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

REPORT OF PROPERTY AND WELL TRANSFER

Field or county		District
VARIOUS FIELDS		04
Former owner	**Operator code**	**Date**
Vintage Production California LLC	V1370	02/26/16

Name and location of well(s)

PLEASE SEE ATTACHED LIST OF WELLS

Fields:

Ant Hill, Antelope Hills North, Belgian Anticline, Belridge South, Bowerbank, Buena Vista, Canfield Ranch, Chico-Martinez, Cymric, Devils Den, Jerry Slough, Kern Front, Kern River, Landslide, Los Lobos, Lost Hills, Lost Hills Northwest, McDonald Anticline,McKittrick, Midway Sunset, Monument Junction,Mount Poso, Mountain View, Paloma, Pioneer, Plieto, Rio Viejo,Rose, San Emidio Nose, Semitropic, Shafter North, Strand, Tejon, Tejon North, Ten Section, Wasco, Wheeler Ridge,Yowlumne

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

Date of transfer, sale, assignment, conveyance, or exchange	New owner	Operator code	Type of organization
12/01/2014	California Resources Production Corporation	C0885	Corporation
	Address: 11117 River Run Boulevard, Bakersfield CA 93311		Telephone No. 661-869-8000

Reported by
Vintage Production California LLC (V1370)

Confirmed by
California Resources Production Corporation (C0885)

New operator new status (status abbreviation)	Request designation of agent
PA	
Old operator new status (status abbreviation)	**Remarks**
Ab	**RETAIN SPOT LOC:**

OPERATOR STATUS ABBREVIATIONS

PA – Producing Active
NPA – No Potential, Active
PI – Potential Inactive
NPI – No Potential, Inactive
Ab – Abandoned or No More Wells

District Deputy
William Bartling

Signature

FORM AND RECORD CHECK LIST

Form or record	Initials	Date	Form or record	Initials	Date
Form OGD121			Map and book		
Form OGD140			Notice to be cancelled		
New well cards			Bond status		
Well records			EDP files		
Electric logs			Computer Files		
Production reports					

OGD156 (5/98)

A.P.I. No. 030 - 34833

Intent & Type	Drill OG			
"P" Report No.	P407-6401			
Supp. No.				
Supp. No.				
Proposed Pool	06			
Completed Pool	06			
STATUS & DATE	06/ 3-4-08			

	Checked	Hold	Checked	Hold	Checked	Hold	Checked	Hold
Notice	✓							
History	✓							
Summary/Signature	✓							
E-Log } Comb	✓							
Density/Neutron }	✓							
SWS	✓							
Core								
Mud Log								
CBL								
BLM Fan								
Directional Survey								
"T" Report								
Environmental								
Location	✓						Map Change	No
Elevation w/Datum	820 (KB)			Dry Hole (Year/TD)			Lease Line	
MAP LETTER								
Drill Card TD 2147'								
Initial Production								
6 Mo. Production								
Hold (Date & Init.)								
RECORDS APPROVED	7/16/08							
EDP Clerk	✓							
Confidential Clerk								
Form 121 / Computer 121	m.m 7-22-08							
Bond No. Date	Bl							
Bond Release Date								
Form 150 (Release)								

Remarks:

Rig Release Date (confidential wells only)

Final Letter Approval: Form 159 Final Letter:

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

WELL SUMMARY REPORT

API NO. **030-34833**

Operator	Well				
Vintage Production California LLC	**SEC 23 242**				
Field	County	Sec.	T.	R.	B.&M.
KERN FRONT	**KERN**	**23**	**28S**	**27E**	**MDB**

Location (Give surface location from property or section corner, street center line)
2200.1'NORTH and 1175.5'WEST from the SOUTHEAST corner of SEC 23

Elevation of ground above sea level
809.7'

California Coordinates (if known): **NAD27 N720839.11 E1692567.30**

Was the well directionally drilled? ☐ Yes ☒ No If yes, show coordinates at total depth.

Commenced drilling (date)	Total depth			Depth measurements taken from top of:
02/29/2008	(1st hole)	(2nd)	(3rd)	☐ Derrick Floor ☐ Rotary Table ☒ Kelly Bushing
Completed drilling (date)	**2147'**			
03/05/2008				Which is **10** feet above ground

Commenced production/injection (date)	Present effective depth	GEOLOGICAL MARKERS	DEPTH
04/04/2008		**Top Etchegoin**	**1603'±**
Production mode: ☐ Flowing	Junk	**Top Chanac**	**1797'±**
☒ Pumping ☐ Gas lift	**None**		
Name of production/injection zone(s)		Formation and age at total depth	Base of fresh water
Etchegoin, Chanac		**Etchegoin/Chanac**	

	Clean Oil (bbl per day)	API Gravity (clean oil)	Percent Water (including emulsion)	Gas (Mcf per day)	Tubing Pressure	Casing Pressure
Initial Production	**29**	**14**	**93%**	**NA**	**NA**	**NA**
Production After 30 days	**20**	**14**	**93%**	**NA**	**NA**	**NA**

CASING AND CEMENTING RECORD (Present Hole)

Size of Casing (API)	Top of Casing	Depth of Shoe	Weight of Casing	Grade and Type of Casing	New (N) or Used (U)	Size of Hole Drilled	Number of Sacks or Cubic Feet of Cement	Depth of Cementing (if through perforations)	Top(s) of Cement in Annulus
10.75"	**Surf**	**40'**		**CONDUCTOR**					
7"	**Surf**	**1752'**	**23#**	**K-55**	**N**	**8-3/4"**	**131 sacks**		
5 ½"	**1717'**	**2147'**	**15.5#**	**J-55**	**N**	**11"**			

PERFORATED CASING (Size, top, bottom, perforated intervals, size and spacing of perforations, and method.)
Blank from: 1717' – 1728'
Semi Perfs: 1728' – 1738' (24R x 0.030" x 2"S x 6"C)
Full Perfs: 1738' – 2147' (48R x 0.030" x 2"S x 6"C)
Gravel Pack: 207cuft 6 x 9 Gravel pack

Logs/surveys run? ☒ Yes ☐ No If yes, list type(s) and depth(s).
DL-EPT-AIT-MCFL-GR-PEXCAL-SWC

RECEIVED
JUL - 3 2008
DIVISION OF OIL & GAS
BAKERSFIELD

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	Title	
Sultan Al Battashi	**Operations Engineer**	
Address	City/State	Zip Code
9600 Ming Ave., Suite 300	**Bakersfield, CA**	**93311**
Telephone Number	Signature	Date
(661) 869-8000		6/30/08

OG100 (1/98/GSR/1M)
Printed on recycled paper.

SUBMIT IN DUPLICATE

SUBMIT IN DUPLICATE
RESOURCES AGENCY OF CALIFORNIA
DIVISION OF OIL, GAS AND GEOTHERMAL RESOURCES

HISTORY OF OIL OR GAS WELL

Operator: Vintage Production California LLC **Field:** KERN FRONT **County:** KERN COUNTY EXTENSION
Well: Sec 23 242 **Sec:** 23 **T:** 28S **R:** 27E **M.D.B. & M.**

API#: 04-030-34833 **Name:** Sultan Al Battashi (Person submitting report) **Title:** Operations Engineer (President, Secretary, or Agent)

Signature: **Date** 6/30/08

9600 Ming Ave. , Suite 300 , Bakersfield, CA. 93311 (Address) (661) 869-8000 (Telephone Number)

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 such 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.

New Well Completion Report

Work Type	Primary Reason	Secondary Reason	Start Date	End Date
DEV DRILLING	ORIG DRILL VERT		02/29/2008	03/05/2008

2/29/2008 @06:00 to **03/01/2008** @06:00

Move Ensign 508 from Sec 23-261 to Sec 23-242 and rig up.

Start operation @10:30. Install Hydrill and diverter.

Held prespud safety meeting and safety walk through with Ensign crew. Make up 8 3/4' drilling assembly.

Function test Hydrill and Diverter.

Spud well @ 12:30 HRS 02/29/08. Rotary drill 8 3/4" hole from 50' to 629 ft. ROP 165.4 FPH.

Circulate and survey @ 629 ft.

Wiper trip from 629 ft to 40 ft. Normal overpull. Run in to 629 ft.

Rotary drill 8 3/4" hole 629 ft 1065 ft. ROP 218 FPH.

Circulate.

Survey @ 1065 ft.

Wiper trip. Pull to 90 ft. No overpull.. Run in hole to 1065 ft

Rotary drill 8 3/4" hole from 1065 ft to 1344 ft. Lost pump pressure ROP 186 FPH.

Circulate clean.

Pull out check bit. MOP 5 to 10k. Lost nozzel in bit.

Change bit. Run in hole to 1344 ft.

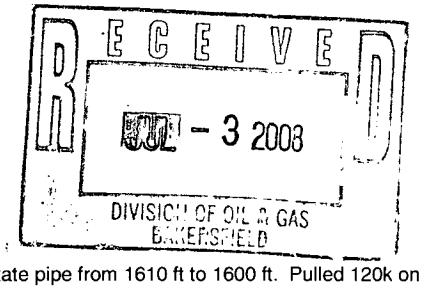
Rotary drill 8 3/4" hole from 1344 ft to 1482 ft. Lost circulation @ 1482 ft, 100 % loss. Continue drilling to 1592 ft. ROP 165.33 FPH.

Survey @ 1592 ft.

Wiper trip to 1117 ft. Pulled free. Run in hole to 1592 ft.

Rotary drill 8 3/4" hole from 1592 ft to 2147 ft with no returns.. TD. ROP 158.57 FPH.

Pump 130 bbls of HI-VIS sweep.



3/1/2008 @06:00 to **03/02/2008** @06:00

Survey @ 2147 ft.

Pull out of hole. Pulled 15 to 30k from 2147 ft to 1547 ft. Spot overpull. L/D DCS and Monel.

M/U undergage stabilizer and 8 3/4' bit. Run in to 1300 ft. Tag.

Wash and ream from 1300 ft to 1320 ft. Run in to 1610 ft.

Tag at 1610 ft. Hole fell in. Circulate and work stuck pipe to 1600 ft. Hole is packed off above bit. Can work & rotate pipe from 1610 ft to 1600 ft. Pulled 120k on string.

Work stuck pipe at 1600 ft. Wait on BakerAtlas to run freepoint and back-off. Can circulate through bit. Unable to rotate string.

HSM with baker Atlas and crew. Rig up.

Make up !" freepoint tools. Trouble shot freepoint, Short in tools. R/U and run freepoint 1194' 100% free,1493 stuck, 1441' stuck, 1349' stuck, 1318 stuck, 1257' stuck, 1225' stuck, 1164 98% free.

Make up and run in with string shot. Back-off at 1194 ft. Pull out. Work string. No back-off.

Run in with string shot. Back-off at 1194 ft. Rig down Baker.

Pull out of hole. Drillpipe backed- off high. Back-off at 912 ft.

HSM with Weatherford and crew. Make up Screw in sub, bumper-sub and fishing jars. P/U 4 jts of HWDP. Run in to 912 ft.

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HISTORY OF OIL OR GAS WELL

Operator: Vintage Production California LLC **Field:** KERN FRONT **County:** KERN COUNTY EXTENSION
Well: Sec 23 242 **Sec:** 23 **T:** 28S **R:** 27E **M.D.B. & M.**

Circulate and screw into top of fish at 912 ft. Bit plugged. Work torque into string. Jar on fish @ 912 ft. Pulled 60k over string wt.

HSM with Baker and crew.

Run in hole with 1" freepoint tools. Ran free-point @ 1072 free, 1134' 90% free, 1166' 82% free, 1194" 52% free. Ran string shot. Back-off drillpipe @ 1166 ft.

Work and jar on string, not free.

Re-run freepoint. CCL showed back-off @ 1166 ft. ran freepoint @ 912 ft 94% free, 941 88% free, 974 ft stuck, no movement.

3/2/2008 @06:00 to **03/03/2008** @06:00

HSM with Baker Atlas and crew. Ran in hole with String shot. Back-off drillpipe at 941 ft. Rig down baker

Pull out Lay down shot joint.

Service rig.

Pick up 5 jts of 7 5/8" washpipe w/ 8 1/8" ocean wave shoe. Pick up bumper sub & jars and 8 Hwdp. Run in hole to 941 ft. Top of fish.

Work over top of fish @ 941 ft. Washover f/ 941 ft to 1100 ft with full returns.

Circulate clean with 100% circulation.

Pull out. Stand back washover pipe.

Run in w/ screw in sub, bumper sub and jars. Run in to 941 ft.

Jar on stuck pipe at 941 ft with no success. Jar at 60k over string wt.

HSM with Baker Atlas and crew. Ran freepoint. 1134' stuck, 1103' 72% free, 1066 ft 90% free. Run in with string shot. Back-off drillpipe @ 1066 ft. Rig down Baker.

Pull out. lay down 4 jts of drillpipe. Top of fish @ 1066 ft.

Ran in hole w/ 5 jts of 7 5/8' wash pipe amd fishing tools.

Work over top of fish @ 1066 ft. Washover drillpipe f/ 1066 ft to 1225 ft.

Circulate clean. 100% returns.

Pull out of hole. Stand back washover pipe.

Run in hole with screw in sub and fishing tools to 1066 ft.

Screw into fish at 1066 ft & torque pipe. Jar on stuck pipe @ 1066 ft. 60K over string wt.

HSM with Baker Atlas and crew. Run in with freepoint. Stuck @ 1256 ft, 100% free @ 11223 ft. Pull out. Run in with string shot. Back-off drillpipe @ 1223 ft.

3/3/2008 @06:00 to **03/04/2008** @06:00

Rig down Baker Atlas

Pull out of hole. Recovered 5 JTS of drillpipe. Lay down drillpipe.

Clear walk.

Run in with washover assembly to 1233 ft.

Work over top of fish at 1233 ft. Washover drillpipe f/ 1233 ft. Lost circulation @ 1275 ft. Wash over fish to 1395 ft. Fish sliding down hole. Chase fish to 1320 ft. Top of fish @ 1320 ft, BIT @ 1698 FT.

Pump 75 bbls of HI-VIS mud.

Pull out hole. Stand back wasover pipe.

Run in hole with screw in sub and fishing assembly. Chase fish from 1320 ft to 1411 ft. Top of fish.

Pump 75 bbls of HI-VIS mud.

Pull out of hole. Lay down fishing tools. Lay down 2 jts of drillpipe. Lay down 10 jts of HWDP. Last 3 joints Pluged with sand.

Lay down washover pipe.

Make up 8 3/4" bit. Run in hole. Tag at 1870 ft. Wash and ream f/ 1870 to 1880 ft. Run in to 2147 ft.

Pump 90 bbls of HI-VIS mud.

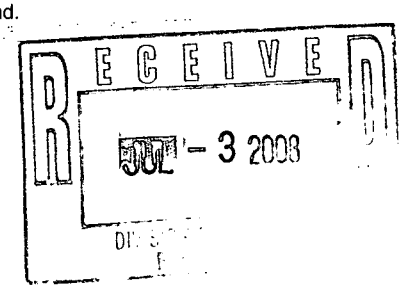
Pull to 50 ft. Pulled free.

Mix pit of HI-VIS mud.

Run in hole to 2147 ft.

Pump 100 bbls of HI-VIS mud.

Pull out of hole.



HSM with Schlumberger & crew. Run in with (Platform Express) PEX-EPT AIT,TLD,MCFL,HGNS). Tag at 2149 ft. Run open Logs. From 2141 ft to 50 ft. Lay down logging tools.

Run in with SWS gun. Take sws f/ 1823 ft to 1675 ft. 13 samples. Recovered 13 Rig down Schlumberger.

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HISTORY OF OIL OR GAS WELL

Operator: Vintage Production California LLC **Field:** KERN FRONT **County:** KERN COUNTY EXTENSION
Well: Sec 23 242 **Sec:** 23 **T:** 28S **R:** 27E **M.D.B. & M.**

HSM with Westcoast casing and crew. Run 7" K-55, R-3, 23#, LTC.

3/4/2008 @06:00 to **03/05/2008** @06:00

Held safety meeting with Ensign and West Coast Casing. Run casing; 43 joints with landing joint. Total on hook 1755.14 ft. 7" 23# K-55, LTC casing, shoe @ 1751.54' float insert @ 1712'. Rig down casing tongs.

Drop ball. Rig up cement head.Circulate while holding saftey meeting with BJ and crew.

Drop bottom plug, load top plug, test lines to 2500 psi, mix and pump 10 bbls Mud Clean 1and lead cement @ 12.5 ppg 81 sks, 46 bbls, 258 cu ft Type III, with 2%BOWC CaCl, 0.5% BWOC EC-1, 8% BWOC Kol Seal, 2 gal/100sx FP-6L, 35% Silica Flour, 10% BWOC AEF-15, 5% BWOC MPA-1, yield 3.18. Pump tail cement 50sks, 18 bbls, 101 cuft of 14.2 ppg, yield 2.02, Type III cement with 1% BWOC CaCl, 6% BWOC A-10, 2 gal/100sx FP-6L, 0.5% BWOC Sodium Metasilicate, 35% BWOC Silica Flour. Drop top plug and displace with 68 bbls of lease water at 2 bbl/min, lift pressure 100 psi. Bump plug with 1160 psi hold for 5 minutes, float held. No circulation through out job. CIP 08:00 hrs on 03/04/08.
Note while cementing believe hole fell in or bridged off and packed off. Casing was stuck. While pumping tail cement pressure was 450 psi with 3.2 BPM. Dropped top plug pressure was 0 psi. start displacement @ 3.0 BPM after 20 BBLS displacement pressure was 800 psi. Lowered rate to 2.0 BPM. pressure was 550 psi then decreased to 100 psi.

Rig down BJ. Back out landing joint.

Nipple down diverter and Hydrill.

Cut off 11" wellhead. Weld on ELCO SOW wellhead. Test weld to 1000 psi.

Nipple up Hydrill and Choke & kill line.

Run in hole with 6 1/4" bit to 1712 ft.

Test BOPE, choke and kill line to 1000 psi for 10 min. Good test.

Drill out insert @ 1712 ft & cement to 1751.5 ft. No cement below shoe. Run in hole to 2147 ft.

Change over to 3 % KCl/HEC. Xanvis

Pull out of hole for underreamer.

Make up 6" X 11" underreaming assembly and run in hole to 1712 ft.

Scrape lap from 1712' to 1751.5', cut shoulder @ 1751.5', underream 8 3/4" hole to 11" from 1751.5' to 2147 ft.

Pump hi-vis sweep. Circulate clean.

Pull to 7" shoe. Wait.

Run in hole to 2147 ft. No fill. Pull out of hole. Lay down underreamer.

Held safety meeting with West Coast and Ensign crews. Make up and run 10 joints of 5 1/2" 15.5# J-55 LTC slotted liner (30 mesh 48 row - 2" slots - 6" center). Top joint 1.17' SSA, (11.40' Blank - 10.00' Semi Perf - 24.93' Full Perf) Total 429.81 ft. Pick up 2 3/8" tubing inner string.

Run in hole with 5 1/2" slotted liner. Shoe @ 2147 ft. Top of liner @ 1717 ft. 34.5' of lap

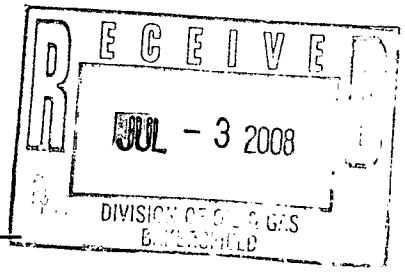
Change over to 3% KCL with Breaker.

Gravel pack well with 6x9 gravel.Packed off with 500 psi. Pumped 207 cu/ft. Reverse out 2 cu/ft. 205 cu/ft inplace, Est 198 cu/ft. Retest pack with 500 psi.

Set SSA. Release from liner.

Lay down drillpipe and 2 3/8" tubing.

Install tubing hanger. Nipple down Hydrill. Released rig @ 0559 hrs 3-05-08. Will move to Sec 23 243.



New Holes

Wellbore No.	Hole Size (in)	Top MD (ft)	Btm MD (ft)	Start Date	End Date
00	8.750	40	2,147	02/29/2008 12:30	03/02/2008 05:30
00	11.000	1,752	2,147	03/04/2008 17:30	03/04/2008 19:30

New Casing/Liner Strings

Size	Assembly Name	Installed	Wellbore No	Top MD (ft)	Btm MD (ft)
7.000	PRODUCTION CASING	03/04/2008	00	0	1,752
5.500	GRAVEL PACK LINER	03/04/2008	00	1,717	2,147

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HISTORY OF OIL OR GAS WELL

Operator: Vintage Production California LLC **Field:** KERN FRONT **County:** KERN COUNTY EXTENSION
Well: Sec 23 242 **Sec:** 23 **T:** 28S **R:** 27E **M.D.B. & M.**

Logs/surveys run? [X] **Yes** [ ] **No** **If yes, list type(s) and depth(s)**

Log Date	Wellbore No.	Top MD (ft)	Btm MD (ft)	Distance Logged (ft)	Logging Tools
03/04/2008	00	50	2,141	2,091	DL-EPT-AIT-MCFL-GR-PEXCAL
03/04/2008	00	1,675	1,823	148	SWC

3/6/2008-Completion
M I R U. ND WELLHEAD. NU FUNCTION TEST BOPE. RIH SINKER BAR TAG @ 2149' FLUID LEVEL @ 426'. TALLY TBG. PU RIH PUMP & 65 JTS 2 7/8" TBG INTAKE @ 2087'. ND BOPE. NU WELLHEAD & PRODUCTION TEE. PU RIH ON/OFF TOOL & 67 7/8" RODS INSTALL PONY RODS & POLISH ROD. LATCH PUMP. FILL TBG PRESS TEST 500 PSI. SPACE PUMP CLAMP OFF POLISH ROD. R D M O.

Core Lab
RESERVOIR OPTIMIZATION

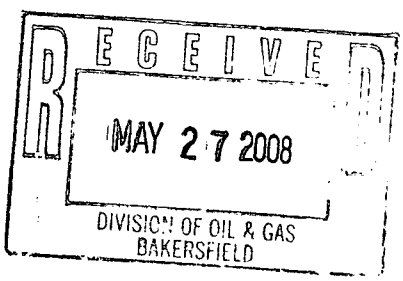
CORE LABORATORIES

CORE ANALYSIS

VINTAGE PRODUCTION CALIF. LLC

SEC 23-242 WELL

KERN FRONT FIELD
KERN COUNTY, CA



CL FILE 57111-108168VI

Performed by:

Core Laboratories
3437 Landco Dr.
Bakersfield, CA 93308
(661) 325-5657

Core Lab
RESERVOIR OPTIMIZATION

Petroleum Services Division
3437 Landco Dr.
Bakersfield, California 93308
Tel: 661-325-5657
Fax: 661-325-5808
www.corelab.com

April 18, 2008

Ms. Tania Campbell
Vintage Production Calif. LLC
Post Office Box 82576
Bakersfield, CA 93380-2576

Subject: Core Analysis Data
Well: Sec 23 242
Field: Kern Front
Kern County, CA
File No.: 57111-108168VI
API No.: 04-030-34833

Dear Ms. Campbell:

Sidewall cores recovered from the subject well were submitted for permeability, porosity, and fluid saturation determinations. The sidewalls were photographed with white and ultra-violet light. The results of these measurements and a copy of the photographs are presented in the accompanying report.

The samples were prepared by encasing in sleeves with 100 mesh end screens to hold the sample intact. The sleeves were seated to the sample by applying a pressure minus 100 (min. 400 and max. 2000). Dean Stark Methods determined saturations with toluene as the distillation solvent. Following distillation, the samples were extracted of remaining hydrocarbon by soxhlet with methylene chloride/methanol. Prior to measurement of porosity and permeability to air, the samples were dried at 235 degrees Fahrenheit. Porosity was determined by Boyle's Law Method using helium as the gaseous medium. Pore volume and permeability measurements were made with a confining pressure of 300 psig. The analysis procedures are noted on the data pages.

We are pleased to have performed this service and hope it is beneficial in the evaluation of this reservoir.

Very Truly Yours,

Chuck Moore
Laboratory Supervisor
Distribution: 1 original report, 2cc copies, 1 CD: Addressee

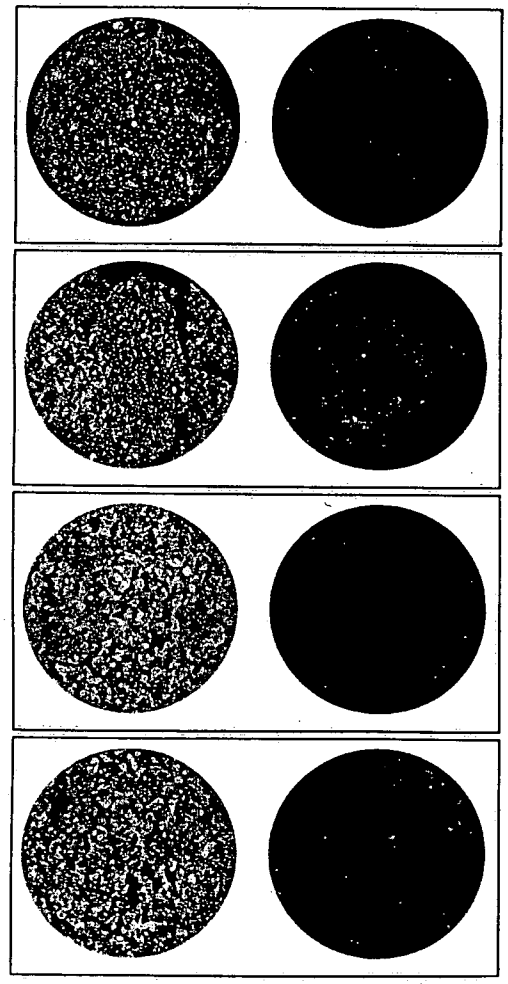
Core Lab
RESERVOIR OPTIMIZATION

Company : Vintage Production California LLC
Well : Section 23-242
Field : Kern Front

Location: Sec 23-28S-27E
Elevation: 820' KB
Drlg Fluid: Gel

File No.: 57111-108168VJ
API No.: 04-030-34833
Date: 4\16\2008

Sidewall Core Analysis Results



Sample Number	Depth ft	Rec inches	Perm. Kair md	Porosity %	Fluid Saturation Oil %	Water %	O/W Ratio	Total %	Grain Den g/cc	Sample Wt. g	Method
1	1675.0	1.0	449.0	25.7	0.0	89.7	0.00	89.7	2.64	27.3	1
	Sd gry vf-gran slty cly incl no stn no flor										
2	1685.0	1.7	707.0	32.0	0.0	92.8	0.00	92.8	2.79	25.2	1
	Sd gry vf-mgr slty vmica no stn no flor										
3	1692.0	1.5	1623.0	27.6	0.0	92.8	0.00	92.8	2.64	22.7	1
	Sd gry vf-vcgr slslty mica no stn no flor										
4	1712.0	1.2	1360.0	26.7	0.0	93.1	0.00	93.1	2.62	19.7	1
	Sd gry vf-pbly slslty mica no stn no flor										

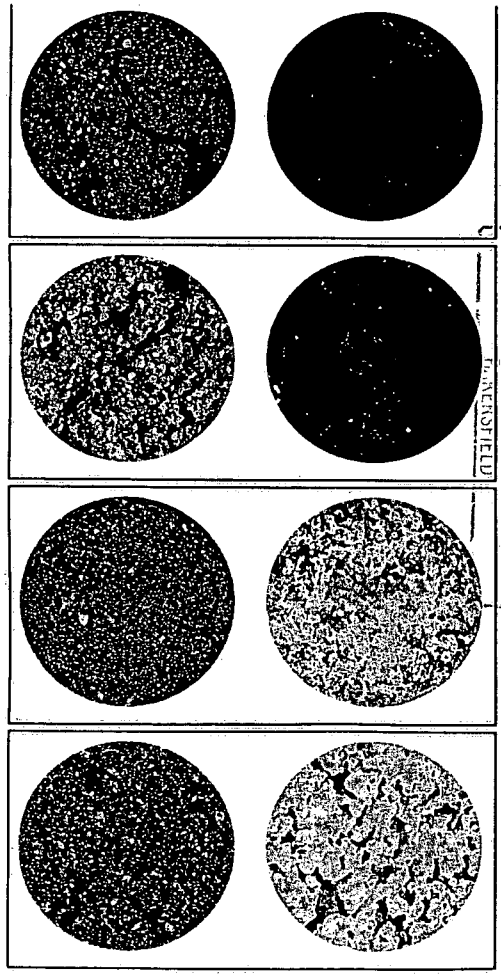
Company : Vintage Production California LLC
Well : Section 23-242
Field : Kern Front

Location: Sec 23-28S-27E
Elevation: 820' KB
Drlg Fluid: Gel

File No.: 57111-108168VJ
API No.: 04-030-34833
Date: 4\16\2008

Sidewall Core Analysis Results

Sample Number	Depth ft	Rec Inches	Perm Kair md	Porosity %	Fluid Saturation Oil %	Water %	O/W Ratio	Total %	Grain Den g/cc	Sample Wt g	Method
5	1721.0	1.2	1044.0	29.6	0.0	90.9	0.00	90.9	2.70	25.0	1
	Sd gry vf-cgr slslty mica no stn no flor										
6	1736.0	1.7	1629.0	26.1	0.0	99.4	0.00	99.4	2.64	32.0	1
	Sd gry vf-gran slslty mica no stn no flor										
7	1751.0	1.2	1585.0	30.0	49.5	49.4	1.00	98.8	2.66	20.0	1
	Sd dbrn vf-vcgr slslty mica d stn gld flor										
8	1760.0	1.5	2770.0	27.9	52.5	44.8	1.17	97.3	2.64	26.4	1
	Sd dbrn vf-gran slslty mica d stn gld flor										



Core Lab
RESERVOIR OPTIMIZATION

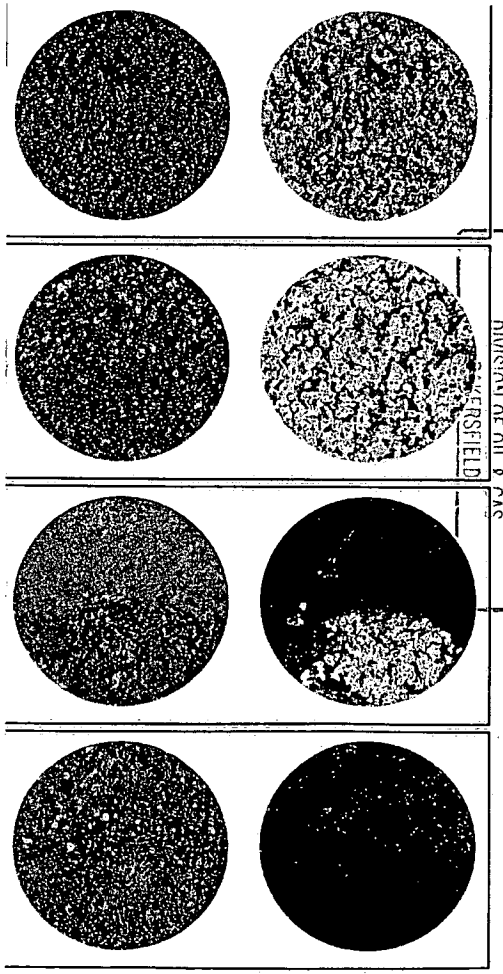
Company : Vintage Production California LLC
Well : Section 23-242
Field : Kern Front

Location: Sec 23-28S-27E
Elevation: 820' KB
Drlg Fluid: Gel

File No.: 57111-108168VJ
API No.: 04-030-34833
Date: 4\16\2008

Sidewall Core Analysis Results

Sample Number	Depth ft	Rec inches	Perm: Kair md	Porosity %	Fluid Saturation				Grain Den g/cc	Sample Wt. g	Method
					Oil %	Water %	O/W Ratio	Total %			
9	1769.0	1.7	32.4	25.5	31.1	68.3	0.45	99.4	2.66	28.8	1
Sd brn vf-cgr vslty mica m-d stn gld flor											
10	1786.0	1.7	2150.0	30.5	36.8	62.8	0.59	99.6	2.63	31.2	1
Sd brn vf-vcgr slslty mica m-d stn gld flor											
11	1794.0	1.7	294.0	29.1	17.2	78.5	0.22	95.7	2.62	19.8	1
Sd brn-gry vf-vcgr slty cly lam mstrk stn gld flor											
12	1820.0	1.5	5.7	23.5	4.5	95.1	0.05	99.6	2.66	24.0	1
Sd gry-ltan vf-vcgr vslty cly mica lsp gld flor											



Core Lab
RESERVOIR OPTIMIZATION

Company : Vintage Production California LLC
Well : Section 23-242
Field : Kern Front

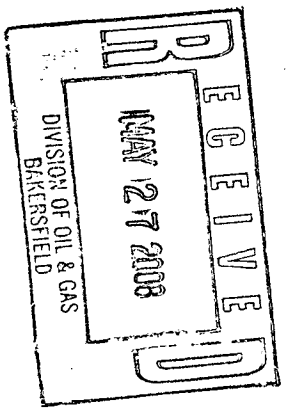
Location: Sec 23-28S-27E
Elevation: 820' KB
Drlg Fluid: Gel

File No.: 57111-108168VI
API No.: 04-030-34833
Date: 4\16\2008

Sidewall Core Analysis Results

Sample Number	Depth ft	Rec inches	Perm. Kair md	Porosity %	Fluid Saturation				Grain Den g/cc	Sample Wt. g	Method
					Oil %	Water %	O/W Ratio	Total %			
1823.0					Insufficient Sample						

Sd dbrn vf-cgr slslty mica d stn gld flor

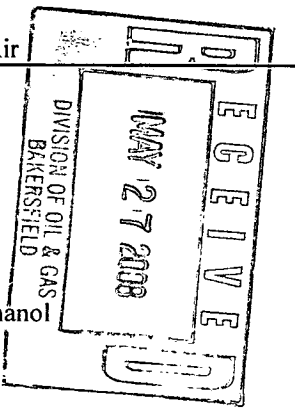


Company: Vintage Production California LLC
Well: Section 23-242
Field: Kern Front

File No.: 57111-108168VI
API No.: 04-030-34833
Date: 4\16\2008
Core Type: Sidewall

CORE ANALYSIS PROCEDURES AND CONDITIONS

	Procedure (1)	Procedure (2)	Procedure (3)	Procedure (4)
Sampling Method	Percussion	Rotory	Percussion	Percussion
Drill Coolant	N/A	N/A	N/A	N/A
Jacket Material	Nickel	None	N/A	None
Saturation Method	Dean Stark (Toluene)	Dean Stark (Toluene)	Retort	Dean Stark (Toluene)
Porosity Method				
Grain Volume	Boyle's Law (Helium)	Boyle's Law (Helium)	Bulk Vol-Pore Vol	Boyle's Law (Helium)
Pore Volume	Boyle's Law (Helium)	Bulk Vol-Grain Vol	Summation Of Fluids	Bulk Vol-Grain Vol
Bulk Volume	Pore Vol + Grain Vol	Mercury Displacement	Mercury Displacement	Mercury Displacement
Permeability Method	Air	Air	Empirical	Empirical



Common Conditions

Sleeved Sample Seating Pressure: Depth-100 (400-2000)
Confining Pressure Pore Vol & Permeability: 300 psig
Samples Dried At 235 Degrees Fahrenheit
Additional Extraction by Soxhlet with Methylene Chloride/Methanol
Oil Density used in Calculation: 0.97grms/cc

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

No. P407-**6401**

PERMIT TO CONDUCT WELL OPERATIONS

338
FIELD CODE
00
AREA CODE
00
NEW POOL

OLD POOL

Bakersfield, California
December 20, 2007

Mr. Richard Oringderff
Vintage Production Calif. LLC
9600 Ming Ave #300
Bakersfield, CA 93311

Your proposal to **drill** well **242**, A.P.I. No. **030-34833**, Section **23**, T. **28S**, R. **27E**, **MD** B. & M., **Kern Front** field, --- area, --- pool, **Kern** County, dated **12/07/07**, received **12/12/07** has been examined in conjunction with records filed in this office.

DECISION: THE PROPOSAL IS APPROVED PROVIDED THAT:

1. Prior to commencing operations, an operator's representative shall instruct all operator's rig personnel, or drilling contractor's representative, on the potential hazards and control of wells which operate in active steam zones or areas of anomalous zone pressures.
2. Hole fluid of a quality and in sufficient quantity to control all subsurface conditions in order to prevent blowouts shall be used.
3. Sufficient cement shall be used to fill the annular space of the 10 3/4" and 7" casing(s) to the surface.
4. This well shall be equipped with a minimum 6" diverter system on the conductor pipe.
5. The specified blowout prevention equipment, as defined by DOGGR Manual M07, is considered minimal and shall be maintained in operating condition at all times: on the 7" casing, DOGGR Class II 2M and hole fluid monitoring equipment A.
6. All drilling fluid shall be disposed of according to Regional Water Quality Control Board regulations.
7. Prior to flaring, this Division shall be notified and a permit must be obtained from the San Joaquin Valley Unified Air Pollution Control District.
8. No change in the proposed program shall be made without prior approval of this Division.

Blanket Bond

Hal Bopp
State Oil and Gas Supervisor

Engineer Tom Giallonardo
Direct (661) 334-3663
Office (661) 322-4031

By Randy Adams
Randy Adams
Deputy Supervisor

TG/dy

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.

OG111
DT

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

NOTICE OF INTENTION TO DRILL NEW WELL

C.E.Q.A. INFORMATION			
EXEMPT ☐ CLASS ____	NEG. DEC. ☐ S.C.H. NO. ____	E.I.R. ☐ S.C.H. NO. ____	DOCUMENT NOT REQUIRED BY LOCAL JURISDICTION ☒
See Reverse Side			

FOR DIVISION USE ONLY					
MAP	MAP BOOK	CARDS	BOND	FORMS 114	FORMS 121
438	1-12-08				

In compliance with Section 3203, Division 3, Public Resources Code, notice is hereby given that it is our intention to commence drilling well ~~Section 23~~ 242, well type Oil, API No. 030-34833 (Assigned by Division)

Sec. 23, T. 28S, R. 27E, MD B.&M., Kern Front Field, Kern County.

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

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 1169 feet West (Direction) along section ☒ / property ☐ (Check one) line and 2238 feet North (Direction)

at right angles to said line from the Southeast corner of section ☒ / property ☐ (Check one) 23 or

Is this a critical well according to the definition on the next page of this form? Yes ☐ No ☒

If well is to be directionally drilled, show proposed coordinates (from surface location) and true vertical depth at total drilled depth: ____ feet ____ (Direction) and ____ feet ____ (Direction) Estimated true vertical depth 2177'. Elevation of ground above sea level 850 feet. All depth measurements taken from top of Kelly Bushing (Derrick Floor, Rotary Table, or Kelly Bushing) that is 10 feet above ground.

PROPOSED CASING PROGRAM

SIZE OF CASING INCHES API	WEIGHT	GRADE AND TYPE	TOP	BOTTOM	CEMENTING DEPTHS	CALCULATED FILL BEHIND CASING (Linear Feet)
10-3/4"	Conductor		Surf	50'	50'	40'
7"	23#	K-55	Surf	1700'	1700'	1690'
5-1/2"	17#	k-55	1670'	2177'	N/A	Slotted Liner

(A complete drilling program is preferred and may be submitted in lieu of the above program.)

Intended zone(s) of completion Etchegoin, 1700' TVD, 200psi (Name, depth, and expected pressure) Estimated total depth 2177' (Feet)

Chanac, 1800' TVD, 210 psi

It is understood that if changes to this plan become necessary, we are to notify you immediately.

Name of Operator	Type of Organization (Corporation, Partnership, Individual, etc.)	
Vintage Production California, LLC	Corporation	
Address: 9600 Ming Ave Suite 300	City: Bakersfield	Zip Code: 93311
Telephone Number: 661.869.8023	Name of Person Filing Notice: Richard Oringderff	Signature: Richard Oringderff by [illegible] Date: 12-7-07

Vintage Contact: Cathy Patton 661.869.8050

RECEIVED
DEC 12 2007
DIVISION OF OIL & GAS
BAKERSFIELD

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 receipt of the notice, this notice will be considered cancelled.