

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

Field or county <b>Wilmington</b>	District - <b>Cypress (D1)</b>
Former owner <b>Four Teams Oil Production &amp; Exploration Company, Inc.</b>	Opcode: <b>F1535</b> Date <b>August 12, 2010</b>

Name and location of well(s)

SEE ATTACHMENT

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

See Attachment

Date of transfer, sale, assignment, conveyance, or exchange <b>8/1/2010</b>	New Owner <b>E &amp; B Natural Resources Management Corp.</b>	Operator code <b>E0100</b>	Type of Organization <b>Corporation</b>
	Address <b>1600 Norris Road Bakersfield, CA 93308</b>		Telephone No. <b>(661) 679-1700</b>

Reported by **OG30A received 8/11/2010 signed by both parties**

Confirmed by. **Same as above**

New operator new status (status abbreviation) <b>PA</b>	Request Designation of Agent <b>Jeffrey Blesener</b>
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Old operator new status (status abbreviation) <b>PA</b>	Remarks <b>See Operator File</b>
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Deputy Supervisor <b>Kenneth Carlson</b>	Signature  <b>Chris McCullough, Associate Engineer</b>
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**OPERATOR STATUS ABBREVIATIONS**

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

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***

DIVISION OF OIL AND GAS

CHECK LIST - RECORDS RECEIVED AND WELL STATUS

Company Atra Energy Corp. Well No. WNF-I 49  
 API No. 037-22880 Sec. 29, T. 4S, R. 13W, SB B.&M.  
 County \_\_\_\_\_ Field Wilmington

RECORDS RECEIVED	DATE	STATUS	STATUS
Well Summary (Form OG100)	<u>10/26/83</u> (2)	Producing - Oil <input checked="" type="checkbox"/>	Water Disposal <input type="checkbox"/>
History (Form OG103)	<u>10/26/83</u> (2)	Idle - Oil <input type="checkbox"/>	Water Flood <input type="checkbox"/>
Core Record (Form OG101)		Abandoned - Oil <input type="checkbox"/>	Steam Flood <input type="checkbox"/>
Directional Survey	<u>10/26/83</u> (2)	Drilling - Idle <input type="checkbox"/>	Fire Flood <input type="checkbox"/>
Sidewall Samples		Abandoned - Dry Hole <input type="checkbox"/>	Air Injection <input type="checkbox"/>
Other		Producing - Gas <input type="checkbox"/>	Gas Injection <input type="checkbox"/>
Date final records received		Idle - Gas <input type="checkbox"/>	CO2 Injection <input type="checkbox"/>
Electric logs:		Abandoned - Gas <input type="checkbox"/>	LPG Injection <input type="checkbox"/>
<u>Dual Induct. ITS</u>	<u>10/26/83</u> (2)	Gas-Open to Oil Zone <input type="checkbox"/>	Observation <input type="checkbox"/>
		Water Flood Source <input type="checkbox"/>	
		DATE <u>8-6-83</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 OG159 (Final Letter) \_\_\_\_\_
- Form OGD150b (Release of Bond) \_\_\_\_\_
- Duplicate logs to archives \_\_\_\_\_
- Notice of Records due (F-OGD170) \_\_\_\_\_

IMMEDIATE CENTER 1/26/84

RECORDS NOT APPROVED

Reason: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

RECORDS APPROVED

RELEASE BOND

Date Eligible 1-12-84  
 (Use date last needed records were received.)  
 MAP AND MAP BOOK 128 ES 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 <b>Xtra Energy Corporation</b>		Well <b>WNF-I 49</b>				
Field <b>Wilmington</b>		County <b>Los Angeles</b>	Sec. <b>29</b>	T. <b>4S</b>	R. <b>13W</b>	B.&M. <b>S.B.</b>
Location (Give surface location from property or section corner, street center line and/or California coordinates) <b>493' North &amp; 833' East at right angles from the centerlines of Main St. and Lomita Blvd. in the City of Carson.</b>					Elevation of ground above sea level	
Commenced drilling (date) <b>July 24, 1983</b>	Total depth			Depth measurements taken from top of:		
Completed drilling (date) <b>August 6, 1983</b>	(1st hole) <b>4335'</b>	(2nd)	(3rd)	<input type="checkbox"/> Derrick Floor <input type="checkbox"/> Rotary Table <input checked="" type="checkbox"/> Kelly Bushing Which is <b>22</b> feet above ground		
Commenced producing (date) <b>August 24, 1983</b>	Present effective depth <b>4335'</b>			GEOLOGICAL MARKERS		
<input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas lift	Junk			DEPTH  "F" Marker                      4229'		
Name of producing zone(s) <b>Ranger</b>		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	9	14	80.9	0	15	50
Production After 30 days	113	14	53.9	0	10	45

### 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.	610'	40.5#	K-55	New	14 3/4"	450 sx	
7"	Surf.	4231'	23#	K-55	New	9 7/8"	367 sx	
5"	4179'	4334'	18#	K-55	New	9 7/8"	12" Gvl Packed	

**PERFORATED CASING** (Size, top, bottom, perforated intervals, size and spacing of perforation and method.)  
 5" Wire-wrapped Johnson "Pipeless" screen liner w/ 0.012" slots.  
 Gravel packed w/ 76 sx of 20-40 mesh gravel. See attached liner detail.

Was the well directionally drilled? If yes, show coordinates at total depth  
 Yes     No    **1720' South & 1726' East of Surface location. TVD = 3291'**

Electrical log depths  
**4334' to 610'**

Other surveys  
**None**

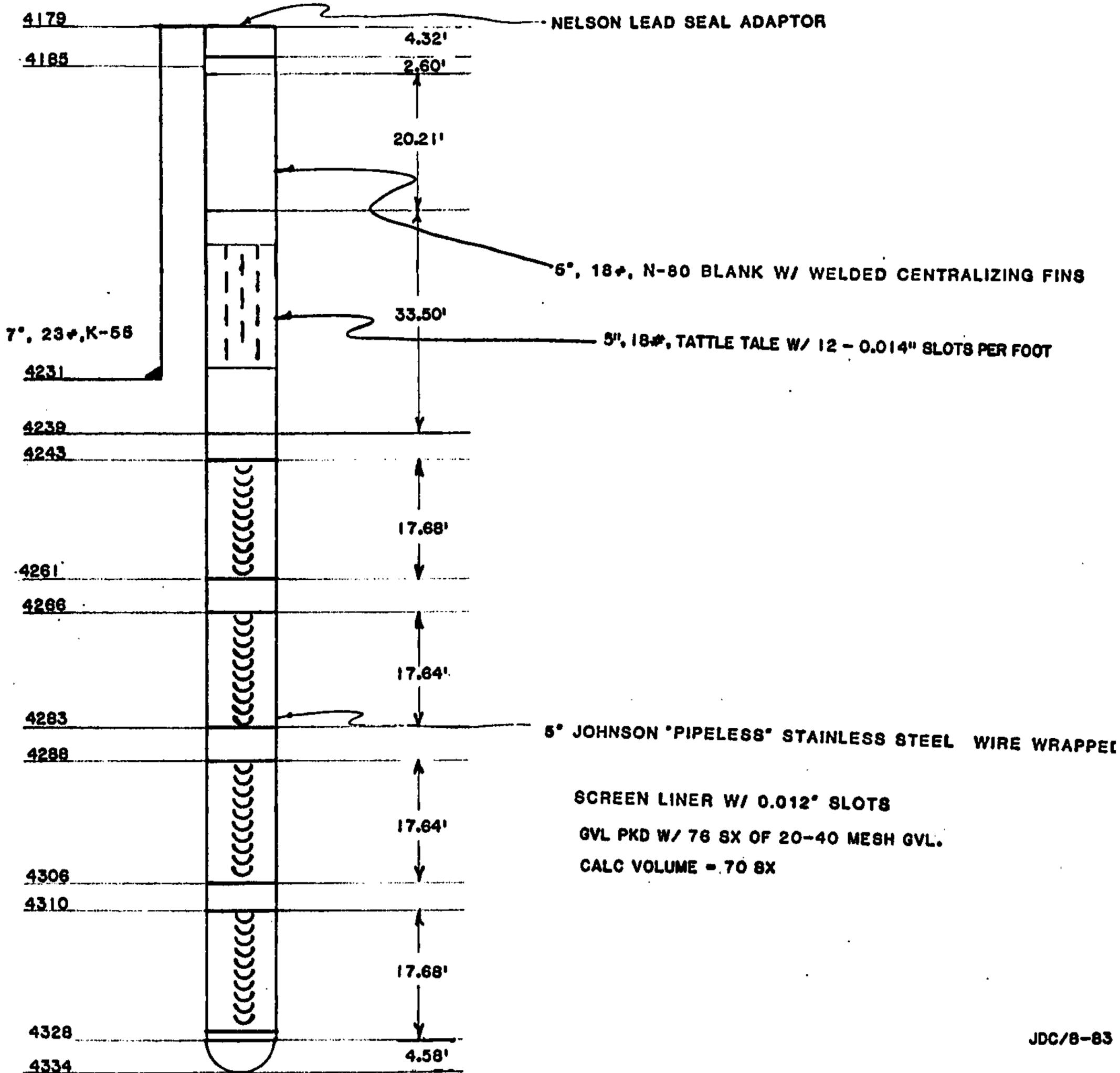
In compliance with Sec. 3215, Division 3 of the Public Resources Code, the information given herewith is a complete and correct record of the present condition of the well and all work done thereon, so far as can be determined from all available records.

Name <b>Xtra Energy Corporation</b>		Title <b>Senior Vice President</b>	
Address <b>2501 Cherry Avenue Suite 270</b>		City <b>Signal Hill CA</b>	Zip Code <b>90806</b>
Telephone Number <b>(213) 424-8549</b>	Signature <i>John R. Carmichael</i>		Date <b>10-24-83</b>

**SUBMIT IN DUPLICATE**

# XTRA ENERGY CORP.

## LINER DETAIL WELL NO. 49



JDC/8-83

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 40 WNF-1 44, Sec. 29, T. 4S, R. 13W, S.B.B. & M.  
 A.P.I. No. 037-22886 Name John D. Carmichael Title Senior Vice President  
 Date August 9, 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	
7-24-83	MI fr Well No. 50, RU, spud in @ 6 P.M. 7-23-83, drld to 132', lost circ, increase vis, spot pill, cont'd drlg 14-3/4" hole to 328' @ 6 A.M. CB mud wt 74#/CF, Vis 89", WL 9.3 cc, Cake 3/32", Solids 11.0%, Sand 0.5%, 1380 ppm Cl, Oil - trace, pH 10.5.
7-25-83	Cont'd drlg & surveying 14-3/4" hole fr 328' to 485', POH, RIH w/Dynadril, drld 9-7/8" hole to 615', circ cln, POH, RIH w/hole opnr, opn 9-7/8" hole to 14-3/4" fr 485' to 615', C & C mud, POH, ran 611' of 10-3/4", 40.5#, K-55 csg, Dowell cmtd w/10 bbls dye wtr, 300 sx "G" cmt mxd 1:1:4, 150 sx "G" neat cmt, all cmt mxd w/2% CaCl <sub>2</sub> , no cmt rtns, RU & cmtd w/50 sx top job, total slurry 853 CF, dsplsd 30 CF cmt on shoe, POH, WOC until 5 A.M., cut 28.00' off of 10-3/4" csg, weld on 7" well head, now N/U BOP @ 6 A.M. SS @ 570', 3°, S 45° E, hole is 1' left & 1' low. CB mud wt 74#/CF, Vis 75", WL 9.1 cc, Cake 2/32", Solids 10.0%, Sand 0.5%, 1360 ppm Cl, Oil - trace, pH 10.0.
7-26-83	Tst BOP to 1000 psi, OK by DOG, D/O shoe, C & C mud, RT for Dynadril, drld 9-7/8" hole to 773', RT for kick sub, drld to 1234' @ 6 A.M. SS @ 1189', 27° 30', S 44° E, hole is 6' rt & 13' hi. CB mud wt 72#/CF, Vis 39", WL 9.6 cc, Cake 2/32", Solids 9.0%, Sand 1.5%, 1200 ppm Cl, Oil 2.0%, pH 11.0.
7-27-83	C & C mud, RT for angle bldg assy, drld 9-7/8" hole fr 1234' to 1929', RT for locked assy, cont'd drlg to 2670' @ 6 A.M. SS @ 2546', 54°, S 46° E, hole is 9' rt & 7' low. CB mud wt 75#/CF, Vis 45", WL 6.2 cc, Cake 2/32", Solids 12.0%, Sand 0.75%, 1250 ppm Cl, Oil 1.0%, pH 9.0.
7-28-83	Cont'd drlg & surveying fr 2670' to 3194', RT for angle dropping assy, drld to 3402' @ 6 A.M. SS @ 3284', 48° 15', S 44° 30' E, hole is 2.5' left & 25' low. CB mud wt 78#/CF, Vis 45", WL 5.0 cc, Cake 2/32", Solids 16.0%, Sand 1.0%, 1250 ppm Cl, Oil - trace, pH 9.0.
7-29-83	Cont'd drlg & surveying 9-7/8" hole fr 3402' to 3961', RTCB, now drlg @ 6 A.M. SS @ 3961', 38° 30', S 46° E, hole is 5' left & 5' low. CB mud wt 80#/CF, Vis 45", WL 4.8 cc, Cake 2/32", Solids 17.5%, Sand 0.75%, 1200 ppm Cl, Oil - trace, pH 8.8.

- 7-30-83 Drld & surveyed 9-7/8" hole fr 3961' to 4337', C & C mud, made wiper trip & strap to hvy wall DP, POH, Sch ran IES log, unable to go below 4280', log fr 4280' to 610', RIH w/drlg assy, did not touch anything, C & C mud @ 4337', POH, Sch unable to go below 2160', now RIH w/OE DP to pmp sonde dn @ 6 A.M. SS @ 4330', 32° 45', S 42° E, hole is 1' left & 10' hi. CB mud wt 80#/CF, Vis 52", WL 4.6 cc, Cake 2/32", Solids 18.0%, Sand 0.5%, 1200 ppm Cl, Oil - trace, pH 9.0.
- 7-31-83 RIH w/OE DP, Sch unable to go thru hvy wall DP, RIH to btm, no fill, circ cln, POH, Sch ran big sonde to 4334', fin IES log, RIH w/DP, circ cln, POH, LD 4-1/2" DP, H & H RU & started rng 7" csg @ 3 A.M., 7-31-83. CB mud wt 80#/CF, Vis 42", WL 4.6 cc, Cake 2/32", Solids 17.0%, Sand 0.5%, 1200 ppm Cl, Oil - trace, pH 9.0.
- 8-1-83 Fin rng 120 jts 7", 23#, K-55 Buttress csg, shoe @ 4231', FC @ 4153', csg adjustor @ 1860', Dowell pmpd 80 CF mud sweep, 267 sx "G" cmt mxd 1:1:4, 100 sx "G" cmt neat w/0.5% TIC, all cmt mxd w/2% CaCl<sub>2</sub>, bmpd plg w/2000 psi, CIP @ 12:30 P.M. 7-31-83. Cut off 30.00' of 7" csg, weld on well head, instl BOP, P/U 3-1/2" DP & RIH w/6-1/4" bit, D/O cmt to 4210', C & C mud @ 6 A.M. CB mud wt 80#/CF, Vis 42", WL 5.8 cc, Cake 2/32", Solids 17.5%, Sand 0.25%, 1200 ppm Cl, Oil - trace, pH 10.4.
- 8-2-83 POH, RIH w/Howco WSO tstr, shot 4 1/2" holes @ 4199', set pkr @ 4150', tst dry, POH, WSO OK'd by DOG, RIH w/6-1/4" bit, C/O cmt, D/O shoe & C/O to 4335', circ cln, chng over to polymer mud, RT for under reamer, opnd 9-7/8" hole to 12" fr 4231' to 4335', circ cln, regauged hole, now circ @ 6 A.M. Polymer mud wt 80#/CF, Vis 41", WL 12.0 cc, Cake - film, Solids 2.6%, Sand 0.25%, 220,000 ppm Cl, Oil - trace, pH 7.1.
- 8-3-83 POH w/ Under Reamer, RIH w/ 155.23' Johnson 5" wire wrapped SS liner w/ 0.012" slots, including tattle tale & blank, J.B. Nelson gravel pkd lnr w/ 76 sx of 20-40 mesh gvl, Calc vol 70 sx, rvse cln, POH w/gvl pk tools, Now GIH w/lead seal @ 6 A.M. Polymer mud wt 79#/CF, Vis 38", WL 13.0 cc, Cake - film, Solids 2.8%, Sand - trace, 280,000 ppm Cl, Oil - trace, pH 7.
- 8-4-83 Set lead seal @ 4179', POH, D-A ran Photon log, unable to go below 4317', log showed 85% to 90% pack above this depth, RIH w/ 2-7/8" tbg tail, rvse out to 4334', approx 1 sk gvl pk snd, Chng over to lease wtr w/ 5% KCL, LD 3-1/2" DP until dark, clnd mud pits & loc, sort out rental tools, Cont'd LD 3-1/2" DP @ day lite.
- 8-5-83 Fin LD 3-1/2" DP, load out rental tools, cln mud pits, rmvd BOP, RD & WO daylight for crane to move off drill site. Crane arrived @ 6 A.M.
- 8-6-83 LD rig, move off of DS #3 @ 7 P. M., 8-5-83. Rig ready for transport.

RECEIVED  
OCT 25 12 40 PM '83  
DIVISION OF AIR 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	DESIGN.	API	OLD	NEW	DESIGN.	API
			037-				037-
8	"WNF-I"	8	22620	"American Can"	1	"WNF-I"	12 21433
10	"WNF-I"	10	22611	"	2	"WNF-I"	15 21644
18	"WNF-I"	18	22853	"	3	"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	"	2	"WNF-I"	5 21753
27	"WNF-I"	27	22673	"	3	"WNF-I"	4 21754
28	"WNF-I"	28	22674	"Sanitation Unit"	1	"WNF-I"	21 21445
29	"WNF-I"	29	22648	<u>Sec. 20-4S-13W</u>			
43	"WNF-I"	43	22682	31	"WNF-I"	31 22767	36 "WNF-I" 36 22769
<u>Sec. 20-4S-13W</u>				33	"WNF-I"	33 22768	37 "WNF-I" 37 22796
42	"WNF-I"	42	22689	34	"WNF-I"	34 22787	38 "WNF-I" 38 22752
44	"WNF-I"	44	22820	35	"WNF-I"	35 22795	39 "WNF-I" 39 22754

M. G. MEFFERD, State Oil and Gas Supervisor

By Richard C. Gaede

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 CORP.  
Box "9"  
Signal Hill, CA 90801

Long Beach, Calif.  
August 24, 1983

Your operations at well 49, API No. 037-22886  
Sec. 29, T. 4S, R. 13W S.B. B. & M. Wilmington Field, in Los Angeles County,  
were witnessed on 8/1/83 by S. Mulqueen, Engineer, representative of  
the supervisor, was present from 1630 to 1730. There were also present Roy Napier,  
Drilling Foreman  
Present condition of well: 16" cem 60'; 10-3/4" cem 610'; 7" cem 4231', perf 4198' WSO.  
TD 4335' (drilling).

The operations were performed for the purpose of testing the 7" shut-off at 4198' with a  
formation tester.

DECISION: APPROVED

NOTE: DEFICIENCIES TO BE CORRECTED  
NONE

DEFICIENCIES CORRECTED  
NONE

CONTRACTOR - Cal Pacific Drilling Company, Inc.

SM: csm

cc: Update

S. L. CORDOVA  
ACTING STATE OIL AND GAS SUPERVISOR  
By [Signature]  
DEPUTY SUPERVISOR  
V.F. GAEDE

DIVISION OF OIL AND GAS

FORMATION

WATER SHUTOFF TEST

No. T

183615

Operator XTRA ENERGY CORP.

Well designation 49 Sec. 29, T. 4S, R. 13W, S3 B. & M.

Field WILMINGTON, County LOS ANGELES was tested for water shutoff on 8-1-83. (Name) S. MULQUEEN, representative of the supervisor, was present from 1630 to 1730. Also present were ROY NAPIER, D.F.

Casing record of well: 16" cem 60'; 10 3/4" cem 610'; 7" cem 4231'; PERF 4198' WSO. ID 4335' (drilling).

The operations were performed for the purpose of (D1) 7" @ 4198'

- The 7 " shutoff at 4198 ' 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: 9 7/8 " fr. 615 ' to 4335 ' ; \_\_\_\_\_ " to \_\_\_\_\_ ' ; & \_\_\_\_\_ " 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 4231'	7-31	FLOAT COLLAR @ 4153'	671cf	1875±	4153'	-	2000#	-

Depth or interval tested FOUR 3/8" HOLES @ 4198' - 4199'  
 The hole was open to 4210 ' for test.

FORMATION TEST:

Packer(s) 4140 ' & - ' Tail 4155 ' Bean size 3/4 " Cushion -  
 IHP 1701 IFP 26 FFP 39 FHP 1649  
 Blow MED. - LT. 10 MIN., DEAD FOR REMAINDER OF TEST  
 Open for test 1 Hr. - min. Fluid entry 35' MUD (10.9#/g)

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

*NONE*

CONTRACTOR

*CAL PACIFIC DRILLING COMPANY, INC.*

**DIVISION OF OIL AND GAS**

**Report on Operations**

SEC. 3606 WELL

John D. Carmichael, Agent  
XTRA ENERGY CORP.  
Box "9"  
Signal Hill, CA 90801

Long Beach, Calif.  
August 24, 1983

Your operations at well 49, API No. 037-22886  
Sec. 29, T. 4S, R. 13W, S.B. B. & M. Wilmington Field, in Los Angeles County,  
were witnessed on 7/25/83 by S. Mulqueen, Engineer, representative of  
the supervisor, was present from 1030 to 1130. There were also present Roy Napier,  
Drilling Foreman  
Present condition of well: 16" cem 60'; 10-3/4" cem 610'. 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. Tested check valve  
(Installed bleed-off valve on pump)
2. "P" report posted at site

CONTRACTOR - Cal Pacific Drilling Company, Inc.

SM: csm

cc: Update

S. CORDOVA  
ACTING STATE OIL AND GAS SUPERVISOR  
By [Signature]  
DEPUTY SUPERVISOR  
V.F. GAEDE

DIVISION OF OIL AND GAS  
**BLOWOUT PREVENTION EQUIPMENT MEMO**

RM 8-23-83  
 T 183-616

Operator XTRA ENERGY CORP. Well 49 Field WILMINGTON County LOS ANGELES

**VISITS:** Date 7-25-83 Engineer S. MULQUEEN Time 1030 to 1130 Operator's Rep. ROY NAPIER Title D.F.  
 2nd \_\_\_\_\_ to \_\_\_\_\_

Casing record of well: 16" CEM 60'; 10 3/4" CEM 610'. TD 615' (DRILLING).

**OPERATION:** Testing (~~installing~~) the blowout prevention equipment and installation.  
**DECISION:** The blowout prevention equipment and its installation on the 10 3/4" casing are approved.

**REQUIRED**  
**BOPE CLASS:** III B 2M

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

CASING RECORD (BOPE ANCHOR STRING ONLY)							Cement Details			Top of Cement			
Size	Weight(s)	Grade(s)	Shoe at	CP at	CEM W/ 853 CF F.C @			Casing	Annulus				
10 3/4	40.5	J-55	610'	-	610' 7-24-83			580'	SURFACE				
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.
A	13 3/8	SHAFCO	"GK"	13 3/8"	3000	7-23-83						7-25	1000
RD	4 1/2	"	B	"	"	6-1-83						7-25	1000
RD	CSO	"	B	"	"	"						7-25	1000
							REPORTED BY ROY NAPIER						
ACTUATING SYSTEM							AUXILIARY EQUIPMENT						
Accum. Unit(s) Wkg. Press. <u>3000</u> psi							Connections						
Total Rated Pump Output _____ gpm							No. Sz. (in.) Rated Press.						
Distance From Well Bore <u>80</u> ft.							Weld Flan. Thrd.						
Mfr. Accum. Cap. Precharge							X Kill Line						
1 <u>ROOMEY</u> <u>90</u> gal. <u>1000</u> psi							X Control Valve(s) <u>2</u> " " " 1000						
2 _____ gal. _____ psi							X Check Valve(s) <u>1</u> " " " _____						
CONTROL STATIONS Elec. Hyd.							X Auxil. Pump Connec. " " " 1000						
X Manif. at accum. unit _____ ✓							X Choke Line <u>2+3</u> 3000 ✓ ✓ ✓ 1000						
Remote at Drlr's. stn. _____							X Control Valve(s) <u>B</u> " " " 1000						
Other: <u>PNEUMATIC</u>							X Pressure Gauge _____						
EMERG. BACKUP SYST. Press. Wkg. Fl.							X Adjustable Choke(s) <u>2</u> <u>3</u> " " " _____						
X N2 Cyl No. <u>2</u> Type: <u>1</u> <u>2100</u> <u>6.4</u> gal.							X Bleed Line _____						
Other: _____							X Upper Kelly Cock _____ 1000						
_____ gal. _____							_____ Lower Kelly Cock _____						
_____ gal. _____							X Standpipe Valve _____						
_____ gal. _____							X Standpipe Pressure Ga. _____						
_____ gal. _____							X Pipe Safety Valve <u>4 1/2</u> 5000 _____						
_____ gal. _____							X Internal Preventer <u>4 1/2</u> " " _____						
HOLE FLUID MONITORING EQUIPMENT							REMARKS: NOT ABLE TO TEST CHECK VALVE ON KILL LINE (NO BLEED-OFF VALVE ON PUMP, OTHER PUMP IS DOWN), "P" REPORT NOT @ SITE						
X Calibrated Mud Pit Alarm Aud. Vis. A													
X Pit Level Indicator _____ ✓ _____ B													
X Pump Stroke Counter _____ ✓ _____													
X Pit Level Recorder _____ ✓ _____													
Flow Sensor _____ C													
Mud Totalizer _____													
Calibrated Trip Tank _____													
Other: _____													
							Hole Fluid Type		Weight		Storage Pits		
							CLAY BASE		9.9		350 BBL		

DEFICIENCIES—CORRECTED

NOXIE

DEFICIENCIES—CORRECTED

1. TESTED CHECK VALVE  
(INSTALLED BLEED-OFF VALVE ON PUMP)
2. "P" REPORT POSTED AT SITE

CONTRACTOR

CAL PACIFIC DRILLING COMPANY, INC.



**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. <input type="checkbox"/> S.C.H. NO. _____	E.I.R. <input type="checkbox"/> S.C.H. NO. _____	DOCUMENT NOT REQUIRED BY LOCAL JURISDICTION <input type="checkbox"/>
See Reverse Side			

FOR DIVISION USE ONLY					
MAP	MAP BOOK	CARDS	BOND	FORMS	
				114	121
128	P.M.C. 1/18/83	no cards	12	4/21/83	4/21/83

In compliance with Section 3203, Division 3, Public Resources Code, notice is hereby given that it is our intention to commence drilling well #49, API No. 037-22886  
(Assigned by Division)

Sec. 29, 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 . If answer is no, attach legal description of both surface and mineral leases, and map or plat to scale.

Location of well 493 feet N ~~along section property line~~ and 833 feet E  
(Direction) (Cross out one) (Direction)

at right angles to ~~section line from the~~ ~~corner of section property~~ ~~XXXXXXXXXXXX~~  
(Cross out one)  
from the intersection of the centerlines of Main Street and Lomita Blvd.

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:  
1680 feet South and 1682 feet East  
(Direction) (Direction)

Elevation of ground above sea level 39 feet.

All depth measurements taken from top of KB 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	4237'	4237'	2228'
5"	18#	K-55	4167	4387'	wire wrapped "pipeless" screen with 0.012" slots	

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

Intended zone(s) FB I  
of completion Ranger, 4237', 1200 psi Estimated total depth 4387'  
(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 Corp.</u>		Type of Organization (Corporation, Partnership, Individual, etc.) <u>Corporation</u>	
Address <u>2501 Cherry Avenue Suite 270</u>		City <u>Signal Hill</u>	Zip Code <u>90806</u>
Telephone Number <u>(213)424-8549</u>	Name of Person Filing Notice <u>John D. Carmichael</u>	Signature <u>John D. Carmichael</u>	Date <u>6/16/83</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: PO 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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 DIV. OF LANDS  
 LONG BEACH

XTRA ENERGY CORPORATION

PROGRAM FOR DRILLING

WELL No. 49

Reference Point: KB which is 22' above G. E.  
Surface Location: Lambert Coordinates N-4,039,621 E-4,205,434  
Bottom Hole Location: Lambert Coordinates N-4,037,941 E-4,207,116  
Elevation: 39' GE + 22' KB = 61'

Proposed Casing Program:

10-3/4" 40.5 # to be cemented at 600'  
7 " 23 # to be cemented at 4237'  
5 " 18 # to be hung at 4387', top @ 4167'.

Perfs: 4237' to 4387' Wire wrapped pipeless Johnson Screen liner with  
0.012" slots.

Proposed Hole Size:

0' to 600' 14-3/4" hole  
600' to 4387' 9-7/8" hole  
4237' to 4387' 9-7/8" hole to be underreamed to 12".

Proposed Total Depth: 4387'

Directional Program

Deflect hole at 500' and increase inclination at 4°/100' in a S 45° 2' E direction to 55° at 1875'. Maintain 55° inclination to a depth of 3045'. Drop angle at 2°/100' to a total depth of 4387'. Target is a 100' diameter circle with its center 1680' South and 1682' East of the surface site. A total displacement of 2378'.

Mud Program

1. For drilling from surface to 600', use a safe fresh water clay base mud.
2. For drilling from 600' to 4387', 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. 49

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  $\pm$  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% CaCl<sub>2</sub>.
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 4387'.
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 4237'. 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 267 sacks of class G cement mixed 1:1:4 (cement:perlite:gel) mixed with 2% CaCl<sub>2</sub>, followed by 100 sacks of G cement, neat. Cement to reach 1750' TVD.

Page three

9. After 24 hours, clean out cement to 4227' (+ 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 4237' and clean out to 4387'.
11. Change over to Polymer completion fluid.
12. Underream 9-7/8" hole to 12" from the 7" casing shoe to total depth. Run Caliper log.
13. Make up and run 5", 18#, K-55 liner as directed.
14. Gravel pack 5" x 12" annulus with 95 CF of 20 - 40 mesh gravel.
15. Displace Polymer mud in hole with salt water and close in.
16. Move out rotary equipment.

No. 49  
TLL:JDC:sc  
6-16-83

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DEPT OF OIL AND GAS  
LONG BEACH, CA.