

DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

N.M. Oil Co. Division

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

SUNDRY NOTICES AND REPORTS ON WELLS

1625 N. French Dr.

Hobbs, NM 88240

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

NM-94120

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on reverse side

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

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Pioneer Natural Resources USA, Inc.

8. Well Name and No.

Patton "19" #1
Federal

3a. Address

5205 N. O'Connor Blvd Suite 1400, Irving, TX 75039

3b. Phone No. (include area code)

972-969-3969

9. API Well No.

30-025-33973

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

1980' FSL & 1980' FWL, Sec 19, T26S, R34E

10. Field and Pool, or Exploratory Area
Bradley-Bone Spring

11. County or Parish, State

Lea Co. 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

- | | | | |
|---|---|--|--|
| ☐ Acidize | ☐ Deepen | ☐ Production (Start/Resume) | ☐ Water Shut-Off |
| ☐ Alter Casing | ☐ Fracture Treat | ☐ Reclamation | ☐ Well Integrity |
| ☐ Casing Repair | ☐ New Construction | ☐ Recomplete | ☒ Other Spud/Csg rcd |
| ☐ Change Plans | ☐ Plug and Abandon | ☐ Temporarily Abandon | |
| ☐ Convert to Injection | ☐ Plug Back | ☐ 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.)

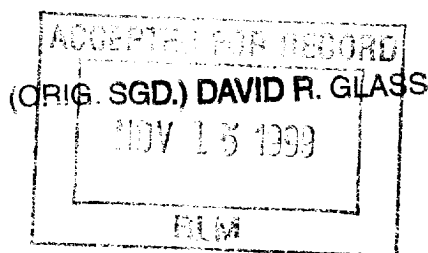
7/14/97 - Spud Well

7/16/97 - Ran 11 3/4" Casing set @858'

7/25/97 - Ran 8 5/8" Casing set @5300'

DID NOT COMPLETE WELL

8/16/97 - Set Dry Hole Marker



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

Brandi L. Gantt

Title

Engineer Tech

Date 10/25/99

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)

COPY

WELL CHRONOLOGY REPORT

WELL NAME : PATTON FEDERAL 19 #1WELL ID# : 924852001OPERATOR : P&P DEV., L.P.DIVISION : PERMIANFIELD : WILDCATLOCATION : 1980' FSL & 1980' FWL, SEC. 19K, T26S, R34ECOUNTY & STATE : LEANM

CONTRACTOR :

FORMATION : BONE SPRINGPLAN DEPTH : 12,500NW1 W1% : 50.000AFE# : 317045API# : 30-025-33973SPUD DATE : 7/14/97DHC : \$494,100CWC : \$513,512AFE TOTAL : \$1,007,612**REPORT DATE : 6/29/97**

MD:

TVD :

DSS : 0 DOL :

FTG:

MW: VISC:

DAILY : DC :

CC : \$0TC : \$0CUM : DC : \$0CC : \$0TC : \$0

DAILY DETAILS : FIRST REPORT

DIRECTIONS: GO WEST ON HWY 128 FROM JAL FOR 13 MILES DRIVING 0.5 MILES WEST PAST MILE MARKER 39 TO CATTLE GUARD ON SOUTH SIDE (LEFT) OF ROAD. AT THE CATTLE GUARD THERE IS A RUBERT MADERA SIGN ON THE EAST SIDE AND A DIAMOND AND A HALF RANCH SIGN ON THE WEST SIDE. PROCEED THROUGH CATTLE GUARD HEADING SOUTHWEST. DRIVE 13.3 MILES TO A NO TRESPASSING SIGN. TURN EAST (LEFT) AND GO 2.5 MILES TO TWO GAS METERS ON THE SOUTH (RIGHT) SIDE OF THE ROAD. TURN RIGHT AND GO 2.0 MILES TO A NEW ROAD ON THE RIGHT. LOCATION IS APPROXIMATELY 0.7 MILES STRAIGHT AHEAD.

ROAD AND LOCATION 85% COMPLETE. SHOULD FINISH ON 6-30-97.

REPORT DATE : 6/30/97

MD:

TVD :

DSS : 0 DOL : 1

FTG:

MW: VISC:

DAILY : DC : \$18,000CC : \$0TC : \$18,000CUM : DC : \$18,000CC : \$0TC : \$18,000

DAILY DETAILS : FINISHED ROAD AND LOCATION. SET 2 CATTLE GUARDS.

REPORT DATE : 7/15/97MD: 305

TVD :

DSS : 1 DOL : 2FTG: 265

MW: VISC:

DAILY : DC : \$33,850CC : \$0TC : \$33,850CUM : DC : \$51,850CC : \$0TC : \$51,850

DAILY DETAILS : RIG UP. SPUD ON 7/14/97. DRILLING AT 305'. SURVEY AT 261'=1/2DEG. DRILL 14 3/4" HOLE.

REPORT DATE : 7/16/97MD: 858

TVD :

DSS : 2 DOL : 3FTG: 553MW: 10.4 VISC: 33DAILY : DC : \$9,463CC : \$0TC : \$9,463CUM : DC : \$61,313CC : \$0TC : \$61,313

DAILY DETAILS : PRESENT OPT: DRILLING AT 858'.

TRIP FOR PLUGGED BIT. SURVEYS AT 510'=3/4DEG & 743'=3/4DEG. CIRCULATE, TOH, LD RM & SHOCK SUB. RU & RUNNING 11 3/4" CSG. DRILLED 553' IN 16 3/4 HOURS.

WELL CHRONOLOGY REPORT

WELL NAME : PATTON FEDERAL 19 #1WELL ID# : 924852001OPERATOR : P&P DEV., L.P.DIVISION : PERMIANFIELD : WILDCATLOCATION : 1980' FSL & 1980' FWL, SEC. 19K, T26S, R34ECOUNTY & STATE : LEANM

CONTRACTOR :

FORMATION : BONE SPRINGPLAN DEPTH : 12,500NWI WI% : 50.000AFE# : 317045API# : 30-025-33973SPUD DATE : 7/14/97DHC : \$494,100CWC : \$513,512AFE TOTAL : \$1,007,612**REPORT DATE : 7/17/97**MD: 918

TVD :

DSS : 3DOL : 4FTG: 60MW: 7.8 VISC: 28DAILY : DC : \$30,667CC : \$0TC : \$30,667CUM : DC : \$91,980CC : \$0TC : \$91,980

DAILY DETAILS : PRESENT OPT: DRILLING AT 918'.

RUNNING 11 3/4" CSG. RU BJ & CIRC. CEMENT. WOC. CUT OFF, WELD ON FLANGE. TEST BOP.
 PU SHOCK SUB - TIH. DRLG PLUG, FLOAT, & CEMENT. TRIP FOR BHA. CSG & CMT DETAIL
 BELOW:

11 3/4" TEXAS PATTEN SHOE .60

1 - 11 3/4" 42# H-40 ST&C 40.29

11 3/4" INSERT FLOAT 0.00

18 - 11 3/4" 42# H-40 ST&C 820.96

861.85

KB UP 3.85

858.00

RAN 5 CENTRALIZERS; JT #1, 6, 10, 14, 18. COVERING 835 TO 89 FT. DELIVERED 20 JTS=TOTAL
 900.90'. LEFT ON LOCATION 1 JT=39.65'. BJ CEMENTED: PUMPED 10 BBLS FW AHEAD @ 6 1/2
 BPM @ 200 PSI. LEAD W/200 SX CLASS "C" + 4% GEL + 2% CACAL2 + 1/4# CELLOFLAKE @ 6 BPM
 @ 200 PSI. TAIL W/250 SX CLASS "C" + 2% CACAL2 + 1/4# CELLOFLAKE @ 6 1/2 BPM @ 280 PSI.
 PUMPED 96 BBLS FW DISPLACEMENT. LEFT 2 BBLS ON TOP OF FLOAT, DID NOT BUMP PLUG.
 PUMPED @ 6 BPM @ 350 PSI. CIRCULATED 87 SX TO RESERVE.

REPORT DATE : 7/18/97MD: 2,167

TVD :

DSS : 4DOL : 5FTG: 1,249MW: 10.0 VISC: 28DAILY : DC : \$13,342CC : \$0TC : \$13,342CUM : DC : \$105,322CC : \$0TC : \$105,322

DAILY DETAILS : PRESENT OPT: DRILLING AT 2167'.

FINISH TRIP FOR BHA. REAM TO BOTTOM. AIR POCKET @ 1329', UNLOADED HOLE. BLED OFF
 AIR POCKET. SURVEYS AT 1095'=1/2DEG, 1345'=1DEG, 1656'=1 1/4DEG, & 1904'=1 1/2DEG.
 DRILLED 1249' IN 21 1/2 HOURS.

REPORT DATE : 7/19/97MD: 3,170

TVD :

DSS : 5DOL : 6FTG: 1,003MW: 10.0 VISC: 28DAILY : DC : \$7,885CC : \$0TC : \$7,885CUM : DC : \$113,207CC : \$0TC : \$113,207

DAILY DETAILS : PRESENT OPT: DRILLING AT 3170'.

DRILLED 1003' IN 22 1/4 HOURS. SURVEYS AT 2151'=1 1/4DEG, 2400'=3/4DEG, 2649'=3/4DEG, &
 2915'=1 1/4DEG.

REPORT DATE : 7/20/97MD: 3,582

TVD :

DSS : 6DOL : 7FTG: 412MW: 10.0 VISC: 29DAILY : DC : \$6,960CC : \$0TC : \$6,960CUM : DC : \$120,167CC : \$0TC : \$120,167

DAILY DETAILS : PRESENT OPT: DRILLING AT 3582'.

DRILLED 412' IN 22 1/2 HOURS. SURVEYS AT 3157'=2DEG, 3380'=2DEG, & 3467'=1 3/4DEG.

REPORT DATE : 7/21/97MD: 3,986

TVD :

DSS : 7DOL : 8FTG: 404MW: 10.1 VISC: 28DAILY : DC : \$6,919CC : \$0TC : \$6,919CUM : DC : \$127,086CC : \$0TC : \$127,086

DAILY DETAILS : PRESENT OPT: DRILLING AT 3986'.

DRILLED 404' IN 22 1/2 HOURS. SURVEYS AT 3621'=2DEG, 3776'=2 1/2DEG, & 3931'=3DEG.

WELL CHRONOLOGY REPORT

WELL NAME : PATTON FEDERAL 19 #1OPERATOR : P&P DEV., L.P.FIELD : WILDCATCOUNTY & STATE : LEAFORMATION : BONE SPRINGNWI WI% : 50.000AFE# : 317045API# : 30-025-33973DHC : \$494,100CWC : \$513,512WELL ID# : 924852001DIVISION : PERMIANLOCATION : 1980' FSL & 1980' FWL, SEC. 19K, T26S, R34E

CONTRACTOR :

PLAN DEPTH : 12,500SPUD DATE : 7/14/97AFE TOTAL : \$1,007,612

REPORT DATE : 7/22/97 MD: 4,200 TVD : DSS : 8 DOL : 9 FTG: 214 MW: 10.1 VISC: 28
 DAILY : DC : \$6,445 CC : \$0 TC : \$6,445 CUM : DC : \$133,531 CC : \$0 TC : \$133,531
 DAILY DETAILS : PRESENT OPT: DRILLING AT 4200'.
 DRILLED 214' IN 16 1/4 HOURS. SURVEYS AT 3995'=3DEG, 4053'=2 3/4DEG, & 4117'=2 1/2DEG.

REPORT DATE : 7/23/97 MD: 4,555 TVD : DSS : 9 DOL : 10 FTG: 355 MW: 10.0 VISC: 29
 DAILY : DC : \$7,835 CC : \$0 TC : \$7,835 CUM : DC : \$141,366 CC : \$0 TC : \$141,366
 DAILY DETAILS : PRESENT OPT: DRILLING AT 4555'.
 DRILLED 355' IN 22 1/2 HOURS. SURVEYS AT 4210'=2DEG, 4360'=3/4DEG, & 4524'=1 3/4DEG.

REPORT DATE : 7/24/97 MD: 5,100 TVD : DSS : 10 DOL : 11 FTG: 545 MW: 10.0 VISC: 29
 DAILY : DC : \$7,245 CC : \$0 TC : \$7,245 CUM : DC : \$148,611 CC : \$0 TC : \$148,611
 DAILY DETAILS : PRESENT OPT: DRILLING AT 5100'.
 DRILLED 545' IN 23 HOURS. SURVEYS AT 4680'=1 1/2DEG & 4835'=1/4DEG.

REPORT DATE : 7/25/97 MD: 5,316 TVD : DSS : 11 DOL : 12 FTG: 216 MW: 10.0 VISC: 29
 DAILY : DC : \$7,445 CC : \$0 TC : \$7,445 CUM : DC : \$156,056 CC : \$0 TC : \$156,056
 DAILY DETAILS : PRESENT OPT: DRILLING AT 5316' - TOH TO RUN 8 5/8" CSG.
 DRILLED 216' IN 15 HOURS. CIRC SAMPLES @ 5270' & @ 5290'. CIRC SAMPLES & PUMP SWEEP
 @ 5906'. CIRC @ 5316' TO RUN CSG. TOH, RU, LD MACHINE - LD 8" DC'S.

REPORT DATE : 7/26/97 MD: 5,300 TVD : DSS : 12 DOL : 13 FTG: MW: VISC:
 DAILY : DC : \$74,230 CC : \$0 TC : \$74,230 CUM : DC : \$230,286 CC : \$0 TC : \$230,286
 DAILY DETAILS : TOH. 5316' WAS DEPTH CORRECTED - SLM - 5302', CORRECT W/CSG TALLIE TO 5300'. RU & RUN
 8 5/8" CSG. WASH 30' & CIRCULATE. CEMENT, WOC, PU BOP'S, & CUT OFF. WELD ON HEADS.
 CSG & CMT DETAIL BELOW:
 8 5/8" TEXAS PATTERN SHOE .80
 1 - 8 5/8" 32# HCK-55 ST&C 45.14
 8 5/8" FLOAT COLLAR 1.35
 36 - 8 5/8" 32# HCK-55 ST&C 1553.93
 84 - 8 5/8" 32# J-55 ST&C 3741.03
 TOTAL 5342.25
 KB UP 42.25
 SITTING DEPTH 5300.00
 RAN 8 CENTRALIZERS: 1 MIDDLE OF 1ST JT AND EVERY 4TH JT FOR THE NEXT 7. COVERING
 FROM 5290' TO 4044'. TOTAL PIPE DELIVERED: 37 JTS - 32# HCK-55 ST&C=1599.07 & 85 JTS - 32#
 J-55 ST&C=3786.82. TOTAL PIPE DELIVERED=5385.89. BJ SERVICES CEMENTED: PUMPED 10
 BBLS FW AHEAD @ 5 BPM @ 350 PSI. LEAD W/200 SX CLASS "C" 35/65 POZ + 6% GEL + 5% SALT
 + 1/4# CELLOFLAKE PUMPED @ 6 BPM @ 350 PSI, 12.5# WT, YIELD 2.04. TAIL W/200 SX CLASS "C"
 + 2% CACAL2 PUMPED @ 3 1/2 BPM @ 300 PSI, 14.8# WT, YIELD 1.34. DISPLACED W/322.5 BBLS
 FRESH WATER @ 6-8 BPM. DID NOT BUMP PLUG. DID NOT OVER DISPLACE. MAX. PSI 800#.

WELL CHRONOLOGY REPORT

WELL NAME : PATTON FEDERAL 19 #1OPERATOR : P&P DEV., L.P.FIELD : WILDCATCOUNTY & STATE : LEAFORMATION : BONE SPRINGNW1 W1% : 50.000AFE# : 317045API# : 30-025-33973DHC : \$494,100CWC : \$513,512WELL ID# : 924852001DIVISION : PERMIANLOCATION : 1980' FSL & 1980' FWL, SEC. 19K, T26S, R34E

CONTRACTOR :

PLAN DEPTH : 12,500SPUD DATE : 7/14/97AFE TOTAL : \$1,007,612

REPORT DATE : 7/27/97 MD: 5,550 TVD : DSS : 13 DOL : 14 FTG: 250 MW: 8.5 VISC: 28
 DAILY : DC : \$19,877 CC : \$0 TC : \$19,877 CUM : DC : \$250,163 CC : \$0 TC : \$250,163

DAILY DETAILS : TESTED BOP'S WITH MONAHANS NIPPLE UP AS FOLLOWS: BLIND RAMS, PIPE RAMS, HCR VALVE, INSIDE & OUTSIDE CHOKE VALVES, W/LOW. 250 PSI & HIGH 3000 PSI, ALL OK. TESTED ANNULAR W/1500 PSI. CHECK VALVE FAILED, UPPER & LOWER KELLY VALVES FAILED. WILL CHANGE OUT SAME ON 1ST TRIP.

REPORT DATE : 7/28/97 MD: 6,369 TVD : DSS : 14 DOL : 15 FTG: 819 MW: 8.5 VISC: 28
 DAILY : DC : \$7,280 CC : \$0 TC : \$7,280 CUM : DC : \$257,443 CC : \$0 TC : \$257,443

DAILY DETAILS : PRESENT OPT: DRILLING AT 6369'.
 DRILLED 819' IN 23 HOURS. SURVEYS AT 5511'=1 1/2DEG & 6010'=1 1/2DEG.

REPORT DATE : 7/29/97 MD: 7,083 TVD : DSS : 15 DOL : 16 FTG: 714 MW: 8.5 VISC: 28
 DAILY : DC : \$7,415 CC : \$0 TC : \$7,415 CUM : DC : \$264,858 CC : \$0 TC : \$264,858

DAILY DETAILS : PRESENT OPT: DRILLING AT 7083'.
 DRILLED 714' IN 23 HOURS. SURVEYS AT 6509'=1 1/2DEG & 7006'=1 1/2DEG.

REPORT DATE : 7/30/97 MD: 7,730 TVD : DSS : 16 DOL : 17 FTG: 647 MW: 8.5 VISC: 28
 DAILY : DC : \$7,715 CC : \$0 TC : \$7,715 CUM : DC : \$272,573 CC : \$0 TC : \$272,573

DAILY DETAILS : PRESENT OPT: DRILLING AT 7730'.
 DRILLED 647' IN 23 1/2 HOURS. SURVEY AT 7505'=1 3/4DEG.

REPORT DATE : 7/31/97 MD: 8,270 TVD : DSS : 17 DOL : 18 FTG: 540 MW: 8.5 VISC: 28
 DAILY : DC : \$8,678 CC : \$0 TC : \$8,678 CUM : DC : \$281,251 CC : \$0 TC : \$281,251

DAILY DETAILS : PRESENT OPT: DRILLING AT 8270'.
 DRILLED 540' IN 23 1/2 HOURS. SURVEY AT 8006'=2DEG.

REPORT DATE : 8/1/97 MD: 8,765 TVD : DSS : 18 DOL : 19 FTG: 495 MW: 8.5 VISC: 28
 DAILY : DC : \$7,415 CC : \$0 TC : \$7,415 CUM : DC : \$288,666 CC : \$0 TC : \$288,666

DAILY DETAILS : PRESENT OPT: DRILLING AT 8765'.
 DRILLED 495' IN 23 1/2 HOURS. SURVEY AT 8506'=1 1/2DEG.

REPORT DATE : 8/2/97 MD: 8,975 TVD : DSS : 19 DOL : 20 FTG: 210 MW: 8.5 VISC: 28
 DAILY : DC : \$13,731 CC : \$0 TC : \$13,731 CUM : DC : \$302,397 CC : \$0 TC : \$302,397

DAILY DETAILS : PRESENT OPT: DRILLING AT 8975'.
 DRILLED 210' IN 12 3/4 HOURS. SURVEY AT 8804'=2DEG. DROP TOTCO. TOH. CHANGE BHR. TIH. WASH & REAM TO BOTTOM. STRAP IN HOLE, MADE 5' (+) CORRECTION. INSTALL NEW UPPER KELLY VALVE.

WELL CHRONOLOGY REPORT

WELL NAME : PATTON FEDERAL 19 #1WELL ID# : 924852001OPERATOR : P&P DEV., L.P.DIVISION : PERMIANFIELD : WILDCATLOCATION : 1980' FSL & 1980' FWL, SEC. 19K, T26S, R34ECOUNTY & STATE : LEANM

CONTRACTOR :

FORMATION : BONE SPRINGPLAN DEPTH : 12,500NW1 W1% : 50.000AFE# : 317045API# : 30-025-33973SPUD DATE : 7/14/97DHC : \$494,100CWC : \$513,512AFE TOTAL : \$1,007,612

REPORT DATE : 8/3/97 MD: 9,380 TVD : DSS : 20 DOL : 21 FTG: 405 MW: 8.5 VISC: 28
 DAILY : DC : \$7,415 CC : \$0 TC : \$7,415 CUM : DC : \$309,812 CC : \$0 TC : \$309,812
 DAILY DETAILS : PRESENT OPT: DRILLING AT 9380'.
 DRILLED 405' IN 23 HOURS. SURVEY AT 9297'=2DEG.

REPORT DATE : 8/4/97 MD: 9,885 TVD : DSS : 21 DOL : 22 FTG: 505 MW: 8.5 VISC: 28
 DAILY : DC : \$9,085 CC : \$0 TC : \$9,085 CUM : DC : \$318,897 CC : \$0 TC : \$318,897
 DAILY DETAILS : PRESENT OPT: DRILLING AT 9885'.
 DRILLED 505' IN 23 HOURS. SURVEY AT 9787'=1 3/4DEG.

REPORT DATE : 8/5/97 MD: 10,238 TVD : DSS : 22 DOL : 23 FTG: 353 MW: 8.5 VISC: 28
 DAILY : DC : \$7,415 CC : \$0 TC : \$7,415 CUM : DC : \$326,312 CC : \$0 TC : \$326,312
 DAILY DETAILS : PRESENT OPT: DRILLING AT 10,238'.
 DRILLED 353' IN 14 1/2 HOURS. CHAIN OUT TO DRILL COLLARS. TIH. LD JT, 20# DP ON TOP OF
 DC'S. CRACK 1 FT. ABOVE PIN END. WASH 60' TO BOTTOM.

REPORT DATE : 8/6/97 MD: 10,765 TVD : DSS : 23 DOL : 24 FTG: 527 MW: 8.5 VISC: 28
 DAILY : DC : \$7,739 CC : \$0 TC : \$7,739 CUM : DC : \$334,051 CC : \$0 TC : \$334,051
 DAILY DETAILS : PRESENT OPT: DRILLING AT 10,765'.
 DRILLED 527' IN 22 3/4 HOURS. SURVEYS AT 10,253'=2 1/2DEG & 10,718'=1DEG.

REPORT DATE : 8/7/97 MD: 10,975 TVD : DSS : 24 DOL : 25 FTG: 210 MW: 8.5 VISC: 28
 DAILY : DC : \$7,949 CC : \$0 TC : \$7,949 CUM : DC : \$342,000 CC : \$0 TC : \$342,000
 DAILY DETAILS : PRESENT OPT: DRILLING AT 10,975'.
 DRILLED 210' IN 10 HOURS. TOTCO, SLM - NO CORRECTIONS, TOH. REPAIRS ON BRAKES. CUT
 DRLG LINE. TIH. PICKED UP 18 JTS 4 1/2" DRILL PIPE. SURVEY AT 10,827'=1DEG.

REPORT DATE : 8/8/97 MD: 11,410 TVD : DSS : 25 DOL : 26 FTG: 435 MW: 8.5 VISC: 28
 DAILY : DC : \$7,415 CC : \$0 TC : \$7,415 CUM : DC : \$349,415 CC : \$0 TC : \$349,415
 DAILY DETAILS : PRESENT OPT: DRILLING AT 11,410'.
 DRILLED 435' IN 23 HOURS. SURVEY AT 11,308'=1DEG.

REPORT DATE : 8/9/97 MD: 11,885 TVD : DSS : 26 DOL : 27 FTG: 475 MW: 8.5 VISC: 28
 DAILY : DC : \$14,060 CC : \$0 TC : \$14,060 CUM : DC : \$363,475 CC : \$0 TC : \$363,475
 DAILY DETAILS : PRESENT OPT: DRILLING AT 11,885'.
 DRILLED 475' IN 23 HOURS. SURVEY AT 11,808'=1 3/4DEG.

WELL CHRONOLOGY REPORT

WELL NAME : PATTON FEDERAL 19 #1OPERATOR : P&P DEV., L.P.FIELD : WILDCATCOUNTY & STATE : LEAFORMATION : BONE SPRINGNWI WI% : 50.000AFE# : 317045API# : 30-025-33973DHC : \$494,100CWC : \$513,512WELL ID# : 924852001DIVISION : PERMIANLOCATION : 1980' FSL & 1980' FWL, SEC. 19K, T26S, R34E

CONTRACTOR :

PLAN DEPTH : 12,500SPUD DATE : 7/14/97AFE TOTAL : \$1,007,612

REPORT DATE : 8/10/97 MD: 12,333 TVD : DSS : 27 DOL : 28 FTG: 448 MW: 8.5 VISC: 28
 DAILY : DC : \$7,959 CC : \$0 TC : \$7,959 CUM : DC : \$371,434 CC : \$0 TC : \$371,434
 DAILY DETAILS : PRESENT OPT: DRILLING AT 12,333'.
 DRILLED 448' IN 24 HOURS.

REPORT DATE : 8/11/97 MD: 12,604 TVD : DSS : 28 DOL : 29 FTG: 271 MW: 8.5 VISC: 28
 DAILY : DC : \$7,415 CC : \$0 TC : \$7,415 CUM : DC : \$378,849 CC : \$0 TC : \$378,849
 DAILY DETAILS : PRESENT OPT: 12,604' - TRIP OUT OF HOLE.
 DRILLED 271' IN 15 1/4 HOURS. CIRC SAMPLES @ 12,526'. TRIP FOR HOLE IN DP. LAYED 2 JTS
 W/HOLES. 1 JT W/HOLE 2' FROM BOX END. 1 JT W/HOLE IN MIDDLE OF JT.

REPORT DATE : 8/12/97 MD: 12,682 TVD : DSS : 29 DOL : 30 FTG: 78 MW: 8.6 VISC: 28
 DAILY : DC : \$7,905 CC : \$0 TC : \$7,905 CUM : DC : \$386,754 CC : \$0 TC : \$386,754
 DAILY DETAILS : PRESENT OPT: DRILLING AT 12,682'.
 DRILLED 78' IN 5 3/4 HOURS. 1ST TRIP - LD 4 JTS W/HOLE IN DP. LAYED DOWN BHA. 2ND TRIP,
 TOH - 76 STD'S.

REPORT DATE : 8/13/97 MD: 12,799 TVD : DSS : 30 DOL : 31 FTG: 117 MW: 8.6 VISC: 28
 DAILY : DC : \$8,165 CC : \$0 TC : \$8,165 CUM : DC : \$394,919 CC : \$0 TC : \$394,919
 DAILY DETAILS : PRESENT OPT: 12,799 - RU RPB TO LOG.
 DRILLED 117' IN 6 1/2 HOURS. REACHED TD @ 12:30PM 8-12-97. TRIP FOR HOLE, 54 STD'S & CUT
 DRLG LINE. SURVEY AT 12,799'=2DEG.

REPORT DATE : 8/14/97 MD: 12,799 TVD : DSS : 31 DOL : 32 FTG: MW: 8.5 VISC: 28
 DAILY : DC : \$24,487 CC : \$0 TC : \$24,487 CUM : DC : \$419,406 CC : \$0 TC : \$419,406
 DAILY DETAILS : PRESENT OPT: 12,799' - WO BRINE WATER.
 TOH, SLM - 12,803'. LOGGING. TIH W/DRILL COLLARS. CUT DRLG LINE. W/O LD MACHINE. LD
 DRILL COLLARS. TIH OPEN ENDED. LOGGERS TD 12,798'.

REPORT DATE : 8/15/97 MD: 12,799 TVD : DSS : 32 DOL : 33 FTG: MW: 10.0 VISC: 33
 DAILY : DC : \$13,580 CC : \$0 TC : \$13,580 CUM : DC : \$432,986 CC : \$0 TC : \$432,986
 DAILY DETAILS : PRESENT OPT: 12,799' WOC - NIPPLE DOWN BOP'S.
 CIRCULATE, DISPLACE STEEL PITS W/BRINE. SET PLUG #1 @ 12,200'. LD DP. PLUG #2 @ 10,480'.
 LDDP. SET PLUG #3 @ 7800'. LDDP. PULL 11 STD'S. MIX MUD TO SURFACE & WOC. WO BLM,
 DID NOT SHOW. TAG PLUG @ 5180'. TIH 10 STD'S & LD 9 STD'S. CEMENT W/200 SX, DID NOT
 CIRCULATE.

WELL CHRONOLOGY REPORT

WELL NAME : PATTON FEDERAL 19 #1**WELL ID# : 924852001****OPERATOR : P&P DEV., L.P.****DIVISION : PERMIAN****FIELD : WILDCAT****LOCATION : 1980' FSL & 1980' FWL, SEC. 19K, T26S, R34E****COUNTY & STATE : LEA****NM****CONTRACTOR :****FORMATION : BONE SPRING****PLAN DEPTH : 12,500****NWI WI% : 50.000****AFE# : 317045****API# : 30-025-33973****SPUD DATE : 7/14/97****DHC : \$494,100****CWC : \$513,512****AFE TOTAL : \$1,007,612****REPORT DATE : 8/16/97****MD : 12,799****TVD :****DSS : 33****DOL : 34****FTG:****MW:****VISC:****DAILY : DC : \$19,234****CC : \$0****TC : \$19,234****CUM : DC : \$452,220****CC : \$0****TC : \$452,220****DAILY DETAILS : PRESENT OPT: 12,799' - WELL PLUGGED & RIG RELEASED.**

WOC. ND LAY DOWN MACHINE & BOP'S. CEMENT @ 148 FT W/30 SX (BETWEEN 8 5/8" & 11 3/4"),
 SURFACE PLUG W/10 SX. WELD PLATE OVER CSG & INSTALL DRY HOLE MARKER. ND & CLEAN
 PITS. RELEASED RIG @ 6:00PM 8-15-97.

FINAL REPORT