

Submit 3 Copies To Appropriate District  
Office  
District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Ave., Artesia, NM 88210  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM  
87505

State of New Mexico  
Energy, Minerals and Natural Resources

Form C-103  
May 27, 2004

OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

WELL API NO. 30-025-38418
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. 36230
7. Lease Name or Unit Agreement Name PADDY 19 STATE
8. Well Number 2
9. OGRID Number 141928
10. Pool name or Wildcat MALJAMAR; PADDOCK, EAST

11. Elevation (Show whether DR, RKB, RT, GR, etc.) 4119' GR
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Pit or Below-grade Tank Application <input type="checkbox"/> or Closure <input type="checkbox"/>
Pit type _____ Depth to Groundwater _____ Distance from nearest fresh water well _____ Distance from nearest surface water _____
Pit Liner Thickness: _____ mil Below-Grade Tank: Volume _____ bbls; Construction Material _____

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐

2. Name of Operator  
PATTERSON PETROLEUM LLC

3. Address of Operator  
P.O. DRAWER 1416  
SNYDER, TX 79550

4. Well Location  
Unit Letter D 694 feet from the NORTH line and 892 feet from the WEST line  
Section 19 Township 17S Range 33E NMPM County LEA

11. Elevation (Show whether DR, RKB, RT, GR, etc.)  
4119' GR

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐  
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐  
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐

OTHER: ☐

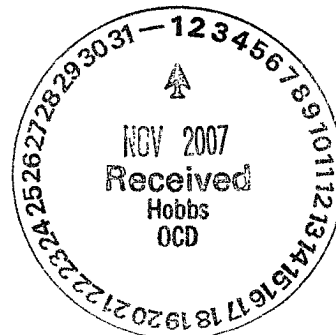
SUBSEQUENT REPORT OF:

REMEDIAL WORK ☒ ALTERING CASING ☐  
COMMENCE DRILLING OPNS. ☐ P AND A ☐  
CASING/CEMENT JOB ☐

OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

SEE ATTACHED COMPLETION REPORT.



I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOC guidelines ☐, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE Nolan von Roeder TITLE Engineer DATE 10/30/07

Type or print name Nolan von Roeder

E-mail address: vonroedern@patenergy.com

Telephone No. 325/573-1938

For State Use Only

APPROVED BY: Larry W. Wink TITLE OC FIELD REPRESENTATIVE II/STAFF MANAGER DATE DEC 04 2007

Conditions of Approval (if any):

PATTERSON PETROLEUM LLC  
P.O. DRAWER 1416  
SNYDER, TX 79550  
325/573-1938

**PADDY 19 STATE NO. 2**  
Sec. 19, T-17-S, R-33-E  
Lea County, New Mexico  
Property Code #36230 – API #30-025-38418

**DAILY COMPLETION REPORT**

- 09/20/07 MIRUPU. NUBOP. Unloaded & racked 6200' of 2-3/8" tubing. Picked up tubing and ran in the hole to PBTD @6140'. Laid down 3 jts tubing & SWIFN.
- 09/21/07 Pulled out of the hole and stood back 186 jts of tubing. Rigged up wire line truck. Ran GR/CBL/CCL from PBTD (6092' logger's PBTD) to top of cement @3200'. RIH with 3-3/8" casing gun & perforated lower Paddock (5983' - 5985), (5989' - 5991'), (6004' - 6014') & (6024' - 6028') 3 spf 120 deg. phasing. Ran in the hole with tubing and packer to 6038'. Rigged up acid pump truck. Spotted 100 gal. acid across perfs. Moved packer up to 5912' and set. Pressured casing and packer to 500 psi and held. Treated with 1500 gal. 20% NEFE HCL & 80 ball sealers. Formation broke @2850 psi. Increased rate to 2 bpm @3900 psi, did not see any ball action. ISIP- 3615 psi, 5 min - 2944 psi, 10 min - 2625 psi, 15 min - 2390 psi. Rigged down acid pump. Load from acid job 60 bbls. Swabbed to test tank. Recovered 76 bbls fluid. Oil cut on last 3 runs was 5 %, fluid level @5200'. SWIFN.
- 09/21/07 SITP-50 psi. Fluid level @2500', had 60 % oil on the first run. Swabbed 50 bbls to test tank, had 5 % oil cut. Tubing swabbed dry after 3 hours. Rigged up slick wire line truck. Ran in the hole with gauges, set off in seat nipple. Shut well in for 72 hr. build up.
- 09/25/07 Rigged up wireline truck. Pulled gauges after 72 hour buildup. Shut pressure at the surface at 55 psi. Ran in with swab. Fluid level @3500' from the surface. Oil cut on first run @10%. Made a total of 3 runs. Fluid level on last run @5200', oil cut 5%. Pulled out of the hole with tubing & packer. SWIFN.
- 09/26/07 Rigged up wireline truck. Ran in the hole with CIBP & set @5950'. Rigged up pump truck. Pressure tested plug good to 2000 psi. Ran in the hole with 3-3/8" perforating gun. Perforated upper Paddock (5866' to 5890') 3 spf, 120° phasing. Ran in the hole with dump bailer & put 20' of cement on top of CIBP. Ran in the hole with packer to 5895'. Spotted 100 gals of acid across perfs. Treated well with remaining 2500 gals 20% NeFe HCL w/100 1.3 ball sealers. Formation broke @2750 psi. Average 3200 psi @4.1 bpm. ISIP = 2020 psi. Tubing on vacuum after 5 minutes. Rigged down acid pump. Began swabbing acid load back. Load 110 bbls. Swabbed 100 bbls fluid in 4 hours, oil cut 50% & fluid level @4900' from the surface on last 8 runs. SWIFN.

PATTERSON PETROLEUM LLC  
P.O. DRAWER 1416  
SNYDER, TX 79550  
325/573-1938

**PADDY 19 STATE NO. 2**  
Sec. 19, T-17-S, R-33-E  
Lea County, New Mexico  
Property Code #36230 – API #30-025-38418

**DAILY COMPLETION REPORT**

- 09/27/07 SITP = 330 psi. Opened up to the test tank. Flowed back 10 bbls of oil to the tank. Fluid level @2500' from the surface with 60% oil cut on the 1<sup>st</sup> run. Continued swabbing. Recovered a total of 50 bbls to the tank in 3 hours. Fluid level 4100' from the surface, oil cut 70%. Rigged up slick wireline truck. Ran gauges for 72 hour build up. Shut well in.
- 09/30/07 Rigged up wireline truck & pulled gauges. Left well shut in.
- 10/01/07 SITP = 400 psi. Opened to test tank, flowed 25 bbls oil. Rigged up swab. Fluid level @2800' on 1st run. Swabbed 10 bbls oil. Rigged up pump truck & loaded tubing with fresh water. Unset packer. Circulated with 35 bbls of water. Pulled out of the hole with tubing & packer. Ran in the hole with production assembly. Set TAC with 12 points tension. NDBOP. Flanged up wellhead. Ran in the hole with new pump & rods. Rigged down. Waiting on pumping unit.

**TUBING DETAIL**

177 – jts 2-3/8" 4.70# J55 tubing  
1 – 2-3/8" x 5-1/2" TAC  
2 – jts 2-3/8" 4.70# J55 tubing  
1 – 2-3/8" seat nipple  
1 – 2-3/8" x 4' perf sub  
1 – jt 2-3/8" mud anchor  
1 – 2-3/8" bull plug

**ROD DETAIL**

1 – 7/8" pony sub  
77 – 7/8" steel rods (D-67)  
144 – 3/4" steel rods (D-67)  
9 – 7/8" steel rods (D-67)  
1 – No-tap tool  
1 – Back off tool  
1 – 2-3/8" x 1-1/2" x 20' pump  
1 – 1" x 20' gas anchor

OPERATOR  
WELL/LEASE  
COUNTY

PATTERSON PETROLEUM LP  
PADDY 19 #2  
LEA

054-0091

D-19-175-33e  
694/N & 892/W  
30-025-38418

STATE OF NEW MEXICO  
DEVIATION REPORT

271	0.75
397	0.75
897	0.50
1,385	1.00
1,827	0.75
2,327	0.75
2,800	1.00
3,321	1.00
3,507	1.00
4,102	1.00
4,430	1.00
4,808	0.75
5,316	1.00
5,824	0.75
6,143	0.25



BY:

Steve Moore

STATE OF TEXAS

COUNTY OF MIDLAND

The foregoing instrument was acknowledged before me on  
Moore on behalf of Patterson-UTJ Drilling Company LLC.

September 12, 2007, by Steve

Joni D. Hodges  
Notary Public for Midland County, Texas  
My Commission Expires: 4/11/11

