

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

FORM APPROVED  
OMB NO. 1004-0137  
Expires: February 28, 1995

WELL COMPLETION OR RECOMPLETION REPORT AND LOG\*

1a. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. NM LC063586	
b. TYPE OF COMPLETION: NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR <input type="checkbox"/> Other <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Pioneer Natural Resources USA, Inc.		7. UNIT AGREEMENT NAME Lusk West (Delaware) Unit	
3. ADDRESS AND TELEPHONE NO. P.O. Box 3178 Midland, TX 79702		8. FARM OR LEASE NAME, WELL NO. 916	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface UL P. 810' FSL & 1140' FEL At top prod. interval reported below		9. API WELL NO. 30-025-34217	
14. PERMIT NO.		10. FIELD AND POOL, OR WILDCAT Lusk Delaware, West	
DATE ISSUED 6/12/97		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 29, T19S, R32E	
18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 3552'		12. COUNTY OR PARISH Lea	
19. ELEV. CASINGHEAD		13. STATE NM	
15. DATE SPUDDED 1/30/98	16. DATE T.D. REACHED 2/15/98	17. DATE COMPL. (Ready to prod.) 2/19/98	23. INTERVALS DRILLED BY Rotary
20. TOTAL DEPTH, MD & TVD 6630	21. PLUG, BACK T.D., MD & TVD 6570	22. IF MULTIPLE COMPL., HOW MANY* No	25. WAS DIRECTIONAL SURVEY MADE No
24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)* 6448 - 6462; Brushy Canyon			26. TYPE ELECTRIC AND OTHER LOGS RUN GR/CCL
27. WAS WELL CORED No			

28. CASING RECORD (Report all strings set in well)					
CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
13 3/8	54.50#	850	17 1/2	Surface, 475 sx C1 "C"	
8 5/8	32# & 24#	4200	12 1/4	1860 sx 50/50 Poz	
5 1/2	15.50#	6630	7 7/8	30' by TS, 900 sx 50/50 Poz	

29. LINER RECORD				30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SIZE	DEPTH SET (MD)	PACKER SET (MD)
				2 7/8	6387	6283

31. PERFORATION RECORD (Interval, size and number) 6448 - 6462, 14 holes, 1 SPF (.4")	32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
	6448 - 6462	1500 gals 15% NEFE
		41,470# 16/30 Ottawa

33.* PRODUCTION							
DATE FIRST PRODUCTION 3/12/98		PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump) Pmp/25-125-RHBC-20-5				WELL STATUS (Producing or shut-in) Producing	
DATE OF TEST 3/26/98	HOURS TESTED 24	CHOKE SIZE NA	PROD'N FOR TEST PERIOD 0	OIL - BBL. 0	GAS - MCF. 0	WATER - BBL. 66	GAS - OIL RATIO NA
FLOW. TUBING PRESS. NA	CASING PRESSURE NA	CALCULATED 24-HOUR RATE →	OIL - BBL.	GAS - MCF.	WATER - BBL.	OIL GRAVITY - API (CORR.)	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) NA						TEST WITNESSED BY Denton McNew	

35. LIST OF ATTACHMENTS  
Deviation Report, Logs

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED John M. Johnson TITLE Sr. Operations Engineer DATE 5/5/98

\*(See Instructions and Spaces for Additional Data on Reverse Side)

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof, cored intervals, and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
Brushy Canyon SD 252627 Jul 1980 Received 2000 12-02-01 811	6649	6671	Oil, Gas, H2O
Brushy Canyon SD	6391	6400	Oil, Gas, H2O

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Rustler	858	
Yates	2530	
Capitan	2753	
Delaware	4275	
Bone Spring	7125	

**PERC****WELL CHRONOLOGY REPORT**

REPORT DATE : 2/16/98 MD : 6.630 TVD : 0 DSS : 17 DOL : 16 MW : VISC :

DAILY DETAILS : WO COMPLETION.

REPORT DATE : 2/18/98 MD : 6.630 TVD : 0 DSS : 18 DOL : 17 MW : VISC :

DAILY DETAILS : INSTALL GUY LINE ANCHORS. RIG UP WSU. SET PIPE RACKS & MOVE 2 7/8" TBG ONTO RACKS. RIG UP REVERSE UNIT & POWER SWIVEL. PICKED UP & RAN 4 3/4" TRI-CONE ROCK BIT, 6 DRILL COLLARS, & 2 7/8" TBG. TAGGED UP ON DV TOOL AT 5001'. PICKED UP 30' AND CLOSED WELL IN.

REPORT DATE : 2/19/98 MD : 6.630 TVD : 0 DSS : 19 DOL : 18 MW : VISC :

DAILY DETAILS : DRILLED DV TOOL FROM 5001' TO 5003'. CIRCULATED HOLE CLEAN. PRESSURED CSG TO 3000 PSI. LOST 55 PSI IN 30 MINUTES. RAN IN HOLE & TAGGED PBTD AT 6570'. CIRC HOLE CLEAN WITH 170 BBL 2% KCL WATER. PRESSURED CSG TO 3000 PSI. LOST 50 PSI IN 30 MINUTES. PULLED BIT TO 6462' & SPOTTED 500 GAL 10% ACETIC ACID. DISPLACED W/34 BBL 2% KCL WATER. TOH, LAY DOWN DRILL COLLARS & SHUT DOWN.

REPORT DATE : 2/20/98 MD : 6.630 TVD : 0 DSS : 20 DOL : 19 MW : VISC :

DAILY DETAILS : RIG UP WEDGE WIRELINE TRUCK. RAN IN HOLE W/LOG. WIRELINE TD 6578'. RAN COMPENSATED NEUTRON LOG FROM PBTD TO 4200'. RAN GR/CCL FROM PBTD TO SURFACE. PERF 6448' - 6462' W/1 SPF USING 19 GRAM CHARGE VIA A 4" SELECT FIRE GUN, 0 DEGREE PHASING. CSG STAYED NEUTRAL. RIG DOWN WIRELINE TRUCK. RAN ARROW HD 5 1/2" PKR & 197 JTS 2 7/8" WORK STRING. LEFT PKR SWINGING AT 6283'. CLOSE WELL IN.

REPORT DATE : 2/21/98 MD : 6.630 TVD : 0 DSS : 21 DOL : 20 MW : VISC :

DAILY DETAILS : SDFWE.

REPORT DATE : 2/22/98 MD : 6.630 TVD : 0 DSS : 22 DOL : 21 MW : VISC :

DAILY DETAILS : SDFWE.

REPORT DATE : 2/23/98 MD : 6.630 TVD : 0 DSS : 23 DOL : 22 MW : VISC :

DAILY DETAILS : Well on strong vacuum. Rig up reef. Set pkr @ 6283'. Loaded csg w/ 33 bal. Pressured csg to 1,000 psi, loaded tbg w/ 13 bbl water. formation broke @ 3200 psi. Acidized perfs 6448'-6462' with 1500 gal 15% NEFE HCL containing 1 1/2 gal corrosion inhibitor, 1 1/2 gal NE agent, 3 gal clay stabilizer, 1 1/2 gal iron reducer. average rate 3.5 BPM, max rate 4.6 BPM. average treating press 2200 psi, max treating press 2730 psi. used 22 7/8", 1.3 SG ball sealers. Balled off w/ 16 balls on perfs. surged balls off. Flushed w/ 50 BBL 2% KCL water. ISIP 1350 psi, on vac in 4 minutes. 100 BBL load to recover. Left SI 30 min., rig up swab, Begin FL 600' from surface, sweabbed to SN in 9 swab runs. Recovered 48 bbls fluid in 13 swab runs. waited 1 hr between last 3 runs. FL @ 5600'. Had slight trace of oil. 53 bbl to recover. left well open to tank.

**PERC****WELL CHRONOLOGY REPORT**

REPORT DATE : 2/25/98 MD : 6.630 TVD : 0 DSS : 24 DOL : 23 MW : VISC :

DAILY DETAILS : ND BOP & NU well head. Rig down WSU.

REPORT DATE : 2/26/98 MD : 6.630 TVD : 0 DSS : 25 DOL : 24 MW : VISC :

DAILY DETAILS : waiting on frac.

REPORT DATE : 3/3/98 MD : 6.630 TVD : 0 DSS : 30 DOL : 29 MW : VISC :

DAILY DETAILS : Rig up BJ, Held safety meeting, tested lives to 4,000 psi. Fraced down 5 1/2" csg. Fraced w/ 41,470# 16/30 Ottawa sand used 438 bal fluid. Pumped pad of 137 bbl, ramped 2 to 8 ppg w/ 81 bbl, Pumped 71 bbl @ 8 ppg and flushed with 150 bbl. Max treating press 1,780 psi, avg treating press 1,100 psi. Treating rate 11 bpm, average treating rate 11 bpm. Opened for flow back @ rate of 1/2 BPM. Flowed back 10 minutes & closed well in. ISIP 1540 psi. 434 bbl to recover. Frac fluid contained 13 gal BF 10I, 20 gal claytrol, 1 lb. GRW-5, 20 gal NE 118, 168 gal XLFC-3, 50 XLW 53, 20 gal XLW60.

REPORT DATE : 3/4/98 MD : 6.630 TVD : 0 DSS : 26 DOL : 25 MW : VISC :

DAILY DETAILS : RU WSU, remove frac valve and NU well head and BOP. Ran 2 7/8" notched collar, 3/4" on flapper sub, X over 30 jts 2 7/8" tbg, X over, 3 3/4" OD bailer, 2 7/8" X 4' tbg sub, X over, another 106 jts 2 7/8" buttress thd tbg and 64 jts 2 7/8" 8rd upset tbg. Tagged sand @ 6374', stroked sand pump, made 4' to 6378'. Stopped making hole. Rotated & stroked. Could not make hole. TOH to bailer. Added to more jts of cavity. Ran 136 jts back w/ hole. SD & close well in.

REPORT DATE : 3/5/98 MD : 6.630 TVD : 0 DSS : 27 DOL : 26 MW : VISC :

DAILY DETAILS : Finish TIH w/ Bulldog bailer. Set on sand at 6378'. Stroked sand pump and rotated tubing & notched collar and could not make any hole. TIH. Cavity was full of water, Check valve flapper was working, and notched collar was not plugged. Ran 4 3/4" 4 blade bit, double flapper sub, and tbg. Tagged up @ 6378'. Rig up swivel. Rotated and stroked pump. Tubing would torque up hole. Could not make hole. TOH. Had about 1/2 gallon sand with small metal cuttings in flappers. Cut mule shoe on end of jt of 2 7/8" tbg. Ran mule shoe jt and 138 jts 2 7/8" tubing. moved in & rigged up reverse unit and pit. Loaded pit w/ 110 bbl 2% KCL water. SD & clean well in.

REPORT DATE : 3/6/98 MD : 6.630 TVD : 0 DSS : 28 DOL : 27 MW : VISC :

DAILY DETAILS : Finish TIH w/ 2 7/8" mule shoe. Tagged up @ 6378'. Loaded hole with 70 bbl 2% KCL water. Circulated on bottom, Recovered small amount of sand, small metal cuttings and small amount of cement. Rotated tubing, tubing would torque to a stall. Worked and rotated tubing. TOH. Bottom 1/4" of mule shoe was turned out at a 90% angle. Ran 4 1/2" tri cone rock bit, 6 3 1/2" drill collars, and 192 jts 2 7/8" tbg. Installed stripper rubber. Closed well in & shut down.

**PERC****WELL CHRONOLOGY REPORT**

REPORT DATE : 3/9/98 MD : 6.630 TVD : 0 DSS : 29 DOL : 28 MW : VISC :

DAILY DETAILS : Thawed out lines. Picked up power swivel and drilled w/ one point of weight on pit. Circulated up small metal cuttings, pieces of rust, small pieces of cement and point from subs. drilled 15' w/ 1 point of weight. increased weight on bit to 8 points and drilled to 6436'. Circulated samples turned to frac sand. Circulated bottoms up and pressured csg to 2,000 psi. Hled pressure Ok. TOH w/ tubing nad drill collars. Removed 4 1/2" bit. Ran 4 3/4" 4 blade carbide bit, 6 3 1/2" drill collars and tbq. Reamed thru area @6328' several times. Did not torque or take weight. Tagged up @ 6434'. Washed to 6436'. Attempted to drill w/ 6 points on bit and would not drill. Tubing turned freely w/ no torque. Circulated hole clean. Close well in.

REPORT DATE : 3/10/98 MD : 6.630 TVD : 0 DSS : 30 DOL : 29 MW : VISC :

DAILY DETAILS : TOH with carbide blade bit. Ran 4 3/4" baker hughes OHR Tri cone rock bit. Drilled from 6436' to 6465' @ rate of 4 minutes per foot and got in sand that was soft enough to circ out. Circulated to 6573'. Circulated hole clean Rig down power swivel. TOH w/ 20 stands tubing. Close well in.

REPORT DATE : 3/11/98 MD : 6.630 TVD : 0 DSS : 31 DOL : 30 MW : VISC :

DAILY DETAILS : Finish TOH w/ tubing. Layed down drill collars. TIH w/ 2 7/8" MA( 1 jt) w/ no tubed collar, 2 small vent holes in top and 3/4" pin in bottom, SN, 8 jts 2 7/8" 8 Bd tbq, 2 7/8" X 5 1/2" TAC 2 jts, 2 7/8" 3rd Tbg, 135 jts 2 7/8" buttress Thd tbq, additonal 53 jts, 2 7/8" 8 Bd tbq. ND BOP & NU well head. Set TAC @ 6354' in 14, 000# tension. EOT @ 6387', SN @ 6354'. TAC @ 6094'. Rigged for Rods. Ran 25-125-RHBC-20-5-3-1 pump w/ 10" strainer nipple sand spiral rod guide, 6 1 1/2" weight bars, 108 3/4" rods, 77 7/8" rods, 68 1" rods, and 1 1/2" X 24' spray metal polish rod. Hung on & spaced well out. Loaded tbq w/ 19 bbl water, had good action.

REPORT DATE : 3/12/98 MD : 6.630 TVD : 0 DSS : 32 DOL : 31 MW : VISC :  
 DAILY : DC : \$0 CC : \$0 TC : \$0 CUM : DC : \$372,465 CC : \$0 TC : \$424,484  
 DAILY DETAILS : 599 BBL TO RECOVER

REPORT DATE : 3/13/98 MD : 6.630 TVD : 0 DSS : 33 DOL : 32 MW : VISC :  
 DAILY : DC : \$0 CC : \$0 TC : \$0 CUM : DC : \$372,465 CC : \$0 TC : \$424,484  
 DAILY DETAILS : 17 HRS PROD, 533 TO RECOVER, 0 BO, 61 BW.

REPORT DATE : 3/14/98 MD : 6.630 TVD : 0 DSS : 34 DOL : 33 MW : VISC :  
 DAILY : DC : \$0 CC : \$0 TC : \$0 CUM : DC : \$372,465 CC : \$0 TC : \$424,484  
 DAILY DETAILS : 24 HR, 460 TO RECOVER, 0 BO, 78 BW

REPORT DATE : 3/15/98 MD : 6.630 TVD : 0 DSS : 35 DOL : 34 MW : VISC :  
 DAILY : DC : \$0 CC : \$0 TC : \$0 CUM : DC : \$372,465 CC : \$0 TC : \$424,484  
 DAILY DETAILS : 24 HRS 387 TO RECOVER, 0 BO, 23 BW.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

N.M. Cons.  
P.O. Box 1980  
Hobbs, NM 88247

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires July 31, 1996

**SUNDRY NOTICES AND REPORTS ON WELLS**

*Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.*

*SUBMIT IN TRIPLICATE - Other instructions on reverse side*

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Pioneer Natural Resources USA, Inc.

3a. Address

P.O. Box 3178 Midland, TX 79702

3b. Phone No. (include area code)

915/571-1363

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

UL P. 810' FSL & 1140' FEL, Sec. 29, T19S, R32E

5. Lease Serial No.

NM LC063586

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA/Agreement, Name and/or No.

Lusk West (Delaware) Unit

8. Well Name and No.

#916

9. API Well No.

30-025-34217

10. Field and Pool, or Exploratory Area

Lusk Delaware, West

11. County or Parish, State

Lea NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- |   |   |  |   |
|---|---|--|---|
| <input type="checkbox"/> Acidize              | <input type="checkbox"/> Deepen           | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off                   |
| <input type="checkbox"/> Alter Casing         | <input type="checkbox"/> Fracture Treat   | <input type="checkbox"/> Reclamation               | <input type="checkbox"/> Well Integrity                   |
| <input type="checkbox"/> Casing Repair        | <input type="checkbox"/> New Construction | <input type="checkbox"/> Recomplete                | <input checked="" type="checkbox"/> Other <u>Drilling</u> |
| <input type="checkbox"/> Change Plans         | <input type="checkbox"/> Plug and Abandon | <input type="checkbox"/> Temporarily Abandon       | <u>Details</u>  |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back        | <input type="checkbox"/> Water Disposal            |   |

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the final site is ready for final inspection.)

See Attached Drilling Report

14. I hereby certify that the foregoing is true and correct  
Name (Printed/Typed)

Jeanie Dodd

Title

Operations Tech

Date

5/4/98

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

**PERC****WELL CHRONOLOGY REPORT****WELL NAME : LUSK WEST (DELAWARE) UNIT #916****WELL ID # : 523685013****OPERATOR : PIONEER NATURAL RESOURCES COMPANY****DISTRICT :****FIELD : LUSK WEST (DELAWARE)****LOCATION : UNIT P, 1.140' FEL & 810' FSL, SEC 29, T-19-S****COUNTY & STATE : LEA****NM****CONTRACTOR :****NWI WI% : 0.89318****AFE# : 317066****API# : 30-025-34217****PLAN DEPTH : 7,200****SPUD DATE : 1/30/98****DHC : \$285,350****CWC : \$154,250****AFE TOTAL : \$439,600****FORMATION : BRUSHY CANYON****REPORT DATE : 1/31/98****MD : 282****TVD : 0****DSS : 1****DOL :****0 MW :****VISC :****DAILY DETAILS : FIRST REPORT**

\*\*\*\*\*

DIRECTIONS: GO WEST OUT OF HOBBS, NM, ON US HWY 62/180 FOR 37 MILES TO NM HWY 243. TURN RIGHT ON NM HWY 243 AND STAY ON IT FOR 4.4 MILES. TURN RIGHT ON THE LUSK FIELD ROAD AND TO NORTH FOR 4.3 MILES. TURN RIGHT ON LEASE ROAD & GO EAST ABOUT 7/8TH OF A MILE TO LOCATION.

PRESENT OPT: DRILLING AT 282'.

MI RU LAKOTA DRLG CO. RIG #4. SPUDDED @ 10:30PM 1/30/98. DRILLED SURFACE TO 282'. SURVEY AT 240'=1/2DEG. MIX SPUD MUD.

**REPORT DATE : 2/1/98****MD : 850****TVD : 0****DSS : 2****DOL :****1 MW : 8.4****VISC : 28****DAILY DETAILS : PRESENT OPT: 850' RUNNING 13 3/8" CSG.**

DRLG FROM 282' TO 388'. TRIP FOR HOLE OR JET MISS. (NO HOLE & NO JET MISS). DRLG FROM 388' TO 461'. RUN SURVEY AT 421'=1DEG. DRLG FROM 461' TO 850'. 1/2 HR. CIRC PUMP SWEEP. TOH. SURVEY AT 850'=1 1/2DEG. RU CSG CREW AT REPORT TIME & RUNNING 13 3/8" CSG.

**REPORT DATE : 2/2/98****MD : 850****TVD : 0****DSS : 3****DOL :****2 MW : 9.8****VISC : 28****DAILY DETAILS : PRESENT OPT: 850' - TRIPPING IN HOLE.**

RUNNING 13 3/8" CSG. RU BJ & CEMENT. 4 HOURS WOC & DIGGING OUT CELLAR (CMT). CUT OFF CSG & WELDED ON 8 5/8" WELLHEAD. TESTED BOP & CASING TO 600 PSI FOR 30 MINUTES (NO TEST). NO SPACER & CHANGE OUT RING GASKET. NU BOP. TESTED TO 600 PSI FOR 30 MINUTES. REPORT TIME: TIH.

1 - 13 3/8" GUIDE SHOE ST&amp;C .75

1 - 13 3/8" SHOE JT CSG 45.50# J-55 ST&amp;C 42.98

1 - 13 3/8" INSERT FLOAT VALVE

19 - 13 3/8" 54.50# J-55 ST&amp;C CSG 810.60

TOTAL CASING 854.33

CUT OFF 21.33

CASING LEFT IN HOLE 833.00

KB 17.00

CASING LANDED KB 850.00

RAN 6 CENTRALIZERS. CENTRALIZERS ON JTS #20, 17, 14, 11, 8, 5. THREAD LOCK BOTTOM THREE JOINTS. RU BJ & CEMENTED WELL WITH 475 SX 35/65 POZ CLASS "C" + 6% GEL + .5% SALT + .25 LB/SX CELLO FLAKES, WT. 12.7 PPG, YIELD 1.94 CU. FT/SX, WTR 60.48 GALS SX. TAIL W/200 SX CLASS "C" NEAT + 2% CACL2 + .25 LB/SX CELLO FLAKE, WT 14.84 PPG, YIELD 1.32 CU. FT/SX, WTR 6.32 GALS SX. FLOAT HELD. CIRC 146 SX CMT TO PIT. PLUG DOWN AT 11:30 AM 2/2/98.

**PERC****WELL CHRONOLOGY REPORT**

REPORT DATE : 2/8/98 MD : 4.200 TVD : 0 DSS : 9 DOL : 8 MW : 8.4 VISC : 28

DAILY DETAILS : PRESENT OPT. PUMPING 2ND STAGE.

DRLG FROM 4137' TO 4200'. TD 12 1/4" HOLE AT 9:00 AM. CIRC AND STARTED PILL. TOH WITH 15 STD'S (SHORT). TIGHT SPOT AT 4075'. TIH. CIRC HOLE & PUMPED PILL. TOH. RU LD MACHINE & LD 7 - 8" DC'S. RU CSG CREW & RAN 94 JTS 8 5/8" CSG, SET AT 4200' KB. DV TOOL AT 2609'. RU BJ & CEMENT 1ST STAGE WITH 685 SX 50/50 POZ CLASS "C" + 10% GEL + 5% SALT, 11.92 PPG, YIELD 2.35. TAIL W/200 SX CLASS "C" NEAT + 2% CACL2, 14.81 PPG, YIELD 1.35. BUMP PLUG AT 2:00 AM 2/8/98. OPEN DV TOOL AT 900 PSI. PUMPED 25 BBLS FWATER. RU ON RIG PUMP & PUMPED 150 TO 200 BBLS FWATER (SD 4 HRS WOC). NO RETURNS. 2ND STAGE TAIL W/825 SX 50/50 POZ CLASS "C" + 10% GEL + 5% SALT, 11.92 PPG, YIELD 2.35. TAIL W/150 SX CLASS "C" NEAT + 2% CACL2, 14.81 PPG, YIELD 1.33. BUMP PLUG AT 7:30 PM 2/8/98. RAN 2 CENTRALIZERS, JTS #35 & 37. THREADLOCKED & WELDED SHOE, FLOAT COLLAR, & 3 JTS CSG, DV TOOL.

1 - 8 5/8" GUIDE SHOE ST&C	1.86
1 - 8 5/8" SHOE JT 32# J-55 ST&C	44.00
1 - 8 5/8" FLOAT COLLAR ST&C	1.20
35 - 8 5/8" 32# J-55 ST&C CSG	1543.89
1 - 8 5/8" DV TOOL ST&C	3.32
8 5/8" 32# J-55 ST&C CSG	308.49
8 5/8" 24# J-55 ST&C CSG	2301.96
TOTAL CASING	4204.72
CUT OFF	21.72
CASING LEFT IN HOLE	4183.00
KB	17.00
CASING LANDED KB	4200.00

REPORT DATE : 2/9/98 MD : 4.510 TVD : 0 DSS : 10 DOL : 9 MW : 8.4 VISC : 28

DAILY DETAILS : PRESENT OPT. DRILLING AT 4510'.

CEMENTED 2ND STAGE W/825 SX 50/50 POZ CLASS "C" + 10% GEL + 5% SALT, WT 11.92 PPG, YIELD 2.35 CU FT/SX, WTR 13.41 GALS/SX. TAIL W/150 SX CLASS "C" NEAT + 2% CACL2, WT 14.81 PPG, YIELD 1.33 CU FT/SX, WTR 6.32 GALS/SX. CLOSED DV TOOL AT 600 PSI AT 7:30 AM 2/8/98. ND BOP. SET SLIPS CUT OFF 8 5/8" CSG & WELDED ON 5 1/2" 3000# LARKIN FIGURE 92. NU BOP, TESTED CSG & BOP TO 1000 PSI FOR 30 MINUTES. TIH. DRLG OUT DV TOOL. TESTED CSG TO 1000 PSI. TIH. TAG UP ON CMT AT 4152', DRLG OUT CMT. DRLG NEW FORMATION 4200' TO 4245'. RUN SURVEY AT 4205'=3 1/2DEG. DRLG FROM 4245' TO 4510'. REPORT TIME DRILLING WITH FULL RETURNS.

REPORT DATE : 2/10/98 MD : 4.745 TVD : 0 DSS : 11 DOL : 10 MW : 8.4 VISC : 28

DAILY DETAILS : PRESENT OPT. DRILLING W/FULL RETURNS AT 4745'.

DRILLED 235' IN 16 HOURS. DRLG FROM 4510' TO 4525'. RUN SURVEY AT 4485'=3 3/4DEG. DRLG 4525' TO 4558'. TWISTED OFF AT 4558'. TOH, 17 JTS + 16" BELOW BOX. 4 1/4 HRS WO FISHING TOOLS. PICKED UP FISHING TOOLS AND TIH. GOT ON FISH. PU, FISH LOOSE. CHAIN OUT HOLE. LD BAD JT. TIH. 1/2 HR UNPLUG BIT. DRLG FROM 4556' TO 4745'.

REPORT DATE : 2/11/98 MD : 5.265 TVD : 0 DSS : 12 DOL : 11 MW : 8.4 VISC : 28

DAILY DETAILS : PRESENT OPT. DRILLING AT 5265'.

DRLG 4745' TO 4777'. SURVEY AT 4705'=2 3/4DEG. SERVICE RIG. DRLG 4777' TO 4847'. TRIP FOR PLUGGED BIT. DRLG 4847' TO 5265'. SURVEY AT 5203'=1 1/4DEG. REPORT TIME: DRILLING WITH FULL RETURNS.





# WELL CHRONOLOGY REPORT

REPORT DATE : 2/12/98 MD : 5.265 TVD : 0 DSS : 13 DOL : 12 MW : 8.4 VISC : 28

DAILY DETAILS : PRESENT OPT: DRILLING AT 5950'.  
DRILLED 685' IN 23 HOURS. DRL'G 5265' TO 5475'. SERVICE RIG. DRL'G 5475' TO 5619'. SURVEY  
AT 5510'=1 3/4 DEG & INSTALL RT-HEAD. DRL'G 5619' TO 5950'. REPORT TIME: DRILLING WITH  
FULL RETURNS.

REPORT DATE : 2/13/98 MD : 6.427 TVD : 0 DSS : 14 DOL : 13 MW : 8.4 VISC : 31

DAILY DETAILS : PRESENT OPT: DRILLING AT 6427'.  
DRILLED TOTAL OF 477' IN 23 1/4 HOURS. DRLG FROM 5950' TO 6088'. SERVICE RIG. DRLG 6088'  
TO 6119'. RAN SURVEY AT 6079'=1 1/4 DEG. DRLG 6119' TO 6427'. REPORT TIME: DRILLING WITH  
50% TO 60% RETURNS AT 20 FT/HR.

REPORT DATE : 2/14/98 MD : 6.630 TVD : 0 DSS : 15 DOL : 14 MW : 8.7 VISC : 43

DAILY DETAILS : PRESENT OPT: 6630' - RUNNING TEMPERATURE SURVEY.  
DRILLED 203 IN 7 1/2 HOURS. DRILLING 6427' TO 6449' WITH 75 TO 80% RETURNS. DRL'G BREAK  
PRIOR TO BREAK. DRLG 3 1/2 TO 4 MIN F/FT, AFTER BREAK 1 MIN P/FT. FROM 6449' TO 6458' (9  
FT) LOST 100% RETURNS. AT 6449' MIX PIT OF LCM, VIS 49, WT 8.6, PPG 10.5, PUMPED LCM. NO  
RETURNS, TOH W/3 STD'S DP, MIXED 3 PIT OF LCM, VIS 43, WT 8.5, PPG PH 10. TIH W/3 STD'S DC.  
STARTED DRY DRILLING FROM 6458' TO 6630'. CIRC & PUMPED SEEP. MADE SHORT TRIP (5100').  
CIRC HOLE, PUMPED SEEP #2. TOH, LAY DOWN DP & DC. RU CARDINAL SURVEYS COMPANY.  
RUN TEMPERATURE SURVEY, MISS RUN.

REPORT DATE : 2/15/98 MD : 6.630 TVD : 0 DSS : 16 DOL : 15 MW : VISC :

DAILY DETAILS : PRESENT OPT: 6630' - RELEASED RIG AT 12:45 AM.  
RUNNING TEMPERATURE SURVEY. FLUID LEVEL AT 4200'. RU ALLENS CSG CREW. RAN 5 1/2"  
CSG SHOE, 1 JT 5 1/2", 15.50# CSG. FLOAT COLLAR, 33 JTS 5 1/2", 15.50#, K-55, LT&C CSG. 5 1/2"  
DV TOOL AT 5120'. 116 JTS 15.50#, LT&C, K-55 CSG. TOTAL 6634.29', 6630' KB. RU BJ, CEMENT  
1ST STAGE W/450 SX 50/50 POZ CLASS "C" + 2% GEL + .5% FL-62, WT. 11.92 PPG, YIELD 1.25 CU.  
FT/SX. PLUG DOWN AT 3:45 PM 2/14/98. OPEN DV TOOL AT 900 PSI. PUMPED 20 BBLS FWATER.  
RU ON RIG PUMP & PUMPED 200 + BBLS FWATER WITH NO RETURNS. SD, 4 HOURS WOC. AT  
7:45 PM, BJ PUMPED 2ND STAGE W/900 SX 50/50 POZ CLASS "C" + 2% GEL + .5% FL-62, WT 11.92  
PPG, YIELD 1.25 CU. FT/SX. PLUG DOWN 1500 PSI AT 8:45 PM. CLOSED DV TOOL 3000 PSI. RD  
BJ. ND BOP. SET SLIPS. CUT OFF 5 1/2" CSG. WELDED ON BELL NIPPLE. JET PIT. WILL RUN  
TEMPERATURE SURVEY. TOC @ 30' BY TS. RELEASED RIG AT 12:45 AM 2/15/98.


1 - 5 1/2" FLOAT SHOE LT&C	1.50
1 - 5 1/2" SHOE JT 15.50# K-55 LT&C CSG	47.38
1 - 5 1/2" FLOAT COLLAR LT&C	1.50
33 - 5 1/2" 15.50# K-55 LT&C CSG	1465.95
1 - 5 1/2" DV TOOL LT&C	2.00
116 - 5 1/2" 15.50# K-55 LT&C CSG	5119.96
TOTAL CASING	6638.29
CUT OFF	25.29
CASING LEFT IN HOLE	6613.00
KB	17.00
CASING LANDED KB	6630.00

RAN 8 CENTRALIZERS, ON JTS #149, 145, 141, 137, 133, 129, 117, & 115. THREAD LOCKED SHOE,  
FLOAT COLLAR & 2 JTS, DV TOOL AT 5120'

INCLINATION REPORT	
1. FIELD NAME Lusk Delaware, West	2. LEASE NAME Lusk West (Delaware) Unit #916
3. OPERATOR Pioneer Natural Resources USA, INC.	
4. ADDRESS P.O. Box 3178, Midland, Tx. 79702-3178	
5. LOCATION (Section, Block, and Survey) Sec. 29, T-19-S, R-32-E, Lea, N.M.	

[illegible]

172.89 feet.

 **JEANNE E. SAUNDERS**  
Notary Public, State of Texas  
My Commission Expires 9-18-2001

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

N.M. Oil & Gas Division  
P.O. Box 1980  
Hobbs, NM 88241

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires July 31, 1996

**SUNDRY NOTICES AND REPORTS ON WELLS**

*Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.*

*SUBMIT IN TRIPLICATE - Other instructions on reverse side*

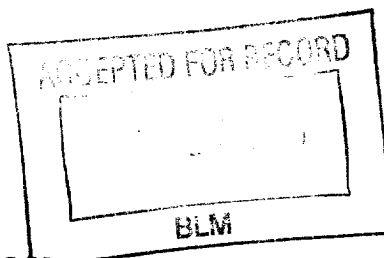
1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NM LC063586
2. Name of Operator Pioneer Natural Resources USA, Inc.		6. If Indian, Allottee or Tribe Name NA
3a. Address P.O. Box 3178 Midland, TX 79702	3b. Phone No. (include area code) 915/571-1363	7. If Unit or CA/Agreement, Name and/or No. Lusk West (Delaware) Unit
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) UL P, 810' FSL & 1140' FEL, Sec. 29, T19S, R32E		8. Well Name and No. #916
		9. API Well No. 30-025-34217
		10. Field and Pool, or Exploratory Area Lusk Delaware, West
		11. County or Parish, State Lea NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <u>Completion</u>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	<u>Details</u>
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomple horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recomple in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the final site is ready for final inspection.)

See Attached Chronology Report



(ORIG. SCD.) GARY GOURLEY

14. I hereby certify that the foregoing is true and correct Name (Printed/Typed) Jeanie Dodd	Title Operations Tech
Date 5/5/98	

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by	Title	Date
Office		

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)