RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS AND GEOTHERMAL RESOURCES
REPORT OF PROPERTY AND WELL TRANSFER

Field or county: Linn Operating, LLC
Former owner: Brea-Olinda
Name and location of well(s): See Attachment

To view complete transfer see 059-07038.

Description of the land upon which the well(s) is (are) located:
see attachment

Date of transfer, sale, assignment, conveyance, or exchange:
07/23/2017
1555 Orcutt Hill Road

New Owner: Bridge Energy, LLC
Operator code: B6136
Type of Organization: LLC
Address: 1555 Orcutt Hill Road
Telephone No: 805-357-1021

Reported by: OG30A signed by new and old operator
Confirmed by: OG30A signed by new and old operator

New operator new status (status abbreviation):
PA
Request Designation of Agent:
Scott Schulte
Remarks: See operator file

Deputy Supervisor: Daniel J. Dudak
Signature: [Signature]

OPERATOR STATUS ABBREVIATIONS

<table>
<thead>
<tr>
<th>PA: Producing Active</th>
<th>Form or record</th>
<th>Initials</th>
<th>Date</th>
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<tr>
<td>NPA - No Potential Active</td>
<td>Operator File</td>
<td>VM</td>
<td>10-10-17</td>
<td>Transfer List</td>
<td>VM</td>
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Ab - Abandoned or No More Wells: Calwins

OGD156 (Modified 1/00)
RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS AND GEOTHERMAL RESOURCES
REPORT OF PROPERTY AND WELL TRANSFER

Field or county: Brea-Olinda
Former owner: Linn Operating Inc.
Name and location of well(s): See attachment
For entire transfer please view 037-11034.

Description of the land upon which the well(s) is (are) located: See Attachment

Date of transfer, sale, assignment, conveyance, or exchange: 3/1/2017
New Owner: Linn Operating, LLC
Address: 2000 Tonner Canyon Road Brea, CA 92821
Operator code: L2025
Type of Organization: LLC
Telephone No: (714) 257-1606

Reported by: OG30 Signed by both operators
Confirmed by: OG30 Signed by both operators

New operator new status (status abbreviation): PA
Old operator new status (status abbreviation): NPI

Remarks: Scott Schulte
Entity Name Change

Deputy Supervisor: Daniel J. Dudak
Signature: [Signature]

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OGD156 (Modified 1/40)
**Check List - Records Received and Well Status**

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<tr>
<th>Records Received</th>
<th>Date</th>
<th>Status</th>
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</thead>
<tbody>
<tr>
<td>Well Summary (Form OG100)</td>
<td>4/10/2014</td>
<td>Active</td>
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<tr>
<td>History (Form OG103)</td>
<td>4/10/2014</td>
<td>Abandoned</td>
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<tr>
<td>Core Record (Form OG101)</td>
<td></td>
<td>Reabandoned</td>
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<tr>
<td>Directional Survey</td>
<td></td>
<td></td>
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<tr>
<td>Sidewall Samples</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Date final records received.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Electric Logs:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other:</td>
<td></td>
<td></td>
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**Well Type**

- Oil
- Waterflood
- Gas
- Water Source
- Gas Water Disposal
- Observation
- Cyclic Steam
- Steam Flood
- Exploratory
- Fire Flood
- Dry Hole
- Other

**Effective Date:** 9/6/13

**Remarks:**

**Engineers Check List**

- Summary, History & Core Record (Dupl.)
- Electric Log
- Operator's Name
- Signature
- Well Designation
- Location
- Elevation
- Notices
- "T" Reports
- Casing Record
- Plugs
- Directional Survey
- Production/Injection (FAP Codes: [11000000])
- E Well on Prod., enter EDP
- Surface Inspection Required
- Surface inspection Waived (Island)
- Well site restoration deferred (common cellar)
- Final Letter Required AB: [ ] REAB: [ ]

**Clerical Check List**

- Location change
- Elevation change
- Form OGD121
- Form OGD150b (Release of Bond)
- Duplicate logs to archives
- Notice of Records Due
- EDP [MC. 5-16-14]
- District Date Base
- Final Letter (OG159)
- Update Center [MC. 5-16-14]

**Field Check List**

- Date Surface Inspection Completed:
- Other:

**Records Not Approved**

- Reason:

**Records Approved**

- Signature
- RELEASE BOND
- Date Eligible
- (Use date last needed records received)
- MAP AND MAP BOOK

OGD2 1/16/14 CYPRESS
WELL SUMMARY REPORT

Operator
Linn Operating Inc

Field (and Area, if applicable)
Brea-Olinda

Well
Stearns 312

County
Orange

Location of well (Give surface location from property or section corner, street center line)
see attached plat

Elevation of ground above sea level:
746.46'

Was the well directionally drilled?

Yes

Committed drilling (date)
06/04/2013

Total depth
6450'

Depth measurements taken from top of:
Kelly Bushing

Commenced production/injection (date)
06/14/2013

GEOLOGICAL MARKERS

Top 2nd Miocene
3522' MD

Top 3rd Miocene
4411' MD

Top C Miocene
5620' MD

Formation and age at total depth
Miocene

Base of fresh water
0

Clean Oil (bbl per day)
11.7

API Gravity (clean oil)
29.2

Percent Water (including emulsion)
92

Gas (Mcf per day)
NA

Tubing Pressure
50

Casing Pressure
0

CASING AND CEMENTING RECORD (Present Hole)

Size of Casing (inches API)
20

Top of Casing
surface

Depth of Shoe
40'

Weight of Casing
N/A

Grade and Type of Casing
N

New (ft) or Used (U)
N

Size of Hole Drilled
N/A

Number of Sacks or Cubic Feet of Cement
N/A

Depth of Cementing (if through perforations)
surface

Top(s) of Cement in Annulus
surface

PERFORATED CASING (Size, top, bottom, perforated intervals, size and spacing of perforations, and method.)

see attached diagram

Logs/surveys run?

Yes

In compliance with Sec. 3215, Division 3, of the Public Resources Code, the information given herewith is a complete and correct record of the present condition of the well and all work done thereon, so far as can be determined from all available records.

Name of person filing report
Juan Chacon

Telephone Number
714-257-1625

Signature

Date
04/08/2014

Address
2000 Tonner Canyon Rd.

City/State/Zip Code
Brea, Ca. 92821

Individual to contact for technical questions:
Juan Chacon

Telephone Number
714-257-1625

E-Mail Address:
JChacon@linnenergy.com

OG110 (9-96)

72
RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

HISTORY OF OIL OR GAS WELL

Operator Line Operating Inc.  Field Brea-Olinda  County Orange
Well Stearns 312  Sec. 7  T. 3S  R. 6W  SB&B&M.
A.P.I. No. 059-21704  Name Juan Chacon  Title Engineer Advisor

Date April 9, 2014  (Month, day, year)

Signature

Address 2000 Turner Canyon Road, Brea, Ca. 92821  Telephone Number 714-257-1625

History must be complete in all detail. Use this form to report all operations during drilling and testing of the well or during redrilling or altering the casing, plugging, or abandonment, with the dates thereof. Include such items as hole size, formation test details, amounts of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests, and initial production data.

Date 04/01/2013  Hauled in mud pump and tanks, filter sys, installed b.o.p.e and working floor. Made up new 6-1/8” drill bit on bit sub and 2-7/8” eue8r tbg. R.I.H picking up 2- 7/8” tbg. Tagged at 6333’. ED at 6441’. Pull 4 jts. CW!

04/02/2013  Opened well. Picked up and rigged up power swivel, Helped TMG stinger spot 500 bbl frac tank. Had bob-vac fill frac tank w/3% KCL water.

04/03/2013  Opened well. Continued to pull 7” scraper out, R.I.H w/ Sinclair 7” wire brush to 6444’. Hooked up Sinclair to mud pump.

04/04/2013  Opened well. Continued laying down 48 jts 2-7/8” au tbg and 7” brush. Installed donut. Stripped off working floor and b.o.p.e. Loaded out tools and laid down rig. Had stinger install plates over well.

07/31/2013  Installed BOPE on well st312. Call DOGGR. DOGGR gave me a waive line of 11:30 am. RU tied the rig down. RU working floor and tbg equip. Had TMG stinger move tbg from 315 to 312.


08/02/2013  Tubing had 1200 psi and casing had 4700 psi. Bled down tubing and casing. Unset the frac packer. RO frac stack. POOH standing back 201 jts of 3 1/2” tubing. RU Schlumberger wire line. Schlumberger tool misfired, BP stock @ (6250). Schlumberger pulled off rope socket @ (6220). Schlumberger RIH and set a WRP at (6210). Schlumberger shot perf @ (6180)- (6190). RIH with 197 jts of 3-1/2” tubing and frac packer. Set pkr @ (6107). Used mud pump to test 7” casing and frac packer at 2000 psi. RU frac stack. Halliburton RU to frac. Frac was unsuccessful, bled down tubing and casing.

08/03/2013  Bled down tubing and casing. RO frac stack. PU a joint of 3-1/2”. Frac packer stock. Worked tubing up and down at 60 to 140 thousand for 2-1/2 hrs. Tubing came free. Pulled 197 jts and 7” packer. RU Schlumberger. Schlumberger shot perf @ (6146-6166). Ran 195 jts of 3-1/2” tubing and 7” packer. Set 7” packer @ (6065) cee. RO frac stack. Halliburton RU to frac. Halliburton fracked per program.

08/04/2013  Tubing had 1750 psi and casing had 1700 psi. Bled tbg and casing down. Un-landed frac stack and unset 7” pkr. POOH with 196 jts and 7” packer. RU Schlumberger wire line. Schlumberger set plug at 5982’ and shot perf at 5952’-5962’. RO Schlumberger wire line. RIH with 190 jts 3-1/2” and 7” pkr. Set 7” pkr @ (5860) cee. RU frac stack. Halliburton and turned the well over to Halliburton as directed.

08/05/2013  Tbg had 1500psi and casing had 450psi. Bled tbg and casing down. Un-landed frac stack. Unset 7” pkr. Pulled 190jts and 7” pkr. RU Schlumberger. Schlumberger set plug at (5854) and shot perf at (5804-5814). RU of states frac stack. RU Halliburton to frac down casing. Frac was unsuccessful. Rig Halliburton out.

OG103 (8/67/GSR5M)
Printed on recycled paper.
Opened well, well is on vac. Made up and RIH w/6-1/8" drill bit w/3-3/8" tag at 5839'. Hooked up PGSR and mud-pump w/prod swivel. Started cleaning out sand from 5838 to top of plug at 5854'. Let clean-up for 1 hr. Strip off PGSR. Laid down prod swivel. POH w/6-1/8" drill bit. RIH Schlumberger and ran and shot holes at 5825-5835. Pull guns out. RIH Schlumberger. RIH w/7" frac pkr and set at 5725. Hook up frac stack and test 7" csg to 2000# solid for 15 mins. Turn well over to Halliburton and frac holes at 5828-5835. 5804-5814.

Csg pressure is 50# tag 20#. Took frac stack off. Release 7" frac pkr. RIH POH w/7" frac pkr. RIH Schlumberger. Made up 7" drillable and 10" gun and RIH in tandem set 7" drillable at 5722' and shot holes at 5672-5682'. POH w/guns. RIH Schlumberger RIH w/7" frac pkr and set at 5602. Hook up pressure test 7" csg to 2000# solid for 15 mins. RIH frac stack. RIH Halliburton. Turn well over to Halliburton to frac holes at 5672-5682.

Blind well down. Note: tag had 11000# and casing had 2000#. MU and RIH with 1-1/2" sinker bars. Tagged at 4843', in 3-1/2" tag. Laid down sinker bars. Broke out frac stack. Installed PGSR. Waiting on coiled tubing unit. Ran hard line from frac tank to well for coiled tubing.

Opened well. Hooked up prod swivel and RIU mud-pump to pump down csg and out tag. Lowered working floor. Filled tag. Relaxed and pulled 7" frac pkr out. Pressure tested 7" csg to 2000# solid for 10 mins. RIU Schlumberger and ran and shot 10" gun at 4980-4990. RO Schlumberger. RIH w/7" frac pkr and set at 4853'. Tested csg to 2000# solid for 15 mins. Blad casing down. Hooked up frac stack and Halliburton. Turned well over to engineer and Halliburton. Note: 3-1/2" slip dies broke in half while RIH w/7" frac pkr. Pulled pkr out OK, 3-1/2" slip dies fell down hole in 2 pieces when packer came through BOPE.

Hooked up prod swivel. Opened well. Pumped and filled tubing. Released 7" frac pkr. MU and ran 6-1/8" drill bit. Tagged at 5555'. Hooked up prod swivel and mud-pump. Cleared out sand from 5566 to top of broken slip at 5617'. POOH w/5-1/8" bit. MU and RIH w/3-3/8" junk basket to top of perfs at 4952'. CWI.

Opened well and lowered 5-3/8" junk basket and tagged top of slp at 5617'. Hooked up mud-pump and power swivel. Started circulating and working junk basket over slips from 5617-5621'. Let clean-up 45 mins. Stand back power swivel. POOH w/junk basket and recovered slips. RIH w/6-1/8" drill bit and tagged at 5621'. RIU power swivel, started drilling out sand @ 5621'. Changed of orders: Pulled tubing above 4952', continued pulling and laid down 13 3-1/2" tags. Loaded out power swivel. CWI.

Opened well and continued to POOH, laid down 193 jts 3-1/2" EUBR N-80 tubing and 6-1/8" drill bit. Loaded out working floor. Stripped off BOPE and frac head. Landed donut and CWI. RDMO.

Opened well, installed BOPE and floor. Helped TMG stinger unload 206 jts 2-7/8" N-80 tubing. Unloaded tools. PU 6-1/8" drill bit. RIH w/6-1/8" drill bit and PU 2-7/8" N-80 working string tag at 5821'. Installed PGSR. RIU power swivel. Pulled tubing and bit above perf to 4975'. CWI.

Opened well and lowered 6-1/8" drill bit, tagged at 5621'. Hooked up power swivel and mud-pump and continued cleaning out sand to top of plug and drilled out plug @ 5722'. Fell through to 5739'. Continued drilling out sand to top of plug and drilled out plug @ 5860'. Fell through to 5999'. Contd drilling out sand to top of plug and drilled out plus @ 5689'. Let clean up good. Stood back swivel. Cont PU tubing and tagged at 6099'. Pulled 6-1/8" bit above perf's to 4958'. CWI.

Opened well, RIH w/6-1/8" drill bit. Tagged and started drilling out sand from 6099' to 6202'. Stop 10' above ret packer. Let clean up good. POOH w/6-1/8" drill bit. RIH w/5-1/2" junk basket to 6202'. Hooked up power swivel and started working 5-1/2" junk basket over fish to 6214'. Let clean-up for 45 min. Laid swivel down. POOH w/tubing and junk basket. RIH w/Weatherford ret head and 20 jts. CWI.

Opened well, RIH w/Weatherford ret head and latched on ret packer at 6220'. POOH w/tubing and ret packer. Note: Lost 6 slips from ret packer in hole, had crane haul in four 4-3/4" D/C, Bumper sub by hyd jrs and 5-9/16" O/S, PU and ran 5-9/16" O/S w/3-3/8" basket grapple w/bumper sub and hyd jrs w/four 4-3/4" OC and int. to top of perfs @ 4926'. CWI.

Opened well and continued RIH w/5-9/16" O/S w/3-3/8" basket grapple w/bumper sub and hyd jrs. Four 4-3/4" D/C and into top of fish @ 5375'. Latched on fish @ 6375', jarred @ 110,000# for one hour. Fish came free, POOH slowly due to tubing dragging and sticking while pulling out. Stripped off BOPE and continued pulling tubing and tools and O/S w/ Schlumberger tools and Weatherford running tools. Did not find any slips on top of tools. Laid down O/S w/ Schlumberger tools and run tools. Had Schlumberger crew out on location to disarm gun. Installed BOPE. RIH and laid down four 4-3/4" D/C and tools. MU and RIH to top of perfs @ 4954, 6-1/8" junk mill. CWI.
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HISTORY OF OIL OR GAS WELL

Operator Linn Operating Inc.
Well Stearns 312
Field Brea-Olinda
A.P.I. No. 059-21704
Sec. 7
T. 3S
R. 9W
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SB B&M.

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SB B&M.

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

HISTORY OF OIL OR GAS WELL

Operator Linn Operating Inc.
Well Stearns 312
Field Brea-Olinda
A.P.I. No. 059-21704
Sec. 7
T. 3S
R. 9W
County Orange
SB B&M.

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Sec. 7
T. 3S
R. 9W
County Orange
SB B&M.
### HISTORY OF OIL OR GAS WELL

**Operator:** Linn Operating Inc.  
**Field:** Brea-Elinda  
**Well Steams:** 312  
**A.P.I. No.:** 059-21704  
**Sec.:** 7  
**T. 38:** R. 9W  
**County:** Orange  

**Date:** April 9, 2014  
(Month, day, year)  

---

**Address:** 2000 Tonner Canyon Road, Brea, Ca. 92821  
**Signature:**  
**Telephone Number:** 714-257-1925  

---

History must be complete in all detail. Use this form to report all operations during drilling and testing of the well or during redrilling or altering the casing, plugging, or abandonment, with the dates thereof. Include such items as hole size, formation test details, amounts of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests, and initial production data.

<table>
<thead>
<tr>
<th>Date</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8/29/2013</td>
<td>Opened well and continued RIH w/6-1/8&quot; junk mill tag @ 5001'. RU power swivel, started milling from 5001' to 5003', fell through and worked 6-1/8' junk mill for 45 mins between 5001' to 5003' to dress up spot. Note: Slight bad spot between 5001' to 5003'. Stood back swivel, continued in hole w/6-1/8' junk mill. Tagged @ 6393', hooked up power swivel. Started milling from 6393' to 6397'. Spent 4 hours milling. Let clean up, POOH w/tubing and 6-1/8' junk mill. RIH w/20 Jts kill string. CWI. Loaded out power swivel. Note: DGGR Max Chavez waived BOPE @ 2:26PM 8-29-31.</td>
</tr>
<tr>
<td>9/03/2013</td>
<td>Opened well and pulled 20 Jts kill string. MU and ran 1315' of tubing guns (6 SHF 3-3/8&quot; guns) w/tubing to 4848'. Landed tubing wiguns on donut. RU Schlumberger and ran TCP correlation log. Un-landed donut. Had 32', as Schlumberger directed. Set packer @ 3404', w/1/16&quot; of guns @ 4842'. Landed donut. Filled and tested 7&quot; casing and held 1500# solid. Dropped bar. Did not see reactions from guns firing. CWI. Slick line will be here in a.m. Note: Shooting perfs from 3727' to 4842'. Engineer on location.</td>
</tr>
<tr>
<td>9/04/2013</td>
<td>Well had 50# on tbg. Bled well down. RU western wireline. Made two attempts to fish drop bar w/o success due to tbg gun smell. RO western wireline. Released 7&quot; prk, pulled tbg and prk to guns. Found guns had fired. Pulled and laid down 63 tbg guns. Note: All guns had fired. Shot new perfs from 3727-4842'. MU and ran tbg baller to top of perfs at 3659'. CWI.</td>
</tr>
<tr>
<td>9/05/2013</td>
<td>Opened well and continued RIH w/tubing baller. Tagged junk in hole @ 6397'. Note: left junk from drillable plugs @ 6397'. Stroked baller. POOH laying down 2-7/8&quot; EUR R-20 working string and baller. Did not recover anything back from baller run, PU and RIH w/2-7/8&quot; bull plug, two joints 2-7/8&quot; tubing w/2&quot; slotted nipple and 2-1/2&quot; API TI/L shoe, PU 200 Jts 2-7/8&quot; EUR R-2 J-55 new tubing. Landed tubing on donut, w/tail @ 6304' and shoe @ 6239'. CWI.</td>
</tr>
<tr>
<td>9/06/2013</td>
<td>Opened well and stripped off and loaded out working floor and BOPE. MU new prod tee. Installed rod regan. PU new pump and new 3/4&quot; H/S rods. Note: Top 47 3/4&quot; H/S rods or guided. Installed 2-1/2&quot; LRH OIG tool, one 3/4&quot; rod up and installed 1-1/4&quot; x 26' polish rod, new stuffing box and rod rotator. Seated pump. Filled well, stroked and pressure test well to 200# solid. Loaded out tools. RD.</td>
</tr>
</tbody>
</table>

---

**OG103 (8/97/GSR/S4M)**  
Printed on recycled paper.

---

**SUBMIT IN DUPLICATE**

---

28
ELEVATION: 746.46' \( \Delta Z = 13' \)

20" conductor cemented at 40' MD

9-5/8", 36#, J-55, LT&C cemented at 714' MD

---

**Geologic Markers / Perforations**

*Top 2nd Miocene @ 3522 MD*
6 JHPF: 3527'-4108', 4169'-4196', 4216'-4256'.

*Top 3rd Miocene @ 4411 MD*
6 JHPF: 4500'-4544', 4590'-4842'

6 JHPF: 4980'-4990'. *This zone was fracture stimulated with 20/40 sand.*

*Top C Miocene @ 5620 MD*
6 JHPF: 5672'-5682', 5804'-5814', 5825'-5835', 5952'-5962', 6146'-6156', 6180'-6190', 6294'-6304'. *These zones were fracture stimulated with 20/40 sand.*

---

7", 23#, N80 LTC cemented at 6441' MD

---

22-Aug-13
**STEARNS WELL SURVEY 312 -- NAD83**

**ACCESSION NO.**

<table>
<thead>
<tr>
<th>WELL NO.</th>
<th>STEARNS 312</th>
<th>COUNTY: ORANGE</th>
<th>CITY: BRENTWOOD</th>
</tr>
</thead>
<tbody>
<tr>
<td>SECTION NO.</td>
<td>7</td>
<td>TOWNSHIP: 35</td>
<td>RANGE: 9W</td>
</tr>
<tr>
<td>TRACT NO.</td>
<td>16976</td>
<td>LOT NO.: J</td>
<td>FIELD: STEARNS</td>
</tr>
</tbody>
</table>

1. FROM THE NORTHEAST CORNER OF THE STEARNS LEASE; THENCE SOUTHERLY ALONG THE EASTERLY STEARNS LEASE LINE A DISTANCE OF 1398.22 FEET; THENCE WESTERLY AT RIGHT ANGLES A DISTANCE OF 2911.90 FEET.

2. DISTANCE
   - NORTH
   - SOUTH
   - EAST
   - WEST

3. LAMBERT SURFACE COORDINATES
   - \( Y = 2785,830.41 \)
   - \( X = 6,072,582.79 \)
   - ZONE: 6

4. TOP OF PIPE WELL HEAD
   - HEIGHT OF DERRICK FLOOR

5. ELEVATION:
   - GROUND: 746.46 FT.
   - CONCRETE MAT: 26.1 FT.
   - ABOVE MAT: 720.36 FT.

### ALTERNATE OR SURVEYED LOCATION

<table>
<thead>
<tr>
<th>LOCATION DESIGNATION</th>
<th>LOCATION COORDINATES</th>
<th>MOVE</th>
<th>REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>WELL 312</td>
<td>LAT 33.930050</td>
<td></td>
<td>SURVEYED 1/23/13 FINAL</td>
</tr>
<tr>
<td></td>
<td>LONG 117.862341</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### SKETCH OR REMARKS

- N.E. CORNER STEARNS LEASE
- STEARNS WELL #312
- STEARNS LEASE

7. BENCH MARK IS: Q.C.S. 2C - 105 - B3 EL. 384.12 (NGVD 29) -- DATE: _/__/1990 YEAR LEVELED

C.C. DIV. ENGR.
FILE SURVEYOR: ________________________ AREA FRM:
DATE: __/__/ ______ AREA SUPT: ______________________
DATE: __/__/ ______

(MONTH) (DAY) (YEAR)

(Leone)
PERMIT TO CONDUCT WELL OPERATIONS

Kathleen Maisch, Agent
Linn Operating, Inc. (L2025)
2000 Tonner Canyon Road
Brea, CA 92821

Your Supplementary proposal to Rework well "Stearns" 312, A.P.I. No. 059-21704, Section 7, T. 03S, R. 09W, SB B. & M, Brea-Olinda field, Any area, Miocene pool, Orange County, dated 8/22/2013, received 8/22/2013 has been examined in conjunction with records filed in this office.

THE PROPOSAL IS APPROVED PROVIDED:
1. Blowout prevention equipment, as defined by this Division's publication No. M07, shall be installed and maintained in operating condition and meet the following minimum requirements:
   a. Class II3M, with hydraulic controls, during rework operations.
   b. A 3M lubricator for wireline operations.
2. Blowout prevention practice drills are conducted at least weekly and recorded on the tour sheet. A practice drill may be required at the time of the test/inspection.
3. Hole fluid of a quality and in sufficient quantity to control all subsurface conditions in order to prevent blowouts shall be used.
4. Water shutoff effectiveness is demonstrated by a production test within 60 days of the well being placed on production.
5. No program changes are made without prior Division approval.
6. THIS DIVISION SHALL BE NOTIFIED TO:
   a. Inspect the installed blowout prevention equipment prior to commencing downhole operations.

NOTE:
1. Upon completion of the proposed work, a Well Summary (form OG100) and History of Oil or Gas Well (form OG103) shall be submitted to this office
2. Hydrogen sulfide gas (H2S) is known to be present in this area, adequate safety precautions shall be taken prior to and during well operations.
3. The Division recommends, as a minimum, that carbon monoxide monitoring equipment and a vent line be installed and maintained in operating condition during all extensive perforating operations.
4. The Division routinely monitors monthly well production data and if anomalous water production is indicated, remedial action will be ordered.

A copy of this permit and the proposal must be posted at the well site prior to commencing operations. Records for work done under this permit are due within 60 days after the work has been completed or the operations have been suspended. Issuance of this permit does not affect the Operator’s responsibility to comply with other applicable state, federal, and local laws, regulations, and ordinances.

EPM/epm

OG111 (revised 6/2011)
A notice to the Division of Oil, Gas, and Geothermal Resources, dated June 6, 2013, stating the intention to
Rework well Stearns 312, API No. 059-21704

[Drill, Rework, Abandon]
Sec. 7, T. 03S, R. 09W, SB B&M, Brea-Olinda Field, Orange County

should be amended because of changed conditions.

The complete casing record of the well (present hole), including plugs and perforations, is as follows: (Attach wellbore schematics diagram also.)

see attached wellbore diagram

The total depth is: 6450 feet. The effective depth is: 6410 feet.

Present completion zone(s): C and 3rd Miocene

Anticipated completion zone(s): add 2nd Miocene

Present zone pressure: 2073 psi. Anticipated/existing new zone pressure: 212 psi.

If well is to be redrilled or deepened, show proposed coordinates (from surface location) and true vertical depth at total depth: ______ feet and ______ feet (Direction) Estimated true vertical depth: ______

Will the Field and/or Area change? Yes □ No □ If yes, specify New Field: ____________________________ New Area: ____________________________

The Division must be notified immediately of changes to the proposed operations. Failure to provide a true and accurate representation of the well and proposed operations may cause rescission of the permit.

Name of Operator
Linn Operating, Inc.

Address
2000 Tonner Canyon Rd.

City/State
Brea, CA

Zip Code
92821

Telephone Number: 714-257-1629

Signature
Kathleen Maisch

Date
8/22/2013

E-Mail Address: jchacon@linnenergy.com

This notice must be filed, and approval given, before the operations begin. If operations have not commenced within one year of the Division's receipt of this supplementary notice, this notice will be considered cancelled.
CRITICAL WELL DEFINITION

As defined in the California Code of Regulations, Title 14, Section 1720 (a), "Critical well" means a well within:

(1) 300 feet of the following:
   (A) Any building intended for human occupancy that is not necessary to the operation of the well; or
   (B) Any airport runway.

(2) 100 feet of the following:
   (A) Any dedicated public street, highway or the nearest rail of an operating railway that is in general use;
   (B) Any navigable body of water or watercourse perennially covered by water;
   (C) Any public recreational facility such as a golf course, amusement park, picnic ground, campground or any other area of periodic high-density population; or
   (D) Any officially recognized wildlife preserve.

WELL OPERATIONS REQUIRING BONDING

1. Drilling, redrilling, or deepening any well.
2. Milling out or removing a casing or liner.
3. Running and cementing casing or tubing.
4. Running and cementing liners and inner liners.
5. Perforating casing in a previously unperforated interval for production, injection, testing, observation, or cementing purposes.
6. Drilling out any type of permanent plug.
7. Reentering an abandoned well having no bond.

This form may be printed from the DOGGR website at www.conservation.ca.gov/dog/
Procedure

1. A rig is already on the well cleaning out frac sand and composite bridge plugs as per DOGGR permit No. P113-0496.

2. Move in TCP guns and wire-line unit. MU guns as follows:
   a. 581' x 3.5" guns loaded with 4-6 JHPF
   b. 61' x 3.5" blank guns
   c. 27' x 3.5" guns loaded with 4-6 JHPF
   d. 20' x 3.5" blank guns
   e. 40' x 3.5" guns loaded with 4-6 JHPF
   f. 244' x 3.5" blank guns
   g. 44' x 3.5" guns loaded with 4-6 JHPF
   h. 46' x 3.5" blank guns
   i. 252' x 3.5" guns loaded with 4-6 JHPF
   j. Firing head
   k. 3.5" x 2-7/8" Cross over
   l. 2-7/8" x 7", 23# retrievable packer
   m. 2-7/8" pup joint
   n. 2-7/8" RA sub
   o. 2-7/8" circulating sub
   p. 2-7/8" tubing to surface (run tubing dry)

3. RU wire line truck. RIH with GR / Neutron / CCL and correlate guns to open hole log. Adjust guns to get top shot on depth. POOH and RD WL.

4. Hook up well to flow line to tank. RU bar lubricator. Drop bar to fire guns.

5. Allow well to bleed to tank for 30 minutes. Open circulating sub and reverse out tubing 2 x tubing volumes. Release packer and POOH with guns.

6. RIH with tubing bailer and bail perforation debris to ED.

7. RIH with new 2 7/8", J55, 6.5 ppf EUE 8rd tubing and pump shoe. Set shoe at ~6310'.

8. RIH with rods and pump. NU prod tree.

9. Place well on production.
Completion Objective

Produce the C, 3rd and 2nd Miocene sands commingled. The C and portions of the 3rd Miocene sands have been perforated and fracture stimulated. The remaining 3rd and 2nd Miocene sands will be perforated.

Mechanical Detail

Elevation: 746.46' ground level
KB: 13' above GL

Total Depth: 6450'
Effective Depth: 6293'

Casing:
- 20" conductor cmtd @ 40'.
- 9-5/8", 36 ppf, J-55, LTC, cemented @ 714'.
- 7", 23 ppf, N-80, LTC cemented at 6441'.
- TOG at 2340' per USIT log dated 11-Apr-13.

Existing Perfs:
- 6 JHPF: 4980'-4990' (double shot, 12 spf), 5672'-5682', 5804'-5814', 5825'-5835', 5952'-5962', 6146'-6156', 6180'-6190', 6294'-6304' (double shot, 12 spf). These zones were fracture stimulated with 20/40 sand.

Proposed Perfs:
- 4 - 6 JHPF: 3527'-4108', 4189'-4196', 4216'-4256', 4500'-4544', 4590'-4842'.
LINN OPERATING, INC.
Stearns 312, PROPOSED
API 059-21704
Sec 7, T-3S, R - 9W, S.B. & M.
Brea Olinda Field

ELEVATION: 746.46'
20" conductor cemented at 40' MD

9-5/8", 36#, J-55, LT&C cemented at 714' MD

Geologic / Completion Targets

Top 2nd Miocene @ 3522 MD
proposed perforations
4-6 JHPF: 3527'-4108', 4169'-4196', 4216'-4256'.

Top 3rd Miocene @ 4411 MD
proposed perforations
4-6 JHPF: 4500'-4544', 4590'-4842'
existing perforations
6 JHPF: 4980'-4990' (double shot, 12 spf). This zone was fracture stimulated with 20/40 sand.

Top C Miocene @ 5620 MD
existing perforations
6 JHPF: 5672'-5682', 5804'-5814', 5825'-5835', 5952'-5962', 6146'-6156', 6180'-6190', 6294'-6304' (double shot, 12 spf). These zones were fracture stimulated with 20/40 sand.

7", 23#, N80 LTC cemented at 6441' MD
TD @ 6450' MD, ED @ 6410' (CIBP)

22-Aug-13
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3. RU wire line truck. RIH with GR / Neutron / CCL and correlate guns to open hole log. Adjust guns to get top shot on depth. POOH and RD WL.

4. Hook up well to flow line to tank. RU bar lubricator. Drop bar to fire guns.

5. Allow well to bleed to tank for 30 minutes. Open circulating sub and reverse out tubing 2 x tubing volumes. Release packer and POOH with guns.

6. RIH with tubing bailer and bail perforation debris to ED.

7. RIH with new 2 7/8", J55, 6.5 ppf EUE 8rd tubing and pump shoe. Set shoe at ~6310'.

8. RIH with rods and pump. NU prod tree.

9. Place well on production.
Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.

Print your name and address on the reverse so that we can return the card to you.

Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

   Jim Operating, Inc.
   2000 Tenera Canyon Rd.
   Brea, CA 92821
   Attn: Kathleen Maisch

2. Article Number (Transfer from service label)

   7006 2740 0002 5632 8783

3. Service Type
   - [ ] Certified Mail
   - [x] Registered
   - [x] Insured Mail
   - [ ] Return Receipt for Merchandise
   - [ ] C.O.D.

4. Restricted Delivery? (Extra Fee)
   - [ ] Yes
   - [ ] No

PS Form 3811, February 2004

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
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For delivery information visit our website at www.usps.com.

OFFICIAL USE

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Certified Fee
Return Receipt Fee
Restricted Delivery Fee
Total Postage & Fees

Paid Here

Sent To

Jim Operating, Inc.
Attn: Kathleen Maisch
2000 Tenera Canyon Rd.
Brea, CA 92821

PS Form 3800, August 2006

57
State of CA - DOC - DOGGR
5816 Corporate Ave #200
 Cypress, CA 90630
Attn: Ellen Moser
June 17, 2013

Kathleen Maish, Agent
Linn Operating, Inc.
2000 Tonner Canyon Road
Brea, CA 92821

Dear Ms. Maish:

RE: "STEARNS" 312, API NUMBER 059-21704, BREA-OLINDA FIELD

California Code of Regulations (CCR) section 1714 states that "Written approval of the Supervisor is required prior to commencing drilling, reworking, injection, plugging, or plugging and abandonment operations, with the exception that temporary approval to commence such operations may be granted by the Supervisor or representative of the Supervisor when such operations are necessary to avert a threat to life, health, property, or natural resources, or when approved operations are in progress and newly discovered well conditions are such that immediate corrective or plugging and abandonment operations are desirable. Notwithstanding such temporary approval, the operator shall file immediately a written notice of intention to carry out a temporarily approved program."

CCR section 1722(g) states that "Operations approved by the Division shall not deviate from the approved program without prior Division approval, except in an emergency."

Public Resources Code (PRC) section 3236 states, in part, that "...every person, whether as principal, agent, servant, employee, or otherwise, who violates, fails, neglects, or refuses to comply with any of the provisions of this chapter, or who fails or neglects or refuses to furnish any report or record which may be required pursuant to the provisions of this chapter, or who willfully renders a false or fraudulent report, is guilty of a misdemeanor, punishable by a fine of not less than one hundred ($100), nor more than one thousand dollars ($1,000), or by imprisonment for not exceeding six months, or by both such fine and imprisonment, for each such offense."

The Department of Conservation’s mission is to balance today’s needs with tomorrow’s challenges and foster intelligent, sustainable, and efficient use of California’s energy, land, and mineral resources.
NOTICE OF VIOLATION

Date: June 17, 2013

On February 16, 2012, Linn Operating, Inc. (Linn) submitted a Notice of Intent (NOI) with the Division of Oil, Gas and Geothermal Resources (Division) to drill well "Stearns" 312 (059-21704) which included the proposed casing program as follows: 14" conductor cemented from 40' to surface, 9-5/8" casing cemented from 600' to surface, and 5-1/2" casing cemented from 5955' to surface. The proposed Total Depth (TD) was 5955' MD, (5869.5' TVD). Permit P112-0143 was prepared and issued on February 23, 2012.

On January 28, 2013, Linn commenced drilling on the subject well.

On February 12, 2013, drilling operations on the subject well were completed.

On May 8, 2013, a Supplementary Notice was submitted to the Division indicating that the well conditions were modified as follows without Division notification or approval: 20" conductor cemented from 40' to surface, 9-5/8" casing cemented from 714' to surface, 7" casing cemented from 6450' to surface and TD at 6450'.

Linn is in violation of CCR section 1714, and CCR section 1722, subdivision (g) for failure to obtain approval for the change in TD and casing program and failure to file a Supplementary Notice immediately for change in TD and casing program.

Failure to comply with the laws and regulations of this Division is a serious matter which may result in enforcement action including the issuance of a civil penalty and/or formal order pursuant to PRC sections 3203 and 3236.5, or misdemeanor pursuant to PRC 3236.

If you have any questions, please contact Ellen Plaza Moser at (714) 816-6847 or ellen.moser@conservation.ca.gov.

Sincerely,

M. Ali Khan
Operations and Permitting Supervisor

cc: Well file

CERTIFIED MAIL # 7006 2760 0002 5632 8783
Juan,

The cement bonding is adequate for each well. Our office will need to be notified to inspect the BOPE on each well prior to perforating each well. Just a reminder that well records covering the drilling and completion of these four wells will need to be submitted after step 5 listed below, and a separate rework notice will need to be submitted to our office covering steps 6, 7, and 8 for each well.

Thanks,

John Huff
Associate Oil & Gas Engineer
Department of Conservation
Division of Oil, Gas & Geothermal Resources
5816 Corporate Ave., Suite 200
Cypress, CA 90630-4731
(714) 816-6847

Juan,

The subject wells were drilled back to back from Feb – Mar 2013. USIT logs on the 4 wells were completed on April 17, 2013. Starting on April 29 – 30. The 4 wells will be completed as follows:

1. RU stimulation equipment, wireline unit and crane. Install stimulation head and BOPE.
2. Perforate the lower Miocene and stimulate same via rigless well intervention.
3. MIRU production hoist. RIH with bit on 2 7/8” tubing and clean out BPs and sand.
4. RIH with tubing, pump and rods. Place well on production and test C Miocene.
5. RDMO
6. 3 – 6 months later MIRU production hoist. Pull rods, pump and tubing.
7. RU wireline perforators. Perforate upper Miocene sands.
8. RDMO. RTP well.

The triple combo (OH) and USIT logs will be forwarded in a series of subsequent emails (due to file size). Hard copies of the same will be sent via FEDEX tomorrow, April 24 2013.

The following table is a summary of zones that will be completed / stimulated:

<table>
<thead>
<tr>
<th>Zone</th>
<th>Completion Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>312</td>
<td>RU, stimulation, BOPE, MI perforation</td>
</tr>
<tr>
<td>313</td>
<td>RU, stimulation, BOPE, MI perforation</td>
</tr>
<tr>
<td>314</td>
<td>RU, stimulation, BOPE, MI perforation</td>
</tr>
<tr>
<td>315</td>
<td>RU, stimulation, BOPE, MI perforation</td>
</tr>
<tr>
<td>Lease</td>
<td>Well</td>
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<tr>
<td>-------</td>
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<tr>
<td>Stearns</td>
<td>312</td>
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<td>Stearns</td>
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</tr>
</tbody>
</table>

If you have any questions please call me.

Regards,

Juan Chacon
Engineer Advisor
Linn Operating, Inc.

714-257-1625 OFC
714-318-5183 CELL

This electronic message, together with any attachments, contains information from LINN Energy that may be confidential and intended solely for the use of the addressee only. If you are not the intended recipient, please note that any disclosure, dissemination, distribution or copying of this message, or any attachment, is strictly prohibited. Also, please notify the original sender by return e-mail and delete the message, along with any attachments, from your computer. Finally, the recipient should check this email and any attachments for the presence of viruses. The organization accepts no liability for any damage caused by any virus transmitted by this email.
PERMIT TO CONDUCT WELL OPERATIONS

Kathleen Maisch, Agent
Linn Operating, Inc. (L2025)
2000 Tonner Canyon Road
Brea, CA 92821

Your proposal to Rework well "Stearns" 312, A.P.I. No. 059-21704, Section 7, T. 03S, R. 09W, SB B. & M., Brea-Olinda field, Any area, Miocene pool, Orange County, dated 6/4/2013, received 6/4/2013 has been examined in conjunction with records filed in this office.

THE PROPOSAL IS APPROVED PROVIDED:

1. Blowout prevention equipment, as defined by this Division's publication No. M07, shall be installed and maintained in operating condition and meet the following minimum requirements:
   a. Class II3M, with hydraulic controls, during completion operations.
   b. A 3M lubricator for wire line operations.

2. Blowout prevention practice drills are conducted at least weekly and recorded on the tour sheet. A practice drill may be required at the time of the test/inspection.

3. Hole fluid of a quality and in sufficient quantity to control all subsurface conditions in order to prevent blowouts shall be used.

4. Water shutoff effectiveness is demonstrated by use of either a formation tester above the intended zone of completion, or by running both a cement imaging log from the casing shoe to 500' above the upper most hydrocarbon zone (UHZ) and production test within 60 days of the well being placed on production.

5. No program changes are made without prior Division approval.

6. THIS DIVISION SHALL BE NOTIFIED TO:
   a. Inspect the installed blowout prevention equipment prior to commencing downhole operations.
   b. Review the results of the cement imaging log prior to perforating operations.
   c. Witness a test of the effectiveness of the 7" shutoff above the Miocene zone by either formation tester or production water shutoff test.

NOTE:

1. Upon completion of the proposed work, a Well Summary (form OG100) and History of Oil or Gas Well (form OG103) shall be submitted to this office.

2. Hydrogen sulfide gas (H2S) is known to be present in this area, adequate safety precautions shall be taken prior to and during well operations.

3. The Division recommends, as a minimum, that carbon monoxide monitoring equipment and a vent line be installed and maintained in operating condition during all extensive perforating operations.

4. The Division routinely monitors monthly well production data and if anomalous water production is indicated, remedial action will be ordered.

Blanket Bond
cc: Update
     EDP

Engineer Ellen Plaza Moser
Office (714) 816-6847

EPM/epm

Tim Kustic
State Oil and Gas Supervisor

By
For: Daniel J. Dudak, District Deputy

A copy of this permit and the proposal must be posted at the well site prior to commencing operations. Records for work done under this permit are due within 60 days after the work has been completed or the operations have been suspended. Issuance of this permit does not affect the Operator's responsibility to comply with other applicable state, federal, and local laws, regulations, and ordinances.
NOTICE OF INTENTION TO REWORK / REDRILL WELL

Detailed instructions can be found at: www.conservation.ca.gov/dog/

In compliance with Section 3203, Division 3, Public Resources Code, notice is hereby given that it is our intention to rework [redrill] well Stearns 312, API No. 059-21704, Sec. 7, T. 3S, R. 9W, SB Brea-Olinda Field, Orange County.

The complete casing record of the well (present hole), including plugs and perforations, is as follows: (Attach wellbore schematics diagram also.)

See Attached.

The total depth is: 6450 feet. The effective depth is: 6410 feet.

Present completion zone(s): N/A. Anticipated completion zone(s): Miocene

Present zone pressure: NA psi. Anticipated/existing new zone pressure: 2073 psi.

Is this a critical well as defined in the California Code of Regulations, Title 14, Section 1720(a) (see next page)? Yes[ ] No[ ]

For redrilling or deepening only, is a California Environmental Quality Act (CEQA) document required by a local agency? Yes[ ] No[ ] If yes, see next page.

The proposed work is as follows: (A complete program is preferred and may be attached.)

See Attached.

If well is to be redrilled or deepened, show proposed coordinates (from surface location) and true vertical depth at total depth: ______ feet and ______ feet (Direction) (Direction) Estimated true vertical depth: ______

Will the Field and/or Area change? Yes[ ] No[ ] If yes, specify New Field: ______ New Area: ______

The Division must be notified immediately of changes to the proposed operations. Failure to provide a true and accurate representation of the well and proposed operations may cause rescission of the permit.

Name of Operator
Linn Operating, Inc.

Address
2000 Tonner Canyon Rd.

City/State/Zip Code
Brea, CA 92821

Signature
Date
6-4-13

Individual(s) to contact for technical questions:
Juan Chacon

Telephone Number: 714-257-1629

E-Mail Address: jchacon@linnenergy.com

This notice and an indemnity or cash bond must be filed, and approval given, before the workover begins. (See the reverse side for bonding information.) If operations have not commenced within one year of the Division’s receipt of the notice, this notice will be considered cancelled.

OO167 (1/09)
INFORMATION FOR COMPLIANCE WITH THE CALIFORNIA ENVIRONMENTAL QUALITY ACT OF 1970 (CEQA)

If an environmental document has been prepared by the lead agency, submit a copy of the Notice of Determination or Notice of Exemption with this notice. Please note that a CEQA determination by a local jurisdiction, if required, must be complete, or the Division may not issue a permit.

CRITICAL WELL DEFINITION

As defined in the California Code of Regulations, Title 14, Section 1720 (a), "Critical well" means a well within:

1. 300 feet of the following:
   (A) Any building intended for human occupancy that is not necessary to the operation of the well; or
   (B) Any airport runway.

2. 100 feet of the following:
   (A) Any dedicated public street, highway or the nearest rail of an operating railway that is in general use;
   (B) Any navigable body of water or watercourse perennially covered by water;
   (C) Any public recreational facility such as a golf course, amusement park, picnic ground, campground or any other area of perennial high-density population; or
   (D) Any officially recognized wildlife preserve.

WELL OPERATIONS REQUIRING BONDING

1. Drilling, redrilling, or deepening any well.
2. Milling out or removing a casing or liner.
3. Running and cementing casing or tubing.
4. Running and cementing liners and inner liners.
5. Perforating casing in a previously unperforated interval for production, injection, testing, observation, or cementing purposes.
6. Drilling out any type of permanent plug.
7. Reentering an abandoned well having no bond.

This form may be printed from the DOGGR website at www.conservation.ca.gov/dog/
ELEVATION: 746.46'

20" conductor cemented at 40' MD

9-5/8", 36#, J-55, LT&C cemented at 714' MD

Geologic / Completion Targets

Top 2nd Miocene @ 3522 MD

Top 3rd Miocene @ 4411 MD
proposed perforations: 4980'-4990

Top C Miocene @ 5620 MD
proposed perforations: 5672'-5682',
5804'-5814', 5952'-5962', 6185'-6195',
6295'-6305'

7", 23#, N80 LTC cemented at 6441' MD

TD @ 6450' MD, ED @ 6410' (CIBP)
**Completion Objective:**
Produce the C and 3rd Miocene sands commingled. The sands will be selectively perforated and stimulated.

**Mechanical Detail:**
- **Elevation:** 746.46' ground level
- **KB:** 13' above GL
- **Total Depth:** 6450'
- **Effective Depth:** 6293'
- **Casing:** 20” conductor cmtd @ 40’.
  - 9-5/8”, 36 ppf, J-55, LTC, cemented @ 714’.
  - 7”, 23 ppf, N-80, LTC cemented at 6441’.
- **Proposed Perfs:** 4980’-4990’, 5672’-5682’, 5804’-5814’, 5952’-5962’, 6185’-6195’, 6295’-6305’

**Procedure: (please note steps 1 – 5 are complete).**
1. Prepare location for completion work.
2. MIRU workover rig. Install and test BOPE.
3. MU bit, RIH and clean out to float shoe. Change hole over to clean 3% KCl.
4. RU wire line truck. Install and test lubricator.
5. RIH with Schlumberger USIT cement evaluation tool. LINN engineer to witness. Log from ED to surface. Notify DOGGR of log results and send copy to DOGGR. On WL RIH and set CIBP at 6410’.
6. RIH with CCL and guns loaded with 5 SPF, 72 deg phasing, deep penetrating premium charges. Perforate first frac stage 6295’ - 6305’. RDMO wire line truck.
7. MIRU production hoist. NU BOPE. RIH with 3.5” tubing and 7” packer. Set packer at 6245’. Install frac head.
8. MIRU frac company equipment. Install and pressure test frac lines.
10. Release packer and POOH.
11. On wire-line, RIH with CCL and 7", 23#, composite BP. Set composite BP above previous frac interval and below next frac interval. Linn Operating, Inc. Engineer to witness.

12. RIH with 4" guns loaded with 5 JHPF, 72 degree phasing, deep penetrating, premium charges. Perforate casing at 2nd frac interval at 6185' – 6195'.

13. The entire job will consist of 6 frac stages that will repeat steps 6 – 12 above.

14. RDMO frac equipment.

15. RIH with 6-1/8" tri-cone bit on 3.5" tubing.

16. Clean out well to ED by drilling up composite BP's and frac sand. POOH and lay down work string.

17. RIH with new 2 7/8", J55, 6.5 ppf EUE 8rd tubing and pump shoe. Set shoe at ~6310'.

18. RIH with rods and pump. NU prod tree.

19. Place well on production.
**Company:** Linn Operating Inc.  
**API#:** 059-21704  
**County:** Orange  
**Well:** Stearns 312  
**Sec. 7, T. 35, R. 9W. S. B. B. & M.**  
**Field:** Brea-Olinda

### RECORDS RECEIVED

<table>
<thead>
<tr>
<th>RECORDS RECEIVED</th>
<th>DATE</th>
<th>STATUS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Well Summary (Form OG100)</td>
<td>03/01/2013</td>
<td>Producing</td>
</tr>
<tr>
<td>History (Form OG103)</td>
<td>05/22/2013</td>
<td>Abandoned</td>
</tr>
<tr>
<td>Core Record (Form OG101)</td>
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<td>Reabandoned</td>
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<tr>
<td>Directional Survey</td>
<td>5/9/2013</td>
<td>Other</td>
</tr>
<tr>
<td>Sidewall Samples</td>
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<td></td>
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<tr>
<td>Date final records received.</td>
<td></td>
<td></td>
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<tr>
<td>Electric Logs:</td>
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<tr>
<td>Other:</td>
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<tr>
<td><em>Volume log</em></td>
<td>05/31/2013</td>
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<td><em>Array Induction</em></td>
<td>05/31/2013</td>
<td></td>
</tr>
<tr>
<td><em>Gamma Ray/CCL</em></td>
<td>05/31/2013</td>
<td></td>
</tr>
</tbody>
</table>

### WELL TYPE

- Oil:
- Waterflood:
- Gas:
- Water Source:
- Cyclic Steam:
- Steam Flood:
- Fire Flood:
- Dry Hole:
- Other:

**EFFECTIVE DATE:** 2/12/13

**REMARKS:**

- **ENGINEERS CHECK LIST**
  - Summary, History & Core Record (Dupl.)
  - Electric Log
  - Operator's Name
  - Signature
  - Well Designation
  - Location
  - Elevation
  - Notices
  - "T" Reports
  - Casing Record
  - Plugs
  - Directional Survey
  - Production/Injection (FAP Codes: 070100100)
  - E Well on Prod., enter EDP

- **CLERICAL CHECK LIST**
  - Location change
  - Elevation change
  - Form OGD121
  - Duplicate logs to archives
  - Notice of Records Due
  - EDP 6/25/13 VM
  - District Date Base 6/28/13 VM
  - Final Letter (OG159)
  - Update Center

- **FIELD CHECK LIST**
  - Date Surface Inspection Completed:
  - Surface Inspection Required
  - Surface inspection Waived (Island)
  - Well site restoration deferred (common cellar)
  - Final Letter Required AB: [REAB: ]

### RECORDS NOT APPROVED

- **RECORDS APPROVED**
- (Signature)
- RELEASE BOND
- Date Eligible
- (Use date last needed records received.)
- MAP AND MAP BOOK

**ODG2 5/16/01 CYPRESS**
May 21, 2013

DOGGR
5816 Corporate Ave. #200
Cypress, CA 90630

Re: “Stearns” 312 API No. – 059-21704

Gentlemen:

As required, the casing pressure test chart for the referenced well is enclosed.

Yours truly,

Kathleen Maisch
Agent
714-257-1629

Enclosure
**WELL SUMMARY REPORT**

**Operator**
Linn Operating, Inc.

**Well**
Stearns 312

**Field (and Area, if applicable)**
Brea-OInda

**County**
Orange

**Sec. T. R. B.&M.**
7 3S 9W SB

**Location of well**
(Give surface location from property or section corner, street center line)
Fm NE corner of Stearns Is; then S’ly along E’ly Stearns Is line 1414.67’ then W’ly at rt angles 2889.26’

**Elevation of ground above sea level**
746.46

**Lat./Long. in decimal degrees, to six decimal places, NAD 83 format**
Lat: 33.93001
Long: -117.861304

**Was the well directionally drilled?**
Yes

**Commenced drilling (date)**
1/28/2013

**Completed drilling (date)**
2/12/2013

**Production mode**
Junk? Describe:
N/A

**Name of production/injection zone(s)**
Not on production

**Depth measurements taken from top of:**
- Derrick Floor 0
- Rotary Table 0
- Kelly Bushing 0

**Which is 13 feet above ground.**

**Commenced production/injection (date)**
2/12/2013

**Present effective depth**
6433’

**GEOLOGICAL MARKERS DEPTH**
- Top Miocene 2804’
- Top 2nd Miocene 4411’
- Top 3rd Miocene 5620’

**Formation and age at total depth**
- Base of fresh water C Miocene

**Clean Oil (bbl per day)**
Not on production

**API Gravity (clean oil)**
Not on production

**Percent Water (including emulsion)**
Not on production

**Gas (Mcf per day)**
Not on production

**Tubing Pressure**
Not on production

**Casing Pressure**
Not on production

**CASING AND CEMENTING RECORD (Present Hole)**

<table>
<thead>
<tr>
<th>Size of Casing (Inches API)</th>
<th>Top of Casing</th>
<th>Depth of Shoe</th>
<th>Weight of Casing</th>
<th>Grade and Type of Casing</th>
<th>New (N) or Used (U)</th>
<th>Size of Hole Drilled</th>
<th>Number of Sacks or Cubic Feet of Cement</th>
<th>Depth of Cementing (ft through perforations)</th>
<th>Top(s) of Cement in Annulus</th>
</tr>
</thead>
<tbody>
<tr>
<td>18”</td>
<td>Surface 40’</td>
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<td>N</td>
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<tr>
<td>9-5/8”</td>
<td>Surface 714’</td>
<td></td>
<td>36# J-65, LTC</td>
<td>N</td>
<td>12-1/4</td>
<td>114 sx</td>
<td></td>
<td>Surface</td>
<td></td>
</tr>
<tr>
<td>7”</td>
<td>Surface 6441’</td>
<td></td>
<td>23# N-80, LTC</td>
<td>N</td>
<td>8-3/4”</td>
<td>661 sx</td>
<td></td>
<td>1950’</td>
<td></td>
</tr>
</tbody>
</table>

**PERFORATED CASING (Size, top, bottom, perforated intervals, size and spacing of perforations, and method.)**
N/A

**Logs/surveys run?**
Yes

**In compliance with Sec. 3215, Division 3, of the Public Resources Code, the Information given herewith is a complete and correct record of the present condition of the well and all work done thereon, so far as can be determined from all available records.**

**Name of person filing report**
Kathleen Maisch

**Telephone Number**
714-257-1629

**Signature**
Kathleen Maisch

**Date**
5/29/2013

**Address**
2000 Tonner Canyon Rd.

**City/State**
Brea, CA

**Zip Code**
92621

**Individual to contact for technical questions**
Juan Chacon

**Telephone Number**
714-257-1625

**E-Mail Address**
jchacon@linnenergy.com

**SUBMIT IN DUPLICATE**

**DOGGR Received -**
JUN 03, 2013
ELEVATION: 746.46'

20" conductor cemented at 40' MD

9-5/8", 36#, J-55, LT&C cemented at 714' MD

Geologic / Completion Targets

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7", 23#, N80 LTC cemented at 6441' MD

TD @ 6450' MD
HISTORY OF OIL OR GAS WELL

Operator: Linn Operating, Inc.  Field: Brea-Olinda  County: Orange
Well: "Stearns" 312  Sec. 7  T. 3S  R. 9W  SBB&M.
A.P.I. No. 059-21704  Name: Kathleen Malsch  Title: Agent

Date 5/22/2013  (Month, day, year)
Address: 2000 Tonner Canyon Rd., Brea, CA 92821  Telephone Number: 714-257-1629

History must be complete in all detail. Use this form to report all operations during drilling and testing of the well or during redrilling or altering the casing, plugging, or abandonment, with the dates thereof. Include such items as hole size, formation test details, amounts of cement used, top and bottom of plugs, perforation details, sidetracked junk, bail tests, and initial production data.

1/26/2013
MIRU.

1/27/2013
Continue MI, RU, raised mast. Filled pits w/mud, loaded casing on racks. Cut off and dress 20" conductor, and welded on riser.

1/28/2013
Spud @ 10:30 a.m. on 1/28/2013. Directionally Drilled 12-1/4" hole to 720'. Circulated, wiped the hole to the drill collars. POOH to run 9-5/8" surface casing.

1/29/2013
Rigged up and ran 17 jts, of 9 5/8", 36#, J-55, 8rd. casing, to 717', floated at 675', circ., and cemented. CIP @ 2:00 pm, WOC. Made rough cut on conductor and 9 5/8" casing, removed same. Dressed 9 5/8" to receive 11" (3M) x 9 5/8" SOW, tested weld to 1000 psi. Installed 11"(3M) Class III BOPE.

1/30/2013
Tested BOP P/U directional BHA. RIH to 500', tested BOP. Witnessed by DOGGR Bill Flores, Tests all good. Drilled out float collar and shoe, c/o to 720'. DD 8 3/4" hole from 720' to 1571'.

1/31/2013
DD 8 3/4" hole from 1571' to 1758', back reamed new hole to 1128', wiped to shoe. RIH, DD to 2412', Back reamed new hole to 1758', PU to shoe. Serviced rig, c/o sand traps, RIH to 2412', DD to 2478'.

2/1/2013
DD 8 3/4" hole to 2793', Circulated & back reamed new hole. POH, laid down E-Field tools and changed out 8 3/4' bit. MU new Smith 8 3/4" PDC, RIH to 784'. Surface tested LWD, good test.
2/2/2013
DD 8 3/4" hole from 2793' to 3190', lost circ, worked pipe, built volume. DD 8 3/4" hole to 3200', regained 95% circ. DD to 3250', circ, back reamed hole to 2600' RIH to 3250' DD to 3400'.

2/3/2013
DD 8 3/4" hole w/ LWD from 3400' to 3440', attempted to get survey, unsuccessful due to tool failure. POOH, laid down LWD tools. MU E-Field tools, RIH. DD 8 3/4" hole to 3200', regained 95% eire. DD to 3250', eire, back reamed hole to 2600' RIH to 3250' DD to 3400'.

2/4/2013
DD 8 3/4" hole from 3789' to 4223'. Back reamed new hole to 3440', RIH. DD 8 3/4" hole to 4318', lost 200 psi pump pressure. POOH, laid down washed out Mud Motor.

2/5/2013
RIH to 4319'. DD 8 3/4" hole from 4319' to 5063'. Back reamed new hole to 4319', RIH to 5063'. DD 8 3/4" hole to 5162'.

2/6/2013
DD 8 3/4" hole from 5162' to 5505', circulated, wipe the new hole. Back reamed from 5505' to 5060'. POOH to 5300'. RIH, DD 8 3/4" hole from 5505' to 5950'.

2/7/2013
Continued DD to 6006', circulated. Back reamed new hole from 6006' to 5505', continued out of the hole to 5005'. RIH to 6006', continued DD 8 3/4" hole to new TD of 6400'. Circulating, waiting for orders. DD 8 3/4" hole from 6400' to 6450'.

2/8/2013
Completed the directional drilling of the 8 3/4" production hole section. Circulated bottoms up and confirmed TD with Geology team. POOH from 6450' to 3217', shut down for electrical storm. Continued out of the hole to the BHA. Laid down all directional tools. Make up 8 3/4" BNHO, stabs. RIH with clean out assembly to 6450'. Circulated, POOH for logs. Strapped out.

2/9/2013
Finished POOH for loggers, HSM, and RU Weatherford wireline logs. Ran triple combo tool. RD loggers, and made up 8 3/4" BNHO clean out assembly. RIH and spot reamed to 6450'. Circulated and conditioned the mud for 7" production casing. POOH, laid down 4 1/2" drill pipe.

2/10/2013
Completed laying down DP, HWDP, and DC's, with the assistance of a Hydrocrane. RU B&L tongs, and ran 152 jts. of 7" casing with Hydrocrane, filling the pipe every 6 joints. Staged in at 3600', 4800', and 6441'. Circulated and conditioned mud prior to cementing. RU BJ cementers, cemented 7" production casing.

2/11/2013
WOC, set slips, made rough cut, final cut, installed tubing spool, cleaned pits, RR.
4/1/2013
Hauled in mud pump, tanks, and filter sys. Installed BOPE and working floor. Made up new 6-1/8" drill bit on bit subs and 2 - 7/8" EU8rd tg. RIH, PU 2 - 7/8" tbg. Tagged at 6333', Effective Depth 6441', Pulled 4 jts. CWI.

4/2/2013
Opened well, PU and PU power swivel. Helped TMG stinger spot 500 bbl frac tank. Vac truck filled tank w/3% KCI water. Continued drilling out cement from 6333' to shoe at 6444'. Let clean up for 1 hr. Broke out and loaded out power swivel. POOH with 6-1/8" drill bit. MU and RIH with 7" scraper and b/s to shoe depth at 6444' with no restrictions. Pulled 7" scraper up to 5840'. CWI.

4/3/2013
Opened well. Continued pulling 7" scraper out. RIH w/Sinclair 7" wire brush to 6444'. Hooked up Sinclair to mud pump and pumped well bore cleaning chemicals. Followed with 375 bbl, 3% KCI water, as directed by Sinclair technical engineer. Broke out Sinclair equipment, started pulling 7" brush. Laid down 2-7/8" tubing. CWI.
Note: Laid down 162 jts 2-7/8" tubing.

4/4/2013
Opened well. Continued laying down 46 jts 2-7/8" EU tbg and 7" brush, installed donut, stripped off working floor and BOPE. Loaded out tools and laid down rig. Had stinger install plates over well.
LINN ENERGY
BREA-OLINDA
STEARNS
STEARNS #312
STEARNS #312

Survey: Survey #1

FINAL SURVEY REPORT

12 February, 2013
# GeoGuidance Drilling Services
## FINAL SURVEY REPORT

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## Well STEARNS #312 SUR. N 645384.956 E 1511175.837

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|-----------------|----------------|
| +N/-S (usft)    | +E/-W (usft) |
| 0.00            | 0.00         |

| Survey Program: Date: 2/12/2013 |
|-----------------------|---------------------|
| From: 53.00 (usft) To 6,450.00 (usft) Survey (Wellbore) STEARNS #312 Tool Name MWD Description MWD - Standard |

2/12/2013 4:20:52PM Page 2
GeoGuidance Drilling Services
FINAL SURVEY REPORT

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### GeoGuidance Drilling Services

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**Survey Details:**

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- **Project:** BREA-QLINDA
- **Site:** STEARNS
- **Well:** STEARNS #312
- **Wellbore:** STEARNS #312
- **Design:** STEARNS #312

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**Local Co-ordinate Reference:**

- TVD Reference: STEARNS 312F @ 757.01usft (KEY 88)
- MD Reference: True
- North Reference: Minimum Curvature

**Survey Calculation Method:** Database: LNN ENERGY
### GeoGuidance Drilling Services

**FINAL SURVEY REPORT**

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# GeoGuidance Drilling Services

## FINAL SURVEY REPORT

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# GeoGuidance Drilling Services
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- LINN ENERGY

### Project:
- BREA-OLINDA

### Site:
- STEARNS

### Well:
- STEARNS #312

### Wellbore:
- STEARNS #312

### Design:
- STEARNS #312

### Local Coordinate Reference:
- TVD Reference:
- MD Reference:
- North Reference:
- Survey Calculation Method:
- Database:

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- STEARNS 312F @ 757.01usft (KEY 88)
- STEARNS 312F @ 757.01usft (KEY 88)
- True
- Minimum Curvature
- LINN ENERGY

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<td>776.75</td>
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</table>

Checked By: __________________________  Approved By: __________________________  Date: __________________________
LINN ENERGY
Project: BREA-OLINDA
Site: STEARNS
Well: STEARNS #312
Wellpath: STEARNS #312
Design: STEARNS #312

Azimuths to True North:
Magnetic North: 12.36°
Magnetic Field:
Strength: 47348.66nT
Dip Angle: 58.84°
Date: 1/24/2013
Model: IGRF2010

FINAL PLOT
Kathleen Maisch, Agent
Linn Operating, Inc. (L2025)
2000 Tonner Canyon Road
Brea, CA 92821

Your Supplementary proposal to DRILL well "Stearns" 312, A.P.I. No. 059-21704, Section 7, T. 03S, R. 09W, SBB & M., Brea-Oinda field, any area, Miocene pool, Orange County, dated 5/8/2013, received 5/8/2013 has been examined in conjunction with records filed in this office.

THIS WORK WAS DONE WITHOUT PRIOR NOTIFICATION OR APPROVAL IN VIOLATION OF SECTION 1722(g) OF THE CALIFORNIA CODE OF REGULATIONS AND IS ELIGIBLE FOR ADMINISTRATIVE CIVIL PENALTIES AS OUTLINED IN SECTION 3236.5 OF THE PUBLIC RESOURCES CODE. THE PROPOSAL COVERING WORK ALREADY COMPLETED IS APPROVED PROVIDED:

1. A Well Summary (form OG100), a History of Oil or Gas Well (form OG103) covering drilling operations and final Directional Survey shall be submitted to this office.
2. A Notice of Intention to Rework Well (form OG107) is required prior to performing completion operations.
SUPPLEMENTARY NOTICE

A notice to the Division of Oil, Gas, and Geothermal Resources, dated 2/23/2012, stating the intention to drill well Stearns 312 (Drill, Rework, Abandon), API No. 059-21704, Sec. 7, T. 3S, R. 9W, SB, Brea-Olinda Field, Orange County should be amended because of changed conditions.

The complete casing record of the well (present hole), including plugs and perforations, is as follows: (Attach wellbore schematics diagram also.) See attached for changes to casing program.

The total depth is: 6450 feet. The effective depth is: 6450 feet.

Present completion zone(s): Miocene

Anticipated completion zone(s): Miocene

Present zone pressure: 2578 psi. Anticipated/existing new zone pressure: 2578 psi.

We now propose: (A complete program is preferred and may be attached.) See attached modified diagram.

If well is to be redrilled or deepened, show proposed coordinates (from surface location) and true vertical depth at total depth: _______ and _______ feet

Estimated true vertical depth: _______

Will the Field and/or Area change? Yes ☐ No ☐ If yes, specify New Field: ___________________ New Area: ___________________

The Division must be notified immediately of changes to the proposed operations. Failure to provide a true and accurate representation of the well and proposed operations may cause rescission of the permit.

Name of Operator: Linn Operating, Inc.

Address: 2000 Tonner Canyon Rd.

City/State: Brea, CA Zip Code: 92821

Telephone Number: 714-257-1629 Signature: __________________________ Date: 5-8-2013

Name of Person Filing Notice: Kathleen Maisch

Individual to contact for technical questions: Juan Chacon Telephone Number: 714-257-1625

E-Mail Address: jchacon@linnenergy.com

This notice must be filed, and approval given, before the operations begin. If operations have not commenced within one year of the Division's receipt of this supplementary notice, this notice will be considered cancelled.
CRITICAL WELL DEFINITION

As defined in the California Code of Regulations, Title 14, Section 1720 (a), "Critical well" means a well within:

(1) 300 feet of the following:
   (A) Any building intended for human occupancy that is not necessary to the operation of the well; or
   (B) Any airport runway.

(2) 100 feet of the following:
   (A) Any dedicated public street, highway or the nearest rail of an operating railway that is in general use;
   (B) Any navigable body of water or watercourse perennially covered by water;
   (C) Any public recreational facility such as a golf course, amusement park, picnic ground, campground or any other area of periodic high-density population; or
   (D) Any officially recognized wildlife preserve.

WELL OPERATIONS REQUIRING BONDING

1. Drilling, redrilling, or deepening any well.
2. Milling out or removing a casing or liner.
3. Running and cementing casing or tubing.
4. Running and cementing liners and inner liners.
5. Perforating casing in a previously unperforated interval for production, injection, testing, observation, or cementing purposes.
6. Drilling out any type of permanent plug.
7. Reentering an abandoned well having no bond.

This form may be printed from the DOGGR website at www.conservation.ca.gov/dogr/
<table>
<thead>
<tr>
<th>Size of Casing</th>
<th>Weight</th>
<th>Grade and Type</th>
<th>Top</th>
<th>Bottom</th>
<th>Cementing Depths</th>
<th>Formation Pressure (Estimated Maximum)</th>
<th>Calculated Fill Behind Casing</th>
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<td>Conductor</td>
<td>0</td>
<td>40'</td>
<td>Surface</td>
<td>15 psi</td>
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<td>0</td>
<td>714'</td>
<td>Surface</td>
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<td>714'</td>
</tr>
<tr>
<td>7&quot;</td>
<td>23#</td>
<td>N80, LTC</td>
<td>0</td>
<td>6450'</td>
<td>Surface</td>
<td>2578 psi</td>
<td>4310'</td>
</tr>
</tbody>
</table>
14" conductor cemented at 40' MD

9-5/8" 36#, J55, LTC cemented at 714' MD

Geologic/Completion Targets
Top 2nd Miocene @ 3604 MD

Top 3rd Miocene @ 4446 MD

Top C Miocene @ 5286 MD

7", 23 # N80 LTC cemented at 6450' MD
NOTICE OF RECORDS DUE

Thomas Cruise
Linn Operating, Inc. (L2025)
5201 Truxton Avenue
Bakersfield, CA 93309

In accordance with Division 3 of the California Public Resources Code, the following records are due (covering the perforating notice dated 8/22/2013) for your well "Stearns" 312 (059-21704).

Brea-Olinda Field, Orange County, Sec. 7, T. 03S, R. 09W, SB B&M.

Records, in duplicate are due within 60 days after completion of any well work or tests. Failure to provide such records may result in enforcement action, including issuance of violations, civil penalties and orders of the supervisor, pursuant to PRC 3236.5.

- Well Summary (Form OG 100)
- History (Form OG 103, OGG 103)
- Core of sidewall sample (Form OG 101, OGG 101)
- Directional survey
- Other
- All Logs
- Dipmeter (computed)
- Velocity Survey
- Temperature Survey
- Oil and/or gas analysis
- Spinner survey
- Water analysis
- Standard Annular Pressure Test
- Pressure measurements (flowing or static)
- RA Tracer survey (fluid migration test)

Worked done under permit P113-0767 dated August 27, 2013. All records are due within 10 days from the date of this notice.

REPORTS FOR THE MONTH OF

Production, oil and gas disposition, and injection reports are due on or before the 30th day of each month for the preceding calendar month. Division forms must be signed in the spaces provided.

OIL AND GAS OPERATION

- Production and disposition reports (Form OG 110 or computer report)
- Injection reports (Form OG 110B or computer report)

GEOTHERMAL OPERATION

- Production reports (Form OGG 110)
- Injection reports (Form OGG 110B)

Name: Ellen Plaza Moser
Title: Associate Oil & Gas Engineer
Signature: [Signature]

OG170 (03/01/2012)
NOTICE OF RECORDS DUE

Thomas Cruise
Linn Operating, Inc. (L2025)
5201 Truxton Avenue
Bakersfield, CA 93309

In accordance with Division 3 of the California Public Resources Code, the following records are due (covering the perforating notice dated 6/4/2013) for your well "Stearns" 312 (059-21704).

Brea-Olinda Field, Orange County, Sec. 7, T. 03S, R. 09W, SB B.&M.

Records, in duplicate are due within 60 days after completion of any well work or tests. Failure to provide such records may result in enforcement action, including issuance of violations, civil penalties and orders of the supervisor, pursuant to PRC 3236.5.

- Well Summary (Form OG 100)
- History (Form OG 103, OGG 103)
- Core of sidewall sample (Form OG 101, OGG 101)
- Directional survey
- Water analysis
- Pressure measurements (flowing or static)
- Other
- All Logs
- Dipmeter (computed)
- Oil and/or gas analysis
- Water analysis
- Pressure measurements (flowing or static)
- Velocity Survey
- Temperature Survey
- Spinner survey
- Standard Annular Pressure Test
- RA Tracer survey (fluid migration test)

Worked done under permit P113-0496 dated June 6, 2013. All records are due within 10 days from the date of this notice.

REPORTS FOR THE MONTH OF

Production, oil and gas disposition, and injection reports are due on or before the 30th day of each month for the preceding calendar month. Division forms must be signed in the spaces provided.

OIL AND GAS OPERATION

- Production and disposition reports (Form OG 110 or computer report)
- Injection reports (Form OG 110B or computer report)

GEOTHERMAL OPERATION

- Production reports (Form OGG 110)
- Injection reports (Form OGG 110B)

Name: Ellen Plaza Moser
Title: Associate Oil & Gas Engineer
Signature: [Signature]

OG170 (03/01/2012)
Your operations at well "Stearns" 312, A.P.I. No. 059-21704, Sec. 7, T. 03S, R. 09W, SB B.&M., Brea-Olinda field, in Orange County, were witnessed on 1/30/2013, by William Flores, a representative of the supervisor.

The operations were performed for the purpose of testing the blowout prevention equipment and installation.

DECISION:  APPROVED

DEFICIENCIES NOTED AND CORRECTED: None

CC:  Update  

EM/dj  

Tim Kustic  
State Oil and Gas Supervisor  

By:  
For:  Daniel J. Dudek, District Deputy
**BLOWOUT PREVENTION EQUIPMENT MEMO**

Operator: Linn Operating, Inc.  
Well: "Steams" 312  
Field: Brea-Olinda  
County: Orange

**VISITS:**  
1st  1/30/2013  Bill Flores  (1220 to 1500)  
2nd  
Contractor: Key Energy  
Rig #88  
Contractor's Rep. & Title: Donnie Jordan  
Rig Mgr.

Casing record of well: 20" cem 48'; 9-5/8" cem 714'. TD 724' (drilling).

**OPERATION:** Testing (inspecting) the blowout prevention equipment and installation. Critical well? Y N  
**DECISION:** The blowout prevention equipment and its installation on the 9-5/8" casing are approved.

**REQUIRED BOPE CLASS:** IIIB2M

---

### Casing Record of BOPE Anchor String

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<th>CP at</th>
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<td>9-5/8</td>
<td>36#</td>
<td>J-55</td>
<td>714'</td>
<td>-</td>
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</table>

- Lead: 209 CF; Yield 1.76 CF/Sk
- Tail: 135 CF; Yield 1.75

- 33 bbls returns to surface

### Bop Stack

**TEST DATA**

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<th>Manufacturer or Type</th>
<th>Model or Type</th>
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<th>Output Close</th>
<th>Time GPM Drop to</th>
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<td>GK</td>
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<td>3M</td>
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<td>1M</td>
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<td>Rd 4.5</td>
<td>Hydril 1 ·1</td>
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<td>3M</td>
<td>Chart viewed</td>
<td>1/30</td>
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### Control Stations

- Remote at Driller's station

### Emerg. Backup System

- N2 Cylinders: 1 L= 51" 2750 gal. x Adjstble Choke(s) 2 3 5M x
- Other: 2 L= 51" 2700 gal. x Bleed Line 3 3 5M x

### Hole Fluid Monitoring Equipment

- x Calibrated Mud Pit x x
- x Pit Level Indicator x x
- x Pump Stroke Counter x x
- x Pit Level Recorder x x
- x Flow Sensor x x
- x Mud Totalizer x x
- x Calibrated Trip Tank x x

**Remarks and Deficiencies:** None

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OGD9 (9/06)
CONTRACTOR:  
Liam O'Sullivan

UNCORRECTABLE DEFICIENCIES:  
None

DEFICIENCIES NOTED AND TO BE CORRECTED:  
Blind ram levers to be locked out/marked

DEFICIENCIES NOTED AND CORRECTED:  
None
NOTICE OF RECORDS DUE

Kathleen Maisch, Agent
LNN WESTERN OPERATING, INC
2000 Tonner Canyon Rd.
Brea, CA 92821

In accordance with Division 3 of the Public Resources Code of California, the following records are due, covering the drill notice dated 2/16/2012 and received 2/16/2012 of your well "Stearns" 312, API.NO. 059-21704, Brea-Olinda Field, Orange County, Sec. 7, T. 3S, R. 9W, S.B. B. & M.

RECORDS: Records are due within 60 days after completion, suspension, or abandonment of any well, or upon completion of additional work in any well. Records shall be submitted in duplicate. Division forms must be signed.

OIL AND GAS OPERATION
- Well summary (Form G 100)
- Core or sidewall sample (Form OG 101)
- History (Form OG103)

GEOTHERMAL OPERATION
- Well Summary (Form OGG 100)
- Core or sidewall sample (Form OGG101)
- History (Form OGG 103)

LOGS, TESTS, AND SURVEYS: All logs, tests, and surveys are due within 60 days after completion, suspension, or abandonment of any well, or upon completion of additional work in any well. Logs, tests, and surveys shall be submitted in duplicate.

- Electric log (2'=100ft.)
- Velocity survey
- Water analysis
- RIA survey
- Directional survey
- Mud log
- Oil and/or gas analysis
- Spinner survey
- Dipmeter (computed)
- Pressure measurements (flowing or static)
- Temperature survey
- Cement Bond log
- Two copies of all logs
- Other

REPORTS FOR THE MONTH OF: Production, oil and gas disposition, and injection reports are due on or before the 30th day of each month for the preceding calendar month. Division forms must be signed in the spaces provided.

OIL AND GAS OPERATION
- Production and disposition reports (Form OG 110 or computer report)
- Injection reports (Form OG110B or computer report)

GEOTHERMAL OPERATION
- Production reports (Form OGG 110)
- Injection reports (Form OGG 110B)

NAME: Ellen Moser
SIGNATURE: [Signature]

TITLE: Associate Engineer
TELEPHONE: (714) 816-6847
FAX: (714) 816-6853

OG170 5/10/01
Kathleen Maisch, Agent  
Linn Operating, Inc. (L2025)  
2000 Tonner Canyon Road  
Brea, CA 92821

Your proposal to Drill well "Stearns" 312, A.P.I. No. 059-21704, Section 7, T. 03S, R. 09W, SB B. & M., Brea-Olinda field, Any area, Miocene pool, Orange County, dated 2/16/2012, received 2/16/2012 has been examined in conjunction with records filed in this office.

THE PROPOSAL IS APPROVED PROVIDED:
1. Blowout prevention equipment, as defined by this Division's publication No. M07, shall be installed and maintained in operating condition and meet the following minimum requirements:
   a. Class IIIB2M, with hydraulic controls, during drilling operations.
   b. Class II3M, with hydraulic controls, during completion operations.
   c. A 3M lubricator for perforating operations.
2. Blowout prevention practice drills are conducted at least weekly and recorded on the tour sheet. A practice drill may be required at the time of the test/inspection.
3. Hole fluid of a quality and in sufficient quantity to control all subsurface conditions in order to prevent blowouts shall be used.
4. Sufficient material to control lost circulation of hole fluid shall be available for immediate use at the well site.
5. Water shutoff effectiveness is demonstrated by use of either a formation tester above the intended zone of completion, or by running both a USIT log from the casing shoe to 500' above the upper most hydrocarbon zone (UHZ) and production test within 60 days of the well being placed on production.
6. A directional survey shall be made and filed with this division within 15 days of completion of drilling.
7. Once drilled the well location shall be surveyed and the survey shall be filed with this office. Latitude and longitude shall be in decimal degrees, to six decimal places, in NAD83.
8. No program changes are made without prior Division approval.
9. THIS DIVISION SHALL BE NOTIFIED TO:
   a. Witness a test of the installed blowout prevention equipment prior to drilling out the shoe of the 9-5/8" casing.
   b. Inspect the installed blowout prevention equipment prior to commencing completion operations.
   c. Review cement bond log prior to perforating the 5-1/2" casing.
   d. Witness a test of the effectiveness of the 5-1/2" shutoff above the Miocene zone by production test within 60 days of the well being place on production.

Blanket Bond  
cc: Update  
EDP

Engineer Ellen Plaza Moser  
Office (714) 816-6847

EPM/eitm

A copy of this permit and the proposal must be posted at the well site prior to commencing operations. Records for work done under this permit are due within 60 days after the work has been completed or the operations have been suspended. Issuance of this permit does not affect the Operator's responsibility to comply with other applicable state, federal, and local laws, regulations, and ordinances.

OG111 (revised 6/2011)
NOTE:
1. Hydrogen sulfide gas (H₂S) is known to be present in this area, adequate safety precautions shall be taken prior to and during well operations.
2. Upon completion of the proposed work, a Well Summary (form OG100) and a History of Oil or Gas Well (form OG103) shall be submitted to this office.
3. Well operations shall be conducted in compliance with field rules No. 107-017, dated 05/30/2007.
NOTICE OF INTENTION TO DRILL NEW WELL

In compliance with Section 3203, Division 3, Public Resources Code, notice is hereby given that it is our intention to drill well "Steams 312", well type oil and gas, API No. 259-21704, Sec. 7, T.3S, R. 9W, S.B. B&M, Brea-Olinda Field, Orange County.

Legal description of mineral-right lease, consisting of 700+ acres (attach map or plat to scale), is as follows: Attached.

Do mineral and surface leases coincide? Yes ☑ No ☐. If answer is no, attach legal description of both surface and mineral leases, and map or plat to scale.

Location of well Attached feet / property line and feet at right angles to said line from the corner of section / property and Lat./Long. in decimal degrees, to six decimal places, NAD 83 format: Latitude: 33.930001 Longitude: 117.861304

If well is to be directionally drilled, show proposed coordinates (from surface location) and true vertical depth at total depth: 744.1 feet North and 228.2 feet East. Estimated true vertical depth 5869.5 feet. Elevation of ground above sea level 748.5 feet. All depth measurements taken from top of Kelly Bushing that is 21 feet above ground.

Is this a critical well as defined in the California Code of Regulations, Title 14, Section 1720(a) (see next page)? Yes ☑ No ☐

Is a California Environmental Quality Act (CEQA) document required by a local agency? Yes ☑ No ☐ If yes, see next page.

PROPOSED CASING PROGRAM

<table>
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<tr>
<th>SIZE OF CASING (Inches API)</th>
<th>WEIGHT</th>
<th>GRADE AND TYPE</th>
<th>TOP</th>
<th>BOTTOM</th>
<th>CEMENTING DEPTHS</th>
<th>FORMATION PRESSURE (Estimated Maximum)</th>
<th>CALCULATED FILL BEHIND CASING (Linear Feet)</th>
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<tbody>
<tr>
<td>14&quot;</td>
<td>Conductor</td>
<td>Surface</td>
<td>40</td>
<td>40</td>
<td>0</td>
<td>Cement to surface</td>
<td></td>
</tr>
<tr>
<td>9 5/8&quot;</td>
<td>36</td>
<td>J-55</td>
<td>Surface</td>
<td>600</td>
<td>600</td>
<td>216</td>
<td>Cement to surface</td>
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<td>5 1/2&quot;</td>
<td>17</td>
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<td>Surface</td>
<td>5955</td>
<td>5955</td>
<td>2578</td>
<td>Cement to surface</td>
</tr>
</tbody>
</table>

(Attach a complete drilling program including wellbore schematics in addition to the above casing program.)

Estimated depth of base of fresh water: N/A Anticipated geological markers: Attached

intended zone(s) of completion: 2nd, and 3rd Miocene and Upper "C" Zone Estimated total depth: 5955 MD

Name of Operator
Linn Operating, Inc.

Address
2000 Tonner Canyon Rd.

Name of Person Filing Notice
Kathleen Maisch

Telephone Number: 714-257-1629

Signature
Kathleen Maisch

Date
2/16/12

Individual to contact for technical questions:
Juan Chacon

Telephone Number: 714-257-1625

E-Mail Address: jchacon@linneenergy.com

This notice and an indemnity or cash bond shall be filed, and approval given, before drilling begins. If operations have not commenced within one year of the Division's receipt of the notice, this notice will be considered cancelled.
INFORMATION FOR COMPLIANCE WITH THE CALIFORNIA ENVIRONMENTAL QUALITY ACT OF 1970 (CEQA)

If an environmental document has been prepared by the lead agency, submit a copy of the Notice of Determination or Notice of Exemption with this notice.

CRITICAL WELL DEFINITION

As defined in the California Code of Regulations, Title 14, Section 1720 (a), “Critical well” means a well within:

(1) 300 feet of the following:
   (A) Any building intended for human occupancy that is not necessary to the operation of the well; or
   (B) Any airport runway.

(2) 100 feet of the following:
   (A) Any dedicated public street, highway or the nearest rail of an operating railway that is in general use;
   (B) Any navigable body of water or watercourse perennially covered by water;
   (C) Any public recreational facility such as a golf course, amusement park, picnic ground, campground or any other area of periodic high-density population; or
   (D) Any officially recognized wildlife preserve.

This form may be printed from the DOGGR website at www.conservation.ca.gov/dog/
1. Prepare existing location for drilling rig. Grout 14" conductor 40' below GL.
2. MIRU Kenai 4 drilling rig for sump-less operations.
3. NU riser on the 14" conductor.
4. Drill 12-1/4" vertical hole to ±600' using spud mud.
5. Run 9-5/8", 36#, K-55, LTC R3 casing to ±600'.
6. Cement casing to surface using HOWCO 12.5 ppg ECONOCEM™ lead slurry and 14.5 ppg SWIFTCEM™ + 35% SSA + 3% CC tail slurry. Perform 60 sk top job using 14.5 ppg tail slurry.
7. NU Elco 9-5/8" SOW X 11" (3M) casing head and 11" Class III (3M) BOPE, and test. Install Horizon mud loggers.
8. Directional drill 8-1/2" hole using SDI to a TD of 5100' per the final well plan using 9.0-9.8 ppg GEO Cypan mud.
9. Run SWS PEX + Dipmeter + SWC's per the Geologist.
10. Make clean out run and condition hole to run casing. LD DP.
11. Run 5-1/2", 17#, K-55, LTC R3 casing to 3-5' off bottom.
12. Cement casing to surface using HOWCO 13.5 ppg TUNED LIGHT™ slurry. Displace with clean lease water.
13. Drop slips and ND BOPE. Cut and dress casing stub. NU 11" (3M) X 7-1/16" (3M) tubing spool with secondary seal for 5-1/2" casing. Install donut with bull plug.
14. RDMO drilling rig.
Completion Objective:
Produce the C and 1st – 3rd Miocene sands commingled. The sands will be selectively perforated. The C sand will be stimulated via hydraulic fracture.

Mechanical Detail:
- Elevation: 748.54' Mat (estimated, final to be determined with survey after setting conductor)
- Total Depth: 5954' (estimated)
- Effective Depth: 5874' (estimated)
- Casing: 14" conductor cmtd @ 40'
  - 9 5/8", 36 ppf, K-55, LTC, cemented @ 600'
  - 5 ½", 17 ppf, N-80, LTC cemented at 5954'
- Perforations: TBD, pending open-hole log and CBL evaluation.

Procedure:
1. Move in 8 x 500 bbl tanks. Fill tanks with 3% KCl.
2. MIRU workover rig. Install and test BOPE.
3. MU bit and drill collars on 2 3/8" tubing. RIH and clean out to float shoe. Change hole over to clean 3% KCl.
4. RDMO workover rig. Move to Tonner Stearns 106.
5. RU wire line truck. Install and test lubricator.
6. RIH with Schlumberger USIT cement evaluation tool. LINN engineer to witness. Log from ED to surface. Notify DOGGR of log results and send copy to DOGGR. RDMO wire line truck.
7. NU frac head.
8. MIRU frac company equipment. Install and pressure test frac lines.
9. RU wire line truck. Install and test lubricator.
10. RIH with CCL and 4" guns loaded with 6 SPF, 60 deg phasing, deep penetrating premium charges. Correlate to collars on Schlumberger USIT log. Perforate casing at 1st (deepest) Frac interval.
11. Pump the first stage mini-frac per Frac Co. direction. Evaluate mini-frac and adjust main frac pump schedule as required. Pump first stage.

12. RIH with CCL and 5 ½", 17#, composite BP. Correlate to Schlumberger USIT log. Set composite (drillable) BP above previous frac interval and below next frac interval. Linn Operating, Inc. Engineer to witness.

13. RIH with 4" guns loaded with 6 JHPF, 90 degree phasing, deep penetrating, premium charges. Correlate to Schlumberger USIT log. Perforate casing at 2nd frac interval.

14. The entire job will consist of 6 - 8 frac stages that will be a repeat steps 10 - 13 above.

15. RDMO frac equipment.

16. MIRU production hoist, 2 3/8" tubing, 4 x 3 1/8" drill collars, power swivel and mud pump.

17. Install and test BOPE on top of frac head.

18. RIH with 4 ¾" tri-cone bit on 2 3/8" tubing with 4 drill collars.

19. Clean out well to ED by drilling up composite BP's and frac sand. Use viscous pill sweeps if required.

20. POOH and lay down work string.

21. RIH with new 2 3/8", J55, 4.7 ppf EUE 8rd tubing and pump shoe. Set shoe at ~5600 ft.

22. RIH with 1 ¼" pump and ¾" HS guided rods with slim hole couplings. NU prod tree.

23. Place well on production. Produce well for 2 - 4 months.


25. POOH with rods and pump. Install and test BOPE. POOH with tbg.

26. RU wireline. Install and test lubricator.

27. Perforate 1st - 3rd Miocene Sands with 4 JHPF. Correlate to collars on SLB USIT log. LINN engineer to witness.
28. RIH with tubing, gas anchor and pump shoe on btm. Set pump shoe at ~5600 ft.

29. Remove BOPE. Install pumping tee. RIH with pump and rods.

30. Place well on production.
Anticipated Geologic Markers

Top 2nd Miocene @ 3604' MD
Top 3rd Miocene @ 4446' MD
Top Upper “C” Zone @ 5286' MD
14" conductor cemented at 40' MD

9-5/8", 36#, K-55, LT&C cemented at 600' MD

Geologic / Completion Targets

Top 2nd Miocene @ 3604 MD

Top 3rd Miocene @ 4446 MD

Top C Miocene @ 5286 MD

5-1/2", 17#, N80 LTC cemented at 5954' MD
All oil, gas, and other hydrocarbon substances and minerals on, in, under and that may be extracted, produced and saved from that certain real property which was granted, quitclaimed, assigned or conveyed to Union Oil Company of California by:

1) Deed dated 12/4/1896, from Stearns Ranchos Company, as Grantor, to Union Oil Company of California, as Grantee, recorded 1/13/1897 as Document No. 839 in Book 30 at Page 11 of Deeds.

2) Grant Deed dated 8/31/1899, between Stearns Ranchos Company, as Grantor, and Union Oil Company of California, as Grantee, recorded 9/21/1899 in Book 44 at Page 250 of Deeds, more particularly described as follows:

Those portions of Sections 1 and 12, Township 3 South, Range 10 West and Sections 5, 6, 7 and 8 Township 3 South, Range 9 West, in the Rancho San Juan Cajon de Santa Ana, as shown on a map recorded in Book 51, Page 7 of Miscellaneous Maps, Records of Orange County, California, described as follows:

Beginning at a white post 4 inches square in mound with pits at the Northeast corner of the Rancho San Juan de Santa Ana being also the Southeast corner of the Rancho Rincon De la Brea; thence along the patent boundary of said Rancho Rincon de La Brea; thence along the patent boundary of said Rancho Rincon de La Brea, North 84° West 107.51 chains to a sand stone marked R.B. in mound with pits; thence along said patent boundary North 57°42' West 43.67 chains to a white post 4 inches square in mound of stone marked S.J.C.S.A. at intersection of the patent lines of said Rancho San Juan Cajon de Santa Ana and Rincon De la Brea; thence along the patent line of said Rancho San Juan Cajon de Santa Ana, North 78°25' West 62.67 chains to a 2" x 4" post marked 62.67 in mound with pits; thence South 1°45' West 58.96 chains to a 2" x 4" post marked 20.60 in mound with pits; thence North 89° East 20.00 chains to a 4" x 4" post in mound with pits; thence South 1°45' West 20.00 chains to a 2" x 4" post marked 20.60 mounds with pits; thence North 88°39' East 55.48 chains to a 2" x 4" post marked 20 in mound with pits; thence South 0°30' East 20.00 chains to a 2" x 4" post in mound with pits; thence North 89°45' East 134.63 chains to a 2" x 4" post marked 40.10 in mound with pits upon the Eastern Boundary of said Rancho San Juan Cajon de Santa Ana; thence along same North 4° West 47.51 chains to the place of beginning.

Excepting the Westerly 200 acres of the above described tract.

Also excepting any portion of the above described property which lies north of the agreed boundary line and bounded Westerly by line running North 28°30' East from the Western terminus of said line as established by agreement between the Union Oil Company of
California and the Graham-Loftus Oil Company, recorded June 10, 1905 in Book 120, Page 223 of Deeds, records of said Orange County.

Also excepting therefrom that portion included within Parcel 1 of a County of Orange Lot Line Adjustment No. LL 2000-054, recorded August 13, 2001 as Instrument No. 20010557229 of the Official Records, in the office of said Count Recorder.

Also excepting therefrom the land conveyed to Brea Chemicals, Inc., by Deed recorded June 10, 1957 in Book 3936, page 314 of said Official Records, described as follows:

Beginning at a point in the Southerly line of the land described in Deed from the Stearns Ranchos Company, a Corporation, to Union Oil Company of California, a Corporation, dated August 31, 1899, recorded September 2, 1899 in Book 44, Page 250 of said Deeds, distant South 89°10'50" West along said line 3131.98 feet from the Southeast corner of said land, said point of beginning being monumented by Union Oil Company Monument 11B; thence North 9°48'11" West 529.60 feet to a 2" x 2" stake and the true point of beginning for this description; thence North 85°48'16" West, 380.00 feet to a 2" x 2" stake; thence North 4°11'44" East 1750.00 feet to a 2" x 2" stake thence South 85°48'16" East 380.00 feet to a 2" x 2" stake; thence South 4°11'44" West 1750.00 feet to a 2" x 2" stake and the true point of beginning.

Also excepting from said tract of land the land conveyed to the Metropolitan Water District of Southern California by Deed Recorded June 28, 1940 in Book 1051, Page 301 of Official Records of said Orange County, described as follows:

Beginning at a point on the Westerly boundary of said lands owned by Union Oil Company of California, which Westerly boundary is also the Easterly boundary of that certain 200-acre tract conveyed by said Union Oil Company of California to George Chaffey by Deed dated April 25, 1899, recorded June 20, 1899 in Book 44, Page 79 of said deeds, which point of beginning is the point of intersection of the aforesaid Westerly boundary with the Easterly Prolongation of the center line of Central Avenue at the same existed on May 23, 1940 between Berry Street and Brea Canyon Road; thence Northeasterly along a line forming an angle of 73°32'24" with the Easterly prolongation of the center line of said Central Avenue at said point of intersection (assumed and taken to bear North 15°11'16" East), a distance of 839.60 feet to the true point of beginning; thence North 0°10'11" East a distance of 1250 feet; thence South 89°49'49" East a distance of 500 feet; thence South 65°23'11" East a distance of 604.15 feet; thence South 0°10'11" West a distance of 1000 feet; thence North 89°49'49" West a distance of 1050 feet to the true point of beginning.

Also excepting therefrom that portion described in deed to the Metropolitan Water District of Southern California recorded February 10, 1967 in Book 8173, Page 641 of said Official Records.
Also excepting therefrom that portion described in deed to the Metropolitan Water District of Southern California recorded February 10, 1967 in Book 8173, Page 647 of said Official Records.

Also excepting therefrom the land described in deed to the Brea-Olinda Unified School District of Orange County, California, recorded September 11, 1968, page 437 of said Official Records.

Also excepting therefrom that portion described in Parcel 1 of deed to the City of Brea recorded January 16, 1969 in Book 8846, Page 971 of said Official Records.

Also excepting therefrom that portion described in Parcels A6471-4, A6471-5, A6471-6 and A6471-7 of that certain final order of condemnation, Superior Court Case No. 156220, a certified copy of which was recorded September 29, 1970 in Book 9417, Page 364 of said Official Records.

Also excepting therefrom Parcels 1 and 2 of Parcel Map No. 86-243, as shown on a map filed in Book 214, Pages 28 to 31 inclusive, of Parcel Maps, in the Office of the County Recorder of Orange County, California, together with the West Half of associated road, 80.00 feet wide, as shown on said Parcel Map, adjoining said Parcels 1 and 2 on the East, and being bounded Northerly by the Northeasterly line of said Parcel Map and being bounded Southerly by the centerline of Lambert Road, as shown on said Parcel Map.

Also excepting therefrom that portion, if any, included within Parcel 1 of Parcel Map No. 83-1179, as shown on a map filed in Book 218, Page 1 to 4 inclusive, of Parcel Maps, in the Office of the County Recorder of Orange County, California.

Also excepting therefrom that portion included within Tract No. 12562, as shown on a map recorded in Book 579, Pages 4 to 9 inclusive, of said Miscellaneous Maps.

Also excepting therefrom that portion included within Tract No. 12563, as shown on a map recorded in Book 579, Pages 10 to 15 inclusive, of said Miscellaneous Maps.

Also excepting therefrom the land described in the Deed to the City of Brea recorded March 29, 1996 as Instrument No. 19960153320 of the Official Records in the Office of said County Recorder.

Also excepting therefrom that portion included within Parcel 1 of a County of Orange Lot Line Adjustment No. LL 2000-054, recorded August 13, 2001 as Instrument No. 200105577229 of the Official Records, in the office of said County Recorder.
STEARNS WELL SURVEY 312 - NAD83

- PROPOSED
- PRELIMINARY
- FINAL

- ACCESSION NO.

1. WELL NO. STEARNS 312
2. COUNTY OF ORANGE
3. CITY OF BREA
4. SECTION NO. 7
5. TOWNSHIP 3S
6. RANGE 9W
7. STATE CA
9. TRACT NO. 16976
10. LOT NO. J
11. FIELD BREA-OLINDA
12. FROM THE NORTHEAST CORNER OF THE STEARNS LEASE; THENCE SOUTHERLY ALONG THE EASTERLY
13. DISTANCE OF 1414.67 FEET; THENCE WESTERLY AT RIGHT ANGLES A
14. DISTANCE OF 2869.26 FEET.
15. DISTANCE OF NORTH
16. DISTANCE OF SOUTH
17. DISTANCE OF EAST
18. DISTANCE OF WEST
19. LAMBERT SURFACE COORDINATES Y = 2,285,816.56
20. X = 6,072,628.45
21. ZONE 6
22. TOP OF PIPE WELL HEAD
23. ELEVATION: GROUND 748.54 FT.
24. CONCRETE MAT.
25. ABOVE MAT 0 FT.

ALTERNATE OR SURVEYED LOCATION

<table>
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<th>MOVE</th>
<th>REMARKS</th>
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<td>LAT 33.930001</td>
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<td>LONG 117.861304</td>
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SKETCH OR REMARKS

BENCHMARK IS: O.G.S. 2C-105-83 EL 384.12 (NGVD 29)

C.C. DIV. ENGR.
FILE SURVEYOR
AREA FRMN
AREA SUPT
DATE: / / YEAR LEVELLED

STEARNS LEASE
County of Orange
OC Public Works

This permit will expire after 180 days of inactivity and the applicant is responsible for tracking and maintaining it active. For more information, visit our website.)
For Inspections Call: (714) 796-0407 or Visit us on the web at: http://www.ocplanning.net

OIL WELL PERMIT

Permit Number: OW120001
Issue Date: 2/16/12

Description of Work/Use: New oil well "Stearns 312"
Approved By: Laree Brommer
Job Address: 15550 Tonner Canyon Rd, Brea
Date: 2/16/12

Additional Address: 306-021-02
Applicant: Linn Operating, Inc.
Assessor Parcel No: 5 3 9 AA SL
Address: 2000 Tonner Canyon Rd

Legal Description: Brea, CA 92821
Phone: 714-257-1600
Attn: Kathleen Maisch

Owner: Shea Homes
Address: 1250 Corona Pointe Court Suite 600
Phone: 714-985-1300
Attn:

Approximated Cost $500
By signing below, I certify to each of the following:

DECLARATION REGARDING CONSTRUCTION LENDING AGENCY
I hereby affirm under penalty of perjury that I have and will maintain a certificate of consent to self-insure for workers' compensation, issued by the Director of Industrial Relations, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued; Policy No.

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civil Code).

DECLARATION REGARDING CONSTRUCTION LENDING AGENCY
I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civil Code).

OWNERS/CONTRACTORS DECLARATION
I hereby affirm under penalty of perjury that I have and will maintain worker's compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued; Policy No.

LEASED: I hereby affirm under penalty of perjury that I have and will maintain worker's compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued; Policy No.

I have and will maintain worker's compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued; Policy No.

If I have and will maintain worker's compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued; Policy No.

I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that, if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that, if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

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By my signature below, I agree that this permit is issued on the basis of the information that I submitted and the County of Orange makes no representations regarding such information. I agree to indemnify, defend and hold harmless the County of Orange, its officers, employees and representatives from any claim or litigation arising from or related to the issuance of this permit or any actions taken on the basis of this permit.

Signatory: Kathleen Maisch
Date: February 16, 2012 11:07AM PST

Katherine Maisch