

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

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

Form C-103
May 27, 2004

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.)		WELL API NO. 30-025-37291
1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>		5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
2. Name of Operator PATTERSON PETROLEUM LP		6. State Oil & Gas Lease No.
3. Address of Operator P.O. DRAWER 1416 SNYDER, TX 79550		7. Lease Name or Unit Agreement Name NATHANIEL 29 STATE
4. Well Location Unit Letter M : 660 feet from the SOUTH line and 990 feet from the WEST line Section 29 Township 17-S Range 34-E NMPM County LEA		8. Well Number 1
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 4085' GR		9. OGRID Number 141928
Pit or Below-grade Tank Application <input type="checkbox"/> or Closure <input type="checkbox"/>		10. Pool name or Wildcat EAST CORBIN; WOLFCAMP
Pit type Synthetic Depth to Groundwater 135' Distance from nearest fresh water well 4000' Distance from nearest surface water None		
Pit Liner Thickness: 12 mil Below-Grade Tank: Volume 15000 bbls; Construction Material Synthetic		

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 ☐

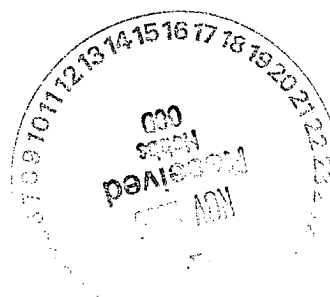
OTHER: Plug back & completion ☒

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 DAILY COMPLETION REPORTS.

~~TURNED OPERATIONS OVER TO CONOCO PHILLIPS ON 11/18/05.~~

Per Judy



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 NMOCD guidelines ☒, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE Nolan Von Roeder TITLE ENGINEER DATE 11/28/05

Type or print name NOLAN VON ROEDER E-mail address: vonroedern@patenergy.com Telephone No. 325/573-1938
For State Use Only

APPROVED BY: [Signature] TITLE PETROLEUM ENGINEER DATE DEC 02 2005
Conditions of Approval (if any):

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

NATHANIEL 29 STATE NO. 1
Sec. 29, T-17-S, R-34-E
Lea County, New Mexico
Property Code #34851 – API #30-025-37291

DAILY COMPLETION REPORT

- 10/24/05 MIRUPU. NU BOP. Set catwalk & pipe racks. Unloaded 360 jts of 2-7/8" L80 tubing. Rigged up wireline truck & ran GR/CBL/CCL from PBTD @11,278' to top of cement @8400'.
- 10/25/05 Ran in the hole with 3-3/8" perforating gun. Perforated 11,043– 52', 11,061-64', 11,072-74' & 11,082-92' (4 spf). Rigged down wireline truck. Ran in the hole with 5-1/2" x 2-7/8" packer & new 2-7/8" L80 tubing to 11,113' & shut well in for night.
- 10/26/05 Tubing & casing is on slight vacuum. Rigged up Petroplex acid pump truck & spotted 200 gals of 12% NeFe HCL across perfs. Moved packer up to 10,803.12' & set with 20 points compression. NDBOP. Flanged up 5000 psi wellhead. Tested packer & casing, good to 1000 psi. Held pressure on backside. Treated with remaining 4000 gals of acid & 150 ball sealers. Average pressure 4422# @3 BPM. Did not see any ball action. ISIP – 3882#, 5 min – 3090#, 10 min – 2825# & 15 min – 2625#. Hooked up flowline to flowback tank. Opened well up with 2100 psi on tubing. Bled pressure down through 2" valve in 15 minutes. Well continued to flow to tank with full open 2" valve & no tubing pressure. Recovered 170 bbls of fluid in 4 hours. Flowed ±15 bbls of oil. Load from acid job was 161 bbls. Had slight gas flow at 4:30 p.m. Shut tubing in for night.

TUBING DETAIL

350 – jts 2-7/8" L80 tubing
1 – 2-7/8" seat nipple
1 – 2-7/8" x 2-3/8" XO
1 – 2-3/8" compression unloader sub
1 – 5-1/2" x 2-3/8" AS-1X 10K packer
Bottom of packer @10,810.52'

- 10/27/05 SITP – 650 psi. Flowed gas off to flowback tank in 3 minutes. Flowed a total of 10 bbls free oil. Tubing bled down to a slight gas blow. Rigged up swab. Fluid level @2100' from the surface on 1st run. Fluid level remained @±3000' from the surface most of the day. Dropped from 3000' to 4000' on the last 3 runs of the day. Swabbed a total of 121 bbls fluid in 8 hours with a 25% oil cut & 75% salt water. Average rate 15 bbls per hour. Shut well in for night.

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DAILY COMPLETION REPORT

- 10/28/05 SITP – 400 psi. Bled down to flowback tank. Fluid @5100' from the surface on the first run. Pulled 1300' free oil and 200' 60% oil & 40% salt water. 2nd run – fluid @5500', pulled 200' of oil & 1000' water. Continued swabbing. Fluid level remained @±5600' from the surface & oil cut 25%. Recovered a total of 115 bbls of fluid in 6 hours. Average rate 19 bbls per hour. Found damaged sandline @6000'. Shut down for repair.
- 10/29/05 Well had 370# on tubing. Flowed back to test tank. Started swabbing. Tagged fluid @5100'. 1st run – 90% oil. Caught sample after 5 runs, showed about 25% oil cut. Made 11 runs & swabbed back a total of 60 bbls. Fluid level showed to be @±5400'. Shut down @1:00 p.m.
- 10/31/05 SITP – 300 psi. Fluid level @5100' from the surface on the 1st run. Pulled 1500' of free oil. 2nd run fluid level @6000'. Pulled 1500', had 100% oil on the front of the run & 50% on the tail. Continued swabbing. Fluid level remained @±6000' from the surface. Recovered 164 bbls of fluid in 8½ hrs, 25% oil cut. Tubing continues to blow gas after pulling swab. Swabbed at rate of 19 bbls per hour. Shut well in for night.
- 11/01/05 SITP – 430 psi. Ran in the hole with swab. Fluid level @6700' from the surface, 100% oil on the front of the run & small amount of water on the tail. NDWH. NUBOP. Released packer & tripped out of the hole. Rigged up wireline truck & ran in the hole with 3-3/8" casing gun. Perforated (10,493-96'), (10,504-11') & (10,542-48') 4 spf. Rigged down wireline truck. Picked up 5½" retrievable plug & set @10,807'. Released plug & moved packer up to 10,745'. Shut well in for night.
- 11/02/05 0 pressure on tubing & casing. Set packer @10,745'. Pressure tested plug good to 2000 psi. Moved packer up to 10,380' & set with 20 points compression. Loaded casing with 71 bbls of fresh water. Tested packer good to 1000 psi. Began swabbing. Swabbed down to seat nipple @10,370'. Shut down for one hour. Made swab run, had ±200' of entry. Had a trace of oil & gas on the last run. Recovered a total of 62 bbls of fresh water. Tubing capacity is 60 bbls & 63 bbls to top perforations. Shut well in for night.

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DAILY COMPLETION REPORT

- 11/03/05 SITP – 150 psi. Bled gas off. Ran in hole with swab & had fluid @8100' from the surface. Had ±200' of oil on first run. Made 2nd run from seat nipple. Rigged up Halliburton acid pump truck. Pressured up on casing to 1000 psi & held. Rigged up on tubing & tested lines to 6000 psi. Treated well with 2000 gals 15% Ferchek HCL & 75 bio-balls. Started out on acid. Loaded tubing with 50 bbls. Formation broke @5500 psi. Average treating pressure 4900 psi @2.5 bpm. Did not see any ball action. ISIP – 4500 psi, 5 min – 3846', 10 min – 3319' & 15 min – 2886 psi. Rigged down Halliburton. Bled tubing down to flowback tank in 3 minutes. Began swabbing. Recovered 127 bbls of fluid in 6½ hours. Load from acid job was 110 bbls. On last run fluid level @7200' from the surface, oil cut 40% with good gas blow following run. Shut well in for night.
- 11/04/05 SITP – 350 psi. Fluid level @5500' from the surface. Pulled 1400' of free oil. 2nd run fluid @3900'. Pulled 1000', 100% oil & 30% oil on the tail of the run. Continued swabbing until 3:00 p.m., pulled from seat nipple. Shut down for 1 hour to check fluid entry. Ran back in @4:00 p.m., had 300' of entry. Waited until 6:00 p.m., had 700' of fluid entry with 80% oil. Averaged 35% oil cut all day. Recovered a total of 82 bbls. Shut well in for night.
- 11/05/05 SITP – 300 psi. Fluid level @4000' from the surface on the first run. Had 2400' of free oil. Continued swabbing. Swabbed down to seat nipple by 1:00 p.m. Recovered a total of 56 bbls of fluid. Averaged 35% oil cut. Shut well in until Monday morning.
- 11/07/05 SITP – 550 psi. Opened up to flowback tank. Flowed for 1 hour, recovered 17 bbls of oil. At 9:00 a.m. began swabbing. Had scattered fluid from near surface to 5000' from surface. Recovered 1100' of free oil & a small amount of water on the first run. On 2nd run had scattered fluid pulled from 5200'. Recovered 500' of fluid, 10% oil & 90% water. Continued swabbing. Averaged 9.5 bbls per hour with 50% oil cut. Recovered a total of 94 bbls. Shut well in for night.

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DAILY COMPLETION REPORT

11/08/05 350 psi on tubing. Fluid level @3900' on 1st swab run. Recovered 3000' of 100% oil on 2 runs. Rigged up pump truck & loaded tubing with 79 bbls of fresh water. Unset packer & tripped out of the hole. Rigged up wireline truck & ran in the hole with 3-3/8" perforating gun. Perforated (10,522-42') 4 spf. Rigged down wireline truck. Ran back in the hole with packer & set @10,380' with 20 points compression. Loaded casing with 37 bbls of fresh water to 1000 psi & held. Shut well in for night.

TUBING DETAIL

336 – jts 2-7/8" L80 tubing	10,352.34'
1 – 2-7/8" seat nipple	1.10'
1 – 2-7/8" x 2-3/8" X-over	.42'
1 – 5-1/2" x 2-3/8" TST III packer	7.10'
1 – 2-3/8" on/off overshot	1.50'
KB	<u>19.00'</u>
	10,381.46'

11/09/05 Tubing on slight vacuum. Began swabbing with fluid level @3900' from the surface. Swabbed 83 bbls water to flow back tank. Rigged up Halliburton & treated well as follows: 4000 gals 15% ZDA acid, 1000 gals 15% Ferchek acid, 1000 gals 2% KCL water w/30 bio-balls, 500 gals gelled brine water w/500# salt, 4000 gals 15% ZCA acid w/40 bio-balls, 1000 gals 15% Ferchek acid, 2684 gals 2% KCL water flush, 1000 gals 2% KCL water overflush. Total load 339 bbls. Average rate - 6.9 bpm, average pressure - 5175 psi. ISIP – 4510 psi, 5 min – 3754 psi, 10 min – 3248 psi & 15 min – 2932 psi. Had good ball action, 205# block action. Rigged down Halliburton. Opened well up to flowback tank. Flowed back 27 bbls of water & began swabbing. Fluid level @2000' from the surface on last run. Recovered 97 bbls of water. Shut well in for night.

11/10/05 SITP – 325 psi. Fluid level 2700' from the surface. Recovering acid water with a trace of oil. Swabbed back 213 bbls of load, oil cut 10%. Swabbed back 282 bbls of fluid with 30% oil cut at the end of the day. Recovered 282 bbls of 339 bbl load. Fluid level @4000' from the surface on the last run of the day. Shut well in for night.

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DAILY COMPLETION REPORT

- 11/11/05 SITP – 360 psi. Fluid level @2700' from the surface, 1500' of free oil on first run. Swabbed total of 125 bbl of fluid, 30% oil cut, fluid level @±3500'. Average rate - 16 bph. Shut well in for night.
- 11/12/05 Pressure was 460 psi. Opened well up to bled pressure off & start swabbing. Well flowed 10 bbls of oil back. Found fluid level @3000' on first run with 100' free oil. Made 9 runs & recovered 108 bbls. Fluid level remained @3300'. Had an average of 35% oil cut. Shut down @2:00 p.m.
- 11/14/05 650 psi on tubing. Opened tubing up to flowback tank. Flowed 23 bbls of oil. Ran in with swab, had fluid @3000'. Pulled 1500' of oil with a small amount of water on the tail. Picked up 14 joints of tubing from the ground. Rigged up pump truck & pumped 15 bbls of fresh water. Washed salt or trash off top of plug. Latched onto plug & released. Moved plug up to 10,380', set plug & tested good to 2000 psi. Pulled out of the hole with packer & tubing. Rigged up wireline truck & ran in the hole with 3-3/8" perforating gun. Perforated from (10,308' to 10,316'), 4 spf. Started back in the hole with packer. Ran 20 stands & shut well in for night.
- 11/15/05 Shut down due to high wind.
- 11/16/05 No pressure on tubing. Ran in the hole with packer to 10,318'. Rigged up Halliburton & broke circulation with 7 bbls of fresh water. Spotted 150 gals of acid across perfs. Moved packer up to 10,131' & set with 20 points compression. Tested packer to 1000 psi. Held 1000 psi on casing for acid job. Treated with 1850 gals 15% Ferchek acid & 50 bio-ball sealers. Broke formation down @5100 psi. Pumped 62 bbls of water into formation @rate of 2.5 bpm, 7180 psi. Broke back to 4100 psi with acid on formation. Had good ball action, 4100 to 4400 psi. Average rate 3.7 bpm @4200 psi. ISIP – 3774 psi down to 3610 psi in 15 minutes. Opened up to flowback tank. Flowed down in 30 minutes, recovered 29 bbls of water. Began swabbing. Fluid level @5200' from the surface on the last run. Recovered a total of 75 bbls of water. Had acid water & acid gas on the last run. Shut well in for night. Load is 174 bbls.
- 11/17/05 SITP – 80 psi. Fluid level @3000' from the surface on the first run. Pulled 1200' of acid water with a slight trace of oil. Continued swabbing. Fluid level dropped to 7200' & began swabbing oil. Recovered a total of 79 bbls of fluid in 7 hours. Had scattered fluid from 8600' to seat nipple @10,130', 80% oil cut with good amount of gas. Shut well in for night.

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DAILY COMPLETION REPORT

11/18/05 SITP – 320 psi. Bled gas off to tank. Ran in with swab, fluid level @4100' from the surface. Pulled 1000' of 100% oil. Rigged up pump truck & loaded tubing with 60 bbls of fresh water. Pulled packer loose & picked up 8 jts of tubing. Latched onto plug & released. Pulled out of the hole with tubing & tools. Laid down tools. Ran back in the hole with 10 stands of tubing & shut well in for night. Turned well over to ConocoPhillips personnel.

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NATHANIEL 29 STATE NO. 1
Patterson – UTI Drilling Co. Rig #624
Sec. 29, T-17-S, R-34-E
Lea County, New Mexico
Property Code #34851 – API #30-025-37291

DAILY DRILLING REPORT

09/22/05 DAY 58

DEPTH: 13,630'.

PRESENT OPERATION: Laying down drill pipe

OPERATIONS BREAKDOWN: 10 hrs circulating, ½ hr trip, 1 hr break down kelly, ½ hr rig up lay down machine, 12 hrs laying down drill pipe.

EDC \$ 18,736

CUM \$ 1,662,996

09/23/05 DAY 59

DEPTH: 13,630'.

PRESENT OPERATION: Rig down

OPERATIONS BREAKDOWN: ½ hr rig down, 8 hrs run casing, cement & cement, 3 hrs waiting on cement, 2 hrs set slips & cut off casing, 3 hrs remove BOP's & nipple up tree, 5 hrs jet pits, 2½ hrs cement casing. REMARKS: Ran 253 jts of 5½" casing w/25 centralizers & 22 turbolizers. Cemented w/400 sx HLH + 5% salt + 3/10% HR-7 retarder & 300 sx HSH w/.5% lap1 + .4% dispersant + .25% anti foamer + .25% retarder. Plug down @7:00 p.m. Rig released @4:30 a.m. 09/23/05.

EDC \$ 298,100

CUM \$ 1,961,096

CASING DETAIL

252 – jts 5½" 17# P110 LTC casing	11,351.98'
1 – 5½" float collar	.91'
1 – jt 5½" 17# P110 LTC casing	44.48'
1 – 5½" TP guide shoe	1.27'
	<hr/> 11,398.64'
Less casing above KB	4.45'
KB setting depth	<hr/> 11,394.19'

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Lea County, New Mexico
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DAILY DRILLING REPORT

09/19/05 DAY 55

DEPTH: 13,630'. FORMATION: 10% shale & 90% limestone
PRESENT OPERATION: Trip in hole to circulate – waiting on casing
Bit #12RR – 8-3/4" EBX545 Ser #10759856 in @13,630'. RPM - 35. MUD:
WT – 10.5, VIS – 42, PV – 11, YP – 14, Gels – 2/3, WL – 12, SD – 5.8, PH – 10,
Chlorides – 165,000. DEVIATIONS: None. BHA: Bit, bit sub, 28 DCs = 837.58'.
OPERATIONS BREAKDOWN: 1 hr install rotating head, 7-3/4 hrs trip & cut drilling
line, 15¼ hrs logging & rig down. Logger's TD @13,635'.

EDC \$ 79,736
CUM \$ 1,592,052

09/20/05 DAY 56

DEPTH: 13,630'.
PRESENT OPERATION: Trip in hole to set 100' plug in the Morrow
OPERATIONS BREAKDOWN: 13½ hrs circulating, 1 hr put 28 jts on rack & strap, 9
hrs trip, ½ hr rig service. Mixed 3 CLTD120, 12 C202, 5 CL9390.

EDC \$ 21,096
CUM \$ 1,613,148

09/21/05 DAY 57

DEPTH: 13,630'.
PRESENT OPERATION: Circulating – waiting on casing
OPERATIONS BREAKDOWN: 14½ hrs circulating, 7 hrs trip, ½ hr cement, 2 hrs pick
up drill pipe. Mixed 3 CLTD120, 16 C202, 5 CL9390, 15 HIB. Spotted 60 sacks class
"H" cement @13,600' for a 100' plug. Pulled up to 11,400' to circulate.

EDC \$ 31,112
CUM \$ 1,644,260