

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. 30-025-37381
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. 301673
7. Lease Name or Unit Agreement Name NORTH TWINBERRY 5 STATE
8. Well Number 1
9. OGRID Number 141928
10. Pool name or Wildcat VACUUM; MORROW (GAS)

Pit or Below-grade Tank Application ☐ or Closure ☐

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 LP

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

4. Well Location
Unit Letter P : 720 feet from the SOUTH line and 1100 feet from the EAST line
Section 5 Township 18S Range 34E NMPM County LEA

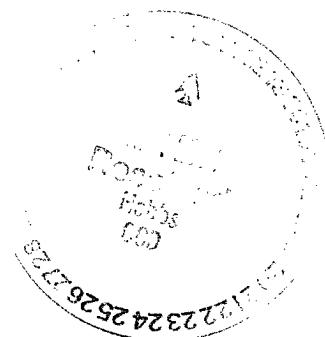
11. Elevation (Show whether DR, RKB, RT, GR, etc.)
4059' GR

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS <input type="checkbox"/>	P AND A <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPL <input type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>	
OTHER: <input type="checkbox"/>		OTHER: <input type="checkbox"/>	

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 & production reports.



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 03/09/06

Type or print name NOLAN VON ROEDER E-mail address: _____
For State Use Only

Telephone No. 325/573-1938

APPROVED BY: [Signature] TITLE PETROLEUM ENGINEER DATE MAR 20 2006
Conditions of Approval (if any): _____

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

NORTH TWINBERRY 5 STATE NO. 1

Sec. P-5, Blk T-18-S, R-34-E
Lea County, New Mexico
Property Code #301673 – API #30-025-37381

DAILY COMPLETION REPORT

- 01/13/06 Nipple up 10K frac valve. Pressure tested good to 9000 psi.
- 01/16/06 Rigged up Gray Wireline & ran cement bond log from PBTD @13,684' to top of cement @8400'. Perforated 13,650' to 13,665', 3 SPF 120° phasing. Had 800 psi on casing from line displacement before perforating, dropped to 600 psi after shooting. Pulled out & rigged down wireline truck. Rigged up BJ 1-3/4" coil tubing unit. Ran in the hole to 13,670' & spotted 100 bbls of 6% KCL water & 2000 gallons of 7% Claysafe "H" acid at perforations. Started out of the hole with coil tubing, coil tubing unit broke down with end of tubing @8900'. Waiting on repair.
- 01/17/06 BJ repaired the coil tubing unit & pulled out of the hole. Well remained dead. Rigged up BJ acid pump & loaded hole with 7 bbls of 6% KCL water. Formation broke @5420 psi. Average treating pressure was 5736 psi @3.1 bpm. ISIP – 5743 psi, 5 min – 3560 psi, 10 min – 2650 psi & 15 min – 2132 psi. Continued to monitor shut in pressure for total of 90 minutes. Final pressure in 90 minutes was 796 psi. Rigged down acid pump. Rigged up coil tubing. Bled well down to pit & began blowing hole with nitrogen. Blew dry with end of coil @13,000'. Shut down nitrogen pump & watched well blow dry nitrogen down to the pit. We'll watch for 2 hours & checked for fluid entry.
- 01/18/06 7:00 a.m. – 450 psi casing pressure. Flowing gas with condensate through a full open 2" manifold. Pulled out of the hole & shut well in. Rigged down BJ coil tubing unit.
11:00 a.m. – casing pressure built to 2400 psi. Turned into test separator. Flowing at rate of 500 mdf/day with 2300 psi on casing.
4:00 p.m. – 2300 psi casing pressure, rate 500 mcf/day. Began flowing condensate to flare. Shut well in to make repairs on separator.
8:00 p.m. – 2800 psi casing pressure. Turned back through test separator. Set choke @12/64". Pressure 2600 psi, rate 1100 mcf/day. Making condensate.
- 01/19/06 5:00 a.m. – 5:00 p.m. 1650 casing pressure, rate 625 mcf/day. Made 40 bbls of condensate in 9 hours. Will continue flowing on 12/64" choke. Burner was not working on test separator causing choke to ice up. Rate 500 – 550 mcf/day, pressure 2150 psi. Made 18 bbls of condensate in 12 hours.
5:00 p.m. – 5:00 a.m. Repaired burner on separator. Choke set on 12/64" Rate 1040 mcf/day. Pressure 1500 psi. Made 44 bbls of condensate in 12 hours. Will continue flowing until afternoon & then run gauges for build up.

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DAILY COMPLETION REPORT

- 01/24/06 Pulled out of the hole with gauges making gradient stops. Bottom hole pressure was 5687 psi (still building). Surface pressure was 3022 psi.
- 01/25/06 Moved in Halliburton frac equipment. Began testing Delta 200-R(16), did not get cross link to react properly for first stage. Halliburton determined that chemical was old, will get more chemical sent out in the morning & start over.
- 01/26/06 Halliburton tested chemicals in Odessa & Hobbs overnight. Hybor system worked using CL22, yielded a stable fluid for job. Halliburton arrived on location & field tested the fluid system. Primed up & began frac job. Loaded casing with WF-25 fluid (308 bbls). Frac well as follows:
- Pumped 308 Hybar pad @17.6 bpm @8391 psi.
 - Pumped 75 bbls 1#/gal 30/50 prop (3134# total) @16.8 bpm @8441 psi.
 - Pumped 85 bbls 2#/gal 30/50 prop (7019# total) @17.5 bpm @8348 psi.
 - Pumped 103.2 bbls 3#/gal 30/50 prop (12,501# total) @20 bpm @8088 psi.
 - Pumped 112 bbls 4#/gal 30/50 prop (17,837# total) @21.6 bpm @7788 psi.
 - Pumped 113 bbls 5#/gal 30/50 prop (23,933# total) @25.4 bpm @7735 psi.
- With 4#/gal going in formation pressure began to increase, cut sand & started flush. Pumped 32 bbls of flush & screened out @8592 psi. ISIP – 8232 psi. Rigged down casing saver. Nipped up tree & began flowing back with 5000 psi on casing. Bled off quickly – rate $\pm \frac{1}{2}$ bpm. Waited on coil tubing unit. Rigged up coiled tubing & began washing down with foam. Got in sand @11,400'. Will continue washing out sand.
- 01/27/06 Loaded hole with 320 bbls of 5% KCL water. Rigged down coil tubing unit. Rigged up wireline truck & made gauge ring (4.50") to 13,600', didn't see anything. Ran in the hole with 5½" composite Halliburton flow through frac plug. Stacked out @13,530', couldn't pull up. Set plug @13,530'. Pulled out of the hole with setting tool after working loose. Rigged up pump truck on casing. Pressured up on casing to 8500 psi, plug leaking. Shut well in for night.

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DAILY COMPLETION REPORT

01/28/06 Ran in the hole with gauge ring to 13,500', didn't see anything. Ran in the hole with 5½" composite 10K flow through plug & set @13,462'. Ran in with 3-3/8" casing gun & perforated (13,337-42'), (13,346-50') & (13,354-59') 3 spf 120° phasing. Pulled out of the hole with wireline. Gained 700 psi on casing. Rigged up coil tubing & ran in the hole to 13,360'. Spotted 2500 gallons of Clay Safe "H" Acid from 13,360' to 10,800'. Pulled out of the hole with coil tubing & loaded hole with 5% KCL water. Rigged up pump truck & began breakdown. Did not see any break. Pressured up to 6300 psi & increased to 6900 psi, rate 2.5 bpm. Over flushed with 50 bbls of 5% KCL water. ISIP – 6780 psi to 6130 psi in 15 minutes. Shut well in for night.

01/29/06 Rigged up stinger casing saver. 4000 psi on well head. Rigged up Halliburton frac equipment. Frac down 5½" casing as follows:

485 bbls slickwater pad	46 bpm @8302 psi
398 bbls slickwater w/.25 lb/gal 30/50	46 bpm @8169 psi
477 bbls slickwater w/.50 lb/gal 30/50	46 bpm @8177 psi
556 bbls slickwater w/.75 lb/gal 30/50	46 bpm @8222 psi
472 bbls w/1.0 lb/gal 30/50	46 bpm @8226 psi
162 bbls w/1.5 lb/gal 30/50	46 bpm @8249 psi
162 bbls w/2.0 lb/gal 30/50	46 bpm @8249 psi
273 bbls slickwater flush	46 bpm @8363 psi

Final pressure 8605 psi @13.4 bpm. Shut down with 35 bbl short on flush.

Average rate 46 bpm @8229 psi.

Fluid recover is 3051 bbls of 5% KCL w/1.5 gpt Superflo CiafixII, .5 gpt FR262.

ISIP – 7981 psi, FG = 1.053 psi/ft, 5 min - 6949 psi, 10 min - 6863 psi, 15 min – 6814 psi.

Rigged down stinger & Halliburton. Nipple up 10K tree.

3:00 p.m. – casing pressure 7200 psi. Began flowing to flow back tank on 16/64" choke. Rate 160 bbls/hr.

5:00 p.m. – casing pressure 100 psi. Choke on 18/64". Rate 100 bph. Recovered 339 bbls of water.

6:00 p.m. – casing pressure 60 psi. Recovered 500 bbls of water. Heavy sand in water. Turned out to the reserve pit.

11:00 p.m. – casing pressure 10 psi on 36/64" choke. No sand in the fluid. Turned back into flowback tank. Recovered a total of ±1000 bbls of fluid.

01/30/06 6:00 a.m. – casing pressure 10 psi, 36/64" choke. Well is beginning to kick with a small amount of gas. Recovered ±1175 bbls of fluid. Load is 3051 bbls.

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- 01/30/06 Flowed until 12:00 noon. Rate \pm 20 bph with a small amount of gas. 36/64" choke. Casing pressure 10 psi. Recovered \pm 1260 bbls of slickwater. Shut well in & rigged up coil tubing unit. Picked up 4.75" bit & drilling motor and ran in the hole. Casing built to 400 psi in 2.5 hours. Tagged up on sand bridge @10,000'. Washed through bridge with 5% KCL water & 400 SFM nitrogen. Ran in to the top of plug @13,458'. Drilled out plug in 2 hours. Washed down to 13,530', did not have plug. Washed down to 13,657' & tagged up on plug. Drilled on plug for 5 hours, made 4' & quit drilling off. Pulled out of the hole with motor & bit.
- 01/31/06 Pulled out of the hole with motor & bit. Picked up new motor & bit. Ran back in the hole & pumped 5% KCL water @rate of 2 bpm. Began drilling @13,662'. Drilled out plug & washed bauxite to 13,730'. Circulated clean & started out of the hole with tubing. Flowed gas & water to the bit with 500 psi on casing. Well loaded up & died with bit @8900'. Started pumping nitrogen & jetted back to the bottom of the hole. Jetted back out of the hole with nitrogen. Laid down motor & bit @2:30 a.m. Will rig down coil tubing in the a.m. & continue to flow well.
- 02/01/06 Rigged down Halliburton coil tubing unit. Shut in casing pressure 3000 psi. Nipped up 10K tree. Began flowing wet gas to the pit. Turned well through test separator at 4:00 p.m. with 1000 psi on casing. Opened on 18/64" choke. Flow @rate of 1500 mcf/d. Opened up on 20/64" choke. Rate 1600 mcf/d, casing pressure 700 psi.
- 02/02/06 7:00 a.m. Casing pressure 725 psi. Made 270 bbls of fluid in 15 hours, making \pm 5% condensate. Flow rate is 1800 mcf/d. Will continue flowing well. Hooked up flowline & production unit with tank battery. Turned down sales line @8:00 p.m. Set choke on 14/64", making 1300 mcf/d w/1500 psi on casing.
- 02/07/06 Shut well in. Nipped down tree. Rigged up wireline truck & ran 4.68" gauge ring with junk basket. Cleaned to 13,300'. Picked up 10K packer w/pumpout plug in lower profile & started in the hole. Sat down @1,500', 11,800' & 12,900'. Worked down to 13,200' & set packer. Pulled out of the hole with setting tool & rigged down wireline. Began to bleed well down to the pit.
- 02/08/06 Well was dead. Nipple down frac valve. NUBOP. Picked up on/off retrieving head, new 2-3/8" N80 tubing & ran in the hole to 11,600'. Shut well in for night.

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02/09/06 Ran in the hole with tubing to top of packer @13,200'. Rigged up pump truck & circulated w/6% KCL water. Latched onto packer. Spaced out with 1- 8' x 2-3/8" sub. Released packer & nipped down BOP. Latched back onto packer & installed wrap around. Landed tree with 15 points compression on packer. Tree seal tested good to 8500 psi. Tested packer & casing good to 3000 psi. Rigged pump truck up on tubing & pumped out (pumpout plug) with 1500 psi. Tubing went on a vacuum. Rigged up swab & made swab run to 7000'. Well kicked off flowing. Recovered 36 bbls of KCL water to flowback tank. Turned back down the sales line. Beginning flow rate 1150 mcf/d, tubing pressure @400 psi.