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

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	New Owner	Operator code	Type of Organization
8/1/2010	E & B Natural Resources Management Corp.	E0100	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	Signature
Kenneth Carlson	For Chris McCullough, Associate Engineer

OPERATOR STATUS ABBREVIATIONS

	FORM AND RECORD CHECK LIST					
PA - Producing Active						
NPA - No Potential Active	**Form or record**	**Initials**	**Date**	**Form or record**	**Initials**	**Date**
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

DIVISION OF OIL AND GAS
CHECK LIST - RECORDS RECEIVED AND WELL STATUS

Company Ytu Energy Corp Well No. "WNF-I" 51
API No. 037-23885 Sec. 29, T. 4S, R. 13W, SB B.&M.
County _____ Field Wilmington

RECORDS RECEIVED	DATE
Well Summary (Form OG100)	10/21/83 (2)
History (Form OG103)	10/21/83 (2)
Core Record (Form OG101)	
Directional Survey	10/21/83 (2)
Sidewall Samples	
Other	
Date final records received	
Electric logs: Dual induct 275	10/21/83 (2)

STATUS		STATUS	
Producing - Oil	✓	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		CO_2 Injection	
Abandoned - Gas		LPG Injection	
Gas-Open to Oil Zone		Observation	
Water Flood Source			

DATE 7-8-83
RECOMPLETED
REMARKS

ENGINEER'S CHECK LIST

1. Summary, History, & Core record (dupl.) ✓ ✓
2. Electric Log ✓
3. Operator's Name
4. Signature
5. Well Designation
6. Location
7. Elevation
8. Notices ✓
9. "T" Reports ✓
10. Casing Record
11. Plugs
12. Surface Inspection
13. Production
14. E Well on Prod. Dir. Sur. ✓

CLERICAL CHECK LIST

1. Location change ____ (F-OGD165)
2. Elevation change ____ (F-OGD165)
3. Form OGD121
4. Form OG159 (Final Letter)
5. Form OGD150b (Release of Bond)
6. Duplicate logs to archives
7. Notice of Records due (F-OGD170)

TD 4407'

UPDATE CENTER 12/16/83

RECORDS NOT APPROVED
Reason:

RECORDS APPROVED 11-18-83

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

LONG BEACH OFFICE - USE REVERSE SIDE

OGD2 (12/80/DWRR/5M)

CHECK LIST - RECORDS RECEIVED AND WELL STATUS

Well No._____

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

WORK PERFORMED	STATUS	DATE
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_____ OG159____
and
File cleared _____ OGD121____

OGD2 (LONG BEACH)

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

API No. 037-22885

WELL SUMMARY REPORT

Operator	Well
Xtra Energy Corporation	WNF-I 51

Field	County	Sec.	T.	R.	B.&M.
Wilmington	Los Angeles	29	4S	13W	S.B.

Location (Give surface location from property or section corner, street center line and/or California coordinates)
502' North and 820 feet East from the intersection of the centerlines of Main St. and Lomita Blvd in Carson.

Elevation of ground above sea level

Commenced drilling (date): June 27, 1983

Completed drilling (date): July 8, 1983

Commenced producing (date)

☐ Flowing ☐ Pumping
☐ Gas lift

Name of producing zone(s): Ranger

Total depth (1st hole)	(2nd)	(3rd)
4607'		

Present effective depth: 4607'

Junk

Depth measurements taken from top of: ☐ Derrick Floor ☐ Rotary Table ☒ Kelly Bushing

Which is 22 feet above ground

GEOLOGICAL MARKERS	DEPTH
"F" Marker	4391'

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						
Production After 30 days						

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	606'	40.5#	K-55	New	14 3/4"	500 sx	
7"	Surf	4393'	23#	K-55	New	9 7/8"	445 sx	
5"	4348'	4545'	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/ 110 sx of 20-40 mesh gravel. See attached liner detail.

Was the well directionally drilled? If yes, show coordinates at total depth
☒ Yes ☐ No 1038' South & 2339' East of Surf location TVD = 3426'

Electrical log depths
4592' to 606'

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	Title
Xtra Energy Corporation	Senior Vice President

Address	City	Zip Code
2501 Cherry Avenue Suite 270	Signal Hill CA	90806

Telephone Number	Signature	Date
(213) 424-8549	John D. Carmichael	July 20, 1983

SUBMIT IN DUPLICATE

OG100 (3/82/GSR1/5M)

SUBMIT IN DUPLICATE

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS

History of Oil or Gas Well

Operator Xtra Energy Corp. Field Wilmington County Los Angeles
Well "WNF-I" 51, Sec. 29, T 4S, R 13W, S.B. B. & M.
A.P.I. No. 037-22885 Name John D. Carmichael (Person submitting report) Title Senior Vice President (President, Secretary or Agent)
Date July 8, 19 83

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	
6-27-83	MI fr Well No. 53, RU, spud in @ 8 P.M. Drld 14-3/4" hole fr 60' to 327' @ 6 A.M. CB mud wt 70#/CF, Vis 49", WL 14.0 cc, Cake 2/32", Solids 8.0%, Sand 1.5%, 2500 ppm Cl, Oil 1.0%, pH 10.1.
6-28-83	Cont'd drlg 14-3/4" hole fr 327' to 615', circ cln, POH, H & H Tong Serv ran 15 jts, 608' of 10-3/4", 40.5# K-55 csg, Dowell pmpd 10 bbls dye wtr, 300 sx "G" cmt mxd 1:1:4, 150 sx neat "G" cmt, all cmt mxd w/2% $CaCl_2$, had full circ thru out job but no cmt to surf, left 27 CF on top of stab in shoe, POH, did 50 sx top job thru 90' of 1" tbg, good cmt rtns, total of 856 CF of cmt, CIP @ 5 P.M. WOC, cut off 28.00' of 10-3/4" csg, weld on csg head, now N/U BOP @ 6 A.M. SS @ 601', 0° 15. CB mud wt 70#/CF, Vis 45", WL 12.0 cc, Cake 2/32", Solids 10.0%, Sand 0.5%, 4500 ppm Cl, Oil 1.0%, pH 9.5.
6-29-83	Fin N/U BOP, tst w/1000 psi OK, RIH w/9-7/8" drlg assy, tst w/1000 psi OK by DOG, C/O fr 596' to shoe, D/O shoe, C/O to 615', drld 9-7/8" hole to 750', RT for Dynadril, drld & surveyed 9-7/8" hole fr 750' to 1543', C & C mud, POH to chng to angle bldg assy @ 6 A.M. SS @ 1468', 26° 45', S 66° 30' E, hole is 6.5' rt & 16' hi. CB mud wt 70#/CF, Vis 40", WL 11.0 cc, Cake 2/32", Solids 10.0%, Sand 1.0%, 3800 ppm Cl, Oil 0.0%, pH 10.6.
6-30-83	RIH w/angle bldg assy, drld & surveyed 9-7/8" hole fr 1543' to 2403', RT for locked in assy, cont'd drlg & surveying fr 2403' to 2616' @ 6 A.M. SS @ 2616', 58°, S 62° E, hole is 22' hi & 1' rt. CB mud wt 74#/CF, Vis 47", WL 4.4 cc, Cake 2/32", Solids 11.0%, Sand 0.5%, 2500 ppm Cl, Oil 9.0%, pH 9.2.
7-1-83	Cont'd drlg & surveying 9-7/8" hole fr 2616' to 3368', made wiper trip @ 3300', OK, SS @ 3325', 57° 15', S 65° E, hole is 7' left & 2' hi. CB mud wt 75#/CF, Vis 48", WL 4.5 cc, Cake 2/32", Solids 12.0%, Sand 0.25%, 2000 ppm Cl, Oil 8.0%, pH 9.6.

7-2-83 C & C mud, RT for angle dropping assy, cont'd drlg & surveying fr 3368' to 4102' @ 6 A.M. SS @ 3979', 50° 45', S 66° E, hole is 6.5' left & 11' lo. CB mud wt 75#/CF, Vis 45", WL 4.5 cc, Cake 2/32", Solids 12.0%, Sand 0.25%, 2000 ppm Cl, Oil 7.0%, pH 8.8.

7-3-83 C & C mud, RTCB, cont'd drlg & surveying 9-7/8" hole fr 4102' to 4607', made wiper trip, now C & C mud for logs @ 6 A.M. SS @ 4607', 46°, S 67° E, hole is 15' left & 12' lo. CB mud wt 76#/CF, Vis 47", WL 4.4 cc, Cake 2/32", Solids 12.5%, Sand 0.25%, 1900 ppm Cl, Oil 6.0%, pH 8.7.

7-4-83 C & C mud for logs, POH, Sch ran IES fr 4607' to 606'. RIH w/9-7/8" bit, C & C mud, POH & LD 4-1/2" DP, H & H Tong Serv ran 123 jts 7", 23#, K-55, Buttress csg, FS @ 4393', FC @ 4321', Dowell pmpd 80 CF mud sweep, 345 sx class "G" cmt mxd 1:1:4, 100 sx "G" cmt mxd w/0.5%, TIC, dsplsd w/960 CF of mud, bmpd plg w/ 1000 psi, CIP @ 5:50 A.M. CB mud wt 76#/CF, Vis 48", WL 4.4 cc, Cake 2/32", Solids 12.5%, Sand 0.25%, 1800 ppm Cl, Oil 6.0%, pH 9.0.

7-5-83 Rmvd BOP, cut off 33.24' of 7" csg, weld on tbg head, instld BOP, RIH, P/U 3-1/2" DP, fnd cmt @ 4305', drld & C/O cmt to 4380', C & C mud, POH, RIH w/Howco WSO tstr to 4376' @ 6 A.M. CB mud wt 74#/CF, Vis 43", WL 6.1 cc, Cake 2/32", Solids 11.5%, Sand 0.25%, 1600 ppm Cl, Oil 5.0%, pH 10.4.

7-6-83 Perf'd 4 1/2" holes @ 4376', set pkr @ 4340' for WSO, opn tool, lt blo for 5 min then dead throughout test, POH, test OK'd by DOG, RIH w/6-1/4" bit to 4607', chng over to polymer mud, RIH w/King under reamer, opnd 9-7/8" hole to 12" fr 4393' to 4545', regauge hole, circ cln, POH, RIH w/138' of Johnson pipeless stainless steel wire wrapped lnr, shoe @ 4545', RU Nelson gvl pk eqpt, start circ @ 6 A.M. Polymer mud wt 73#/CF, Vis 40", WL 12.0 cc, Cake - film, Solids 3.0%, Sand - trace, 122,000 ppm Cl, Oil - trace, pH 9.5.

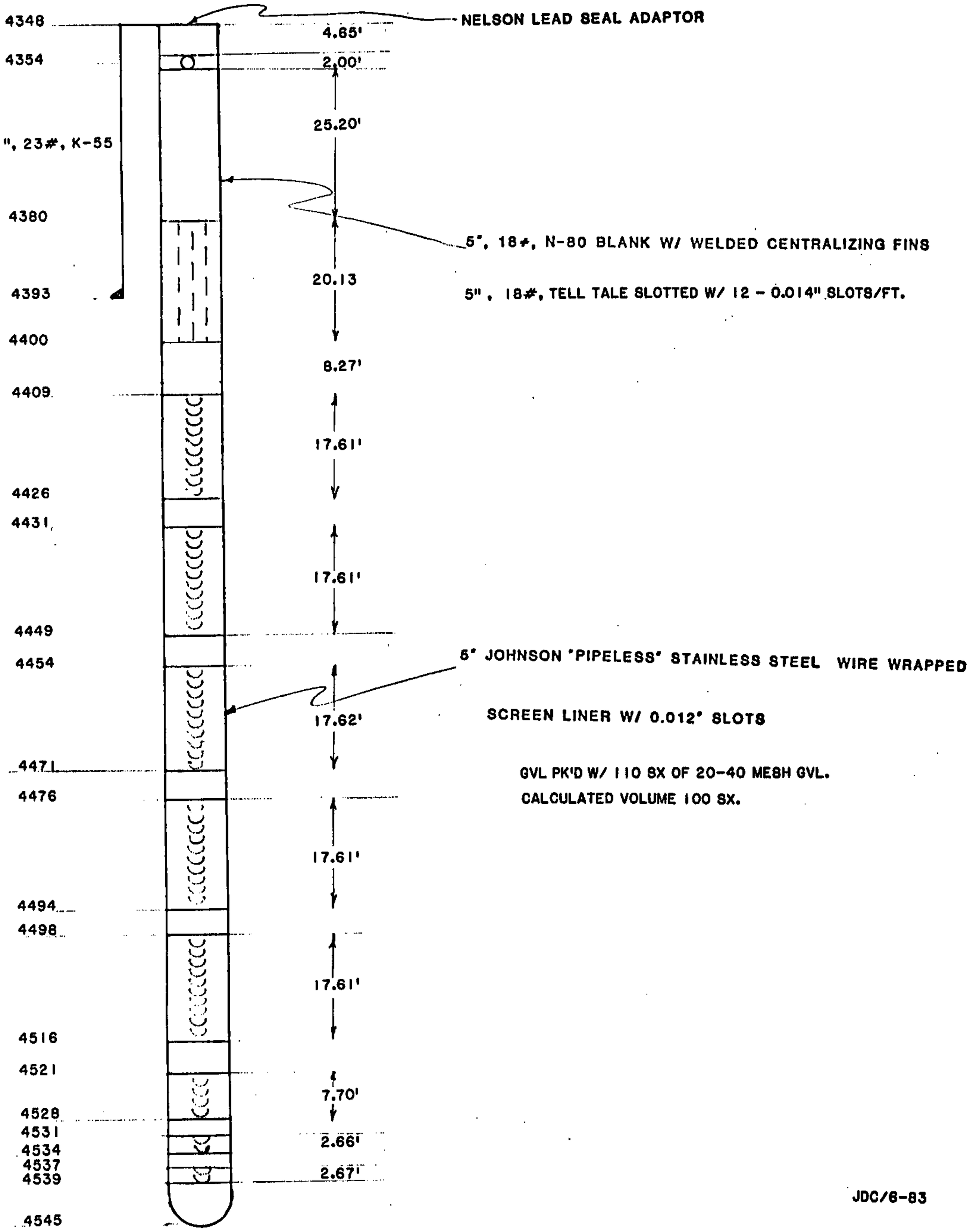
7-7-83 Gvl pkd lnr w/110 sx of 20-40 mesh gvl, Calc vol 100 sx, press increased fr 600 psi to 1000 psi, circ out, chng over to lease SW, POH, RIH w/lead seal, set w/ top @ 4347.58', POH & LD 3-1/2" DP, rmvd BOP @ 6 A.M.

7-8-83 RR @ 8 A.M. RD to move to WNF-I # 50.

XTRA ENERGY CORP.

LINER DETAIL

~~WELL NO.~~ "WNF-I" 51



JDC/6-83

WELL NO. WNF-I #51

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 well(s) in Sec. see below, T. 4S, R. 13W, S.B. 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 037-
8	"WNF-I"	8	22620
10	"WNF-I"	10	22611
18	"WNF-I"	18	22853
19	"WNF-I"	19	22846
20	"WNF-I"	20	22652
23	"WNF-I"	23	22672
26	"WNF-I"	26	22666-01
27	"WNF-I"	27	22673
28	"WNF-I"	28	22674
29	"WNF-I"	29	22648
43	"WNF-I"	43	22682

Sec. 20-4S-13W

42	"WNF-I"	42	22689
44	"WNF-I"	44	22820

OLD		NEW		API 037-
"American Can"	1	"WNF-I"	12	21433
"	2	"WNF-I"	15	21644
"	3	"WNF-I"	3	21768
"Dasco Unit"	1	"WNF-I"	1	21671
I-14		"WNF-I"	11	22603
"Purex Unit"	1	"WNF-I"	9	21669
"	2	"WNF-I"	5	21753
"	3	"WNF-I"	4	21754
"Sanitation Unit"	1	"WNF-I"	21	21445

Sec. 20-4S-13W

31	"WNF-I"	31	22767	36	"WNF-I"	36	22769
33	"WNF-I"	33	22768	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. Thomas
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

OLD	NEW	API 037-
"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

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

No. T 183-523

DIVISION OF OIL AND GAS

Report on Operations

SEC. 3606 WELL

John D. Carmichael, Agent
XTRA ENERGY CORPORATION
Box "9"
Signal Hill, CA 90806

Long Beach, Calif.
July 25, 1983

Your operations at well 51, API No. 037-22885, Sec. 29, T. 4S, R. 13W S.B. B.& M. Wilmington Field, in Los Angeles County, were witnessed on 6/28/83. R. Navia, Engineer, representative of the supervisor, was present from 0800 to 0845. There were also present R. Napier, Drilling Foreman

Present condition of well: 10-3/4" cem 606'. 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. Fill-up line not connected
2. No P Report at the site

CONTRACTOR - Cal Pacific Drilling Co.

RN:csm

cc: Update

SI CORDOVA
ACTING State Oil and Gas Supervisor

By
ACTING Deputy Supervisor
V.F. GAEDE

OG109(12-80-15M)

DIVISION OF OIL AND GAS
BLOWOUT PREVENTION EQUIPMENT MEMO

T 1S-3-22

Operator Xtra Energy Corp Well No. 51 Field Wilmington County LA

VISITS:	Date	Engineer	Time		Operator's Rep.	Title
1st	6/28/83	R. Navia	0800	to 0845	R. Napier	DF
2nd				to		

Casing record of well: 10 3/4 cem 606'. TD 615' (drilling).

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

REQUIRED BOPE CLASS: III B-2M

Proposed Well Opns: Drill MPSP: _____ psi
Hole size: 14 3/4" fr. 0 ' to 615 ', _____" to _____ ' & _____" to _____ '

CASING RECORD (BOPE ANCHOR STRING ONLY)					Cement Details	Top of Cement	
Size	Weight(s)	Grade (s)	Shoe at	CP at	856 cf class "G"	Casing	Annulus
10 3/4"	40.5 #	J-55	606'		(stabbed-in shoe)	565±	returns

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 5/8	Shafco	—	13 5/8	3000	—						6/28	1000
Rd	4 1/2	Shaffer	B	"	"	—						"	"
Rd	CSO	"	B	"	"	—						"	"

ACTUATING SYSTEM

Accum.Unit(s) Wkg.Press. 3000 psi
Total Rated Pump Output — gpm
Distance From Well Bore 100 ft.

	Mfr.	Accum. Cap.	Precharge
1	Koomey	90 gal.	1000 psi
2		gal.	psi

CONTROL STATIONS	Elec.	Hyd.
X Manif. at accum.unit		✓
X Remote at Drlr's stn.		✓
Other:		

EMERG. BACKUP SYST.	Press.	Wkg.Fl.
X N2 Cyl No:2 Tpe:-	12100	gal
Other:	22150	gal
	3	gal
	4	gal
	5	gal
	6	gal

AUXILIARY EQUIPMENT

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

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

REMARKS:

Note: Fill-up line was hooked in before D.O.G. Engr left the site.

Hole Fluid Type	Weight	Storage-Pits
Clay base	9.8 ppg	350 bbls

OGD9 (2/82/DWRR/3M)

DEFICIENCIES—TO BE CORRECTED

None

DEFICIENCIES—CORRECTED

1) Fill-up line not connected.
2) No Preport at the site.

CONTRACTOR

Cal Pacific Drilling Co.

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

No. T 183-524

DIVISION OF OIL AND GAS

Report on Operations

SEC. 3606 WELL

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

Long Beach, Calif.
July 22, 1983

Your operations at well 51, API No. 037-22885, Sec. 29, T. 4S, R. 13W S.B. B.& M. Wilmington Field, in Los Angeles County, were witnessed on 7/5/83. R. Navia, Engineer, representative of the supervisor, was present from 0930 to 1030. There were also present Floyd Million, Drilling Foreman

Present condition of well: 10-3/4" cem 606'. 7" cem 4393', perf 4376' WSO., TD 4607' (Drilling)

The operations were performed for the purpose of testing the 7" shut-off at 4376' with a formation tester.

DECISION: APPROVED

NOTE: DEFICIENCIES TO BE CORRECTED
NONE

DEFICIENCIES CORRECTED
NONE

CONTRACTOR - Cal Pacific Drilling Co.

RN:csm

cc: Update

Acting S.I. CORDOVA
State Oil and Gas Supervisor

By Acting Deputy Supervisor
V.F. GAEDE

OG109(12-80-15M)

Form OGD8 (8/80)

DIVISION OF OIL AND GAS

Formation WATER SHUTOFF TEST

RM 7-21-83 No. T 18-57

Operator Xtra Energy Corp.

Well designation No. 51 Sec. 29, T. 4S, R. 13W, SB B.&M.

Field Wilmington, County LA was tested for water shutoff on 7/5/83. (Name) R. Navia, representative of the supervisor, was present from 0930 to 1030. Also present were Floyd Million, D.F.

Casing record of well:

10 3/4" cem 606', 7" cem 4393', perf 4376' WSO.
TD 4607' (drilling).

The operations were performed for the purpose of (D-1) 7" @ 4376'.

☒ The 7" shutoff at 4376' 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. 606' to 4607'; _____" 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	4393'	7/4	FC @ 4314' (burned plug)	930 cf	—	4314'	—	—	

C/O to 4380'.

Depth or interval tested 4 1/2" holes @ 4376

The hole was open to 4380' for test.

FORMATION TEST:

Packer(s) 4343' & _____' Tail 4365' Bean size 0.62" Cushion None

IHP 1713/1715 IFP 27/26 FFP 27/26 FHP 1713/1715

Blow Light blow for 5 minutes dead for remainder

Open for test _____ Hr. 60 min. Fluid entry 8' (drilling mud) 9.9 ppg

BAILING TEST:

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

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

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 _____')

. . . 13—TO BE CORRECTED

None

E. DEFICIENCIES—CORRECTED

None

CONTRACTOR

Cal Pacific Drilling Co.

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

No. P 183-408

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

REPORT ON PROPOSED OPERATIONS

SEC. 3606 WELL

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

Long Beach, California
June 24, 1983

Your _____ proposal to drill well 51, A.P.I. No. 037-22885, Section 29, T. 4S, R. 13W, S.B. B. & M., Wilmington field, F.B. I, Onshore area, Ranger pool, Los Angeles County, dated 6/16/83, received 6/17/83 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 IIIB-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 approx. 1700'.
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 ofthe 10-3/4" casing.
   b. To witness a test of the effectiveness of the 7" shut-off above the Ranger zone.

RCM:csm

cc: Update

BLANKET BOND

M. G. MEFFERD, State Oil and Gas Supervisor

By V.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.

OG111 (10/DWRR/5M)

OG

Sec. 3606

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS

Notice of Intention to Drill New Well

C.E.Q.A. INFORMATION			
EXEMPT [X] CLASS____	NEG. DEC. [ ] S.C.H. NO.____	E.I.R. [ ] S.C.H. NO.____	DOCUMENT NOT REQUIRED BY LOCAL JURISDICTION [ ]
See Reverse Side			

FOR DIVISION USE ONLY					
MAP	MAP BOOK	CARDS	BOND	FORMS 114	FORMS 121
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

In compliance with Section 3203, Division 3, Public Resources Code, notice is hereby given that it is our intention to commence drilling well #51, API No. 037-22885 (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 X. If answer is no, attach legal description of both surface and mineral leases, and map or plat to scale.

Location of well 502 feet N (Direction) ~~along section/property line~~ (Cross out one) and 820 feet E (Direction)

at right angles ~~to said line from the~~ ~~corner of section/property~~ (Cross out one) or 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 [X] No [ ]

If well is to be directionally drilled, show proposed coordinates (from surface location) at total depth: 1008 feet S (Direction) and 2242' feet E (Direction)

Elevation of ground above sea level 39 feet.

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

PROPOSED CASING PROGRAM

SIZE OF CASING INCHES API	WEIGHT	GRADE AND TYPE	TOP	BOTTOM	CEMENTING DEPTHS	CALCULATED FILL BEHIND CASING (Linear Feet)
10 3/4"	40.5#	K-55	Surf	600'	600'	600'
7"	23#	K-55	Surf	4465'	4465'	2715'
5"	18#	K-55	4395'	4615'	wire wrapped with 0.012"	"pipeless" screen slot.

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

Intended zone(s) of completion FB I Ranger, 3230' SS, 1200 psi (Name, depth, and expected pressure) Estimated total depth 4615'

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

Name of Operator		Type of Organization (Corporation, Partnership, Individual, etc.)	
Xtra Energy Corp.		Corporation	
Address		City	Zip Code
2501 Cherry Avenue Suite 270		Signal Hill	90806
Telephone Number	Name of Person Filing Notice	Signature	Date
(213)424-8549	John D. Carmichael	John D. Carmichael	6/16/83

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.

OG105 (1/82/DWRR/5M)

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 ☐ No ☐

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.

XTRA ENERGY CORPORATION

PROGRAM FOR DRILLING

WELL No. 51

Reference Point: KB which is 22' above G. E.

Surface Location: Lambert Coordinates N-4,039,630 E-4,205,421

Bottom Hole Location: Lambert Coordinates N-4,038,622 E-4,207,663

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 4465'
5 " 18 # to be hung at 4615', top @ 4395'.

Perfs: 4485' to 4615' Wire wrapped pipeless Johnson Screen liner with 0.012" slots.

Proposed Hole Size:

0' to 600' 14-3/4" hole
600' to 4465' 9-7/8" hole
4465' to 4615' 9-7/8" hole to be underreamed to 12".

Proposed Total Depth: 4615'

Directional Program

Deflect hole at 750' and increase inclination at 3-1/2°/100' in a S 65° 47' E direction to 59° at 2440'. Maintain 59° inclination to a depth of 3456'. Drop angle at 1-1/2°/100' to a total depth of 4615'. Target is a 100' diameter circle with its center 1008' South and 2242' East of the surface site. A total displacement of 2458'.

Mud Program

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

2. For drilling from 600' to 4615', 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%

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% $CaCl_2$.

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 4615'.

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 4465'. 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 345 sacks of class G cement mixed 1:1:4 (cement:perlite:gel) mixed with 2% $CaCl_2$, followed by 100 sacks of G cement, neat. Cement to reach 1750' TVD. Land Casing.

9. After 24 hours, clean out cement to 4455' (± 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 4465' and clean out to 4615'.

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. 51
TLL:JDC:sc
6-15-83