

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

Field or county Wilmington		District - Cypress (D1)	
Former owner Four Teams Oil Production & Exploration Company, Inc.		Opcode: F1535	Date August 12, 2010
SEE ATTACHMENT			
Description of the land upon which the well(s) is (are) located <p style="text-align: center;">See Attachment</p>			
Date of transfer, sale, assignment, conveyance, or exchange 8/1/2010	New Owner E & B Natural Resources Management Corp.	Operator code E0100	Type of Organization Corporation
	Address 1600 Norris Road Bakersfield, CA 93308		Telephone No. (661) 679-1700
Reported by OG30A received 8/11/2010 signed by both parties			
Confirmed by. Same as above			
New operator new status (status abbreviation) PA	Request Designation of Agent Jeffrey Blesener		
Old operator new status (status abbreviation) PA	Remarks See Operator File		
Deputy Supervisor Kenneth Carlson		Signature  Chris McCullough, Associate Engineer	

OPERATOR STATUS ABBREVIATIONS

	FORM AND RECORD CHECK LIST					
	Form or record	Initials	Date	Form or record	Initials	Date
PA - Producing Active						
NPA - No Potential Active						
PI - Potential Inactive	Form OGD121			Map and Book		
NPI - No Potential Inactive	Well records			Lease Files		
Ab - Abandoned or No More Wells	New well cards			Well Stat		

OGD156 (Modified 1/00)

E & B Natural Resources Mgmt. Corp.

WELL TRANSFER NOTICE

On 12-21-98

XL OPERATING COMPANY

transferred

all wells in the Wilmington field

(See OGD156 dated December 21, 1998 for complete list)

to

FOUR TEAMS OIL PROD. & EXPL., INC.

WELL TRANSFER NOTICE

Effec February 7, 1997

XTRA ENERGY CORPORATION
TRANSFERRED

all wells Wilmington

(See Operator File for Complete List).

TO

XL OPERATING COMPANY

SEE OGD156 DATED 02-7-97

CHECK LIST - RECORDS RECEIVED AND WELL STATUS

Well No. _____

API No. _____ Sec. _____, T. _____, R. _____, B.&M. _____

<u>WORK PERFORMED</u>	<u>STATUS</u>	<u>DATE</u>
Drill _____ Redrill _____ Deepen _____	Producing _____ "E" well Yes <input type="checkbox"/> No <input type="checkbox"/>	
Plug _____ Alter Casing _____	Recompleted Producing _____	
Waterflood _____ Water Disposal _____	Waterflood _____	
Abandon _____	Water Disposal _____	
Other _____	Abandoned _____	
	Other _____	
	MAP AND BOOK _____ Engineer _____	

RECORDS FILED AND DATE Clerk _____

Summary _____

Log and Core _____

History _____

E-log _____

Directional Survey _____

Other _____

(Check records for signature and correct name of operator or well, section, township, range, and field.)

Location _____ Notice states _____

Elevation _____ Notice states _____

Production Reports _____

(If production reports not received, make notation and inform Senior Stenographer when received.)

RECORDS & REQUIREMENTS CHECKED Engineer _____

Surface Inspection _____

Data Needed _____

Request Records _____ OGD170 _____

Correct records _____ OGD165 _____

(Specify)

EDP _____ (OGD42A-1, 2) _____

CARDS _____

BOND _____

Hold _____ Reason _____

Release _____ Date Eligible _____ OGD150 _____

End premium year _____

Release requested _____

Bond superseded _____ (Check One)

Well abandoned _____

Environmental Inspection _____ Engineer _____

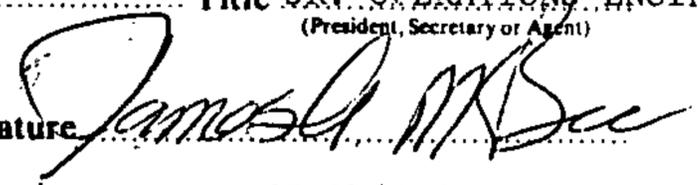
FINAL LETTER _____ OGD159 _____

and
File cleared _____ OGD121 _____

SUBMIT IN DUPLICATE
 RESOURCES AGENCY OF CALIFORNIA
 DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

History of Oil or Gas Well

Operator XTRA ENERGY CORPORATION Field WILMINGTON County LOS ANGELES
 Well "WNF-I" 18 , Sec. 19 , T 45 , R 13 W , SB B. & M.
 A.P.I. No. 037-22853-01 Name JAMES A. McBEE Title SR. OPERATIONS ENGINEER
 Date 9/14/ , 19 89 (Person submitting report) (President, Secretary or Agent)

Signature 

PO BOX 40262, HOUSTON, TEXAS (TX) 77240-0262
 (Address)

(713) 896-2576
 (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 as hole size, formation test details, amounts of cement used, top and bottom of plugs, sidetracked junk, bailing tests and initial production data.

DATE

- 2/01/86 Move in and rig up. Tested blind rams.
- 2/02/86 Changed over to 11# claybase mud. Clean out cmt stringers 4463'-4560'. Drill out cmt 4560'-4626'. Circulate & cond mud. Meas out. RIH w/ 6-1/4 Grant skirted concave mill. Ream 4500'-4626'. Mill to 4646'. Tripping to chg mill @ 6:00 a.m.
- 2/03/86 RIH w/ 6-1/4 Grant skirted concave mill. Worked mill to 4628'. P.O.O.H. RIH w/6-1/4 x 12 Grant hole opener. Locate shoe at 4616'. Work H.O. to 4626'. Stack out w/ nose of H.O. @ 4628'. P.O.O.H. RIH w/ 6-1/4 x 12 H.O. work down to 4626' w/blades. Did not stack out @ 4630'. P.O.O.H.
- 2/04/86 RIH w/ 6-1/4 Grant skirted concave mill to 1500'. P.O.O.H. RIH w/ 7 jts 2-7/8" tbg on 3-1/2" DP to 4620'. Circulate btms up. P.O.O.H. RIH w/Grant section mill to 1000'. Slip drlg line. Cont RIH. Mill 7" 23# csg 4571'-4590'. 19' in 13 hrs @ 6:00 a.m.
- 2/05/86 Milled 7" 23# csg w/ 6-1/4 x 8-3/4 section mill from 4590' to 4608' - 5-1/2 hrs. Made a sawdust sweep @ 4608'. P.O.O.H. RIH w/6" x 12" H.O. to 4571' and underreamed from 4571' to 4610'. Circulate and cond hole for cmt @ 4610'. P.O.O.H. RIH w/ 2-7/8 tbg tail to 4624'. Circulate hole for cmt. Rig up cmtrs. Set K/O plug @ 4624'. Mixed and pumped 100 cf of pre flush, followed by 49 sx class "G" w/20% sd and 1/4% R5. Displaced w/10 cf wtr and 169 cf mud. Calc top cmt @ 4520'. Pulled 10 singles to 4320'. Pumped down wiper plug. Cmt in place at 2:40 a.m. P.O.O.H. RIH w/bit scraper. 7" B/S, 2 DC, B/S, 4 DC's.
- 2/06/86 RIH slowly to 4380'. Circulate and cond mud. RIH to 4571'. No cmt. P.O.O.H. Made up underreamer 6" x 12". RIH to 4571'. Underream 4571'-4608'. Circulate and cond hole at 4608'. P.O.O.H. RIH w/7 jts 2-7/8 tbg tail to 4620'. Circulate and R.U. cmtrs. Mix 100 cf class "G" 20% sd and displaced w/10 cf wtr & 165 cf mud. C.I.P. @ 10:55 p.m. Used B.J. equip. Pulled up 9 stds to 4076' and pumped down wiper plug. P.O.O.H. RIH w/bit, B/S, 2 DC's, B/S, & DC's to 3319'. W.O.C.

RECEIVED
85 SEP 18 PM 1:20
DIVISION OF CALIFORNIA
LONG BEACH, CA

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

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A.P.I. No. _____ Name JAMES A. McBEE Title SR. OPERATIONS ENGINEER
Date 9/14/ , 19 89 (Person submitting report) (President, Secretary or Agent)

Signature *James A. McBee*

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DATE

2/07/86 W.O.C. Tag cmt @ 4318'. Drill out cmt to 4350' & test for DOG. Test good. Drill out cmt to 4572'. Circulate & cond hole. Bring water loss down to 8. P.O.O.H. RIH w/ 6-1/4" bit, mud motor, orienting tool, monel collar 2 DC's, stabilize to 4572'. Fill pipe, orient tool. Mud motor drlg 4572'-4712'. P.O.O.H. (CHAIN OUT).

Surveys: 4612' 30 degree 45' N 41 E
4772' 31 degree 30' N 41 E

7-1/4 hrs rotating time

2/08/86 Drilled 6-1/4" hole 4712'-4742' = 1-1/2 hrs. Circulate 1/2 hr. Pull up inside csg. Cln mud pit. Change over Na Br to NaCl Polymer mud. P.O.H. RIH w/ 8-1/2" Grant blade-type hole opener. Open 6-1/4 hole to 8-1/2" 4571'-4622' = 51' = 3-1/4 hrs. P.O.H. RIH w/12" Grant blade-type H.O. Open 6-1/4" hole to 12" 4622'-4635' = 13' = 12 hrs.

Surveys: 4624' 33 degree 15' N 40 E

7-1/4 hrs rotating time

2/09/86 Open 6-1/4" hole to 12" 4635'-4642' = 6-1/2 hrs. P.O.H. RIH w/6-1/4" bit. Cleanout 6-1/4" hole 4642'-4742' = 1-1/2 hrs. Pull up inside csg @ 4571'. Run to btm. Circulate clean. POH. RIH w/6-1/4" hole x 12" Grant rock H.O. Open 6-1/4" hole to 12" = 4642'-4742' = 9 hrs. Pull up to 4622'. Gauge ream 12" hole to 4642'. RIH to 4742' @ 6:00 a.m. Circulate prep to log. 6-1/2 hrs rotating time.

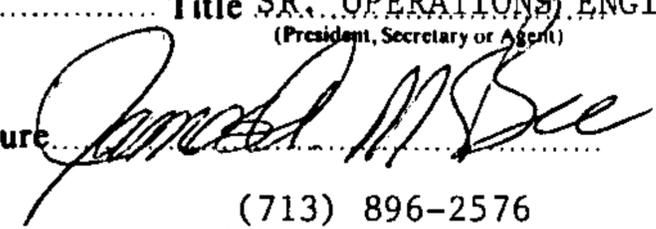
2/10/86 Circulate clean. P.O.H. and run D/A Caliper log. RIH w/6-1/4 x 12 Grant blade H.O. Gauge ream 4622'-4742'. Circulate clean. Spot hi-vis pill. P.O.H. P.U. and run 7 jts. = 235.21' 5" N-80 blank & part'd liner w/3 PC's & lnr hanger. Bull nose @ 4737'. Top of hanger @ 4501'. Set and tested seal w/1000#, O.K. Rel lnr. P.O.H. RIH w/tbg stringer grvl pkg tool w/159' tbg above, XO's & D.P. Locate & test P.C. @ 4620'. Rig gravel pkg machine & g.p. 40 sx dn @ 6:00 a.m.

RECEIVED
89 SEP 18 PM 1:20
DI. STU. OF CALIF.
LONG BEACH, CA

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DATE

- 2/11/86 Gravel packing. Pack off w/800 psi @ 48 spm. 148 sx in place. Reverse circ. Open p.c. @ 4613'. Open p.c. @ 4505' & break circ. P.O.H. RIH w/cmt tool. Back off & locate p.c. @ 4613'. Circulate pump 30 cf water ahead of 46 cf class "G" w/ 1/4% CD 31, 1/2% FL 19 mixed 44% with 10 cf water behind. Slowly displaced w/195 of mud. Cmt in place at 9:15 p.m. Close p.c. @ 4613' @ test 1000 psi. Pull up to 4505'. Close p.c. Test 1000 psi, O.K. Rev circ. Had 5-10 sx returns. Rig down B.J. P.O.H. RIH w/bit scraper to top of 5" @ 4501' Circulate & cond mud. P.O.H.
- 2/12/86 L.D. 4-3/4 DC's. RIH w/4-1/8" bit to 4737' (btm) & circ. R.U. w/ 9 jts 2-3/8" XO & 130 jts. 2-7/8" tbg to 4737'. R.U. injection, spot 14 bbls inj wtr. Displace w/35 bbls mud. Pull up to 4445'. Well flowing. Pump 11.6# mud around to kill well. Nipple down. B.O.P.E. & clean pits. Land tbg at 4445'. Nipple up tbg flange & chg over. Clean pits. Release rig @ 7:00 a.m.
- 2/14/86 MIRU. Well flowing. Pumped away 30 bbls lease wtr to float oil off. Unlanded tbg and installed B.O.P. equipment. Close in till a.m.
- 2/15/86 RIH and taged bottom w/10 jts. Changed over fluid w/220 bbls brine wtr. Closed in till a.m.
- 2/16/86 Bled well down. Pulled tbg. Layed down 2-3/8" tbg. Tested 138 jts 2-7/8" @ 5000# psi. Removed BOP. Flanged up tbg string.
- 2/17/86 Bled well down. Still flowing. Ran pump and rods. Readied well for production. Rigged out.
- 3/22/86 Spotted rig & set mast up. Removed unit. Worked stuck pump free. Pressured tbg to 200 psi. Pulled pump loose & P.O.O.H. with rods & pump. Ran sinker bar on sand line & tag fill @ 4730', bottom @ 4737'. Picked up new black gold pump 2-1/2 x 2 x 48 x 18' RWA t/lock. Ran rods in hole. Spaced well out & filled tbg. Installed unit. Layed rig down & moved off.

RECEIVED
89 SEP 16 PM 1:28
G. V. S. J. Co. - Ltd.
LONG BEACH, CA

DIVISION OF OIL AND GAS

Report on Operations

SEC. 3606 WELL

Parker B. Kemp, Agent
XTRA ENERGY CORPORATION
P.O. Box 9
Long Beach, CA 90801

Long Beach, Calif.
March 31, 1986

Your operations at well "WNF-I" 18, API No. 037-22853-01,
Sec. 19, T. 4S R. 13W S.B.B. & M. Wilmington Field, in Los Angeles County,
were witnessed on 2-6-86. M. Saw, Engineer, representative of
the supervisor, was present from 0830 to 0900. There were also present T. Oliveriol,
Drilling Foreman

Present condition of well: 10-3/4" cem 603'; 7" cem 4620', cp 4307', perf 4607' WSO, milled
4571'-4608', tight 3802'; 5" ld 4743', perf 4589'-4737', bad 4629', pulled fr 4626'.
TD 4765'. Plugged cem 4626'-4318'.

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

DECISION: APPROVED.

NOTE: DEFICIENCIES TO BE CORRECTED
NONE

DEFICIENCIES CORRECTED
Pump stroke counter was not hooked up.

CONTRACTOR: Well Tech, Inc.

MS:mh

cc: Update

M. G. MEFFERD
State Oil and Gas Supervisor
By [Signature]
Deputy Supervisor
for V. F. Gaede

to 2/19/86

DIVISION OF OIL AND GAS
BLOWOUT PREVENTION EQUIPMENT MEMO

T 186-412

Operator Xtra Energy Co. Well "WNF-I" 18. Field Torrance County Los Angeles

VISITS: Date 2/6/86 Engineer M. Saw Time 0830 to 0900 Operator's Rep. T. Oliverio Title D.F.
 1st _____ 2nd _____

Casing record of well: 10 3/4" cem 603' ; 7" cem 4620', cp 4307', perf 4607' NSD, milled 4571'-4608',
light 3802; 5" id 4571'-4743', perf 4589'-4737', bad 4629', pulled fr 4626' TD 4765'.
Phased / 00/220' of cem below 4619' 4626' - 4318'.

OPERATION: Testing (inspecting) the blowout prevention equipment and installation.
DECISION: The blowout prevention equipment and its installation on the 7" casing are approved.

REQUIRED BOPE CLASS: III B2M

Proposed Well Opns: Redrill. MPSP: _____ psi
 Hole size: _____" fr. _____' to _____' & _____" to _____'

CASING RECORD (BOPE ANCHOR STRING ONLY)					Cement Details					Top of Cement																																																																																																																													
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HOLE FLUID MONITORING EQUIPMENT																																																																																																																																							
Alarm Class																																																																																																																																							
<input checked="" type="checkbox"/> Calibrated Mud Pit																																																																																																																																							
<input checked="" type="checkbox"/> Pit Level Indicator																																																																																																																																							
Pump Stroke Counter																																																																																																																																							
Pit Level Recorder																																																																																																																																							
Flow Sensor																																																																																																																																							
Mud Totalizer																																																																																																																																							
Calibrated Trip Tank																																																																																																																																							
Other: _____																																																																																																																																							
					REMARKS: <u>7" csg milled 4571' - 4608'</u>																																																																																																																																		
					<u>with fbg @ 4620', 100 cf 'G' @ 20' sand. Top of Cement @ 4318'.</u>																																																																																																																																		
					Hole Fluid Type			Weight			Storage Pits																																																																																																																												
					<u>clay base mud</u>			<u>11.5</u>			<u>190 bbls</u>																																																																																																																												

(213) - 549 - 9419

DEFICIENCIES—TO BE CORRECTED

None

DEFICIENCIES—CORRECTED

Pump stroke counter was not
hooked up.

CONTRACTOR

Well Tech, Inc.

PERMIT TO CONDUCT WELL OPERATIONS

SEC. 3606 WELL

849
(field code)
03
(area code)
20
(new pool code)
20
(old pool code)

Parker B. Kemp, Agent
XTRA ENERGY CORPORATION
P.O. Box 9
Long Beach, CA 90801

Long Beach, California
February 7, 1986

Your supplementary proposal to redrill well "WNF-I" 18,
A.P.I. No. 037-22853-01, Section 19, T. 4S, R. 13W, S.B. B. & M.,
Wilmington field, Fault Block I, Onshore area, Ranger pool,
Los Angeles County, dated 2-4-86, received 2-4-86 has been examined in conjunction with records
filed in this office.

THE PROPOSAL IS APPROVED PROVIDED:

1. THIS DIVISION SHALL BE NOTIFIED TO:
 - a. Witness a test of the installed blowout prevention equipment prior to drilling below 4571'.
 - b. Witness a test of the effectiveness of the 5" shutoff at 4607'.
2. In all other respects the well shall be redrilled in accordance with the provisions set forth in our report No. P 186-69, dated January 29, 1986.

→ 11/10/89 C.D.O.G. never notified. office w/o shows normal water cut. *JS*

HRO:mh

cc: Update
EDP

BLANKET BOND

Engineer Herman R. Olilang
Phone (213) 590-5311

M. G. MEFFERO, State Oil and Gas Supervisor
By *[Signature]*
for V. F. Gaede, Deputy Supervisor

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.

DIVISION OF OIL AND GAS

SUPPLEMENTARY NOTICE *to redrill*

OG

FOR DIVISION USE ONLY			
BOND	FORMS		EDP WELL FILE
	OGD114	OGD121	
<i>BB</i>	<i>2-4-86</i>	<i>2-4-86</i>	<input checked="" type="checkbox"/>

DIVISION OF OIL AND GAS

Long Beach Calif.

A notice to you dated January 17, 1986, stating the intention to

redrill "WNF-1" 18, API No. 037-22853,

(Drill, rework, abandon) -- (Well name and number)

Sec. 19, T. 4S, R. 13W, SB B. & M., Wilmington Field,

Los Angeles County, should be amended because of changed conditions.

The present condition of the well is as follows:

Total depth 4743' TD
4626' Top of liner fish
Complete casing record including plugs and perforations

<u>10 3/4"</u>	<u>40.5#</u>	<u>cemented @ 603'</u>
<u>7"</u>	<u>23#</u>	<u>cemented @ 4620'</u>
<u>5"</u>	<u>18#</u>	<u>liner fish, top @ 4626'</u>

We now propose Mill window in 7" 4571'-4601', abandon old hole & set kick out plug; drill to 4745 + ; open hole; run gravel pack and cement 5" liner lap as directed; run Gamma Ray log; demonstrate WSO @ 4607 +

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

Address 2501 Cherry Avenue, Suite 270
(Street)

Signal Hill, CA 90806
(City) (State) (Zip)

Telephone Number (213) 424-8549

Xtra Energy Corporation
(Name of Operator)

Type of Organization Corporation
(Corporation, Partnership, Individual, etc.)

By Parker B. Kemp 2-4-86
(Name) (Date)

Signature *Parker B. Kemp*

RECEIVED
FEB 4 1 58 PM '86
DIV. OF OIL AND GAS
LONG BEACH, CA.

DIVISION OF OIL AND GAS

CHECK LIST - RECORDS RECEIVED AND WELL STATUS

Company XTRA ENERGY CORP. Well No. "WNE-1" 18
 API No. 037-22853-01 Sec. 19, T. 4S, R. 13W, S.B. B.&M.
 County LOS ANGELES Field WILMINGTON

RECORDS RECEIVED	DATE	
Well Summary (Form OGD100)		
History (Form OGD103)	<u>1-27-86</u>	<u>2</u>
Core Record (Form OGD101)		
Directional Survey		
Sidewall Samples		
Other		
Date final records received		
Electric logs:		

STATUS	STATUS
Producing - Oil	Water Disposal
Idle - Oil	Waterflood
Abandoned - Oil	Steamflood
Drilling - Idle	Fire Flood
Abandoned - Dry Hole	Air Injection
Producing - Gas	Gas Injection
Idle - Gas	CO2 Injection
Abandoned - Gas	LPG Injection
Gas-Open to Oil Zone	Observation
Waterflood Source	
DATE	"E" well Yes <input type="checkbox"/> No <input type="checkbox"/>
RECOMPLETED	
REMARKS	

ENGINEER'S CHECK LIST

- Summary, History, & Core record (dupl.)
- Electric Log
- Operator's Name
- Signature
- Well Designation
- Location
- Elevation
- Notices *
- "T" Reports *
- Casing Record
- Plugs
- Surface Inspection
- Production
- E Well on Prod. Dir. Sur.

CLERICAL CHECK LIST

- Location change (F-OGD165)
- Elevation change (F-OGD165)
- Form OGD121
- Form OGD159 (Final Letter)
- Form OGD150b (Release of Bond)
- Duplicate logs to archives
- Notice of Records due (F-OGD170)
- EDP (F-OGD42A-1, 2)

* > worked done w/o DOG Prior approval

RECORDS NOT APPROVED

Reason: _____

RECORDS APPROVED RHA 7-16-87

RELEASE BOND _____
 Date Eligible _____
 (Use date last needed records were received.)
 MAP AND MAP BOOK N/C

CHECK LIST - RECORDS RECEIVED AND WELL STATUS

Well No. _____

API No. _____ Sec. _____, T. _____, R. _____, _____ B.&M.

<u>WORK PERFORMED</u>	<u>STATUS</u>	<u>DATE</u>
Drill _____ Redrill _____ Deepen _____	Producing _____ "E" well Yes <input type="checkbox"/> No <input type="checkbox"/>	
Plug _____ Alter Casing _____	Recompleted Producing _____	
Waterflood _____ Water Disposal _____	Waterflood _____	
Abandon _____	Water Disposal _____	
Other _____	Abandoned _____	
	Other _____	
	MAP AND BOOK _____ Engineer _____	

RECORDS FILED AND DATE Clerk _____

Summary _____

Log and Core _____

History _____

E-log _____

Directional Survey _____

Other _____

(Check records for signature and correct name of operator or well, section, township, range, and field.)

Location _____ Notice states _____

Elevation _____ Notice states _____

Production Reports _____

(If production reports not received, make notation and inform Senior Stenographer when received.)

RECORDS & REQUIREMENTS CHECKED Engineer _____

Surface Inspection _____

Data Needed _____

Request Records _____ OGD170 _____

Correct records _____ OGD165 _____

(Specify)

EDP _____ (OGD42A-1, 2) _____

CARDS _____

BOND _____

Hold _____ Reason _____

Release _____ Date Eligible _____ OGD150 _____

End premium year _____

Release requested _____

Bond superseded _____ (Check One)

Well abandoned _____

Environmental Inspection _____ Engineer _____

FINAL LETTER _____ OGD159 _____

and _____

File cleared _____ OGD121 _____

SUBMIT IN DUPLICATE
RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

History of Oil or Gas Well

Operator Xtra Energy Corporation Field or County Wilmington
Well "WNF-1" 18 Sec. 19, T. 4S, R. 13W, B. & M.
A.P.I. No. 037-22853-01 Name Parker B. Kemp Title Production Manager
Date January 24, 1986 (Person submitting report) (President, Secretary or Agent)

Signature *Parker B. Kemp*

2501 Cherry Avenue, Suite 270, Signal Hill, CA 90806
(Address)

(213) 424-8549
(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 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

See Attached

CR
EVE
1.1.86

RECEIVED
JAN 27 9 00 PM '86
DIV. OF OIL AND GAS
LONG BEACH, CA.

XTRA ENERGY CORPORATION
MAY 1985

- 5-7-85 W-18 - Drove rig to location, set mast up and removed hydraulic pumping unit. Pulled pump out of shoe, bled casing down. Tbg. would not bleed down. Shut tbg. in and pressure went from 0 to 150 psi in 90 seconds. Let well flow into test line for two hours. Shut tbg. in and pressure went back up. Had vacuum truck pull on returns. Installed 2" valve on production line. Tried to bleed tbg down into vacuum truck. Well still flowed. Shut rig down and let well flow over night. Well was still flowing. Clamped polished rod off. Loaded out equipment. Layed rig down and moved off. COOPER & BRAIN, RIG HOURS 9
- 5-9-85 W-18 - Set mast up, pulled & worked on stuck pump for 1-1/2 hours, could not pull pump loose. Backed rods off, pulled out 8 singles of 3/4" rods, stripped off production tree and pulled head loose. Landed BOP. Stripped out a total of 42 jts. 2-7/8" tbg. and 54 singles of 3/4" rods. Getting bad breaks on rod string, hit fluid with 21 stands out. Shut well in till A.M.
- 5-10-85 W-18 - Bled well down. Pulled and stripped well out of hole. Checked pump out and found fine sand in pump, made up sinker bar on sand line, ran in to 3000', sandline floating in hole P.O.O.H. and shut well in. Hauled in 8 jts. of 2-3/8" tbg. to well. Shut down till A.M.
- 5-11-85 W-18 - Bled well down, measured and picked up 8 jts. 2-3/8" tbg. Rigged up Hydro-Test, measured and ran in and tested 144 jts. of 2-7/8" tbg. @ 5000 psi. Rigged tester down. Tag fill or sand plug at 4272'. Landed circ. head. Rigged up mud pump and filled tank, changed well over with lease water at 4114', closed well in till Monday morn.

RECEIVED
JAN 27 2 00 PM '86
DIV. OF OIL AND GAS
LONG BEACH, CA.

XTRA ENERGY CORPORATION
MAY 1985

- 5-13-85 W-18 - Bled well down. Circ. heavy oil out of hole, found tbg. plugged at 4114', unplugged tbg., cleaned out water, sand from 4114' to 4240', fell thru bridge from 4240' to 4366', cleaned out sand from 4366' to 4493', fell thru bridge from 4493' to 4600', cleaned out from 4600' to 4619', recovered some formation at 4619', started pulling out of liner, bottom two 2-3/8 collars hung up at 4548', had to pull 15,000 lbs over tbg. weight to pull loose. Free going down. Bad liner top. Pulled out 13 stands & shut well in till A.M.
- 5-14-85 W-18 - Casing pressure was 575 psi, bled well down. Ran in and tag fill at 4629', no fill came in over night. P.O.O.H. with tbg. Layed down 2-3/8" EUE tbg. Picked up 8 jts. of 2-3/8" FJ tbg. Ran 2-7/8" tbg. in hole. Backscuttled hole from 4619' to 4629', could not make any hole past 4629'. No sand on returns, bad liner at 4629', pulled out 29 stands 2-7/8" tbg. and shut well in till A.M.
- 5-15-85 W-18 - Well would not bleed down, changed well over with water. P.O.O.H. and layed down 2-3/8" FJ tbg., made up Baker 7" full bore test packer with a 6-1/4" Cavins Imp. block on bottom of packer. Ran in 1200' of 2-7/8" tbg and well started flowing oil over the top. Closed well in, circ oil pad out of casing. Cont. running tbg. Tag liner top at 4547' with I.B. Pulled up and set pkr. and tested casing from 4542' to surface at 1000 psi. Tested OK. Bled well down. Pulled out 15 stands 2-7/8" tbg. and well started blowing out of tbg. Closed well in till A.M.

RECEIVED
JAN 27 2 00 PM '86
DIV. OF OIL AND GAS
LONG BEACH, CA.

XTRA ENERGY CORPORATION
MAY 1985

- 5-16-85 W-18 - Well would not bleed down, casing had 500 psi, pumped and changed well over with 120 bbls. of 11.6 Calcium Chloride solution. Pulled out of hole w/2-7/8" tbg. and packer and 6-1/4" Imp. block. IB showed good liner top. Ran tbg. back in hole and tag bad spot in liner at 4629' no fill came in. P.O.O.H. made up 4" IMP block on 2-3/8" tbg., ran in 2-7/8" tbg., tag bad spot at 4629', pulled out 15 stands of 2-7/8" tbg and closed well in till A.M.
- 5-17-85 W-18 - Floated oil off of casing. P.O.O.H. with tbg and 4" Imp. block. I.B. showed bad liner at 4629'. Ran in 40 jts. 2-7/8" kill string. Closed well in till Monday morn.
- 5-20-85 W-18 - Pumped and floated oil out of casing. P.O.O.H. with 2-7/8" tbg., made up 5" 18# spear, bumper sub and hydraulic jars. Picked up 4 -4-3/4 drill collars, ran tbg. in hole, jarred and pulled on 5" liner for 5 hours, Liner pulled free. P.O.O.H. w/2-7/8" tbg. and drill collars. Recovered hanger, port collar, blank, tell tale and 5" clr., total recovery = 79.12'. Fish in hole: 1.61 nipple and screen liner, top of fish at 4626'. Ran in kill string and closed well in till A.M.
- 5-21-85 W-18 - Bled well down. Pumped and floated oil off of casing. P.O.O.H. Layed down drill collars and tools. Made up 45 degree tail joint and ran tbg. in hole and tag liner at 4626', no fill, pulled up to 4525', changed well over w/150 bbls. of salt water. Pulled out 23 jts. 2-7/8" tbg. and closed well in till A.M.
- 5-22-85 W-18 - Bled well down. Ran in and tag fill at 4606', 7" shoe at 4620'. Cleaned out fill from 4606' to 4626' top of 5" liner. Pulled tbg. up to 4619', rigged up B-J Cementers, established break down 6 bbls per min at 1000 psi, pumped and mixed 35 sx of class "G" cement, displaced tbg. with fresh water, Pulled tbg. up to 3894', shut casing in and down squeezed 22 c.f. of cement past (7" shoe 4620'), final pressure on squeeze 1500 psi, shut well in till A.M. Rigged out B-J.

XTRA ENERGY CORPORATION
MAY 1985

5-23-85

W-18 - Checked tbg. and csg. pressure 1200 psi, bled well down. Ran in and tag top of cement at 4560' = 60' plug to 7" shoe, ran in 124 -3/4" rods, pulled and layed down 124 - 3/4" rods, pulled and stood back 10 stands of 2-7/8" tbg. Pulled and layed down 124 jts of 2-7/8" tbg. Ran in 2-7/8" gas anchor and 20 jts 2-7/8" tbg., stripped off BOP, landed head and production tree. Tbg. landed at 661.59, closed well in. Loaded out mud pump and equipment. Laid rig down. Cleaned up location and moved off.

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

Long Beach California January 27 19⁸⁶

John D. Carmichael, Agent
XTRA ENERGY CORPORATION
Box "9"
LONG BEACH, CA 90801

I have received your notice dated January 17, 19⁸⁶, of your intention

to redrill "WNF-1" 18 (037-22853-01)
(Well name and number)

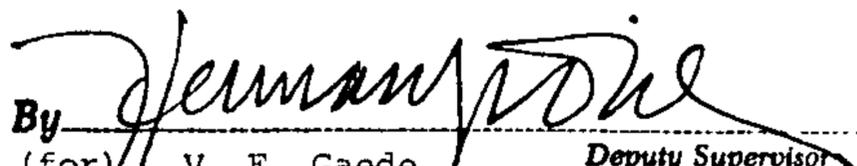
Sec. 19, T. 4S, R. 13W, S.B. B. & M.

This notice indicates that the 5" liner had been pulled at a certain depth and plugged with 35 sx cement without prior approval from this division.

Therefore, your notice to redrill cannot be considered until the history of the above mentioned work has been filed with our office for this well.

Operations should not begin until the approval of this division has been received.

M. G. MEFFERD
State Oil and Gas Supervisor

By 
(for) V. F. Gaede, Deputy Supervisor

05

DIVISION OF OIL AND GAS

Notice of Intention to Rework Well

This notice and indemnity or cash bond shall be filed, and approval given, before rework begins. If operations have not commenced within one year of receipt of the notice, this notice will be considered cancelled.

Redrill - 01

FOR DIVISION USE ONLY		
BOND	FORMS	
	OGD 114	OGD 121
<i>BB</i>	<i>1-22-86</i>	<i>1-22-86</i>

DIVISION OF OIL AND GAS

In compliance with Section 3203, Division 3, Public Resources Code, notice is hereby given that it is our intention to rework well WNF-1" 18, API No. 037-22853
(Well designation)
 Sec. 19, T. 4S, R. 13W, SB B. & M., Wilmington Field, Los Angeles County.

The present condition of the well is as follows:

- Total depth 4765'
- Complete casing record, including plugs and perforations
 - 10 3/4", 40.5#, K-55, 603'
 - 7", 23#, K-55, 4620', plug top at 4560' *
 - 5", 18#, N-80, 4626'-4743' (liner fish)

* hole plugged with 35 sacks cement
- Present producing zone name plugged; Zone in which well is to be recompleted Ranger
- Present zone pressure 1585 ±; New zone pressure 1585 ±
- Last produced 5-7-85 20 7 ----
(Date) (Oil, B/D) (Water, B/D) (Gas, Mcf/D)
 (or)
 Last injected _____
(Date) (Water, B/D) (Gas, Mcf/D) (Surface pressure, psig)

The proposed work is as follows:

Sidetrack and redrill well from the shoe of 7" casing
Program attached

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

Address 2501 Cherry Avenue, Suite 270
(Street)
Signal Hill CA 90806
(City) (State) (Zip)
 Telephone Number 424-8549

CV
CV2
 Xtra Energy Corporation
(Name of Operator)
 By Parker B. Kemp
(Print Name)
Parker B. Kemp 1-17-86
(Signature) (Date)

RECEIVED
JAN 21 1 42 AM '86
DIV. OF OIL AND GAS
LONG BEACH, CA.

XTRA ENERGY CORPORATION

PROGRAM FOR REDRILLING

WNF-I # 18

REFERENCE POINT:

K.B. which is 22' above G.E.

ELEVATION:

38' G.E. + 22' K.B. = 60'

CASING:

10-3/4", 40.5# cemented @ 603'
7 " , 23# . cemented @ 4620'
5 " liner fish, top @ 4626'
2-7/8" tubing hung @ 662' (33 joints)

PLUG:

35 sacks "G" cement, top of plug @ 4560'

PROPOSAL:

Side track hole and redrill well from the shoe of the 7" casing.

PROCEDURE:

1. Move in rotary equipment. D.O.G. to witness BOP tests. BOP equipment to be Class III.
2. Pick up 3-1/2" drill pipe and run in hole with 6-1/4" bit and 4-3/4" drill collars. Circulate with 74#/cu. ft. polymer mud.
3. Drill out cement from 4560' to 4625'. Circulate clean and pull out of the hole.
4. Run in hole with a 6-1/4" skirted mill. Mill out stainless steel liner from 4626' to 4650'.
5. Set 35 sacks densified cement plug from 4650' to 4600'.
6. Side track old hole using Dynadril.
7. Drill a 6-1/4" hole to 4745'.
8. Open 6-1/4" hole to 12" being careful not to hit the old liner stub @ 4650'.
9. Run 5" slotted liner as directed.
10. Gravel pack liner with 10-16 mesh gravel.
11. Set drive on lead seal, change well over to lease water and move off.

JDC:bc
6-20-85

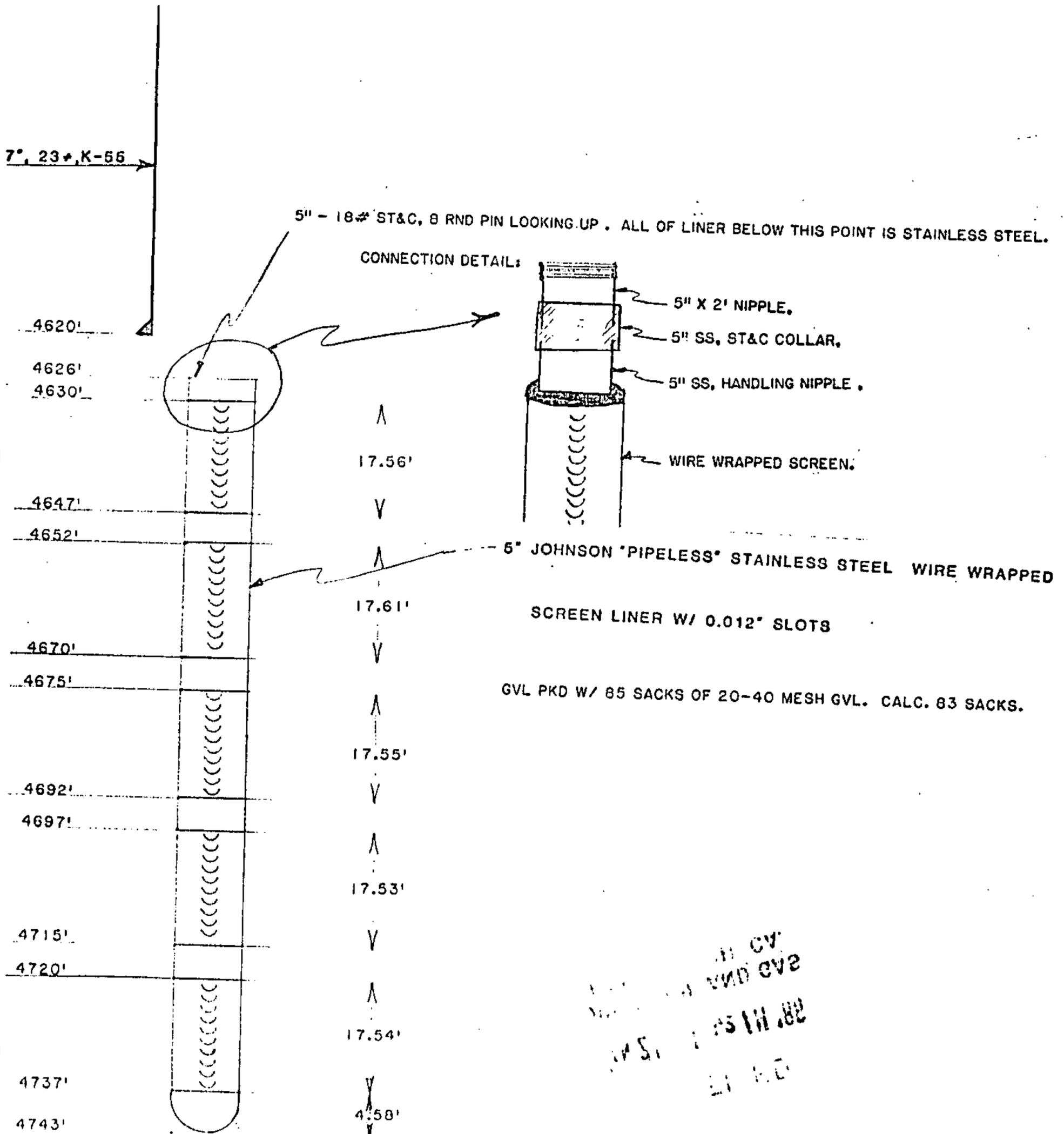
FORWARDED
DIA. O. P. AND C. V.
JUN 21 1985
RECEIVED

RECEIVED
JAN 21 1 42 AM '86
DIV. OF OIL AND GAS
LONG BEACH, CA.

XTRA ENERGY CORP.

LINER DETAIL

WELL NO. 18



RECEIVED
JAN 21 1 42 AM '86
DIV. OF OIL AND GAS
LONG BEACH, CA.

H01

"WHF-I" 18

need history
in pulled 5" liner
& plug operations.

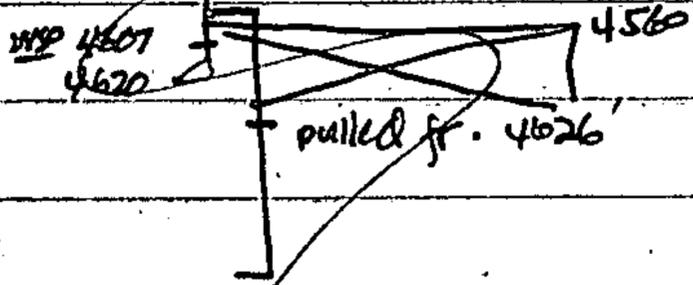
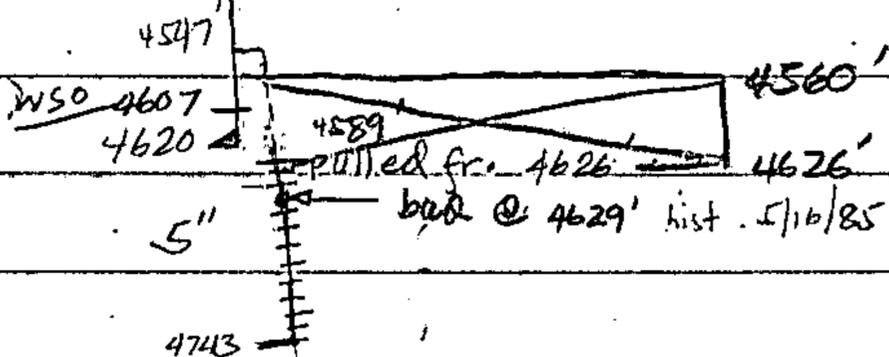
10 3/4"

603

H0 | Mr. Kemp 1/23/86

7'

(not in history?) CP 4307



DIVISION OF OIL AND GAS

CHECK LIST RECORDS RECEIVED AND WELL STATUS

Company Otra Energy Corp Well No. "WNF-I" 18
 API No. 037-22853 Sec. 19 T. 4S, R. 13W, SB B.&M.
 County _____ Field Wilmington

RECORDS RECEIVED	DATE
Well Summary (Form OGD100)	<u>9/12/83</u> (2)
History (Form OGD103)	<u>9/13/83</u> (2)
Core Record (Form OGD101)	
Directional Survey	<u>9/12/83</u> (2)
Sidewall Samples	
Other	
Date final records received	
Electric logs:	
<u>Dist. Induct 245</u>	<u>9/7/83</u> (1)
<u>elec. mag.</u>	<u>9/7/83</u> (1)
<u>Comp neutron</u>	<u>9/7/83</u> (2)

STATUS	STATUS
Producing - Oil	<input checked="" type="checkbox"/> Water Disposal
Idle - Oil	Water Flood
Abandoned - Oil	Steam Flood
Drilling - Idle	Fire Flood
Abandoned - Dry Hole	Air Injection
Producing - Gas	Gas Injection
Idle - Gas	CO2 Injection
Abandoned - Gas	LPG Injection
Gas-Open to Oil Zone	Observation
Water Flood Source	
DATE	<u>5-11-83</u>
RECOMPLETED	
REMARKS	

- ENGINEER'S CHECK LIST**
- Summary, History, & Core record (dupl.)
 - Electric Log
 - Operator's Name _____
 - Signature _____
 - Well Designation _____
 - Location _____
 - Elevation _____
 - Notices
 - "T" Reports
 - Casing Record _____
 - Plugs _____
 - Surface Inspection _____
 - Production _____
 - E Well on Prod. Dir. Sur.

- CLERICAL CHECK LIST**
- Location change (F-OGD165) _____
 - Elevation change (F-OGD165) _____
 - Form OGD121 _____
 - Form OGD159 (Final Letter) _____
 - Form OGD150b (Release of Bond) _____
 - Duplicate logs to archives _____
 - Notice of Records due (F-OGD170) _____

UPDATE CENTER 1/26/84

RECORDS NOT APPROVED
 Reason: _____

RECORDS APPROVED TJ 1-12-84
 RELEASE BOND _____
 Date Eligible _____
 (Use date last needed records were received.)
 MAP AND MAP BOOK 0131 ES1 1/12/84

CHECK LIST - RECORDS RECEIVED AND WELL STATUS

Well No. _____

API No. _____ Sec. _____, T. _____, R. _____, _____ B.&M.

<u>WORK PERFORMED</u>	<u>STATUS</u>	<u>DATE</u>
Drill _____ Redrill _____ Deepen _____	Producing _____	
Plug _____ Alter Casing _____	Recompleted Producing _____	
Water Flood _____ Water Disposal _____	Water Flood _____	
Abandon _____	Water Disposal _____	
Other _____	Abandoned _____	
	Other _____	
	MAP AND BOOK _____ Engineer _____	

RECORDS FILED AND DATE Clerk _____

Summary _____

Log and Core _____

History _____

E-log _____

Directional Survey _____

Other _____

(Check records for signature and correct name of operator or well, section, township, range, and field.)

Location _____ Notice states _____

Elevation _____ Notice states _____

Production Reports _____

(If production reports not received, make notation and inform Senior Stenographer when received.)

RECORDS & REQUIREMENTS CHECKED Engineer _____

Surface Inspection _____

Data Needed _____

Request Records _____ OGD170 _____

Correct records _____ OGD165 _____

(Specify)

CARDS _____

BOND _____

Hold _____ Reason _____

Release _____ Date Eligible _____ OGD150 _____

End premium year _____

Release requested _____

Bond superseded _____ (Check One)

Well abandoned _____

Environmental Inspection _____ Engineer _____

FINAL LETTER _____ OGD159 _____

and
File cleared _____ OGD121 _____

WELL SUMMARY REPORT

Operator Xtra Energy Corporation		Well NO. 18 "WAF-I" 18			
Field Wilmington		County Los Angeles	Sec. 19	T. 4S	R. B.&M. 13W S.B.
Location (Give surface location from property or section corner, street center line and/or California coordinates) 131' North and 145' East from the Southwest corner of the property which is the Northeast corner of Main St. and the AT & SF right-of-way.					Elevation of ground above sea level 38'

Commenced drilling (date) April 16, 1983	Total depth			Depth measurements taken from top of:	
	(1st hole) 4765'	(2nd)	(3rd)	<input type="checkbox"/> Derrick Floor	<input type="checkbox"/> Rotary Table
Completed drilling (date) May 12, 1983	Present effective depth 4765'			Which is 22 feet above ground	
Commenced producing (date) 6/22/83	Junk			GEOLOGICAL MARKERS	
<input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas lift				"F" Marker	
Name of producing zone(s) Ranger	Formation and age at total depth				

	Clean Oil (bbl per day)	Gravity Clean Oil	Percent Water including emulsion	Gas (Mcf per day)	Tubing Pressure	Casing Pressure
Initial Production	47	14	13	0	50	50
Production After 30 days	22	14	35	0	50	50

CASING RECORD (Present Hole)								
Size of Casing (API)	Top of Casing	Depth of Shoe	Weight of Casing	Grade and Type of Casing	New or Second Hand	Size of Hole Drilled	Number of Sacks or Cubic Feet of Cement	Depth of Cementing (if through perforations)
10 3/4"	Surf	603'	40.5#	K-55	New	14 3/4"	450 sx	
7"	Surf	4620'	23#	K-55	New	9 7/8"	445 sx	
5"	4547'	4743'	18#	N-80	New	9 7/8"	-12" Gvl Packed	

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

5" Johnson "Pipeless" Stainless Steel Wire Wrapped Screen w/0.012" slots.
Gravel packed w/ 85 sx 20-40 mesh gravel (See liner detail attached.)

Was the well directionally drilled? If yes, show coordinates at total depth

Yes No **2280' North & 1351' East at 4765'** TVD = 3779'

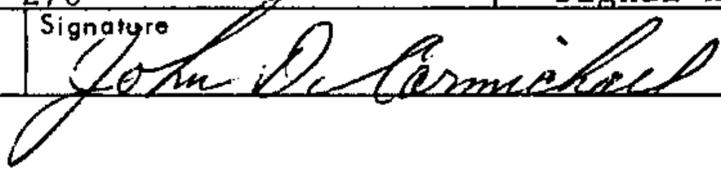
Electrical log depths

4762' to 603'

Other surveys

FDC/CNL/GR/EPT

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 Xtra Energy Corporation		Title Senior Vice President	
Address 2501 Cherry Avenue Suite 270		City Signal Hill	Zip Code 90806
Telephone Number (213) 424-8549	Signature 		Date 9-8-83

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LONG BEACH, CA.

SUBMIT IN DUPLICATE
REBOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

History of Oil or Gas Well

Operator.....XTRA ENERGY CORPORATION..... Field Wilmington..... County Los Angeles.....
Well.....~~WNF-I~~ 18....., Sec. 19., T. 4S., R. 13W.,..... B. & M.
A.P.I. No. 037-22853..... Name John D. Carmichael..... Title Senior Vice President
Date April 19,....., 19 83..... (Person submitting report) (President, Secretary or Agent)

Signature.....

John D. Carmichael

2501 Cherry Avenue Suite 270, Signal Hill CA 90806

(Address)

(213) 424-8549

(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 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	Description
4-16-83	MI from well No. 19, RU, spud in @ 7 P.M. Drld 14-3/4" hole fr 60' to 380', RT for Dynadril @ 6 A.M. SS @ 380', 45', S 74° W, hole is 1' rt & 0.5' lo. CB mud wt 74#/CF, Vis 48", WL 6.1 cc, Cake 2/32", Solids 11.5%, Sand 4.0%, 11,000 ppm Cl, Oil 4.0%, pH 9.0.
4-17-83	Dynadrld 9-7/8" hole fr 380' to 615', RT for hole opnr, opnd hole to 14-3/4", C & C mud, POH, H & H Tong Serv ran 20 jts 10-3/4", 40.5#, K-55 csg, shoe @ 603', Ran stab in, pmpd 100 CF wtr, 300 sx "G" cmt mxd 1:1:4, 150 sx "G" neat cmt, good cmt rtns, all cmt mxd w/2% CaCl ₂ , rmvd conductor, cut off 28.0' of csg, weld on 10-3/4" well head, now N/U BOP @ 6 A.M. SS @ 572', 11° 15', N 32° 30' E, hole is 2.5' rt & 4' hi. CB mud wt 74#/CF, Vis 44", WL 8.0cc, Cake 2/32", Solids 11.5%, Sand 0.5%, 2500 ppm Cl, Oil 2.0%.
4-18-83	N/U BOP, test to 1000 psi, OK by DOG, RIH w/9-7/8" bit, C/O cmt fr 550' to 617', C & C mud, POH, RIH w/ Dynadril, orientate, Dynadrlg & surveying fr 617' to 895' @ 6 A.M. SS @ 789', 22°, N 30° E, hole is 8.5' rt & 14.5' hi. CB mud wt 71#/CF, Vis 47", WL 10.0 cc, Cake 2/32", Solids 8.1%, Sand 1.0%, 2700 ppm Cl, Oil 1.0%.
4-19-83	Cont'd Dynadrlg & surveying fr 895' to 1019', RT for angle bldg assy, cont'd drlg & surveying to 1407', RT for locked up assy, drld & surveyed to 2022', now RT for Dynadril @ 6 A.M. SS @ 2022', 39° 15', N 26° 30' E, hole is 35' left & 1' low. CB mud wt 71#/CF, Vis 44", WL 8.1 cc, Cake 2/32", Solids 8.0%, Sand 1.0%, 1300 ppm Cl, Oil - trace, pH 9.
4-20-83	Fin RIH w/Dynadril, drld & surveyed fr 2022' to 2154', RT for locked up drlg assy, drld to 2294', RT for Dynadril, drld to 2433' @ 6 A.M. SS @ 2388', 44° 30', N 32° 30' E, hole is 43.5' left & 4' lo. CB mud wt 70#/CF, Vis 45", WL 5.8 cc, Cake 2/32", Solids 7.5%, Sand 0.5%, 1000 ppm Cl, Oil - trace, pH 9.8.
4-21-83	Circ out, POH w/Dynadril, RIH w/locked up drlg assy, drld & surveyed 9-7/8" hole fr 2433' to 2997', circ, RT for stab blade chng & bit, cont'd drlg to 3202' @ 6 A.M. SS @ 3202', 46° N 34° E, hole is 23' left & 16' hi. CB mud wt 72#/CF, Vis 48", WL 4.2 cc, Cake 1/32", Solids 9.5%, Sand 0.5%, 1000 ppm Cl, Oil 7.0%, pH 10.0.

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- 4-22-83 Cont'd drlg & surveying 9-7/8" hole fr 3202' to 3784', RT for angle dropping assy, now drlg @ 3986' @ 6 A.M. SS @ 3877' 43°, N 33° E, hole is 7' rt & 31.5' hi. CB mud wt 73#/CF, Vis 46", WL 4.6 cc, Cake 1/32", Solids 10.0%, Sand 0.5%, 950 ppm Cl, Oil 5.0%, pH 9.7.
- 4-23-83 Cont'd drlg & surveying 9-7/8" hole fr 3986' to 4754', C & C mud @ 6 A.M. SS @ 4742', 26° 15', N 34° 30' E, hole is 38.5' rt & 7.5' lo. CB mud wt 75#/CF, Vis 46", WL 4.4 cc, Cake 1/32", Solids 11.5%, Sand 0.25%, 950 ppm Cl, Oil 10%, pH 9.5.
- 4-24-83 POH, meas out, RIH w/new bit, drld fr 4754' to 4765', C & C mud for logs, POH, Sch ran dual ind, density, GR, CNL, Cyber look & EPT-ML logs, RIH to 4765', C & C mud for csg, now POH & LD DP @ 6 A.M. CB mud wt 74#/CF, Vis 45", WL 4.0 cc, Cake 1/32", Solids 10.0%, Sand 0.25%, 950 ppm Cl, Oil 9.0%, pH 9.4.
- 4-25-83 Fin LD DP, H & H Tong Serv ran 131 jts 7", 23#, K-55 Buttress csg, shoe @ 4620', FC @ 4550', B-J cmtrs cmted csg as follows: 100 CF wtr, 80 CF mud sweep, 345 sx "G" cmt mxd 1:1:4, 100 sx "G" neat cmt mxd w/ 0.5% densifier, all cmt mxd w/2% CaCl₂, bmpd plg w/ 1250 psi, CIP @ 8:50 A.M. Rmvd BOP, landed csg, cut off 34.71' of 7" csg & instld well head @ 6 A.M. CB mud wt 75#/CF, Vis 53", WL 4.0 cc, Cake 2/32", Solids 11.0%, Sand 0.25%, 950 ppm Cl, Oil 9.0%, pH 9.0.
- 4-26-83 N/U BOP, RIHw/6 1/4" bit & 7" csg scrpr, cmt @ 4536', C/O to FC @ 4548', D/O to 4610', POHw/bit, RIHw/Howco WSO tools, perf'd 4 1/2" holes @ 4607', set pkr @ 3886', opn tool, med blo 45 min, li blo for 15 min, POH, test wet, pmpd to form w/ rig. pmp @ 4B/min @ 1600 psi, RIHw/RTTS, set pkr @ 4507', B-J brk form w/ 4.5 B/min @ 2150 psi @ 6 A.M. CB mud wt 74#/CF, Vis 45", WL 4.5 cc, Cake 2/32", pH 10.
- 4-27-83 Reset pkr @ 4486', B-J sqzd WSO holes @ 4607' w/ 200 sx "G" neat cmt, left 50' of cmt in csg, final press 1750 psi, rlsd pkr, had approx 40 CF bleed back, reset pkr @ 4306', pmpd 40 CF of bleed back into form, held 1500 psi on cmt for 4.5 hrs, unable to rlse pkr, unable to run free pt below 2160', while wrkg pipe, moved pkr up hole 16', pulled DP in two @ 241', POH, RIH w/OS, eng'd fish, unable to jar free, back off fish below fshg tools, POH @ 6 A.M. CB mud wt 73#/CF, Vis 40", WL 4.4 cc, Cake 2/32", Solids 10.0%, Sand - trace, 900 ppm Cl, Oil 7%, pH 9.8.
- 4-28-83 RIH w/screw in sub, unable to move fish, bkd off @ 718', RIH w/screw in sub, GO RU, unable to go below 1500 w/free pt, RD GO, bkd off screw in sub, POH, LD jars & B-sub, RIH w/screw in sub, M/U DP, pkr came free, could rotate & move up & dn 6', Otis RU endless tbg unit, circ cln to 3818', unable to wrk below 3818', GO RU & ran free pt to 3621', unable to go deeper, now chng to 1" tools @ 6 A.M. CB mud wt 71#/CF, Vis 35", WL 7.2 cc, Cake 2/32", Solids 10.0%, Sand - trace, 800 ppm Cl, Oil 8%, pH 10.5.

- 4-29-83 GO unable to get below 3592' w/1" tools, bkd DP off @ 3580', circ cln, POH, brk ea jt of DP, RIH w/743' of 5-3/4" OD wsh pipe, top of fish @ 3580', wsh over to 4081' @ 6 A.M. Pkr @ 4301'. CB mud wt 71#/CF, Vis 41", WL 7.2 cc, Cake 2/32", Solids 8.0%, Sand - trace, 850 ppm Cl, Oil 3.0%, pH 10.2.
- 4-30-83 Cont'd wshg over 3-1/2" DP to 4299', started torqueing up & pmp press inc fr 1500 psi to 2000 psi, unable to wrk deeper, POH, drag fr 80 to 150,000# over wt for 29 jts, freed up, fin POH, left rotary shoe in hole, threads turned thru themselves, RIH w/screw in sub, unable to stab into fish @ 3579', now POH for 4" csg spear @ 6 A.M. CB mud wt 71#/CF, Vis 45", WL 7.6 cc, Cake 2/32", Solids 8.0%, Sand - trace, 850 ppm Cl, Oil 3.0%, pH 10.4.
- 5-1-83 RIH w/spear, jars & B-sub dressed to catch rotary shoe, shoe not on top of fish, POH, RIH w/OS, jars, accelerator & B-sub, eng'd fish @ 3579', jarred on fish 8 hrs, move up hole 8', attempt to bk off DP, unable to do so, rlse OS, POH, RIH w/wsh pipe w/ outside cutter to cut 3-1/2" DP @ 6 A.M. CB mud wt 70#/CF, Vis 45", WL 7.4 cc, Cake 2/32", Solids 8.0%, Sand - trace, 850 ppm Cl, Oil 3.0%, pH 10.5.
- 5-2-83 Cut 3-1/2" DP W/outside cutter @ 3689', POH w/116.81' of fish, RIH w/OS to 3689', eng fish, GO wireline unable to get into top of fish, rlse OS & POH, RIH w/Tungsten carbide burning shoe, wrk over fish, cln out & dress fish to 3979', circ cln, POH @ 6 A.M. CB mud wt 71#/CF, Vis 43", WL 7.2 cc, Cake 2/32", Solids 8.0%, Sand - trace, 850 ppm Cl, Oil 3.0%, pH 9.8.
- 5-3-83 Fin POH, RIH w/BOT outside cutter, wrkd past tool jt @ 3726', attempt to cut DP @ 3970', POH, knives brkn & rlsq sleeve not shifted, misrun RIH w/ new cutter, made cut in 3-1/2" DP @ 3970', POH, rec 281.28' of fish, RIH w/ Tungsten Carbide burning shoe, Now wshg over 3-1/2" DP @ 6 A.M., DP was full of cmt fr 3726' dn. CB mud wt 71#/CF, Vis 41", WL 7.4cc Cake 2/32", Solids 8.0%, Sand - trace, 850 ppm Cl, Oil 3.0%, pH 9.7.
- 5-4-83 Wsh over fish fr 3970' to 4261', Circ cln, P/U clear of fish, wait 15 min, lwrđ wshpipe over fish w/o circ or rotating, no obstructions, POH w/ wsh pipe, RIH w/ BOT outside cutter to 4262', cut 3-1/2" DP @ 4262', POH, no fish in cutter, RIH w/ OS, jars & B-Sub, engd fish @ 3970', jarred fish loose, now POH @ 6 A.M. CB mud wt 71#/CF, Vis 42", WL 7.5 cc, Cake 2/32", Solids 8.0%, Sand - trace, 800 ppm Cl, Oil 3.0%, pH 9.8.
- 4-5-83 Fin POH, rec 289.67' of 3-1/2" DP, RIH w/ Tungsten Carbide burning shoe, wsh over fish fr 4259' to 4263', circ cln, POH, RIH w/ Tri State Concave mill & 2 junk subs to 4259', milled & wrkg junk subs fr 4259' to 4273' @ 6 A.M. CB mud wt 71#/CF, Vis 63", WL 7.2 cc, Cake 2/32", Solids 8.0%, Sand - trace, 750 ppm Cl, Oil 3.0%, pH 9.5.

- 5-6-83 Cont'd milling w/concave mill fr 4273' to 4278', circ cln, POH, RIH w/burning shoe & wsh pipe, wshd over fish for 6 hrs made approx 2', POH, had worn 18" off of burning shoe, RIH w/new burning shoe, have made approx 2" in 4 hrs. CB mud wt 71#/CF, Vis 95", WL 6.7 cc, Cake 2/32", Solids 8.0%, Sand - trace, 750 ppm Cl, Oil 2.0%, pH 9.8.
- 5-7-83 POH w/burning shoe, RIH w/Hydrostatic JB to 4277', brk disc, rvse circ 30 min, POH, JB was empty, RIH w/TC concave mill to 4278', milled to 4286', circ & wrk junk subs, POH @ 6 A.M. CB mud wt 71#/CF, Vis 98", WL 6.5 cc, Cake 2/32", Solids 8.0%, Sand - trace, 800 ppm Cl, Oil 2.0%, pH 9.7.
- 5-8-83 Fin POH w/concave mill, RIH w/wsh pipe & TC faced shoe to 4286', wshd over fish to 4298', fsh came free, pushed 18' dn hole, POH, fish stuck in shoe, hit tight spot @ 3802', lost fish, fin POH, RIH w/ OS, jars & B-sub, hit fish @ 1767', POH w/complete fish, tstd csg w/1000 psi OK, RIH w/bit, fnd cmt @ 4302', C/O cmt & mistakenly drld out shoe. Now POH @ 6 A.M. CB mud wt 71#/CF, Vis 87", WL 6.2 cc, Cake 2/32", Solids 8.0%, Sand 0.25%, 950 ppm Cl, Oil 2.0%.
- 5-9-83 Fin meas out of hole, RU Gearhardt, ran GR, perf'd for WSO, 4 1/2" holes @ 4607', set CIBP @ 4613', RIH w/Howco WSO tools, tstd WSO holes, tst dry, POH, WSO approved by DOG, RIH w/6-1/4" mill, drld out CIBP @ 4613', C/O to 4742' @ 6 A.M. CB mud wt 71#/CF, Vis 65", WL 6.5 cc, Cake 2/32", Solids 8.0%, Sand 0.25%, 950 ppm Cl, Oil 2.0%, pH 9.5.
- 5-10-83 C/O to 4765', chng over to Polymer mud, POH, RIH w/ King under reamer, opn 9-7/8" hole to 12" fr 4620' to 4742', P/U to 4620' & regauge hole, POH, RIH w/ 116' of screen lnr, tattle tale, blank, PC & adaptor, total of 194.90', circ, started gvl pkg @ 2:30 A.M. 10 sx/hr, 35 sx away @ 6 A.M. Polymer mud wt 70#/CF, Vis 44", WL 8.0 cc, Cake - film, Solids 3.5%, Sand - trace, 93,000 ppm Cl, Oil - trace, pH 8.5.
- 5-11-83 Cont'd gvl pkg w/ J. B. Nelson, total of 85 sx 20 - 40 mesh gvl in place, Calc vol 83 sx, POH, RIH w/ lead seal, set over adapter @ 4547', dsplsd Polymer mud w/ lease wtr, POH & LD 3-1/2" DP, rmvd BOP, F/U well head. Prepared to move to Well # 57, DS - 3.
- 5-12-83 Rig down for move to Well #57, DS #3.

DIV. OF OIL AND GAS
LONG BEACH, CA.

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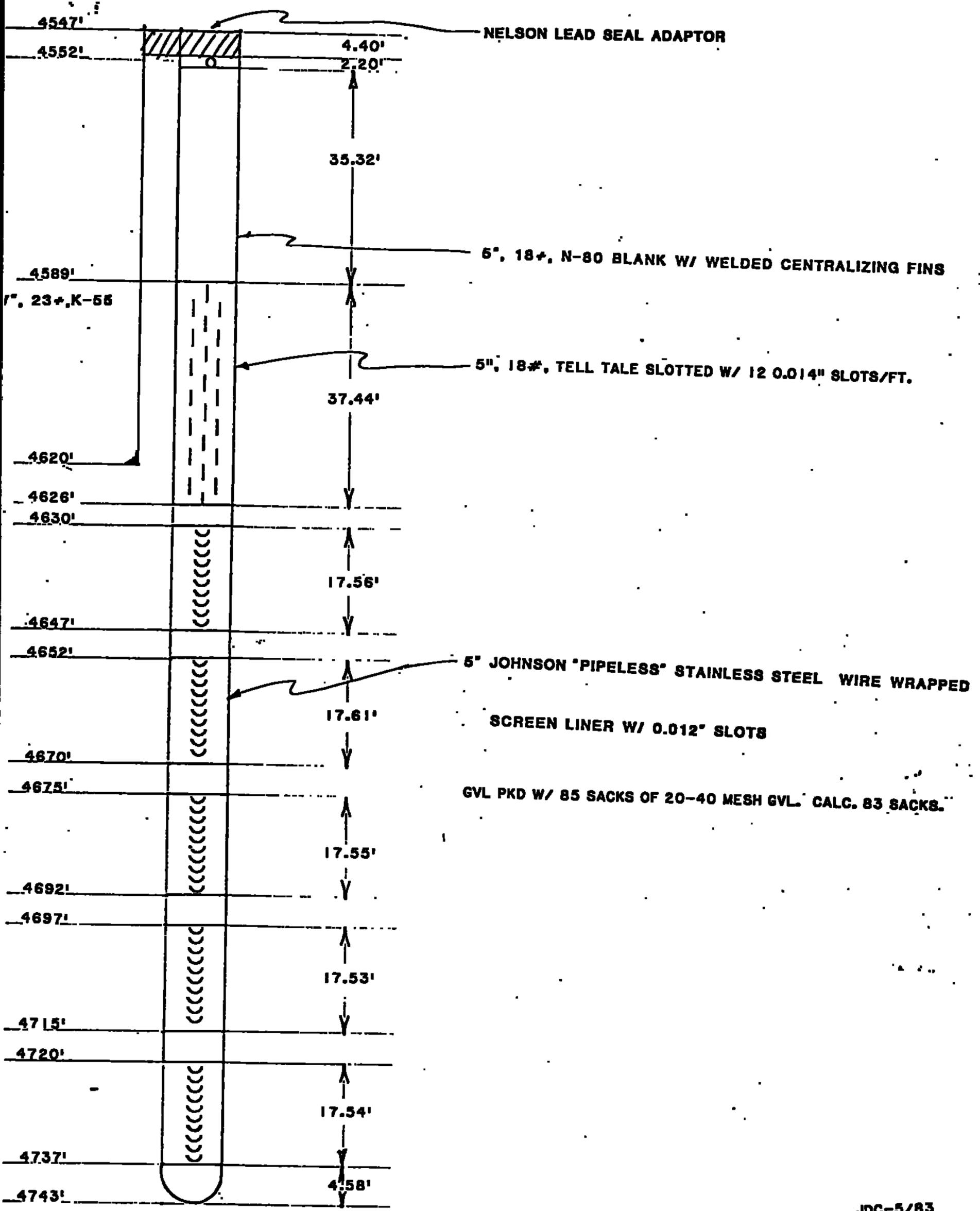
XTOA ENERGY CORP.

LINER DETAIL

WELL NO. 18

037-22853

"WNF"-I" 18



JDC-5/83

WELL NO. 18

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DIV. OF OIL AND GAS
LONG BEACH, CA.

STATE OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT ON PROPOSED CHANGE OF WELL DESIGNATION

Long Beach, California

October 17, 1983

John D. Carmichael, Agent
XTRA ENERGY CORPORATION
2501 Cherry Avenue, Suite 270
Signal Hill, CA 90806

Your request, dated September 15, 1983, proposing to change the designation of
see
well(s) in Sec. below, T. 4S, R. 13W, S. B. & M., Wilmington field,
Los Angeles County, District No. 1, has been received.

The proposed change in designation, in accordance with Section 3203, Public Resources Code, is authorized
as follows: Sec. 19-4S-13W

OLD	NEW	API	NEW	API	
8	"WNF-I" 8	22620	"American Can" 1	"WNF-I" 12	21433
10	"WNF-I" 10	22611	"	"WNF-I" 15	21644
18	"WNF-I" 18	22853	"	"WNF-I" 3	21768
19	"WNF-I" 19	22846	"Dasco Unit" 1	"WNF-I" 1	21671
20	"WNF-I" 20	22652	I-14	"WNF-I" 11	22603
23	"WNF-I" 23	22672	"Purex Unit" 1	"WNF-I" 9	21669
26	"WNF-I" 26	22666-01	"	"WNF-I" 5	21753
27	"WNF-I" 27	22673	"	"WNF-I" 4	21754
28	"WNF-I" 28	22674	"Sanitation Unit" 1	"WNF-I" 21	21445
29	"WNF-I" 29	22648	Sec. 20-4S-13W		
43	"WNF-I" 43	22682	31	"WNF-I" 31	22767
Sec. 20-4S-13W			36	"WNF-I" 36	22769
42	"WNF-I" 42	22689	33	"WNF-I" 33	22768
44	"WNF-I" 44	22820	37	"WNF-I" 37	22796
			34	"WNF-I" 34	22787
			38	"WNF-I" 38	22752
			35	"WNF-I" 35	22795
			39	"WNF-I" 39	22754

M. G. MEFFERD, State Oil and Gas Supervisor

By Richard C. [Signature]

FOR V. F. GAEDE, Deputy Supervisor

EDP
Update
Conservation Committee
Long Beach Dept. of Oil Properties
OGD 157 (3-79-DWRR-1M)

Sec. 20-4S-13W

<u>OLD</u>	<u>NEW</u>	<u>API</u>
		<u>037-</u>
"Shell Unit" 1	"WNF-I" 32	21729
"Shell Unit" 2	"WNF-I" 40	21769

Sec. 29-4S-13W

"Lomita Unit" 1	"WNF-I" 67	22487
49	"WNF-I" 49	22886
50	"WNF-I" 50	22884
51	"WNF-I" 51	22885
53	"WNF-I" 53	22874
54	"WNF-I" 54	22871
56	"WNF-I" 56	22865
57	"WNF-I" 57	22815

DIVISION OF OIL AND GAS

Report on Operations

SEC. 3606 WELL

John D. Carmichael, Agent
XTRA ENERGY CORPORATION
2501 Cherry Avenue, Suite 270
Signal Hill, CA 90806

Long Beach Calif.
June 15, 1983

Your operations at well 18, API No. 037-22853,
Sec. 19, T. 4S, R. 13W S.B.B. & M. Wilmington Field, in Los Angeles County,
were witnessed on 4-17-83 by T. S. Boardman, Engineer, representative of
the supervisor, was present from 1200 to 1400. There were also present Roy Napier,
Drilling Foreman.

Present condition of well: 16" cem 60'; 10-3/4" cem 603'; TD 615' (Drilling).

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

DECISION: APPROVED.

NOTE: DEFICIENCIES TO BE CORRECTED
NONE

DEFICIENCIES CORRECTED
1. Gauge on N₂ defective.

CONTRACTOR: Cal Pacific Drilling Company

TSB:dh

cc: Update

Blanket Bond

ACTING

By
ACTING

ST CORDOVA

State Oil and Gas Supervisor

Deputy Supervisor

V. F. GAEDE

DIVISION OF OIL AND GAS
BLOWOUT PREVENTION EQUIPMENT MEMO

177 6-2-83

T 183 398

Operator Xtra Energy Corp Well 18 Field Wilmington County LA

VISITS: Date Engineer Time Operator's Rep. Title
 1st 4/17/83 TS Boardman 1200 to 1400 Roy Napier D.F.
 2nd _____ _____ to _____ _____ _____

Casing record of well: 16" cem 60'; 10 3/4" cem 603'; TD 615' (drilling)

OPERATION: Testing (inspecting) the blowout prevention equipment and installation.
 DECISION: The blowout prevention equipment and installation are approved.

Proposed Well Opns: Drill MPSP: _____ psi
 Hole size: 14 3/4" fr. 60' to 615', _____ " to _____ " & _____ " to _____ "

REQUIRED
BOPE CLASS: III B 2 M

CASING RECORD (BOPE ANCHOR STRING ONLY)					Cement Details		Top of Cement	
Size	Weight(s)	Grade (s)	Shoe at	CP at			Casing	Annulus
<u>10 3/4"</u>	<u>40.5 #</u>	<u>J-55</u>	<u>603</u>		<u>450</u>	<u>Sx 7"</u>	<u>550</u>	<u>0</u>

BOP STACK							a	b	a/b	TEST DATA			
API Symb.	Ram Sz.	Mfr.	Model or Type	Size In.	Press. Rtg.	Date Last Overhaul	Gal. to Close	Rec. Time Min.	Calc. GPM Output	psi Drop to Close	Secs. to Close	Test Date	Test Press.
<u>A</u>	<u>-</u>	<u>Shufco</u>	<u>-</u>	<u>12</u>	<u>3000</u>	<u>-</u>						<u>4/17</u>	<u>500</u>
<u>RJ</u>	<u>4 1/2</u>	<u>Shaffer</u>	<u>B</u>	<u>12</u>	<u>3000</u>	<u>-</u>						<u>4/17</u>	<u>1000</u>
<u>RJ</u>	<u>2 1/2</u>	<u>Shaffer</u>	<u>B</u>	<u>12</u>	<u>3000</u>	<u>-</u>						<u>4/17</u>	<u>1000</u>

ACTUATING SYSTEM			
Accum. Unit(s)	Wkg. Press.	<u>3000 psi</u>	
Total Rated Pump Output	_____ gpm		
Distance From Well Bore	<u>50 ft.</u>		
Mfr.	Accum. Cap.	Precharge	
<u>1 Koomey</u>	<u>90 gal.</u>	<u>1000 psi</u>	
<u>2</u>	<u>gal.</u>	<u>psi</u>	
CONTROL STATIONS		Elec.	Hyd.
<u>X Manif. at accum. unit</u>			<u>X</u>
<u>X Remote at Drlr's stn.</u>		<u>pne.</u>	
Other: _____			
EMERG. BACKUP SYST.		Press.	Wkg. Fl.
<u>X N2 Cyl</u>	<u>No: 2</u>	<u>Type: J</u>	<u>12/00 6.2 gal</u>
Other:		<u>22600</u>	<u>9.3 gal</u>
		<u>3</u>	<u>gal</u>
		<u>4</u>	<u>gal</u>
		<u>5</u>	<u>gal</u>
		<u>6</u>	<u>gal</u>

AUXILIARY EQUIPMENT						
	No.	Sz. (in)	Rated Press.	Connections		
				Weld	Flan.	Thrd.
<u>X Fill-Up Line</u>						
<u>X Kill Line</u>		<u>2</u>	<u>3000</u>		<u>X</u>	<u>1000</u>
<u>X Control Valve(s)</u>	<u>1</u>		<u>3000</u>		<u>X</u>	<u>-</u>
<u>X Check Valve(s)</u>	<u>1</u>		<u>3000</u>		<u>X</u>	<u>1000</u>
<u>X Auxil. Pump Connec.</u>			<u>3000</u>			<u>X 1000</u>
<u>X Choke Line</u>		<u>3</u>	<u>3000</u>			<u>X 1000</u>
<u>X Control Valve(s)</u>	<u>6</u>		<u>3000</u>		<u>X</u>	<u>1000</u>
<u>X Pressure Gauge</u>						<u>X</u>
<u>X Adjustable Choke(s)</u>	<u>2</u>	<u>2</u>	<u>3000</u>		<u>X</u>	<u>500</u>
<u>X Bleed Line</u>		<u>3</u>				<u>X</u>
<u>X Upper Kelly Cock</u>						<u>1000</u>
<u>X Lower Kelly Cock</u>		<u>4 1/2</u>	<u>3000</u>			<u>-</u>
<u>X Standpipe Valve</u>						<u>1000</u>
<u>X Standpipe Pressure Ga.</u>						
<u>X Pipe Safety Valve</u>						
<u>X Internal Preventer</u>		<u>4 1/2</u>	<u>3000</u>			<u>-</u>

HOLE FLUID MONITORING EQUIPMENT			
	Alarm		Class
	Aud.	Vis.	
<u>X Calibrated Mud Pit</u>			<u>A</u>
<u>X Pit Level Indicator</u>	<u>X</u>	<u>X</u>	<u>B</u>
<u>X Pump Stroke Counter</u>		<u>X</u>	<u>B</u>
<u>X Pit Level Recorder</u>	<u>X</u>	<u>X</u>	<u>C</u>
<u>Flow Sensor</u>			
<u>Mud Totalizer</u>			
<u>Calibrated Trip Tank</u>			
Other: _____			

REMARKS:
Driller was quizzed about proper use of PSV and Internal Preventer during a kick.

Hole Fluid Type	Weight	Storage-Pits
<u>clay</u>	<u>9.9</u>	<u>650 RB/S</u>

DEFICIENCIES--TO BE CORRECTED

NONE

DEFICIENCIES--CORRECTED

Gauge on nr defective

CONTRACTOR

CAI Pacific Drilling Co.

DIVISION OF OIL AND GAS
Report on Operations

SEC. 3606 WELL

John D. Carmichael, Agent
XTRA ENERGY CORPORATION
2501 Cherry Avenue, Suite 270
Signal Hill, CA 90806

Long Beach Calif.
June 15, 1983

Your operations at well 18, API No. 037-22853,
Sec. 19, T. 4S, R. 13W, S.B.B. & M. Wilmington Field, in Los Angeles County,
were witnessed on 5-8-83 by Ed Santiago, Engineer, representative of
the supervisor, was present from 2300 to 0100. There were also present Jim Stewart,
Drilling Foreman.

Present condition of well: 16" cem 60'; 10-3/4" cem 603'; 7" cem 4620', cp 4307',
perf 4607' WSO. TD 4765' (Drilling).

The operations were performed for the purpose of Testing the 7" shut-off at 4607' with
a formation tester.

DECISION: APPROVED.

NOTE: DEFICIENCIES TO BE CORRECTED
NONE

DEFICIENCIES CORRECTED
1. 1st test inconclusive.

CONTRACTOR: Cal Pacific Drilling Company

ES:dh

cc: Update

Blanket Bond

ACTING ST CORDOVA
Staff Oil and Gas Supervisor
By [Signature]
ACTING Deputy Supervisor
V. F. GAEDE

Operator XTRA ENERGY CORP.

Well designation 18 Sec. 19, T. 4S, R. 13W, SB B.&M.

Field WILMINGTON, County LOS ANGELES was tested for water shutoff on 5/8/83. (Name) EDWARD SANTIAGO, representative of the supervisor, was present from 2300 to 0100. Also present were JIM STEWART D.F.

Casing record of well: 16" cem 60', 10 3/4" cem 603', 7" cem 4620', op 4307', PERF 4607 WSD.
TD 4765' (drilling).

The operations were performed for the purpose of (7-1) @ 4607

- The 7 " shutoff at 4607 ' is approved.
- The seal between the _____ " and _____ " casings is approved.
- The operations are approved as indicating that all of the injection fluid is confined to the formations below _____ ' at this time.

Hole size: 1 3/4 " fr. 60 ' to 615 ' ; 9/8 " to 4765 ' ; & _____ " to _____ '.

Casing				Cemented			Top of Fill		Sqd. Away	Final Press	Test psi/min. Perfs.
Size	Wt.	Top	Bottom	Date	MO-Depth	Volume	Annulus	Casing			
7"	23#	0'	4620'	4/25	BUMP PLUG W/ FLT COL @ 4548'	735 cf	1902' ±	4548'	—	1000#	—
"	"	"	"	5/2	W/ T89 HUNG @ 4310	228 cf	—	3877' ±	133 cf	1400#	PERFS 4307'

Depth or interval tested FOUR 1/2" HOLES @ 4607'
The hole was open to Bp @ 4612 ' for test. mud wt. 9.6 lb/cf

FORMATION TEST:

Packer(s) 4550 ' & _____ ' Tail 4562 ' Bean size 5/8 " Cushion NONE

IHP 1779 IFP 13 FFP 13 FHP 1739

Blow 10 MIN LITE BLOW & THEN DEAD THE REMAINDER OF THE TEST

Open for test 1 Hr. 0 min. Fluid entry 8' drilling mud

BAILING TEST:

The hole fluid was bailed to _____ ' , at _____ on _____ 19__.

The hole fluid was found at _____ ' , at _____ on _____ 19__.

(time)

PRODUCTION TEST:

Gauge/meter reading _____ on _____ 19__ , at _____ pump depth _____ ' Engr. _____

Gauge/meter reading _____ on _____ 19__ , at _____ Engr. _____

Fluid level _____ ' surveyed on _____ 19__ , reviewed (witnessed) by _____

Total fluid produced, Bbls. _____ Net oil _____ Water _____

Rate: _____ B/D oil, _____ B/D water, _____ % water cut

INJECTION SURVEY:

RA/Spinner/Temperature survey run at _____ B/D & _____ psi on _____ 19__ , fluid confined below _____ ' (Packer depth _____ ')

DEFICIENCIES--TO BE CORRECTED

NONE

DEFICIENCIES--CORRECTED

1ST TEST INCONCLUSIVE

CONTRACTOR

CAL PACIFIC DRILLING Co.

REPORT ON PROPOSED OPERATIONS

SEC. 3606 WELL

848
(field code)
03
(area code)
00
(new pool code)
--
(old pool code)

John D. Carmichael, Agent
XTRA ENERGY CORPORATION
2501 Cherry Avenue, Suite 270
Signal Hill, CA 90806

Long Beach, California
March 31, 1983

Your Drill proposal to 18 well _____,
A.P.I. No. 037-22853, Section 19, T. 4S, R. 13W, S. B. B. & M.,
Wilmington field, F. B. I, Onshore area, Ranger pool,
Los Angeles County, dated 3-9-83, received 3-23-83 has been examined in conjunction with records
filed in this office.

THE PROPOSAL IS APPROVED PROVIDED:

1. Blowout prevention equipment, equivalent to this Division's Class III-B-2M requirements, or better, shall be installed and maintained in operating condition.
2. Drilling 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 back of the 7" casing to reach above the base of the fresh waters which is at 1850'.
4. This Division shall be consulted and a supplementary notice may be required before making any changes in the proposed program.
5. The provisions of Sec. 3606 relating to derricks and subsurface spacing shall be followed.
6. A directional survey shall be made and filed with this Division.
7. THIS DIVISION SHALL BE NOTIFIED:
 - a. To witness a test of the installed blowout prevention equipment prior to drilling out cement in the shoe of the 10-3/4" casing.
 - b. To witness a test of the effectiveness of the 7" shut-off above the Ranger zone.

NOTE:

A crew drill may be requested at the time of the blowout prevention equipment test.

RM:dh

cc: Update
EDP

Blanket Bond

M. G. MEFFERD, State Oil and Gas Supervisor

By Frv. F. GAEDE, ACTING Deputy Supervisor

A copy of this report 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.

DIVISION OF OIL AND GAS
Notice of Intention to Drill New Well

C.E.Q.A. INFORMATION			
EXEMPT CLASS <input checked="" type="checkbox"/>	NEG. DEC. S.C.H. NO. <input type="checkbox"/>	E.I.R. S.C.H. NO. <input type="checkbox"/>	DOCUMENT NOT REQUIRED BY LOCAL JURISDICTION <input type="checkbox"/>
See Reverse Side			

FOR DIVISION USE ONLY					
MAP	MAP BOOK	CARDS	BOND	FORMS	
				114	121
121		3258	Blank	348	3258
		31281K3			

In compliance with Section 3203, Division 3, Public Resources Code, notice is hereby given that it is our intention to commence drilling well No. 18, API No. 037-22853 (Assigned by Division), Sec. 19, T. 4S, R. 13W, S.B. B. & M., Wilmington Field, Los Angeles County.

Legal description of mineral-right lease, consisting of _____ acres, is as follows: _____ (Attach map or plat to scale)
Map Previously Submitted

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

Location of well 131 feet North along section / property line and 145 feet East (Direction) (Cross out one)

at right angles to said line from the Southwest corner of section / property which is xx (Cross out one) the North East corner of the intersection of Main Street and the AT&SF right-of-way.

Is this a critical well according to the definition on the reverse side of this form? Yes No

If well is to be directionally drilled, show proposed coordinates (from surface location) at total depth: 2263 feet North and 1295 feet East (Direction) (Direction)

Elevation of ground above sea level 38 feet.

All depth measurements taken from top of Kelly Bushing that is 22 feet above ground. (Derrick Floor, Rotary Table, or Kelly Bushing)

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"	40.5	K-55	Surf	600'	600'	600'
7"	23#	K-55	Surf	4670'	4670'	2300'
5"	18#	N-80	4600'	4815'	Wire wrapped steel liner mesh gravel	pipeless stainless gravel packed w/20-40

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

Intended zone(s) of completion Ranger, 4670', (-3690' vss) 1200 psi Estimated total depth 4815' (Name, depth, and expected pressure)

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

Name of Operator <u>Xtra Energy Corporation</u>	Type of Organization (Corporation, Partnership, Individual, etc.) <u>Corporation</u>
Address <u>717 Walton Street</u>	City <u>Signal Hill, CA</u>
Telephone Number <u>(213)424-8549</u>	Zip Code <u>90806</u>
Name of Person Filing Notice <u>John D. Carmichael</u>	Signature <u>John D. Carmichael</u>
	Date <u>3-9-83</u>

This notice and 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.

Information for compliance with the California Environmental Quality Act of 1970 (C.E.Q.A.).

If an environmental document has been prepared by the lead agency, please submit a copy of the document with this notice or supply the following information:

Lead Agency: _____ City of Carson _____
Lead Agency Contact Person: _____ Joel Miller _____
Address: _____ P. O. Box 6234 _____
_____ Carson, CA 90749 _____
Phone: (213) _____ 830-7600 _____

FOR DIVISION USE ONLY	
District review of environmental document (if applicable)?	Yes <input type="checkbox"/> No <input type="checkbox"/>
Remarks:	_____ _____ _____

CRITICAL WELL

As defined in the California Administrative Code, 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 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.

Exceptions or additions to this definition may be established by the supervisor upon his own judgment or upon written request of an operator. This written request shall contain justification for such an exception.

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XTRA ENERGY CORPORATION

PROGRAM FOR DRILLING

WELL No. 18

Reference Point: KB which is 22' above G. E.
Surface Location: Lambert Coordinates N-4,041,448 E-4,204,720
Bottom Hole Location: Lambert Coordinates N-4,043,711 E-4,206,015
Elevation: 38' GE + 22' KB = 60'

Proposed Casing Program:

10-3/4" 40.5 # to be cemented at 600'
7 " 23 # to be cemented at 4670'
5 " 18 # to be hung at 4815', top @ 4600'.

Perfs: 4680' to 4810' Wire wrapped pipeless Johnson Screen liner with 0.012" slots.

Proposed Hole Size:

0' to 600' 14-3/4" hole
600' to 4815' 9-7/8" hole
4670' to 4815' 9-7/8" hole to be underreamed to 12".

Proposed Total Depth: 4815'

Directional Program

Deflect hole at 400' and increase inclination at 5°/100' in a N 29° E direction to 44° at 1279'. Maintain 44° inclination to a depth of 3970'. Drop angle at 2°/100' to a total depth of 4815'. Target is a 100' diameter circle with its center 2263' North and 1295' East of the surface site. A total displacement of 2607'.

Mud Program

1. For drilling from surface to 600', use a safe fresh water clay base mud.
2. For drilling from 600' to 4815', use a fresh water clay base mud with the following properties.
 - a. Weight 72 #/CF
 - b. Fluid loss 5 cc
 - c. P.V. 8 - 14 cps
 - d. YP 4 - 6#/100 sq. ft.
 - e. Funnel vis 38 - 42"
 - f. Solids 12%

Well No. 18

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LONG BEACH, CA.

3. For underreaming 9-7/8" hole to 12", use a polymer mud with the following properties.

a.	Weight	72#/CF
b.	P.V.	12 - 18 cps
c.	YP	4 - 6 #/100 sq. ft.
d.	Funnel vis	34 - 38"
e.	Solids	Minimum
f.	KCl (KCl)	4%

BOP Requirements

1. Bag type - Hydraulic 10" - 3000. 3000 psi WOG.
2. Ram type - double, hydraulic, 10" - 3000, 3000 psi WOG.
3. Accumulator - 80 gallon with dual controls.

Program

1. Install 16" conductor pipe to + 40'.
2. Move in and rig up rotary equipment.
3. Drill 14-3/4" hole to 600'.
4. Run 10-3/4", 40.5#, J-55 casing to 600'. Casing to be fitted with a B & W stab-in shoe and centralizers on 1st, 2nd and 3rd joints. Cement 10-3/4" casing with 300 sacks of API class "G" cement mixed 1:1 with peralites and 4% Gel followed by enough neat "G" cement to get cement returns. All cement to be mixed with 2% CaCl₂.
5. Install wellhead and BOP. Representative of D.O.G. to witness pressure test of B.O.P.
6. Run 9-7/8" bit and clean out to 600'. Drill 9-7/8" hole to 4815'.
7. Run Induction electric log from total depth to the shoe of the 10-3/4" casing. Use 20 ohm scale. Two field prints are required including one with 5" scale.
8. Run 7", 23#, K-55 casing to 4670'. Casing to be fitted with a Baker basket shoe and Baker float collar 2 joints above shoe. Centralizers to be installed on 1st, 2nd, 4th and 6th joints above shoe. Cement 7" casing as follows: 300 linear feet (80 CF) of "mud sweep" or equivalent followed by 295 sacks of class G cement mixed 1:1:4 (cement:perlite:gel) mixed with 2% CaCl₂, followed by 85 sacks of G cement, neat. Cement to reach 2000' TVD. Land Casing.

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Page three

9. After 24 hours, clean out cement to 4660' (+ 10' above shoe). Run combination jet perforator and casing tester. Shoot 4 holes as directed and test water shut off. Results of WSO test to be witnessed by representative of California Division of Oil and Gas.
10. Run 6-1/4" bit, drill out shoe at 4670' and clean out to 4815'.
11. Change over to Polymer completion fluid.
12. Underream 9-7/8" hole to 12" from the 7" casing shoe to total depth.
13. Make up and run 5", 18#, K-55 liner as directed.
14. Gravel pack 5" x 12" annulus with 90 CF of 20 - 40 mesh gravel.
15. Displace Polymer mud in hole with salt water and close in.
16. Move out rotary equipment.

No. 18
JDC:sc
3-9-83

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LONG BEACH, CA.

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