

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

N.M. Oil Con
P 1980
Hobbs, NM 88241

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

5. Lease Designation and Serial No.

NM LC-065710A

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

8. Well Name and No. Lusk West
(Delaware) Unit #016

9. API Well No.
30-025-34031

10. Field and Pool, or Exploratory Area
Lusk Delaware, West

11. County or Parish, State
Lea Co., NM

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Pioneer Natural Resources USA, Inc.

3. Address and Telephone No.

P. O. Box 3178, Midland, TX 79702

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

Unit P, 990' FEL & 990' FSL, Sec. 20, T19S, R32E

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

TYPE OF SUBMISSION

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

TYPE OF ACTION

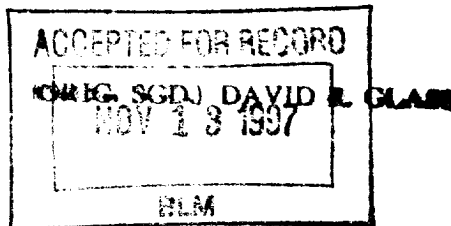
- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other Drilling Details
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Well was permitted as Lusk Deep Unit "A" #21

See Attached Well Chronology Report



14. I hereby certify that the foregoing is true and correct

Signed Jeanne Dodd Title Engineering Tech

Date 11/5/97

(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

Title

Date

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.

*See Instruction on Reverse Side

10/11/10

1007 NOV -7 A 11:30

1007 NOV -7 A 11:30
ROOSEVELT OFFICE

WELL CHRONOLOGY REPORT

WELL NAME : LUSK DEEP UNIT "A" #21OPERATOR : PIONEER NATURAL RESOURCES COMPANYFIELD : LUSK WEST (DELAWARE)COUNTY & STATE : LEA

NM

API# : 30-025-34031LOCATION : UNIT P, 990' FEL & 990' FSL, SEC. 20, T-19-S.

CONTRACTOR :

PLAN DEPTH : 7,200SPUD DATE : 10/2/97FORMATION : LUSK DELAWARE

REPORT DATE : 10/3/97

DAILY DETAILS : FIRST REPORT

GO WEST OUT OF HOBBS, NM ON US HWY 62/180 FOR 37 MILES TO NM HWY 243. TURN RIGHT ON NM HWY 243 & STAY ON IT FOR 4.7 MILES. TURN RIGHT ON THE LUSK FIELD ROAD & GO NORTH FOR 4.3 MILES. TURN RIGHT ON LEASE ROAD & GO EAST 3/4 MILE & TURN NORTH 3/4 MILE INTO LOCATION.

MI RU LAKOTA DRLG CO. RIG #4. SPUD AT 9:00PM 10-2-97. DRLG FROM 40' TO 258'. CIRC & SURVEY. SURVEY AT 258'=3/4DEG. DRLG 258' - 318' WITH FULL RETURNS. ELEVATIONS: GL 3575' & KB 3592'.

REPORT DATE : 10/4/97

DAILY DETAILS : PRESENT OPT: 856' - WOC.

DRILLED 538' IN 13 3/4 HOURS. SURVEYS AT 552'=1/2DEG & 856'=1/2DEG. CIRC. TRIP OUT HOLE W/BIT #1. TRIP IN HOLE W/BIT #2. CIRC HOLE. TOH. RU WEATHERFORD CSG CREW. RAN 20 JTS 13 3/8" 54.5# J-55 8RD NEW CSG AS FOLLOWS:
TEXAS PATTERN SHOE 1.10'
1 - JT 13 3/8" J-55 CSG 44.95'
INSERT FLOAT VALVE 0.00'
19 - JTS 13 3/8" 54.5# J-55 812.78'
TOTAL 858.83'
LESS ABOVE KB 3.20'
CSG LANDED FROM KB 855.63'
USED THREAD LOCK ON SHOE & BOTTOM THREE JTS. RAN 5 CENTRALIZERS, ONE 5' ABOVE SHOE, & ONE EVERY 4TH COLLAR. RU BJ SERVICES. CEMENTED LEAD WITH 475 SX 35/65 POZ CLASS "C" + 6% GEL + 5% SALT + .25 LB/SX CELLO FLAKES. TAIL WITH 200 SX CLASS "C" + NEAT + 2% CACL2 + .25 LB/SX CELLO FLAKES. BUMP PLUG, HELD OK, AT 7:00AM TEXAS TIME. CIRC 60 SX TO PIT. WOC.

REPORT DATE : 10/5/97

MD : 856TVD : 0DSS : 3

DOL :

2 MW : 9.9VISC : 29

DAILY DETAILS : WOC. CUT OFF CSG & WELDED ON 13 3/8" CSG HEAD. NIPPLE UP BOP & CHOKE MANIFOLD. TESTED BLANK & MANIFOLD TO 1000 PSI FOR 30 MINUTES. TIH. TAG CMT AT 770'. DRLG 20' CMT. TOH W/PLUG BIT. TIH. DRLG OUT CMT. TESTED 4 1/2" RAMS & CSG TO 600 PSI FOR 30 MINUTES. TOH.

REPORT DATE : 10/6/97

MD : 1,388TVD : 0DSS : 4

DOL :

3 MW : 9.7VISC : 28

DAILY DETAILS : PRESENT OPT: DRILLING AT 1388'.
BIT LOCKING UP, TOH. WOO. TIH W/BIT #4. UNPLUG FLOWLINE. DRLG OUT CMT. PICK UP ROTATING HEAD. DRLG NEW FORMATION 856' - 921'. DOWN FOR RIG REPAIR. DRLG 921' - 1077'. TRIP FOR NEW BIT #5. DRLG 1077' TO 1388'.

WELL CHRONOLOGY REPORT

REPORT DATE : 10/7/97 MD : 2.555 TVD : 0 DSS : 5 DOL : 4 MW : 10.0 VISC : 29

DAILY DETAILS : PRESENT OPT: DRILLING AT 2555'.
DRILLED 1167' IN 22 1/4 HOURS. SURVEYS AT 1534'=3/4DEG, 2014'=1DEG, & 2517'=1DEG.

REPORT DATE : 10/8/97 MD : 3.081 TVD : 0 DSS : 6 DOL : 5 MW : 10.0 VISC : 29

DAILY DETAILS : PRESENT OPT: DRILLING AT 3081'.
DRILLED 526' IN 23 HOURS. SURVEY AT 2966'=1DEG. LOST FULL RETURNS AT 2997'. PUMPED
PIT OF LCM, 9.9 PPG. LOST 180 BBLs MUD. AT REPORT TIME DRY DRILLING AT 3081'.

REPORT DATE : 10/9/97 MD : 3.625 TVD : 0 DSS : 7 DOL : 6 MW : 8.4 VISC : 28

DAILY DETAILS : PRESENT OPT: DRY DRILLING AT 3625'.
DRILLED 544' IN 16 1/2 HOURS. SURVEY AT 3427'=1 1/4DEG. WORK PIPE, TIGHT HOLE. TOH.
SERVICE RIG & UNPLUG BIT. TIH. WORK PIPE 3114' TO 3145'. SWEEP HOLE 7 TIMES WITH 25
TO 30 BBLs (TOTAL MUD 250 BBLs).

REPORT DATE : 10/10/97 MD : 4.206 TVD : 0 DSS : 8 DOL : 7 MW : 8.6 VISC : 29

DAILY DETAILS : PRESENT OPT: 4206' - RU CSG CREW.
DRILLED 581' IN 17 1/2 HOURS. SURVEY AT 3927'=1 1/4DEG. CIRC HOLE & SPOT PILL ON
BOTTOM. TOH, LD 8" DC. RU CSG CREW.

REPORT DATE : 10/11/97 MD : 4.206 TVD : 0 DSS : 9 DOL : 8 MW : 8.3 VISC : 39

DAILY DETAILS : RU CSG CREW. RUN 81 JTS 8 5/8" CSG, WORK STOCK PIPE @ 3575.95'. USED THREAD LOCK ON
SHOE, FLOAT CLR BTM 3 JTS. RUN CENT ON JTS #81-78, 44, 43, 41 & 40.

1 JT 8 5/8" J-55 32# STC	1.45
FLOAT COLLAR	43.91
35 JTS 8 5/8" 32# J-55 STC	1.20
8 5/8" DV TOOL	1532.26
10 JTS 8 5/8" 32# J-55 STC	2.56
35 JTS 8 5/8" 24# J-55 STC	438.97
	1555.60
	3575.95
LESS ABOVE KB	7.20
CSG LANDED FROM KB	3568.75

RU BJ & CMTD WELL W/685 SX LEAD 50-50 POZ CL C + 10% GEL + 5% SALT + TAIL 100 SX C HEAT
+ 1% CACL2 WITH 100 SX TAIL IN CSG. PUMPING @ 2000#, CUT CMT, DROP PLUG,
RECIPROCATATE THE CSG WHILE PMPG @ 1/3 TO 1/2 BPM @ 2100# TO 2300#. TOTAL WTR PMP
ON TOP PLUG 14 1/4 BLS, PLUG @ 210 & FTS. SD 2300PSI, 2804 SX CMT BACKSIDE OF CSG 800'
=1. ND BOP, CUT OFF CSG & WELD ON WELLHD. NU BOP.

REPORT DATE : 10/12/97 MD : 4.206 TVD : 0 DSS : 10 DOL : 9 MW : 8.4 VISC : 28

DAILY DETAILS : PU BHA, ROLL 8 5/8" CSG + 8" DC, STRAP DP, DRLG CMT 207 - 381'. LD 18 JTS DP, RUN 18 6" DC.
DRLG 781 - 1600'. AT RPT TIME, DRLG CMT 1600' @ 90' PER HR.

WELL CHRONOLOGY REPORT

REPORT DATE : 10/13/97 MD : 4.206 TVD : 0 DSS : 11 DOL : 10 MW : 8.4 VISC : 28

DAILY DETAILS : DRLG CMT 1600' - 1977', TESTED DV TOOL & BOP TO 1000 PSI. 15 MIN OK. SERV RIG, DRLG CMT 1977' - 3541', CIRC HOLE. LD 83 JTS DP, RU JSI, RUN BOND LOG. GOOD BOND ON BTM 87 FT 3470' - 3557'. RIG REPAIR, ADJUST BRAKES. TI HOLE WITH BIT. DRLG CMT 3541' - 3609' 51' BELOW CSG. AT REPORT TIME, DRLG GOOD CMT @ 3609'.

REPORT DATE : 10/14/97 MD : 4.616 TVD : 0 DSS : 12 DOL : 11 MW : 8.4 VISC : 28

DAILY DETAILS : LOST RETURNS @ 3609'. MIX LCM (PILL), PMPD 175 BLS LCM, WORKING THRU TIGHT SPOTS 3609' - 4206'. CIRC & PMP SWEEPS. CLEAN HOLE UP, DRLG NEW FORMATION 4206' - 4272', INSTALL DRIVE BUSHINGS, DRLG 4272' - 4429'. RUN SURVEY 4398' 1 1/2 DEG, DRLG 4429' - 4616'. PMPD TOTAL 675 BLS MUD IN SWEEPS. AT RPT TIME, DRY DRLG @ 4616'.

REPORT DATE : 10/15/97 MD : 4.787 TVD : 0 DSS : 13 DOL : 12 MW : 8.4 VISC : 28

DAILY DETAILS : DRLG 4616'-4678', SERV RIG, DRLG 4678'-4787', TOH. TIH W/37 STUDS & DBL DP OPEN ENDED 3534'. RU BJ FOR SQZ JOB #1. PMPD 501 SX CL C CMT + 235 # BA-10 BONDING AGENT + 3055# A-10 GPYSUM + 940# CACL2 CALCIUM CHLORIDE + 3000 # GILSONITE. PMPD @ 6 BPM. STOPPED CMT 500' IN DP, ISDP 608 PSI - 6:03PM TEXAS TIME. TOH W/DP, TIH W/30 - 6' DP + 1 STDS DC. WOC 5 HRS. ATTEMPT TO LOAD 8 5/8" CSG, PMPD 350 BLS FWATER 100 BLS OVER CSG VOLUME. TOH W/DC, TIH W/DP OPEN ENDED. TAG CMT @ 2346'. PU KELLY AND PUMPED 200 BLS FWATER W/NO RETURNS. TOH. TIH W/BIT, BIT SUB + 21 - 6"DC + DP. TAG CMT @ 2346' DRLG 5', 10' OPEN HOLE. TAG UP ON CMT @ 2356'. DRLG CMT @ 2394' AT REPORT TIME.

REPORT DATE : 10/16/97 MD : 4.787 TVD : 0 DSS : 14 DOL : 13 MW : 8.4 VISC : 28

DAILY DETAILS : DRLG. 2394' TO 2646', CIRC HOLD. TOH, RUN 1 STD DP. RUN TEMP SURVEY & TRACER LOG. CSG LEAK @ 74'. ND BOP. RUN SPEAR, LATCH INTO 8 5/8. SLIPS CAME OUT @ 100,000#. PULL & LD 2 JTS. 8 5/8. RUN MAGNET, NO RECOVERY. PU SPEAR & TIH. LATCH INTO 8 5/8. RU BACK OFF TRK. RAN STRING SHOT IN HOLE. STARTED TO PUT REVERSE TORQUE IN CSG., CSG BACKED OFF @ 167'. DID NOT FIRE STRING SHOT. PULLED & LD TOP JT. OF FISH. PU 3 JTS. 8 5/8 24# CSG. TIH, SCREW INTO 8 5/8 FISH. SET SLIPS, CUT OFF 8 5/8. WELD ON 8 5/8 CSG HEAD.

REPORT DATE : 10/17/97 MD : 4.787 TVD : 0 DSS : 15 DOL : 14 MW : 8.4 VISC : 28

DAILY DETAILS : NU BOP. TIH W/BIT & DC'S. SET ON OBSTRUCTION @ 380'. PRESS TEST CSG TO 1000 PSI. LOST 75 PSI/30 MIN. CONTINUE TIH. OBSTRUCTION GONE. TAG CMT @ 2646'. DRILL CMT 2646-3385 (739'). ART: DRLG CMT.

REPORT DATE : 10/18/97 MD : 4.797 TVD : 0 DSS : 16 DOL : 15 MW : 8.4 VISC : 28

DAILY DETAILS : DRLG CMT 3385'-3448'. SR. DRLG CMT 3448'-3511'. CIRC & TESTED CSG. 575# FOR 30 MIN. DRLG CMT 3511' 25% CEMENT & 75% NEW FORMATION. 3699' 50% CMT & 50% FORMATION. RUN SURVEY @ 3699' @ 2 1/2 DEG., 3795' @ 2 DEG. DRL CMT 3699'-3795'. BACK IN OPEN HOLE @ 3883'. TIH, WASH 40' TO BTM.

WELL CHRONOLOGY REPORT

REPORT DATE : 10/19/97 MD : 5,210 TVD : 0 DSS : 17 DOL : 16 MW : 8.4 VISC : 28

DAILY DETAILS : DRLG. 4787'-4823'. SR. DRLG 4823'-4854'. CIRC SEEP & RUN SURVEY @ 4823'. DRLG 4823'-4980'. LOST FULL RETURNS @ 49890'. LOST 200 PSI ON MUD PUMP, PUMPED 100 BBLs LCM. DRLG AHEAD W/NO RETURNS. RUN SEEPAGE 30' - 60'. DRLG 4980'-5210'. TOH. RU HOLMES WIRELINE. RUN TEMPERATURE SURVEY. INDICATE NO FLOW @ 910'. VELOCITY SHOTS INDICATE NO MOVEMENT @ 932'. WOB.

REPORT DATE : 10/20/97 MD : 5,667 TVD : 0 DSS : 18 DOL : 17 MW : 8.4 VISC : 28

DAILY DETAILS : BO BIT. CUT DRLG LINE. TIH. DRLG 5210'-5542'. SURVEY @ 5542'. DRLG 5542'-5667'. DRLG ART 5667'. PUMPED 260 BBLs LCM IN SWEEPS. TIH HIT TIGHT SPOT @ 912'. SET DWN W/1000#, TURN TO RIGHT 1/4 TURN. BIT FREE. FINISHED TIH. CURRENTLY DRY DRILLING.

REPORT DATE : 10/21/97 MD : 6,145 TVD : 0 DSS : 19 DOL : 18 MW : 8.6 VISC : 33

DAILY DETAILS : DRLG 5667' TO 5699'. SR. REGAINED 50% TO 60%. CIRC. @ 5699'. RUN 100 BBLs LCM SWEEP. STARTED MUDING UP @ 5750' IN STEEL PITS, 5810' DRLG W/100% RETURNS. DRLG 5699' - 5923'. TOH W/HOLE IN DP. HOLE IN JT 154 DWN FRM TOP. TIH, DRLG 5923' TO 6040'. SURVEY 1 1/2 DEG, 6040' - 6145'. ART: DRLG W/FULL RETURNS. MUD LOSS FOR 24 HRS. 150 BBLs.

REPORT DATE : 10/22/97 MD : 6,580 TVD : 0 DSS : 20 DOL : 19 MW : 9.1 VISC : 33

DAILY DETAILS : DRLG 6145'-6164'. SR. DRLG 6164'-6580'. ART DRLG W/FULL RETURNS.

REPORT DATE : 10/23/97 MD : 6,600 TVD : 0 DSS : 21 DOL : 20 MW : 9.1 VISC : 34

DAILY DETAILS : TD @ 8:00 AM 10/22/97 @ 6600'. CIRC & PUMPED 100 BBLs SWEEP. RU & LD DP & DC. RU CSG CREW. RAN 152 JTS 5 1/2 15.5# K-55 LTC CSG W/DV TOOL @ 5218.53 KB. RU BJ & CMT 1ST STAGE. BUMP PLUG 2148 PSI. FLOAT HELD, DROP BOMB. OPEN DV TOOL. CIRC HOLE W/350 BBLs FW. SD 4 HRS. WOC. CMT 2ND STAGE. BUMP PLUG CLOSE DV TOOL 2700 PSI. CIRC 112 SKS CMT TO PIT. ART ND BOP FOR CUT OFF.

CASING DETAIL:

1 - 5 1/2" GUIDE SHOE LTC	1.60	
1 - 5 1/2" SHOE JT 15.5# K-55 LTC	44.87	
1 - 5 1/2" FLOAT COLLAR LTC	1.85	
77 - 5 1/2" 15.5# K-55 LTC CSG	3339.35	
1 - 5 1/2" DV TOOL	2.15	3218.53
74 - 5 1/2" 15.5# K-55 LTC CSG	3218.53	
TOTAL CASING	6608.35	
CUT-OFF	25.35	
CSG LEFT IN HOLE	6583.00	
KB	17.00	
CSG LANDED KB	6600.00	

CEMENT DETAIL:

1ST STAGE: 685 SX 50/50 POZ CL"C" + 10% GEL + 5% SALT. TAIL: 100 SX CL"C" + 2% CACL2 + 5/10% fl - 62 BUMP PLUG 2148 PSI. FLOAT HELD. 2ND STAGE: 825 SKS 50/50 POZ CL"C" 10% GEL + 5% SALT. TAIL: 100 SKS CL"C" + 1% CACL2.

DV TOOL @ 3218.53 FT. USED THREAD LOCK ON SHOE, 1-JT CSG. FLOAT COLLAT, 1-JT CSG., DV TOOL.

PERC

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WELL CHRONOLOGY REPORT

REPORT DATE : 10/24/97

MD : 6.600

TVD : 0

DSS : 22

DOL : 21 MW :

VISC :

DAILY DETAILS : ND BOP, SET SLIPS, WELDED ON 5 1/2" WELLHEAD. JET PITS. RELEASED RIG LAKOTA #4 @
11:00AM ON 10/23/97.