

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

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

Company XTRA Energy Corp. Well No. "WNP-I" 37
 API No. 037-22796 Sec. 20, T. 4S, R. 13W, S.B. B.&M.
 County Los Angeles Field Wilmington

RECORDS RECEIVED DATE

Well Summary (Form OG100) _____
 History (Form OG103) _____
 Core Record (Form OG101) _____
 Directional Survey 2-11-91 (2)
 Sidewall Samples _____
 Other _____
 Date final records received _____
 Electric logs: DIL 2-91 (1)

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 _____
 Gas Storage _____ Waterflood Source _____
 DATE 2/91 "E" well Yes No
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., enter EDP _____
15. Directional Survey _____

CLERICAL CHECK LIST

1. Location change (F-OGD165) _____
2. Elevation change (F-OGD165) _____
3. Form OGD121 _____
4. Form OGD159 (Final Letter) _____
5. Form OGD150b (Release of Bond) _____
6. Duplicate logs to archives _____
7. Notice of Records due (F-OGD170) _____
8. EDP (F-OGD42A-1, 2) OK

UPDATE CENTER 11-20-91

RECORDS NOT APPROVED

Reason: ~~Handwritten note~~

RECORDS APPROVED DS 9/91

RELEASE BOND

Date Eligible _____
 (Use date last needed records were received.)

MAP AND MAP BOOK 0 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 _____

WELL SUMMARY REPORT

Operator: XTRA Energy Corporation Well: "WNF-137A"

Field: Wilmington County: Los Angeles Sec. 20 T. 4S R. 13W B.A.M. S.B.

Location (Give surface location from property or section corner, street center line and/or California coordinates):
195' North along property line + 992' East at right angles to said line from the S.E. corner of property which is the N.E. corner of Main St. + the

Elevation of ground above sea level: 36'

Was the well directionally drilled? Yes No If yes, show coordinates at total depth: AT + SF Right of Way 708' North + 2074' East

Commenced drilling (date) <u>1/5/91</u>	Total depth			Depth measurements taken from top of: <input type="checkbox"/> Derrick Floor <input type="checkbox"/> Rotary Table <input checked="" type="checkbox"/> Kelly Bushing Which is <u>13</u> feet above ground
	(1st hole) <u>4917</u>	(2nd) <u>4460</u>	(3rd)	
Completed drilling (date) <u>1/29/91</u>	Present effective depth <u>4438'</u>			GEOLOGICAL MARKERS
Commenced Production (date) <u>2/1/91</u>	Junk <u>None</u>			
Production mode: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas lift	Name of production/injection zone(s) <u>Ranger</u>			Formation and age at total depth
				Base of fresh water

	Clean Oil (bbl per day)	API Gravity (clean oil)	Percent Water (including emulsion)	Gas (Mcf per day)	Tubing Pressure	Casing Pressure
Initial Production	<u>34.1</u>	<u>14</u>	<u>14.4</u>		<u>90</u>	<u>40</u>
Production After 30 days	<u>29.9</u>	<u>14</u>	<u>12.9</u>		<u>90</u>	<u>40</u>

CASING AND CEMENTING RECORD (Present Hole)

Size of Casing (API)	Top of Casing	Depth of Shoe	Weight of Casing	Grade and Type of Casing	New (N) or Used (U)	Size of Hole Drilled	Number of Sacks or Cubic Feet of Cement	Depth of Cementing (if through perforations)	Top(s) of Cement in Annulus
<u>10 3/4"</u>	<u>Surface</u>	<u>608'</u>	<u>40.5#</u>	<u>K-55</u>	<u>New</u>	<u>14 3/4"</u>	<u>648 CF</u>		<u>surface</u>
<u>7"</u>	<u>Surface</u>	<u>4325'</u>	<u>23#</u>	<u>K-55</u>	<u>New</u>	<u>9 7/8"</u>	<u>894 CF</u>		
<u>7"</u>	<u>Surface</u>	<u>4325'</u>	<u>23#</u>	<u>K-55</u>	<u>New</u>	<u>9 7/8"</u>	<u>40 CF</u>	<u>4304'</u>	
<u>5 1/2"</u>	<u>4214'</u>	<u>4438'</u>	<u>17#</u>		<u>New</u>	<u>13"</u>			

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

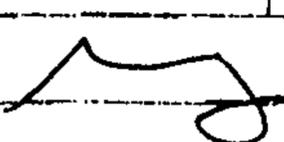
5 1/2", Top - 4214', Bottom - 4438',

Logs/surveys run? Yes No If yes, list type(s) and depth(s):
Schlumberger Dual Induction - SFL 550' - 4329'

In compliance with Sec. 3216, 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: STEVE T. LAMIRA Title: Prod. Supt.

Address: 14771 FLORIDA RD City/State: LA MIRADA CA Zip Code: 90638

Telephone Number: (714) 521-0443 Signature:  Date: 8-25-91

RECEIVED
91 AUG 27 PM 2:02
JAMES H. OIL & GAS
LONG BEACH, CA

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

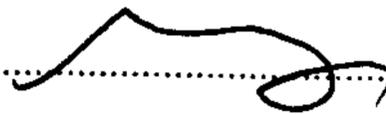
DIVISION OF OIL AND GAS

"WNF-I" 37

History of Oil or Gas Well

Operator XTRA ENERGY CORPORATION Field WILMINGTON County LOS ANGELES
Well "WNF-I" 37 Sec. 20., T. 4S., R. 13.W., SB. B. & M.
A.P.I. No. 03722796 Name STEVE LANG Title AGENT
Date APRIL 16, 1991 (Person submitting report) (President, Secretary or Agent)

Signature



PO BOX 9, LONG BEACH CA 90801-0009

(Address)

(213) 549-6984

(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

Date	Description
2/13/90	MI. RU RIG. ND TREE. NU BOP. ROTTATED TBG TO RELEASE TO GET J-LATCH OFF PKR.
2/14/90	POH & LD PKR. WIH W/ 7 JTS 2 3/8" TBG.
2/15/90	WIH W/ TBG TO 4,887'. RU B. J. TITAN. MIXED & PUMPED 113 cu/ft. CMT. DISPL. w/24 bbls FRESH WTR. POH TO 3,000'
2/16/90	SDFWE
2/17/90	SDFWE
2/18/90	RIH W/ TBG. TAG'D CMT @ 4,322'. DISPL. WELL 170 bbls OF 9.6 ppg CLAY BASE MUD. D.O.G. REPRESENTATIVE ARRIVED ON LOC. WIH & TAG'D CMT @ 4,322'. ALSO WITNESSED MUD & BOP. POH TO 2,452'. RU B. J. TITAN. PUMPED 87 sx CLASS "C" CMT.
2/19/90	RIH TAG'D CMT @ 2,025'. POH LD TBG. ND BOP.
2/20/90	CUT AND RECOVER 7" CSG @ 680'.
2/21/90	RIH W/ TBG & 45° PUP JT ON BTM TO 584'. UNABLE TO GO FURTHER. POH LD TBG. NU TREE. WAIT ON ROTARY RIG.
2/29/90	MI. RU ROTARY RIG.
1/3/91	
1/4/91	TIH w/ 9 7/8" BIT. CLEANED OUT HOLE TO 7" CSG. STUB @ 676'. SPOTTED 125 SX CMT. PLUG 722' - 444'. POH. WOC.
1/5/91	NU. BOPE & TST'D SAME (D.O.G. APPRV'D) TAG'D CMT @ 440'. DRILLED CMT FROM 440' TO 505'. TRIP FOR MUD MOTOR & DIRECTIONAL BHA. DRILLED CMT & FORM TO 680'.
1/6/91	DRILLED W/ MUD MOTOR 680' - 1,204'. POH LD MUD MOTOR & PU ANGLE BLDG BHA. DRILLED 1,204' - 1,274'
1/7/91	DRILLED TO 1,836'. TRIP FOR PACKED HOLE BHA; DRILLED TO 2,253'.
1/8/91	DRILL & SURVEY 2,253' - 3,005'.
1/9/91	DRILLED 3,005' - 3,036'. TRIP FOR MUD MOTOR. DRILLED 3,036' - 3,298'.
1/10/91	TRIP FOR PACKED BHA. TAG FILL @ 581'. WASHED FILL TO 10 3/4" CSG SHOE. ROTATED & CIRC'd SLOWLY WHILE GIH TO 639'. ATTEMPTING TO FIND HOLE. TRIP FOR LIMBER BHA. TAG UP @ 632'. WORKED BHA DOWN TO 667' TRIP FOR BLDG BHA. WASH & REAM 651' - 784'.
1/11/91	WASH & REAM 784' - 1,095'. SURVEY @ 1,070'. SHOVED HOLE TO BE SIDETRACKED. POH. TIH OPEN ENDED & SPOTTED CMT. PLUG 690' - 540'. TIH w/BIT TAG SOFT CMT @ 635'. WASHED OUT CONTAMINATED CMT TO 720'.

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DIVISION OF OIL & GAS
LONG BEACH, CA

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 - 37A....., Sec. 2Q., T. 4S., R. 13.W., SB. B. & M.
A.P.I. No. 03722796.....Name STEVE LANG.....Title AGENT
Date.....APRIL 16,....., 19 91.....
(Person submitting report) (President, Secretary or Agent)

Signature.....

PO BOX 9, LONG BEACH CA 90801-0009

(213) 549-6984

(Address)

(Telephone Number)

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Date	Description
1/12/91	POH W/ BIT. WIH OPEN ENDED SPOTTED 190 SX CLASS "G" CMT. PLUG FROM 709' - 440'. WOC 14 HRS. TIH W/ BIT & TAG HARD CMT @ 455'.
1/13/91	DRILLED FIRM CMT 455' - 576'. TRIP FOR MUD MOTOR & DIRECTIONAL BHA. DRILLED CMT 576' - 599'. DIRECTIONALLY DRILLED 599' - 1,333'.
1/14/91	DRILLED 1,333' - 1,649'. TRIP FOR HOLE OPENER & LOCKED BHA. HIT SEVERAL TIGHT SPOTS. POH. TIH W/2nd HOLE OPENER. REAM 1,462' - 1,529'. POH.
1/15/91	TIH W/LOCKED BHA. DRILLED 1,649' - 2,542'.
1/16/91	DRILLED 2,542' - 3,139'.
1/17/91	POH. TIH W/ANGLE DROPPING BHA. DRILLED 3,139' - 3,600'.
1/18/91	DRILLED 3,600' - 4,186'.
1/19/91	DRILLED 4,186' - 4,340'. CIRC & COND MUD TO LOG. POH. <u>RAN DUAL INDUCTION LOG</u> 4,332' - 599'. TIH W/ BHA.
1/20/91	DRILLED 4,340' - 4,350'. CIRC & COND MUD TO RUN CSG. POH. LD DP. RAN & SET <u>7"</u> 23# K-55 LTC CSG @ 4,325'. CMT'D CSG W/ 630 cf 1:1 PEARLITE + 4% GEL @ 13.0 ppg LEAD CMT & TAILED W/ 264 cf CLASS "G" NEAT CMT. BUMPED PLUG W/ 1,500#. SET SLIPS W/CSG IN FULL TENSION.
1/21/91	TIH W/ 6 1/4" BIT, 4 3/4" DC's & 3 1/2 DP.
1/22/91	DRILLED CMT 4,248' - 4,315'. POH. RAN GR-CCL. PERF'd 4,304' - 4 SPF FOR WSO TEST. TIH W/ WSO PKR & SET SAME @ 4,288'. PULLED WSO TEST. HAD FEED IN OF WTR. SOME OIL & FOAMY MUD. POH.
1/23/91	TIH & SPOTTED A 100 SX (115 cf) CLASS "G" NEAT CMT PLUG 4,315' - 3,790'. PULLED ABV. PLUG & BRADENHEAD SQUEEZED 40 FT ³ INTO FORMATION W/ 2,000 psi MAX. POH. TIH W/BIT.
1/24/91	DRILLED HARD CMT 4,200' - 4,318' & CIRC CLEAN. PERF'd @ 4,304' W/4 SPF FOR WSO TEST. TIH W/WSO TOOLS & PULLED WSO TEST. TEST GOOD. TIH W/BIT. DISPLACED MUD W/FRESH WTR.
1/25/91	MIXED CALCIUM CHLORIDE & HEC W/FRESH WTR & BUILT WT. to 9.7 PPG. DRILLED 6 1/4" HOLE 4,315' - 4,460'. POH. RU SCHLUMBERGER. WIH W/LOGGING TOOLS. UNABLE TO GET BELOW 4,350'. POH. WIH W/BIT. WASHED THRU BRIDGE @ 4,350'. TAGGED FILL @ 4,440'. WASHED OUT FILL & WEIGHTED UP TO 10.0 PPG.
1/26/91	POH. RAN LOG. STOPPED @ 4,350'. MADE BIT TRIP. RAN LOG. STOPPED @ 4,396'. LOGGED 4,396' - 4,325'. TIH W/DRILL PIPE.
1/27/91	RUN GR THRU DRILL PIPE 4,460' - 4,325'. TIH W/UNDERREAMER & UNDERREAM TO 13" 4,325' - 4,375'.

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DIVISION OF OIL & GAS
LONG BEACH, CA

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 - 37A....., Sec. 2Q., T. 4S., R. 13.W., SB. B. & M.
 A.P.I. No. 03722796..... Name..... STEVE LANG..... Title..... AGENT.....
 Date..... APRIL 16., 19 91..... (Person submitting report) (President, Secretary or Agent)

Signature.....

PO BOX 9, LONG BEACH CA 90801-0009

(213) 549-6984

(Address)

(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	
1/28/91	UNDERREAM TO 13", 4,374' - 4,440'. POH. TIH W/NEW UNDERREAMER. REAM FROM 4,410' - 4,440'. POH. TIH W/OPEN ENDED D.P.
1/29/91	WASHED 4,440' - 4,460' & CIRC HOLE CLEAN. SPOTTED HI VIS PILL ON BTM.
1/30/91	CIRC & COND HOLE TO RUN LINER. POH. RAN <u>5 1/2", 17# GRAVEL PACK LINER</u> TO 4,438'. GRAVEL PACK USING 215 SX 10 - 16 MESH GRAVEL.
1/31/91	POH. LD GRAVEL PACK TOOLS. TIH W/ A & A NEOPRENE DRIVE ON SEAL & SET ON TOP OF GPS @ 4,214'. TST'D SAME W/800#. POH. LD 3 1/2" D.P. PU 2 7/8" TBG & SN. TIH TO 4,144'. CIRC & COND HOLE
2/01/91	ND BOPE. NU TREE. DISPLACED MUD W/FSW. WELL STARTED FLOWING. OPEN WELL TO TEST TANK & STARTED RIGGING DOWN. RIG RELEASED 7:30 p.m. (PST) 1/31/91.
2/05/91	62 BOPD, 6% BS&W, 32/64 CHK. 80# FTP.
2/22/91	MI. RU WO RIG. ATEEMPT TO RUN PUMP. COULD NOT GET BELOW SECOND JT.
2/23/91	BROKE DOWN PROD TEE & WELL HEAD. REMOVED FLANGE. LAID DOWN 2 JTS. MADE UP FLANGE LANDED ON WELL HEAD. MADE UP PROD TEE. PICKED UP PUMP. HUNG UP IN TBG 3 JTS DOWN PULLED UP PUMP. SEATING RING COVERED W/SCALE.
2/24/91	SDFWE.
2/25/91	SDFWE.
2/26/91	RAN TBG BROACH ON SINKER BARS AND WORKED THRU TIGHT SPOTS. RAN RODS & PUMP. PUT WELL ON PRODUCTION.
2/27/91	WELL PUMPED 126 BPD, 3 SPM - 20% WTR CUT
2/28/91	WELL PUMPED 108 BOPD & 27 BWPD. PUMPING 3 SPM

-----FINAL REPORT-----

COMPANY: EXTRA ENERGY CORP.
 FIELD: WILMINGTON
 TYPE SURVEY: SINGLE SHOT
 SURVEY CO.: SCIENTIFIC

WELL: EXTRA ENERGY #37 A REDRILL
 DECLINATION: 14 DEGREES
 COMPUTATIONS: R C
 WELL COURSE: R 76.1 E

THE DIRECTIONAL DRILLING CO.
 13772 GOLDENWEST # 250
 WESTMINSTER, CA. 92683
 213 424-7043

MEASURED DEPTH	DRIFT ANGLE	DRIFT DIRECTION	VERTICAL DEPTH	VERTICAL DEPTH	COORDINATE DIFFERENCES			RECTANGULAR COORDINATES			FROM PROPOSE						
					DEPTH	DEVIATION	COURSE	NORTH	SOUTH	EAST	WEST	NORTH	SOUTH	EAST	WEST	HI	LO
3454	37.50	N69E	74.60	2856.95	1715.88	20.60	55.09	501.04	1643.65	93	91	93	91				
3548	35.00	N67E	75.80	2932.75	1770.90	20.82	51.53	521.86	1695.18	86	98	86	98				
3641	33.00	N68E	77.10	3009.85	1822.32	19.90	48.04	541.76	1743.22	76	106	76	106				
3734	31.00	N67E	78.86	3088.71	1871.04	18.86	45.53	560.62	1788.75	64	114	64	114				
3826	30.00	N67E	79.27	3167.98	1917.15	18.24	42.98	578.86	1831.73	49	121	49	121				
3919	28.50	N67E	81.14	3249.12	1962.02	17.76	41.83	596.62	1873.56	31	128	31	128				
4014	27.75	N61E	83.78	3332.90	2005.79	19.62	40.23	616.24	1913.79	12	136	12	136				
4109	26.30	N60E	83.84	3416.74	2047.07	20.92	36.98	637.16	1950.77	9	149	9	149				
4195	25.00	N60E	78.52	3495.25	2083.38	18.73	31.44	655.89	1983.21	32	159	32	159				
4255	24.00	N60E	54.60	3549.86	2107.29	12.43	21.55	668.32	2004.76	48	166	48	166				
4324	23.00	N60E	62.28	3613.14	2133.72	13.76	23.82	682.06	2028.59	68	174	68	174				
4334	22.75	N60E		3622.36	2137.46	PROJECT T.D		684.03	2031.94	70	175	70	175				
4460	22.75	N60E		3738.56	2183.53	PROJECT T.D		708.39	2074.14	108	185	108	185				

WELL IS 2183.53 FEET IN THE DIRECTION OF N 71.14 E FROM SURFACE LOCATION

RECEIVED
91 MAY 15 PM 12:01
DIVISION OF OIL & GAS
LONG BEACH, CA

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91 FEB 11 PM 2:09

DIVISION OF OIL & GAS
LONG BEACH, CA

THE DIRECTIONAL DRILLING CO.
 13772 GOLDENWEST # 250
 WESTMINSTER, CA. 92683
 213 424-7043

WELL: EXTRA ENERGY #37 A REDRILL
 DECLINATION: 14 DEGREES
 COMPUTATIONS: R C
 WELL COURSE: N 76.1 E

COMPANY: EXTRA ENERGY CORP.
 FIELD: WILMINGTON
 TYPE SURVEY: SINGLE SHOT
 SURVEY CO.: SCIENTIFIC

PAGE: 2

MASURED DEPTH	DRIFT ANGLE	DRIFT DIRECTION	VERTICAL DEPTH	VERTICAL DEPTH	DEPTH	VERTICAL DEVIATION	COORDINATE DIFFERENCES				RECTANGULAR COORDINATES				FROM PROPOSE		
							NORTH	SOUTH	EAST	WEST	NORTH	SOUTH	EAST	WEST	HI	LO	LI
3454	37.50	N69E	74.60	2856.95	1715.88	20.60	55.09	501.04	1643.65	93	91	1643.65	1643.65	93	91		
3548	35.00	N67E	75.80	2932.75	1770.90	20.82	51.53	521.86	1695.18	86	98	1695.18	1695.18	86	98		
3641	33.00	N68E	77.10	3009.85	1822.32	19.90	48.04	541.76	1743.22	76	106	1743.22	1743.22	76	106		
3734	31.00	N67E	78.86	3088.71	1871.04	18.86	45.53	560.62	1788.75	64	114	1788.75	1788.75	64	114		
3826	30.00	N67E	79.27	3167.98	1917.15	18.24	42.98	578.86	1831.73	49	121	1831.73	1831.73	49	121		
3919	28.50	N67E	81.14	3249.12	1962.02	17.76	41.83	596.62	1873.56	32	128	1873.56	1873.56	32	128		
4014	27.75	N61E	83.78	3332.90	2005.79	19.62	40.23	616.24	1913.79	12	138	1913.79	1913.79	12	138		
4108	26.30	N60E	83.84	3416.74	2047.07	20.92	36.98	637.16	1950.77		9 149	1950.77	1950.77		9 149		
4195	25.00	N60E	78.52	3495.26	2083.38	18.73	32.44	655.89	1983.21		32 159	1983.21	1983.21		32 159		
4255	24.00	N60E	54.60	3549.86	2107.29	12.43	21.55	668.32	2004.76		48 166	2004.76	2004.76		48 166		
4324	23.00	N60E	63.28	3613.14	2133.72	13.76	23.83	682.08	2028.59		68 174	2028.59	2028.59		68 174		
4334	22.75	N60E		3622.36	2137.46	PROJECT T.D		684.03	2031.94		70 175	2031.94	2031.94		70 175		
4460	22.75	N60E		3738.56	2183.59	PROJECT T.D		708.39	2074.14		108 188	2074.14	2074.14		108 188		

WELL IS 2183.59 FEET IN THE DIRECTION OF N 71.14 E FROM SURFACE LOCATION

RECEIVED
91 FEB 11 PM 2:09
DIVISION OF OIL & GAS
LONG BEACH, CA

Report on Operations

Steve Lang, Agent
XTRA ENERGY CORPORATION
P. O. Box 9
LONG BEACH CA 90801-0009

Long Beach Calif.
June 18, 1991

Your operations at well "WNF-I" 37, API No. 037-22796,
Sec. 20, T. 4S, R. 13W, S.B. B. & M. Wilmington
Field, in Los Angeles County,
were witnessed on 1-23-91 by J.R. Carnahan, Engineer, representative of
the supervisor, was present from 1300 to 1330.
There were also present Steven Lang, Foreman. Reviewed WSO charts & data in office 2-6-91.
Present condition of well: 10-3/4" cem 608'; 7" cem 4315', perf 4311' WSO.
TD (present hole) 4315' (Drilling).

The operations were performed for the purpose of testing the 7" casing shut off at
4311' with a formation tester.

DECISION: **APPROVED.**

DEFICIENCIES: **None.**

CONTRACTOR: **Republic Drilling Co.**

JRC:ss

cc: Update
EDP
Dept. Oil Properties

M. G. MKFFERD
State Oil and Gas Supervisor
By *R. K. Baker*
Deputy Supervisor
for R. K. Baker

DIVISION OF OIL AND GAS
WATER SHUTOFF TEST

DS 6/5/91
No. T 544

Operator XTRA Energy Corp.

Well designation "WNE-Z" 37 Sec. 20, T. 4S, R. 13W, SB B.&M.

Field Wilmington, County Los Angeles was tested for water shutoff on 1-23-91. (Name) J.R. Carnahan, representative of the supervisor, was present from 1300 to 1330. Also present were Steven Lang, Foreman.

Reviewed the WSO Charts and data in XTRA Field Office on 2-6-91.

Casing record of well: 10 3/4" cem 600'; 7" cem 4315', perf 4311' WSO. TD 4315'.
(drilling) (present hole)

The operations were performed for the purpose of (O-1) 4311'

- The 7 " shutoff at 4311 ' 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: _____ " fr. _____ ' to _____ ' ; _____ " 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#	Ø 4315'	1/91	circ. thru shoe						

Depth or interval tested 4311'
The hole was open to 4315' for test.

FORMATION TEST:

Packer(s) 4263 ' & ~ ' Tail 4289' ' Bean size 1/4" & 3/4" Cushion None
IHP 2157.3/2158.1/2161.4 IFP 36.4/41.1/10.6 FFP 36.2/41.1/10.6 FHP 2141.1/2156.3/2160.3

Blow Light blow for 10 min. then dead remainder of the test.
Open for test 1 Hr. Ø mid. Fluid entry 60' drilling mud - 3 1/2" 13.3# D.P.
.4 bbl. ≈ 25% Rathide Volume (Chart looks ok)

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 NOTED AND CORRECTED:

~~1. WSO TEST @ 4371' was wet.~~

~~None~~ NONE

DEFICIENCIES NOTED AND TO BE CORRECTED:

None

UNCORRECTABLE DEFICIENCIES:

None

CONTRACTOR:

Republic Drilling Co.



LYNES, INC.
P.O. Box 12488
Houston, Texas 77217

DRILL STEM TESTING OPERATION REPORT

Lynas District Huntington Beach Date 01-23, 19 91 Field Ticket 122-74323
Operator XTRA ENERGY
Address _____

Well Name & Number WNF-I-37 DST No. 2 Net Ft. Pay 1
Contractor Republic Drilling Top Choke .25 Bottom Choke .75 Flow No. 1 60 Min.
Rig No. #6 Size Hole N/A Size Rat Hole N/A Shut-in No. 1 N/A Min.
Spot N/A Casing Size & Wt. 7" 23 K55 Flow No. 2 N/A Min.
Sec. 20 Size & Wt. D. P. or Tubing 3/2 IF 13.30 Shut-in No. 2 N/A Min.
Twp. 4S Size Wt. Pipe N/A Flow No. 3 N/A Min.
Rng. 13W I. D. of D. C. N/A Shut-in No. 3 N/A Min.
Field Wilmington Length of D. C. above Tool N/A Bottom Hole Temp. N/A
County Los Angeles Total Depth 4315 Mud Weight 9.7
State CALIFORNIA Interval Tested 4311-4289 Gravity N/A
K. B. Elevation 13' Interval Perforated 4311 Viscosity 50
Formation Cased Hole Type of Test Water Shut off Tool Opened @ 410 01-23-91

Caliper Log Run Prior to Test: Yes No
Calipered Hole Size @ Top Pkr. N/A @ Bottom Pkr. N/A
Did well flow gas _____ in _____ mins.
Did well flow oil _____ in _____ mins.
Did well flow water _____ in _____ mins.

BOTTOM HOLE SAMPLER

Pressure in Sampler: Tail @ 4289 PSIG
Total Volume of Sampler: _____ cc.
Total Volume of Sample: PKR- 4263 cc.
Where was Sample drained? _____
Oil: Rec 4274 cc.
Water: _____ cc.
Mud: Rec 4279 cc.
Gas: Rec 4284 cu. ft.
Other: _____
Sample R. W.: _____
Gravity _____ Gas/Oil Ratio _____
Make Up Water R. W.: _____
Mud Pit Sample R. W.: _____

Bottom of Top Packer 4263
Bottom of Second Packer N/A
Top of Straddle Packer N/A
Top of Fourth Packer N/A
Length of Test Interval 22'
Test Interval: Anchor N/A Collars N/A DP N/A
Below Straddle: Anchor N/A Collars _____ DP N/A
Was tool plugged? NO Was anchor plugged? N/A
Did straddle pkr. hold? N/A Press. below straddle N/A

REMARKS: Set PKR @ 4263 Tail @ 4289
OPEN Test Tools Light Blow for
10 min Dead Remainder of Test
Annulus Remained Full TRENOUT
TEST
Recovered 60' Drilling Mud.

Recorder No. _____ Ran Under Straddle Pkr.

RECORDER READINGS	Type <u>AK1</u> No. <u>13900</u> Clock _____			Type <u>AK1</u> No. <u>883</u> Clock _____			Type <u>AK1</u> No. <u>708</u> Clock _____		
	Cap. <u>3650</u>	Loc. <u>4274</u>	No. <u>33164</u>	Cap. <u>4500</u>	Loc. <u>4279</u>	No. <u>17068</u>	Cap. <u>4650</u>	Loc. <u>4284</u>	No. <u>7054</u>
	Inside _____	Outside <u>X</u>	Hrs. <u>12</u>	Inside _____	Outside <u>X</u>	Hrs. <u>12</u>	Inside _____	Outside <u>X</u>	Hrs. <u>12</u>
	Press.	Field	Corrected	Press.	Field	Corrected	Press.	Field	Corrected
IH	A	<u>2157.3</u>		IH	<u>2158.1</u>		IH	<u>2161.4</u>	
FH	K	<u>36.4</u>		FH	<u>41.1</u>		FH	<u>10.6</u>	
IF-1	B	<u>36.2</u>		IF-1	<u>41.1</u>		IF-1	<u>10.6</u>	
FF-1	C	<u>2141.1</u>		FF-1	<u>2156.3</u>		FF-1	<u>2160.3</u>	
IF-2	E			IF-2			IF-2		
FF-2	F			FF-2			FF-2		
IF-3	H			IF-3			IF-3		
FF-3	I			FF-3			FF-3		
SIP-1	D			SIP-1			SIP-1		
SIP-2	G			SIP-2			SIP-2		
SIP-3	J			SIP-3			SIP-3		

LYNES TECHNICIAN _____ RESERVOIR ANALYSIS? NO WELL OWNERS REPRESENTATIVE (Please Print Legibly) _____

STEVEN CANNON

No. Final Copies 0

[Signature]

X-TRA Energy

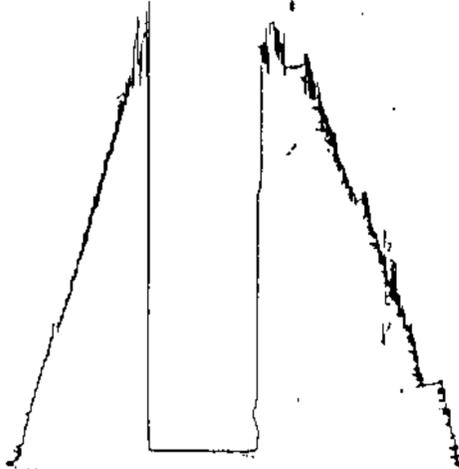
"WNF-I" 37

1-23-91

W50

Chart

lec 883



Report on Operations

Steve Lang, Agent
XTRA ENERGY CORPORATION
P. O. Box 9
LONG BEACH CA 90801-0009

Long Beach Calif.
June 18, 1991

Your operations at well "WNF-1" 37, API No. 037-22796,
Sec. 20, T. 4S, R. 13W, S.B. B. & M. Wilmington
Field, in Los Angeles County,
were witnessed on 1-4-91 by J.R. Carnahan, Engineer, representative of
the supervisor, was present from 1230 to 1330.
There were also present Randy Moskal, Rig Foreman
Present condition of well: 10-3/4" cem 608'; 7" cem 4781', cp 4767', perf 4768'
WSO, pulled fr 658'; 5" Id 4726'-4917', perf 4789'-4917'. TD 4917'.
Plugged w/cem 4900'-4322', 2452'-2025', & 722'-444'.

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

DECISION: APPROVED.

- DEFICIENCIES:
1. Fill-up line was not hooked up.
 2. Choke line was not hooked up.
 3. Pit level alarm & recorder were not hooked up.
 4. Pump stroke counter was not hooked up.

CONTRACTOR: Republic Drilling Co.

JRC:ss

cc: Update
EDP
Dept. Oil Properties

M. G. MEFFERD
State Oil and Gas Supervisor
By *T.P.L. Manna*
Deputy Supervisor
for R. K. Baker

DS 6/15/91

DIVISION OF OIL AND GAS
BLOWOUT PREVENTION EQUIPMENT MEMO

T 543

Operator Xtra Energy Corp. Well "WNF-I" 37 Field Wilmington County Los Angeles

VISITS:	Date	Engineer	Time	Operator's Rep.	Title
1st	<u>1-4-91</u>	<u>J.R. Carnahan</u>	<u>1230 to 1330</u>	<u>Randy Maskal</u>	<u>Rig Foreman</u>
2nd			<u>1430 to 1530</u>		

Casing record of well: 10 3/4" cem 608'; 7" cem 4781', cp 4767', perf 4768' WISO, pulled fr 658'; 5" id 4726'-4917', perf 4789'-4917'. TD 4917'. (Redrilling) Plugged w/ cerm 4900'-4322', 2452'-2025' & 722'-444'.

OPERATION: Testing (inspecting) 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 3M

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

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>K-55</u>	<u>608'</u>	<u>~</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>Hydrill</u>	<u>GK</u>	<u>11"</u>	<u>3000</u>	<u>/</u>						<u>1/4/91</u>	<u>1000</u>
<u>Rd</u>	<u>3 1/2"</u>	<u>Shaffer</u>	<u>LWS</u>	<u>11"</u>	<u>3000</u>	<u>/</u>						<u>1/4/91</u>	<u>1000</u>
<u>Rd</u>	<u>CSO</u>	<u>Shaffer</u>	<u>LWS</u>	<u>11"</u>	<u>3000</u>	<u>/</u>			<u>Reported</u>	<u>By R. Maskal</u>		<u>1/4/91</u>	<u>1000</u>

ACTUATING SYSTEM				AUXILIARY EQUIPMENT							
Accum. Unit(s) Wkg. Press. <u>3000</u> psi				No.	Sz. (in.)	Rated Press.	Connections				
Total Rated Pump Output <u>1</u> gpm							Weld	Flan.	Thrd.		
Distance From Well Bore <u>50</u> ft.											
Mfr.				Mfr.							
Accum. Cap.				Accum. Cap.							
Precharge				Precharge							
1 <u>Koomey</u> <u>80 gal.</u> <u>1500 psi</u>				<u>X</u>	<u>Kill Line</u>	<u>2"</u>	<u>3000</u>			<u>X</u>	<u>1000</u>
2 <u>gal.</u> <u>psi</u>				<u>X</u>	<u>Control Valve(s)</u>	<u>1</u>	<u>3000</u>			<u>X</u>	<u>1000</u>
				<u>X</u>	<u>Check Valve(s)</u>	<u>1</u>	<u>3000</u>			<u>X</u>	<u>1000</u>
CONTROL STATIONS				<u>X</u>	<u>Auxil. Pump Connec.</u>		<u>3000</u>			<u>X</u>	<u>1000</u>
<u>X</u> Manif. at accum. unit				<u>X</u>	<u>Choke Line</u>		<u>3"</u>	<u>3000</u>		<u>X</u>	<u>1000</u>
<u>X</u> Remote at Drlr's. stn.				<u>X</u>	<u>Control Valve(s)</u>	<u>4</u>	<u>3000</u>			<u>X</u>	<u>1000</u>
Other:				<u>X</u>	<u>Pressure Gauge</u>					<u>X</u>	
EMERG. BACKUP SYST.				<u>X</u>	<u>Adjustable Choke(s)</u>	<u>2</u>	<u>2"</u>	<u>3000</u>		<u>X</u>	<u>1000</u>
<u>X</u>	<u>N2 Cyl</u>	<u>No:</u>	<u>Type:</u>	<u>1</u>	<u>2300</u>	<u>gal.</u>	<u>X</u>	<u>Bleed Line</u>		<u>X</u>	
Other: <u>3 G</u>				<u>2</u>	<u>2450</u>	<u>gal.</u>	<u>-</u>	<u>Upper Kelly Cock</u>			<u>~</u>
				<u>3</u>	<u>2200</u>	<u>gal.</u>	<u>X</u>	<u>Lower Kelly Cock</u>			<u>1000</u>
				<u>4</u>		<u>gal.</u>	<u>X</u>	<u>Standpipe Valve</u>			<u>1000</u>
				<u>5</u>		<u>gal.</u>	<u>X</u>	<u>Standpipe Pressure Ga.</u>			
				<u>6</u>		<u>gal.</u>	<u>X</u>	<u>Pipe Safety Valve</u>			<u>~</u>
				<u>X</u>	<u>Internal Preventer</u>		<u>3 1/2"</u>	<u>3000</u>			<u>~</u>

HOLE FLUID MONITORING EQUIPMENT			Alarm	Class	REMARKS:
	Aud.	Vis.			
<u>X</u>				<u>A</u>	<u>(1) Was not hooked up.</u> <u>(2) Pit Level Indicator not hooked up</u> <u>(3) Not Hooked up.</u> <u>(4) Need to hook up choke line</u> <u>No Drilling out shos until the above have been corrected.</u>
<u>X</u>			<u>X</u>	<u>B</u>	
<u>X</u>			<u>X</u>	<u>B</u>	
				<u>C</u>	
				<u>C</u>	
				<u>C</u>	
Other:					

Hole Fluid Type	Weight	Storage Pits
<u>Clay Base</u>	<u>72 #</u>	<u>150</u>

DEFICIENCIES NOTED AND CORRECTED.

1. Fill-up line was not hooked up.
2. Choke line was not hooked up.
3. Pit Level alarm & recorder were not hooked up.
4. Pump stroke counter was not hooked up.

DEFICIENCIES NOTED AND TO BE CORRECTED:

None

UNCORRECTABLE DEFICIENCIES:

None

CONTRACTOR:

Republic Drilling Co.

Report on Operations

Steve Lang, Agent
XTRA ENERGY CORPORATION
P. O. Box 9
LONG BEACH CA 90801-0009

Long Beach Calif.
June 18, 1991

Your operations at well "WNF-I" 37, API No. 037-22796,
Sec. 20, T. 4S, R. 13W, S.B. B. & M. Wilmington
Field, in Los Angeles County,
were witnessed on 12-17-90, M. Saw, Engineer, representative of
the supervisor, was present from 0800 to 0830.
There were also present B. Basquez, Drilling Foreman
Present condition of well: 10-3/4" cem 608'; 7" cem 4781'; cp 4767', perf 4768'
WSO, pulled fr 658'; 5" ld 4726'-4917', perf 4789'-4917'. TD 4917'.
Plugged w/cem 4900'-4322', 2452'-2025', & 722'-444'.

The operations were performed for the purpose of witnessing the plugging operations in
the process of plugging back to redrill.

DECISION: APPROVED.

NOTE: The required Class II2M blowout prevention
equipment was inspected and approved on 12-17-90.

DEFICIENCIES: None.

CONTRACTOR: Finley Oil Well Service, Inc.

MS:ss

cc: Update
Dept. Oil Properties
RDP

M. G. MEFFERD
State Oil and Gas Supervisor
By *R. C. Manuel*
Deputy Supervisor
for R. K. Baker

DIVISION OF OIL AND GAS
Cementing/Plugging Memo

6/5/91

517

Operator Xtra Energy Corp. Well No. "WNF-I" 37
 API No. 037-22796 Sec. 20, T. 4S, R. 13W, SB B&M
 Field Wilmington, County LA. On 12-17-90
 Mr. M. Saw, representative of the supervisor was present from 0800 to 0830.
 There were also present B. Basquez J.P.

Casing record of well: 10 3/4" cem 608'; 7" cem 4781'; cp 4767', perf 4768' WSO;
pulled fr 658'; 5" ld 4726'-4917', perf 4789'-4917'. TD 4917'. Plugged w/ cern
4900'-4322', 2452'-2025', & 722'-444'.

The operations were performed for the purpose of (N) plugging back to redrill.

- The plugging/cementing operations as witnessed and reported are approved.
- The location and hardness of the cement plug @ _____' is approved.

Hole size: _____" fr. _____' to _____', _____" to _____' & _____" to _____'

Casing			Cemented			Top of Fill		Squeezed Away	Final Press.	Perfs.
Size	Wt.	Top Bottom	Date	MO-Depth	Volume	Annulus	Casing			

Casing/tubing recovered: 7" shot/cut at 658', _____', _____' pulled fr. 658';
 _____" shot/cut at _____', _____', _____' pulled fr. _____'.

Junk (in hole): _____
 Hole fluid (bailed to) at _____'. Witnessed by _____

Mudding	Date	Bbls.	Displaced	Poured	Fill	Engr.
<u>72</u>	<u>12/17</u>	<u>76</u>	<u>Hgc @ 4288'</u>		<u>surface</u>	<u>M. Saw</u>

NOTE (K) I 2M 12/17/90

Cement Plugs		Placing	Placing Witnessed		Top Witnessed			
Date	Sx./cf	MO & Depth	Time	Engr.	Depth	Wt./Sample	Date & Time	Engr.
<u>12/14</u>	<u>113 cf</u>	<u>Hgc @ 4900</u>	<u>—</u>	<u>Rptd</u>	<u>4322'</u>	<u>all Hgc wt</u>	<u>12/17 0820</u>	<u>M. Saw</u>
<u>12/19/90</u>	<u>99 cf</u>	<u>Tbg @ 2452'</u>	<u>~</u>	<u>Reported</u>	<u>2025'</u>	<u>~</u>	<u>12/19/90 ~</u>	<u>Reported</u>
<u>12/19/90</u>	<u>125 sx.</u>	<u>Tbg @ 722'</u>	<u>~</u>	<u>Reported</u>	<u>*444'</u>	<u>~</u>	<u>12/19/90 ~</u>	<u>Reported</u>

* kick-off plug

DEFICIENCIES NOTED AND CORRECTED:

None

DEFICIENCIES NOTED AND TO BE CORRECTED:

None

UNCORRECTABLE DEFICIENCIES:

None

CONTRACTOR:

Finley Well Service, Inc.

Pinkley

DIVISION OF OIL AND GAS
BLOWOUT PREVENTION EQUIPMENT MEMO

Operator Xtra Energy Corp. Well "WNP-I" 37 Field Wilmington County L.A.

VISITS: Date 12/17/90 Engineer M. Saw Time 0900 to 0915 Operator's Rep. B. Basquez Title J.P.

Casing record of well: MEMO

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

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

REQUIRED BOPE CLASS: II 2M.

CASING RECORD (BOPE ANCHOR STRING ONLY)					Cement Details		Top of Cement	
Size	Weight(s)	Grade(s)	Shoe at	CP at			Casing	Annulus

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.
<i>RD</i>	<i>2 7/8</i>	<i>Shatt.</i>	<i>E</i>	<i>7</i>	<i>3000</i>	<i>-</i>							
<i>RD</i>	<i>2 1/2</i>	<i>-</i>	<i>E</i>	<i>6</i>	<i>0</i>	<i>-</i>							

ACTUATING SYSTEM				AUXILIARY EQUIPMENT						
Accum. Unit(s) Wkg. Press. _____ psi Total-Rated Pump Output _____ gpm Distance From Well Bore _____ ft.				No.	Sz. (in.)	Rated Press.	Connections			
Mfr.	Accum. Cap.	Precharge	Weld				Flan.	Thrd.		
1	gal.	psi	<input checked="" type="checkbox"/>							
2	gal.	psi	<input checked="" type="checkbox"/>							
CONTROL STATIONS				REMARKS:						
Manif. at accum. unit				Fill-Up Line						
Remote at Drlr's. stn.				Kill Line						
<input checked="" type="checkbox"/> Other: <i>Hand pump</i>				Control Valve(s)						
				Check Valve(s)						
				Auxil. Pump Connec.						
				Choke Line						
				Control Valve(s)						
				Pressure Gauge						
				Adjustable Choke(s)						
EMERG. BACKUP SYST.				Bleed Line						
N2 Cyl	No:	Type:	1	gal.						
Other:				Upper Kelly Cock						
				Lower Kelly Cock						
				Standpipe Valve						
				Standpipe Pressure Ga.						
				<input checked="" type="checkbox"/> Pipe Safety Valve						
				Internal Preventer						

HOLE FLUID MONITORING EQUIPMENT			Alarm	Class	REMARKS:
	Aud.	Vis.			
Calibrated Mud Pit				A	Hole Fluid Type _____ Weight _____ Storage Pits _____
Pit Level Indicator				B	
Pump Stroke Counter					
Pit Level Recorder					
Flow Sensor				C	
Mud Totalizer					
Calibrated Trip Tank					
Other:					

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

OG rdr

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.

FOR DIVISION USE ONLY		
BOND	FORMS	
	OGD 114	OGD 121
BB	11-05-90 Kf	11-05-90 Kf

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-37A "WNF-I" 37, API No. 03722796
(Well designation)
Sec. 20, T. 4S, R. 13W, SB B. & M., Wilmington Field, Los Angeles County.

The present condition of the well is as follows:

- Total depth 4917' MWD
- Complete casing record, including plugs and perforations (present hole)
10-3/4", 40.5#, K-55 csg cmt'd @ 608'
7", 23.0#, K-55 csg cmt'd @ 4781'
5", 18.0#, N-80 blank and perf'd csg landed @ 4917', top at 4726'
- Present producing zone name Ranger; Zone in which well is to be recompleted Ranger
- Present zone pressure 1600 psi (est.); New zone pressure 1600 psi (est.)
- Last produced _____ (Date) _____ (Oil, B/D) _____ (Water, B/D) _____ (Gas, Mcf/D)
 (or)
 Last injected 4/86 _____ (Date) 37 _____ (Water, B/D) -0- _____ (Gas, Mcf/D) _____ (Surface pressure, psig)
- Is this a critical well according to the definition on the reverse side of this form? Yes No

The proposed work is as follows:

Abandon present BHL East of Wilmington Fault, redrill well in accordance with attached program to a new BHL West of Wilmington Fault.
 New BHL: 2,213' E & 548' N of Surface Loc. TD: 3685' SS

Note: If well is to be redrilled, show proposed new bottom-hole coordinates and true vertical depth.

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

Address PO BOX 9
LONG BEACH (City) CA (State) 90801-0009 (Zip)
 Telephone Number (213) 549-6984

Xtra Energy Corporation (Name of Operator)
 By C. Richard Clark - Sr. Vice President (Name - Printed)
[Signature] (Name - Signature) 11/02/90 (Date)

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

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.

RECEIVED
90 NOV -5 PM 12:17
DIVISION OF OIL & GAS
LONG BEACH, CA

XTRA ENERGY CORPORATION

REDRILL PROGRAM

WELL NO. WNF - 37A

REFERENCE POINT: KB, which is 22' above GE.
GE is 36'.

SURFACE LOCATION: Lambert Coordinates
N-4,041,512 --- E-4,205,567

PRESENT BH LOCATION: Lambert Coordinates
N-4,042,150 --- E-4,208,166
638' North and 2,599' East of Surface
Location.

PROPOSED BH LOCATION: LAMBERT COORDINATES
N-4,042,060 --- E-4,207,780
548' North and 2,213' East of Surface
Location.

TD: 4,917' MWD.

CASING DETAIL: 10-3/4", 40.5# csg cmt'd at 608' in
14-3/4" hole with 648 CF cmt.
7", 23.0#, K-55 csg cmt'd at 4,781'
with 612 CF cmt in 9-3/4" hole.
5", 18.0#, N-80, blank and perf'd csg
equipped with Johnson "pipeless" wire
wrapped screen landed at 4,917', top
of A & A lead seal adapter at 4,726'.

NOTE: 5" liner landed in 12" hole.
Annulus packed with 20 - 40 M sand.

SUMMARY OF WELL CONDITIONS:

Subject well was completed in January 1983, and placed on production one month later. The well was converted to water injection in June 1983, and has performed satisfactorily since that time.

PROPOSED WORK:

Due to lack of response in the Fault Block in which the well is completed, it has been determined that the existing bottom hole location should be abandoned and the well redrilled to a new bottom hole location in a different Fault Block.

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DIVISION OF OIL & GAS
LONG BEACH, CA

In order to provide an adequately sized liner, it is proposed to plug and abandon the existing wellbore and redrill the well from the shoe of the surface pipe.

PROGRAM FOR PRODUCTION HOIST:

1. MIRU Production Hoist.
2. Release packer and POH.
3. PU 7 jts of 2-3/8" tbg and saw tooth collar and RIH. Clean out to 4,917' (on deepest practical depth).
4. Plug 5" liner and 7" csg from 4,917' to 4,400' with 91 CF of API class "G" cmt. PU to 3,000' and sqz 5 CF to formation. SI well overnight.
5. Locate top of plug. DOG to witness.
6. PU to 2,400'. Plug 7" csg 2,400' - 2,100' with 66 CF of class "G" cmt. POH and SI well overnight.
7. Locate top of plug. DOG to witness.
8. Cut and recover 7" csg to 750'± (or deepest practical depth). (Csg tally attached.)
9. TIH with tbg and mule shoe collar. Plug 7" csg and 9-7/8" hole from 50' inside csg stub to 200' above top of stub with 130 CF of API class "G" cmt. TOC to be @ 550' (inside 10-3/4" csg). POH and SI well overnight.
10. Locate top of plug. DOG to witness.
11. RD. MO. Clean site for rotary equipment.

RECEIVED
90 NOV -5 PM 12:17
DIVISION OF OIL & GAS
LONG BEACH, CA

REDRILL PROGRAM:

1. MI and RU rotary equipment. NU BOPE.
2. Fill hole with 72#/CF clay base drilling fluid.
3. RIH with 9-7/8" bit and feel for cmt plug at 550'.
4. Pressure test 10-3/4" csg and BOPE. DOG to witness.
5. Drill out to shoe of surface pipe at 608'.
6. TIH with directional BHA and drill 9-7/8" hole to 3,685' SS (MWD to be determined by directional estimated to be \pm 4700' MWD). BHL to be 548' N and 2,213' E of surface location.
7. Run Induction-Electric log from total depth to shoe of 10-3/4" csg.
8. Run 7", 23.0#, K-55, LT&C csg as directed (to top of Ranger formation). Run float shoe and float collar 2 jts above shoe. Centralizers to be installed on 1st, 2nd, 3rd, 5th and 7th joints above shoe.
9. Cmt csg as directed. Cmt to reach 1,800' TVD. Land csg and NU wellhead.
10. WOC. TIH with 6-1/4" bit on 3-1/2" drill pipe and drill out to 20' above shoe. Pressure tst csg to 1,000 psi. Run combination jet perf and csg testor. Shoot 4 holes as directed and test for WSO. DOG to witness results of test.
11. Run 6-1/4" bit and drill out to TD.
12. Change over to unweighted HEC Polymer completion fluid.
13. Underream 6-1/4" hole to 12" from 7" csg shoe to TD. Run Caliper log.
14. Make up and run 5", 18.0#, N-80, T & C, blank and slotted liner as directed. Perfs to be 40M x 2" slots, 20R, 6"C.
15. Gravel pack 5" x 12" annulus with \pm 80 CF 10 - 16 mesh gravel. Set lead seal adapter on top of 5" liner.
16. Displace Polymer mud in hole with salt water. POH. Lay down drill pipe.

RECEIVED
90 NOV -5 PM 12:17
DIVISION OF OIL & GAS
LONG BEACH, CA

Redrill Well No. WNF - 37A
Page -4-

17. RD. MO.

18. MI. RU. Production hoist. PU gas anchor, seating nipple and
TIH with 2-7/8" production tbg.

19. Run pump and rods.

20. RD. MO. RTP.

JWP.JGB/th

C:\XEC/
/redrill.37A/1-4

RECEIVED
90 NOV -5 PM 12:17
DIVISION OF OIL & GAS
LONG BEACH, CA

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

Company Xtra Energy Corp. Well No. "WNF-I" 37
 API No. 037-22796 Sec. 20, T. 4S, R. 13W, S.B. B.&M.
 County Los Angeles Field Wilmington

<u>RECORDS RECEIVED</u>	<u>DATE</u>
Well Summary (Form OG100)	
History (Form OG103)	<u>5-7-84</u>
Core Record (Form OG101)	
Directional Survey	
Sidewall Samples	
Other	
Date final records received	
Electric logs:	

<u>STATUS</u>	<u>STATUS</u>
Producing - Oil	Water Disposal
Idle - Oil	Water Flood <u>X</u>
Abandoned - Oil	Steam Flood
Drilling - Idle	Fire Flood
Abandoned - Dry Hole	Air Injection
Producing - Gas	Gas Injection
Idle - Gas	CO2 Injection <u>X</u>
Abandoned - Gas	LPG Injection
Gas-Open to Oil Zone	Observation
Water Flood Source	
DATE	
RECOMPLETED	<u>7-1-83</u>
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)

UPDATE CENTER 6/1/84

RECORDS NOT APPROVED
 Reason: _____

RECORDS APPROVED William E. Beanner
 RELEASE BOND _____
 Date Eligible _____
 (Use date last needed records were received.)
 MAP AND MAP BOOK 128 DS 5-10-84

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 _____

AF

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#37 037-22796, Sec. 20, T 4S, R 13W, S. BB. & M.
A.P.I. No. 037-22796 Name John D. Carmichael Title Senior Vice President
Date May 4, 19 84 (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

6-9-83	<u>Convert to Injection.</u> MIRU. Pulled and laid down rods and pump. Rigged up wash pump and circulated oil out. Tagged bottom @ 4917' with tubing.
6-10-83	Laid down tubing and gas anchor. Ran bell collar and no-go nipple, 1 jt 2-7/8" tbg, Otis 7" packer, 146 jts 2-7/8" tbg, no-go nipple, 2 jts 2-7/8" tbg, and tbg pup. Set pkr with top @ 4658'. Tubing internally coated and hung to 4698'.
7-21-83	<u>On Water Injection.</u> 367 B/D @ 1580 psi.

RECEIVED
MAY 7 2 36 PM '84
LONG BEACH, CA

DIVISION OF OIL AND GAS

Report on Operations

WATERFLOOD PROJECT

John D. Carmichael, Agent
XTRA ENERGY CORPORATION
P.O. BOX "9"
Signal Hill, CA 90801

Long Beach, Calif.
March 6, 1984

Your operations at well "WNF-I" 37, API No 037-22796
Sec 20, T 4S, R 13W S.B. B. & M. Wilmington Field, in Los Angeles County,
were witnessed on 11-10-83 by E. Santiago, Engineer, representative of
the supervisor, was present from 1500 to 1700. There were also present Bill Rose and
Larry and Mike

Present condition of well: 10-3/4" cem 608'; 7" cem 4781', cp 4767', perf 4768' WSO; 5" ld
4726'-4917', perfs 4789'-4917'. TD 4917'.

The operations were performed for the purpose of demonstrating that all of the injection fluid
is confined to the formations below 4781'.

DECISION: APPROVED.

NOTE: DEFICIENCIES TO BE CORRECTED
NONE

DEFICIENCIES CORRECTED
NONE

CONTRACTOR: Petroleum Data Inc.

ES:mh

cc: Update

M. G. MEFFERD
State Oil and Gas Supervisor

[Signature]
Deputy Supervisor

for V. F. Gaede

Operator YTRA ENERGY CORP.

Well designation "WNF-I" 37 Sec. 19, T. 4S, R. 13W, 58 B.&M.

Field WILMINGTON, County LOS ANGELES was tested for water shutoff on 11/10/83. (Name) EDUARDO SANTIAGO, representative of the supervisor, was present from 1500 to 1700. Also present were BILL HOGG, LARRY WILKE

Casing record of well: 11 3/4" csm 608'; 7" csm 4781', cd 4767'. Perf 4768' WSD; 5" id 4726'-4917';
Perfs 4789'-4917'. TO 4917'.

The operations were performed for the purpose of (P) 4789' test

- The _____ " shutoff at _____ ' 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 4789 ' at this time.

Hole size: _____ " fr. _____ ' to _____ ' ; _____ " 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			

Depth or interval tested 4789'
The hole was open to _____ ' for test.

FORMATION TEST:
Packer(s) _____ ' & _____ ' Tail _____ ' Bean size _____ " Cushion _____
IHP _____ IFP _____ FFP _____ FHP _____
Blow _____
Open for test _____ Hr. _____ min. Fluid entry _____

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 575 B/D & 2110 psi on 10/25/83 1983,
fluid confined below 4789 ' (Packer depth 4658 ')
bleed off : rain , 059 : 2011 0

DEFICIENCIES—TO BE CORRECTED

NONE

DEFICIENCIES—CORRECTED

NONE

CONTRACTOR

PETROLEUM DATA INC.

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	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				
43	"WNF-I"	43	22682				
<u>Sec. 20-4S-13W</u>				<u>Sec. 20-4S-13W</u>			
42	"WNF-I"	42	22689	31	"WNF-I" 31 22767	36 "WNF-I" 36 22769	
44	"WNF-I"	44	22820	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. Gaeede

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

S
convert

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.

FOR DIVISION USE ONLY		
BOND	FORMS	
	OGD 114	OGD 121
<i>Blanket</i>	<i>11-5-83 EP</i>	<i>11-5-83 EP</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 No. 37, API No. 037-22796
(Well designation)

Sec. 20, T. 4S, R. 13W, S. BB. & M., Wilmington Field, Los Angeles County.

The present condition of the well is as follows:

- Total depth 4917'
- Complete casing record, including plugs and perforations
10 3/4", 40.5#, K-55, 608'
7", 23#, K-55, 4781'
5", 18#, N-80, Blank & Johnson, pipeless, SS, wire wrapped Screen
Top @ 4726', Shoe @ 4917'.
- Present producing zone name Ranger; Zone in which well is to be recompleted Ranger
- Present zone pressure 1350 psi; New zone pressure 1350
- Last produced 6/8/83 8 2 0
(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:

Convert from producer to injector. No change in casing or liner is planned.

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)

By John D. Carmichael
(Print Name)

John D. Carmichael 6-30-83
(Signature) (Date)

RECEIVED
Jul 5 1 07 PM '83
DIVISION OF OIL AND GAS
LONG BEACH, CA.

DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS
245 WEST BROADWAY, SUITE 475
LONG BEACH, CA 90802-4455
(213) 590-5311



June 14, 1983

John D. Carmichael
XTRA ENERGY CORPORATION
P.O. Box 9
Long Beach, CA 90801

Re: Injectivity Tests
Wilmington Field
Fault Block I
Ranger Zone

Dear Mr. Carmichael:

In response to your request dated June 13, 1983, approval is hereby granted to conduct CO₂ injectivity tests into well No. 37 (037-22796), Sec. 20-4S-13W. The testing period shall not exceed 90 cumulative days and surface injection pressures shall not exceed 1500psi.

Injection rates and pressures, as well as produced CO₂ gas, shall be reported to this office on our Form 110 and 110B (CO₂), a supply of which is enclosed. These forms should be sent to this district office and should not be included in your regular monthly 110 report to our Sacramento office.

If you have any questions concerning the testing or reporting procedures, please contact the undersigned.

Sincerely,

A handwritten signature in cursive script that reads "D Lande".

D. Lande
Enhanced Recovery Engineer

DL:csm

cc: Well File ✓
Project File

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

Company Xtra Energy Corp Well No. 37
 API No. 037-22796 Sec. 20, T. 4S, R. 13W, S. B. B.&M.
 County L.A. Field Wilmington

<u>RECORDS RECEIVED</u>	<u>DATE</u>	
Well Summary (Form OG100)	<u>5/20/83</u>	<u>(2)</u>
History (Form OG103)	<u>5/20/83</u>	<u>(2)</u>
Core Record (Form OG101)		
Directional Survey	<u>5/20/83</u>	<u>(2)</u>
Sidewall Samples		
Other		
Date final records received		
Electric logs		
<u>Ind. Elect.</u>	<u>5/20/83</u>	<u>(2)</u>
<u>Ind. Elect.</u>	<u>5/20/83</u>	<u>(2)</u>

<u>STATUS</u>	<u>STATUS</u>
Producing - Oil <input checked="" type="checkbox"/>	Water Disposal <input type="checkbox"/>
Idle - Oil <input type="checkbox"/>	Water Flood <input type="checkbox"/>
Abandoned - Oil <input type="checkbox"/>	Steam Flood <input type="checkbox"/>
Drilling - Idle <input type="checkbox"/>	Fire Flood <input type="checkbox"/>
Abandoned - Dry Hole <input type="checkbox"/>	Air Injection <input type="checkbox"/>
Producing - Gas <input type="checkbox"/>	Gas Injection <input type="checkbox"/>
Idle - Gas <input type="checkbox"/>	CO2 Injection <input type="checkbox"/>
Abandoned - Gas <input type="checkbox"/>	LPG Injection <input type="checkbox"/>
Gas-Open to Oil Zone <input type="checkbox"/>	Observation <input type="checkbox"/>
Water Flood Source <input type="checkbox"/>	
DATE <u>1-12-83</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)

UPDATE CENTER 6/8/83

7" CEM 4781 (3755 TVD)

RECORDS NOT APPROVED

Reason: _____

RECORDS APPROVED TS

RELEASE BOND _____
 Date Eligible _____
 (Use date last needed records were received.)
 MAP AND MAP BOOK e 128

6/6/83

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 Corp.		Well 37																
Field Wilmington		County Los Angeles	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>Sec. 20</td> <td>T. 4S</td> <td>R. 13W</td> <td>B.&M. S.B.</td> </tr> </table>	Sec. 20	T. 4S	R. 13W	B.&M. S.B.											
Sec. 20	T. 4S	R. 13W	B.&M. S.B.															
Location (Give surface location from property or section corner, street center line and/or California coordinates) 195' North along property line & 992' East at right angles to said line from the S.E. corner of property which is the N.E. corner of Main St. & the AT & SE right of way.			Elevation of ground above sea level 36'															
Commenced drilling (date) 12/28/82	Total depth		Depth measurements taken from top of:															
Completed drilling (date) 1/12/83	(1st hole) 4917'	(2nd)	<input type="checkbox"/> Derrick Floor <input type="checkbox"/> Rotary Table <input checked="" type="checkbox"/> Kelly Bushing Which is 22 feet above ground															
Commenced producing (date)	Present effective depth 4917'		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th colspan="2">GEOLOGICAL MARKERS</th> <th>DEPTH</th> </tr> <tr> <td>F₁</td> <td></td> <td>4737'</td> </tr> <tr> <td>F₁</td> <td></td> <td>4777'</td> </tr> <tr> <td>M</td> <td></td> <td>4837'</td> </tr> <tr> <td>H</td> <td></td> <td>4906'</td> </tr> </table>	GEOLOGICAL MARKERS		DEPTH	F ₁		4737'	F ₁		4777'	M		4837'	H		4906'
GEOLOGICAL MARKERS		DEPTH																
F ₁		4737'																
F ₁		4777'																
M		4837'																
H		4906'																
<input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas lift	Junk None																	
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						
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	608'	40.5 #	K-55	New	14 3/4"	648 CF	
7"	Surf	4781'	23 #	K-55	New	9 7/8"	612 CF	
5"	4726'	4917'	18 #	N-80	New			

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

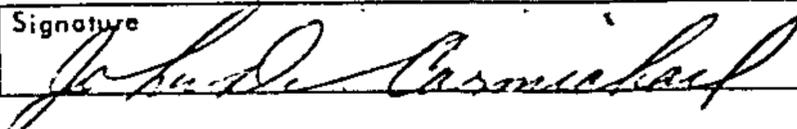
Top: 4726' Shoe: 4917' 5" - 18# blank & Johnson pipeless, SS, wirewrapped Screen
(See Liner detail)

Was the well directionally drilled? If yes, show coordinates at total depth
 Yes No 636' North & 2676' East

Electrical log depths
4911' to 607'

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 John D. Carmichael		Title Senior Vice President	
Address 2501 Cherry Avenue Suite 270		City Signal Hill, CA	Zip Code 90806
Telephone Number (213) 424-8549	Signature 	Date April 12, 1983	

SUBMIT IN DUPLICATE

RECEIVED
MAY 20 3 48 PM '03
GAS

LONG BEACH, CA

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 37 Sec. 20, T 4S, R 13W, S.B.B. & M.
 A.P.I. No. 037-22796 Name John D. Carmichael Title Sen. Vice President
 Date January 10, 1983 (Person submitting report) (President, Secretary or Agent)

Signature *John D. Carmichael*
 (213) 424-8540

717 Walton, Long Beach, CA 90806
 (Address)

(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	
12-28-82	MI rig from WNF-I # 31, RU, 7 hrs changing brake bands, now prep to drill mouse hole @ 6 A.M. No mud report.
12-29-82	Fin RU, spud in @ 11:30 A.M., drld 14-3/4" hole to 250', RT for Dynadril & 9-7/8" drlg assy, drld 9-7/8" hole to 600' @ 6 A.M. SS @ 571' 12° 45', N 84° E, hole is 1.75; left & 6.0' high. CB mud wt 74#/CF, WL 12.5 cc, vis 54", solids 11.0%, sand 1.0%, cake 3/32", 1800 ppm Cl, 2.0% oil.
12-30-82	RT for 14 3/4" hole opnr, opn 9 7/8" hole to 14 3/4" fr 350' to 600', POH, RIHW/ 14 3/4" bit, C/O 15' of fill, drld 14 3/4" hole to 615', C&C mud, POH, H&H Tong Service ran 16 jts of 10 3/4", 40.5#, K-55 csg, to 608', B-J Cmtrs pmpd 300 sx of G cmt mxd 1:1:4, followed by 100 sx G neat cmt, all cmt mxd w/ 2% CaCl ₂ , got 34 CF cmt returns, left 11 CF on shoe, CIP @ 7:30 PM, 12/29/82, Rmvd conductor, WOC, cut off 27.20' of 10 3/4" csg, weld on csg head, now N/U BOP @ 6AM. CB mud, wt-71 #/CF, WL-12.0cc, Vis-55", solids 8.0%, Sand-1.0% cake-2/32", 1600 ppmCl, oil-1.0%
1-1-83	Cont'd drlg & surveying 9-7/8" hole to 1335'. RT for Dynadril, dynadrld to 1630', RT for angle bldg assy, reamed Dynadril run, Drld & surveyed to 1887' RT for locked in assy, drld & surveyed to 2048' @ 6am., SS @ 1988'. 56° 15'. N79° 30E. hole is 4'rt & 29' lo. CB mud, wt-72 #/CF, WL-5.3cc, Vis-65", solids-11.0%, sand-0.5%, cake-2/32", 1600ppmCl, oil-9.0%.
1-2-83	Cont'd drlg & surveying 9-7/8" hole fr 2048', to 2601', RT for bit, cont'd drlg & surveying 9-7/8" hole for 2601' to 3190' @ 6am. SS @ 3159', 46°, N78° 30'E, hole is 36.5 rt & 0.5' hi. CB mud, wt-74 #/CF, WL-5.4cc, Vis-40", solids 11.0%, sand-0.25%, cake-2/32", 1550ppmCl, oil-9.0%.
1-3-83	Cont'd drlg & surveying 9-7/8" hole fr 3190' to 3485', RT chng bit, cont'd drlg to 3863' @ 6am. SS @ 3741', 33° 45', N74° 30E, hole is 38' rt & 2.5' hi. CB mud, wt-76 #/CF, WL- 5.0cc, Vis 49", solids-13.0%, sand-0.25%, cake-1/32", 1500ppmCl, oil-7.0%.
1-4-83	Con'd drlg & surveying 9-7/8" hole fr 3863' to 4109' RT for locked in assy & chng bit, cont'd drlg to 4579' @ 6 am. SS @ 4477', 27°, N68° E, hole is on line for direction & 20'lo. CB mud, wt-76 #/CF, WL-5.4cc, Vis-47", solids-13.0%, sand-0.25%, cake-1/32", 1500ppmCl, oil-6.0%.

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LONG BEACH, CA

1-5-83

Cont'd drlg & surveying 9-7/8" hole fr 4599' to 4787', circ cln, make wiper trip, C & C mud for log, POH, Sch RU & ran IES lof fr 4786' to 607', log does not correlate W/ #34, RIH W/9-7/8" drlg assy, drld & surveyed fr 4787' to 4917', Sch on stand by, circ for log, POH @ 6 am. SS @ 4892', 26° 15', N65°E, hole is 26' left & 3' low. CB mud, wt-76 #/CF, WL- 5.1cc, Vis-51', solids-13.0%, sand-0.25%, cake-1/32", 1450ppmCl, oil-6.0%

1-6-83

Fin POH, Sch reran IES log fr 4916' to 608', RIH W/9-7/8" drlg assy, H & H tong serv ran 132 jts 7", 23#, K-55, buttress thread csg, shoe @ 4781', FC @ 4707", csg adjustor @ 1763', brk circ, attempt to wrk csg, csg stuck @ 4781', B-J cmtrs pmpd 300 CF "Mud Sweep" followed by 280 sx of G cmt mxd 1:1:4 followed by 100 sx G cmt neat, dsplsd W/ 1082 CF mud, bmpd plg W/ 1200 psi, CIP @ 6:45 am. CB mud, wt-76 #/CF, WL-4.6cc, Vis-47", solids-14.0%, sand-0.5%, cake-2/23", 1450ppmCl, oil-6.0%

1-7-83

Fin cmtg 7" csg, CIP @ 6:45 am., rmvd BOP, cut off 27.00' of 7" csg, weld on 7" well head, N/U BOP, RIH W/ 6-1/4" bit, P/U 3-1/2" DP, D/O FC @ 4707', C/O cmt to 4770', circ cln, now POH @ 6 am. CB mud, wt-74 #/CF, WL- 5.8cc, Vis-48", solids-13.0%, sand- 0.25%, cake- 2/23", 1300 ppm Cl, oil- 5.0%,

1-8-83

Fin POH w/bit, RIH w/Lynes WSO tool, perf'd 4 1/2"holes @ 4767', set pkr @ 4710', opn tool, strong gas blo for 1 hr, unable to rise pkr, valve would not close on tool, gas blowing from DP & annulus, drpd bar, circ & KW, POH, WSO disapproved by DOG, RIH w/ Howco WSO tools, set pkr @ 4710', opn tool, med blo, tool plng thru out 2 hr tst, POH, DOG disapproved WSO @ 6 A.M. CB mud, wt- 73 #/CF, WL- 5.8 cc, Vis- 47", solids- 13.0%, sand- 0.25%, cake- 2/32:, 1200 ppm Cl, oil- 5.0%.

1-9-83

RIH w/B-J pkr, set @ 4670', press up to 1750 psi, no bleed dn, lwrdr pkr & revrsd out snd in csg, P/U & set pkr @ 4670', B-J cmtrs pmpd 200 sx of "G" neat cmt mxd w/2% CaCl₂, CIP @ 3:05 P.M., WOC 2 hrs, POH w/pkr, RIH w/6-1/4" bit & csg scrpr, D/O hard cmt fr 4729' to 4775', POH, RIH w/Howco WSO tools, perf'd 4 1/2" holes @ 4768', set pkr @ 4728', opn tool, li blo for 10 min then dead for remainder of test, now POH w/WSO tools @ 6 A.M. CB mud, wt- 73 #/CF, WL-5.8 cc, Vis- 50", solids- 13.0%, sand- 0.25%, cake- 2/32", 1200 ppm Cl, oil- 5.0%.

1-10-83

Fin POH w/WSO tools, WSO approved by DOG, RIH w/6-1/4" bit, D/O shoe @ 4781', C/O to 4917', chng over fr CB mud to Polymer, RT for 12" under reamer, opn hole fr 4782' to 4917', gauge hole, circ cln, POH, now RIH w/5" screen lnr @ 6 A.M. Polymer mud, wt- 73 #/CF, WL- 13.0 cc, Vis- 34", solids- 1.5%, sand - trace, cake- film, 128,000 ppm Cl, oil- trace.

1-11-83

Fin RIH w/110' wire wrapped screen lnr, w/shoe @ 4917' & adaptor @ 4728', A & A gvl pkd lnr w/92 sx 20-40 mesh snd, Calc vol 85 sx, rvse out, POH, RIH w/lead seal, set w/top @ 4726', chng over to lease SW, now LD 3-1/2" DP @ 6 A.M.

1-12-83

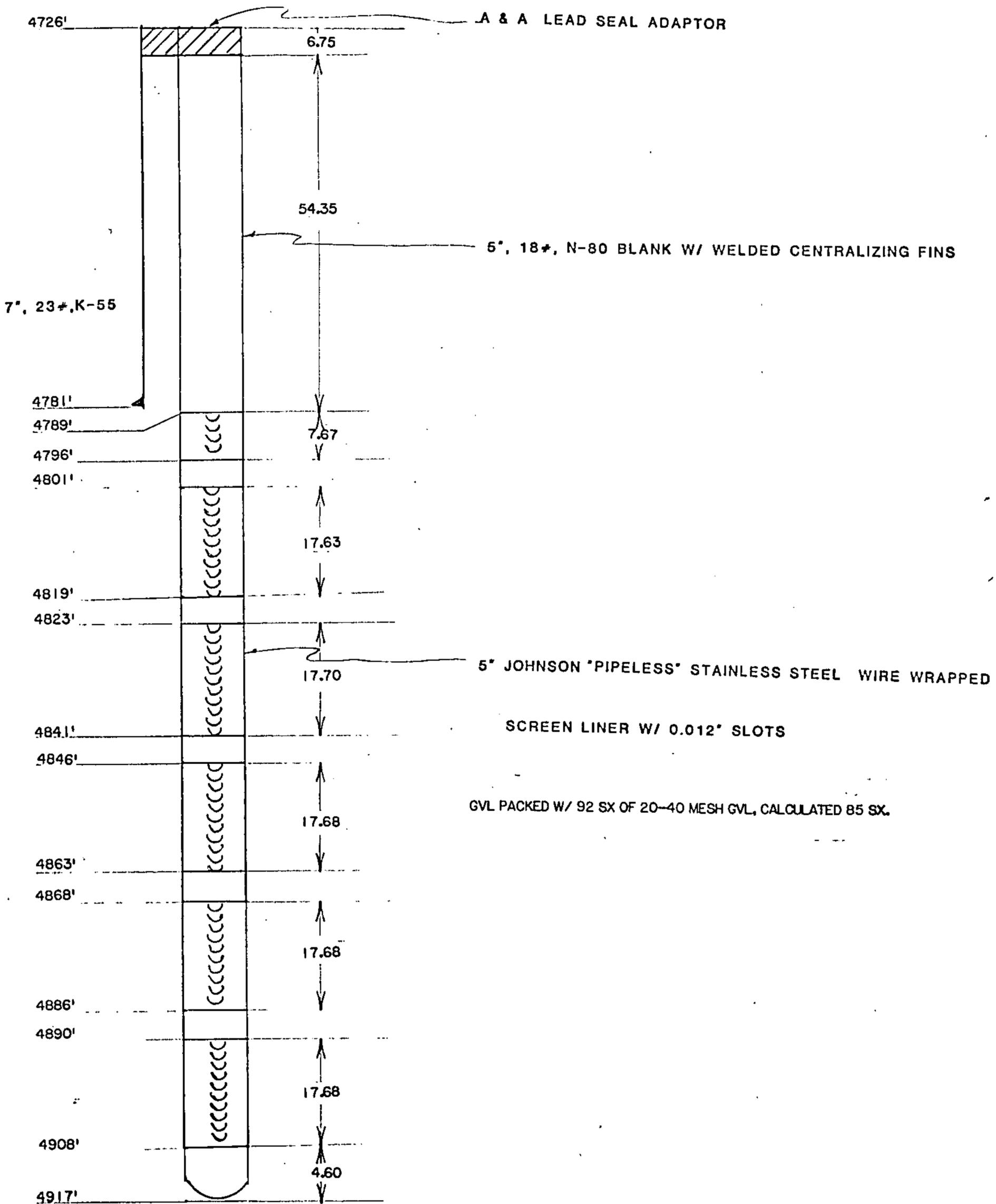
Fin LD 3-1/2" DP, Rmvd BOP, instld well head & sec well, RR @ 10 A.M. RD & moved to WNF-I # 35.

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MAY 20 3 48 PM '83
BY [unclear] AND GAS
LONG BEACH, CA.

XTRA ENERGY CORP.

LINER DETAIL

WNF-I #37



RECEIVED
MAY 20 3 48 PM '83
GAS AND
LONG BEACH, CA.

DIVISION OF OIL AND GAS

Report on Operations

John D. Carmichael, Agent
XTRA ENERGY CORPORATION
717 Walton Avenue
Signal Hill, CA 90806

Long Beach Calif.
January 20, 1983

Your operations at well 37, API No. 037-22796,
Sec. 20, T. 4S, R. 13W, S.B.B.&M. Wilmington Field, in Los Angeles County,
were witnessed on 1-9-83 by S. Mulqueen, Engineer, representative of
the supervisor, was present from 0800 to 0900. There were also present Jim Stewart,
Drilling Foreman.

Present condition of well: 10-3/4" cem 608', 7" cem 4781', cp 4767', perf 4768' WSO.
TD 4917' (Drilling).

The operations were performed for the purpose of Testing the 7" shut-off at 4768' with a
formation tester.

DECISION: APPROVED.

NOTE: DEFICIENCIES TO BE CORRECTED
NONE

DEFICIENCIES CORRECTED
1. First WSO inconclusive (Gas Interference) s. w. i
2. Second WSO wet.

CONTRACTOR: Cal Pacific Drilling Company, Inc.

SM: dh

cc: Update

Blanket Bond

M. G. MEFFERD
State Oil and Gas Supervisor

By [Signature]
Deputy Supervisor

[Signature]
J. L. HARDOIN

Operator XTRA ENERGY CORP.

Well designation 37 Sec. 20, T. 4S, R. 13W, SB B.&M.

Field WILMINGTON, County LOS ANGELES was tested for water shutoff on 1-9-83. (Name) S. MULQUEEN, representative of the supervisor, was present from 0800 to 0900. Also present were JIM STEWART, D.F.

Casing record of well: 10 3/4" CEM 608', 7" CEM 4781', CP 4767', PERF 4768'
WSO TD 4917' (DRILLING).

The operations were performed for the purpose of (D-1) 7" @ 4768'

- The 7 " shutoff at 4768' 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 4917'; _____ " 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 4781'	1-8-83	PACKER SET @ 4670'	228cf	—	4655'	214cf	2200#	PERF WSO 4767'
7"	23#	0 4781'	1-6	FLOAT COLLAR @ 4707'	631cf	2324'	4707'	—	1200#	—

CLEANED OUT TO 4770'

Depth or interval tested 4768' (FOUR 3/8" HOLES)
The hole was open to 4719 ' for test.

FORMATION TEST:

Packer(s) 4708 ' & _____ ' Tail 4728 ' Bean size 3/4 " Cushion _____
IHP 1921 IFP 132 FFP 304 FHP 1830
Blow LT. BLOW 10 MIN., DEAD FOR REMAINDER OF TEST
Open for test 1 Hr. _____ min. Fluid entry 15' DRILL MUD (GAS CUT)
(9.8 #/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
FIRST WSO INCONCLUSIVE (GAS INTERFERENCE)
SECOND WSO WET

CONTRACTOR
CAL PACIFIC DRILLING COMPANY, INC.

DIVISION OF OIL AND GAS

Report on Operations

John D. Carmichael, Agent
XTRA ENERGY CORPORATION
717 Walton Avenue
Signal Hill, CA 90806

Long Beach Calif.
January 20, 1983

Your operations at well 37, API No. 037-22796,
Sec. 20, T. 4S, R. 13W, S.B. B. & M. Wilmington Field, in Los Angeles County,
were witnessed on 12-20-82. T. S. Boardman, Engineer, representative of
the supervisor, was present from 1130 to 1230. There were also present Roy Napier,
Drilling Foreman.

Present condition of well: 10-3/4" cem 608', 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
NONE

CONTRACTOR: Cal Pacific Drilling Company

TSB: dh

cc: Update

Blanket Bond

M. G. MEFFERD
State Oil and Gas Supervisor

By J. L. Hardoin
Deputy Supervisor

J. L. HARDOIN

DIVISION OF OIL AND GAS
BLOWOUT PREVENTION EQUIPMENT MEMO

T 183-61
1-13-83

Operator XTRA Energy Corp. Well 37 Field Wilmington County LA

VISITS: Date Engineer Time Operator's Rep. Title
 1st 12/30/82 TS Boardman 1130 to 1230 Roy Napier D.F.
 2nd _____ _____ _____ to _____ _____ _____

Casing record of well: 10 3/4" cem 608', 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. 0' to 615', _____" to _____" & _____" to _____"

REQUIRED
BOPE CLASS: III B 2M

CASING RECORD (BOPE ANCHOR STRING ONLY)					Cement Details		Top of Cement	
Size	Weight(s)	Grade (s)	Shoe at	CP at			Casing	Annulus
10 3/4	40 1/2	S-55	608		400	Sx G	588	0

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	-	shufco	-	12	3000	-						12/30	1200
Rd	4 1/2	shaffer	E	12	3000	-						"	1200
Rd	CSO	shaffer	E	12	3000	-						"	1000

Rptd by
Roy Napier

ACTUATING SYSTEM		
Accum. Unit(s)	Wkg. Press.	<u>3000</u> psi
Total Rated Pump Output		_____ gpm
Distance From Well Bore		<u>50</u> ft.
Mfr.	Accum. Cap.	Precharge
1 Koomey	90 gal.	1000 psi
2	gal.	psi
CONTROL STATIONS		Elec. Hyd.
<input checked="" type="checkbox"/>	Manif. at accum. unit	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	Remote at Drlr's stn.	<u>pne</u>
Other: _____		
EMERG. BACKUP SYST.		Press. Wkg. Fl.
<input checked="" type="checkbox"/>	N2 Cyl No: 2 Tpe: S	1 1700 3.6 gal
Other:		2 2500 9.1 gal
		3 _____ gal
		4 _____ gal
		5 _____ gal
		6 _____ gal

AUXILIARY EQUIPMENT						
	No.	Sz. (in)	Rated Press.	Connections		
				Weld	Flan.	Thrd.
<input checked="" type="checkbox"/> Fill-Up Line						
<input checked="" type="checkbox"/> Kill Line		2	3000		<input checked="" type="checkbox"/>	1200
<input checked="" type="checkbox"/> Control Valve(s)	1		3000		<input checked="" type="checkbox"/>	-
<input checked="" type="checkbox"/> Check Valve(s)	1		3000		<input checked="" type="checkbox"/>	1200
<input checked="" type="checkbox"/> Auxil. Pump Connec.			3000			<input checked="" type="checkbox"/> 1200
<input checked="" type="checkbox"/> Choke Line		3	3000		<input checked="" type="checkbox"/>	1200
<input checked="" type="checkbox"/> Control Valve(s)	5		3000		<input checked="" type="checkbox"/>	1200
<input checked="" type="checkbox"/> Pressure Gauge						<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Adjustable Choke(s)	2	3	3000			<input checked="" type="checkbox"/> 1200
<input checked="" type="checkbox"/> Bleed Line		3				<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Upper Kelly Cock						-
<input checked="" type="checkbox"/> Lower Kelly Cock						-
<input checked="" type="checkbox"/> Standpipe Valve						1200
<input checked="" type="checkbox"/> Standpipe Pressure Ga.						-
<input checked="" type="checkbox"/> Pipe Safety Valve		4 1/2	3000			-
<input checked="" type="checkbox"/> Internal Preventer		4 1/2	3000			-

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

REMARKS:
Driller Gary Gunn was notified of the proper procedure of installing the pipe safety valve in the full open position closing it then installing the internal preventer, opening the pipe safety valve before running to bottom during a kick when pulling pipe.

Hole Fluid Type	Weight	Storage-Pits
Clay-Base	9.5	650 BDL

DEFICIENCIES—TO BE CORRECTED

[REDACTED]

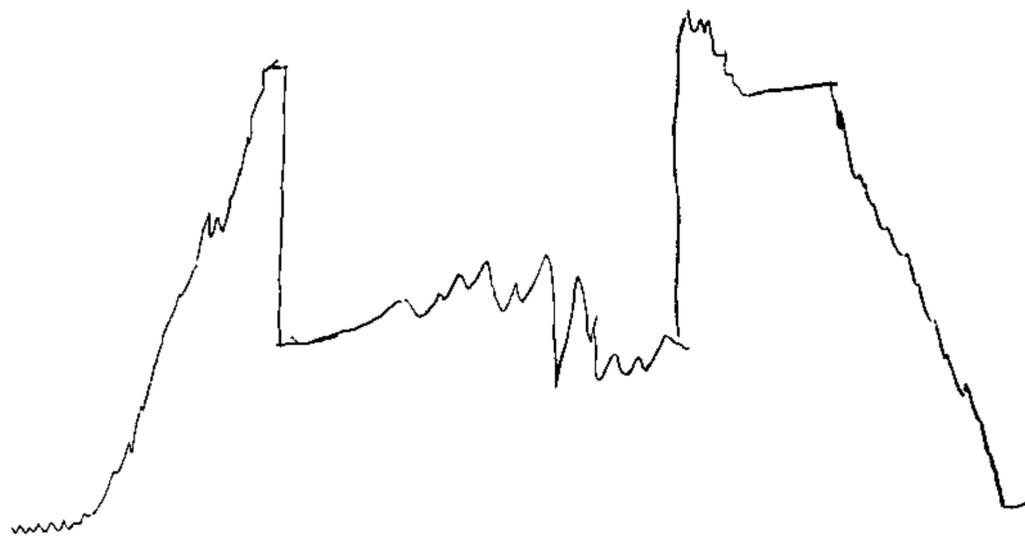
NONE

[REDACTED]

NONE

OPERATOR

CAL PACIFIC DRILLING CO.



WET TEST

XTRA ENERGY # 37, PERF 4767 WSO, 1-8-83 @ OSDDHRS

Operator XTRA ENERGY CORP

Well designation # 37 Sec. _____, T. _____, R. _____, B.&M. _____

Field WILM., County LA. was tested for water shutoff on 1-8-82. (Name) SPM, representative of the supervisor, was present from 0500 to _____. Also present were ROY NAPIER

Casing record of well: _____

The operations were performed for the purpose of (D-D) 7" @ 4767'

- The 7" shutoff at 4767' 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. _____' to 4917'; _____" to _____'; & _____" to _____'

Casing			Cemented/			Top of Fill		Sqd. Away	Final Press	Test psi/min. Perfs.
Size	Wt.	Top	Bottom	Date	MO-Depth	Volume	Annulus			
7"	23#	0	4781	1-6	FC @ 4707 SNOW 4781	631 cf	2324±	4707'	1200#	—
								@ FC.		

CLEANED OUT TO 4770'

Depth or interval tested 4767' 7/8 FOUR 1/FT
The hole was open to 4770' for test. 7-90

FORMATION TEST: 467 584 1888

Packer(s) 4695' & _____ Tail 4710' Bean size 3/4" Cushion _____

IHP 1818 IFP 491 FFP 607 FHP 2028

Blow HARD 10MIN, DEAD 15MIN, HEAVY MED - VERY LIGHT DEAD REMAINDER

Open for test 3 Hr. _____ min. Fluid entry 650' DRILL MUD

BAILING TEST: GAS CUT
9.8#/g

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 _____')



INCONCLUSIVE (GAS)

XTRA ENERGY #37, PERF 4767 WSO, 1-7-83 @ 1500 HOURS

FORMATION

WATER SHUTOFF TEST

No. T _____

Operator XTRA ENERGY

Well designation # 37 Sec. _____, T. _____, R. _____, B.&M. _____

Field WILM., County LA. was tested for water shutoff on 1-7-83. (Name) SPM, representative of the supervisor, was present from 1500 to _____. Also present were ROY NAPIER, D/E

Casing record of well: _____

TD 4917 (DRILLING)

The operations were performed for the purpose of (D-1) 7" @ 4767

- The 7 " shutoff at 4767 ' is approved. 631 cf
- 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. _____ ' to 4917 ' ; _____ " to _____ ' ; & _____ " to _____ ' ;

Casing			Cemented		Top of Fill		Sqd. Away	Final Press	Test psi/min. Perfs.	
Size	Wt.	Top	Bottom	Date	MO-Depth	Volume				Annulus
7"	<u>234</u>	0	4781'	1-6	<u>FE. 4707'</u> <u>9105 4781'</u>	<u>631 cf</u>	<u>2324 ±</u>	4707'	—	<u>1200#</u>

CLEANED OUT TO 4770'

Depth or interval tested 4767' 7/8" FOUR / FT.
The hole was open to 4770 ' for test.

FORMATION TEST:

Packer(s) 4703' & Tail 476 ' Bean size 3/4 " Cushion _____
IHP 1934 IFP 51 (A) FFP 1934 FHP 1652

Blow HARD BLOW 5 MIN, HOOKED UP CHICKSANS PAPS 75#, HARD BLOW THROUGHOUT
Open for test 2 Hr. _____ min. Fluid entry REVERSED CIRCULATED

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 _____ ')

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
<i>W</i>	<i>W</i>	<i>W-98 CP</i>	<i>Blanket</i>	<i>11A 12-98 12-98 CP CP</i>

In compliance with Section 3203, Division 3, Public Resources Code, notice is hereby given that it is our intention to commence drilling well No. 37, API No. 037-22796 (Assigned by Division), Sec. 20, 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 195 feet North along ~~section~~ property line and 992 feet East at right angles to said line from the Southeast corner of ~~section~~ property which is XX the North east corner of Main Street & 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: 580 feet North and 2528 feet East

Elevation of ground above sea level 36 feet.

All depth measurements taken from top of Kelly Bushings 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#	J-55	Surf	600'	600'	600'
7"	23#	K-55	Surf	4715'	4715'	2165'
5"	18#	N-80	4645'	4825'	Gravel packed wire wrapped screen w/0.012" slots.	

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

Intended zone(s) of completion Ranger Zone 4715' (-3580 VSS) 1200 psi Estimated total depth 4825'
(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, California</u>	Zip Code <u>90806</u>	
Telephone Number <u>(213)424-8549</u>	Name of Person Filing Notice <u>John D. Carmichael</u>	Signature <i>John D. Carmichael</i>	Date <u>11-29-82</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, California 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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 CALIFORNIA

XTRA ENERGY CORPORATION

PROGRAM FOR DRILLING

WELL No. 37

Reference Point: KB which is 22' above G. E.
Surface Location: Lambert Coordinates N-4,041,512 E-4,205,567
Bottom Hole Location: Lambert Coordinates N-4,042,092 E-4,208,095
Elevation: 36' GE + 22' KB = 58'

Proposed Casing Program:

10-3/4" 40.5 # to be cemented at 600'
7 " 23 # to be cemented at 4715'
5 " 18 # to be hung at 4825', top @ 4645'.

Perfs: 4725' to 4820' Wire wrapped pipeless Johnson Screen liner with 0.012" slots.

Proposed Hole Size:

Surf' to 600' 14-3/4" hole
600' to 4825' 9-7/8" hole
4715' to 4825' 9-7/8" hole to be underreamed to 12".

Proposed Total Depth: 4825'

Directional Program

Deflect hole at 350' and increase inclination at 4°/100' in a N 77° E direction to 55° at 1725' (T.V.D. - 1523'). Maintain 55° inclination to a depth of 2480'. Drop angle at 1.5°/100' to a total depth of 4825'. Target is a 100' diameter circle with its center 580' North and 2528' East of the surface site. A total displacement of 2593'.

Mud Program

1. For drilling from surface to 600', use a safe fresh water clay base mud.
2. For drilling from 600' to 4825', use a fresh water clay base mud with the following properties.
 - a. Weight 72 #/CF
 - b. Fluid loss 5cc
 - c. P.V. 8 - 14 cps
 - d. YP 4 - 6#/100 sq. ft.
 - e. Funnel vis 38 - 42"
 - f. Solids 12%

Well No. 37

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 Baker stab-in shoe and B & W 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 4825'.
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 4715'. Casing to be fitted with a Baker basket shoe and Baker float collar 2 joints above shoe. B & W 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 280 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.

Page three

9. After 24 hours, clean out cement to 4705' (± 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 4715' and clean out to 4825'.
11. Change over to Polymer completion fluid.
12. Underream 6-1/4" 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 ± 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.37
JDC:sc
11-29-82

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LONG BEACH, CA.

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