

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No. 1004-0137
Expires: March 31, 2007**SUNDRY NOTICES AND REPORTS ON WELLS****Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.****SUBMIT IN TRIPLICATE- Other instructions on reverse side.**1. Type of Well ☒ Oil Well ☐ Gas Well ☐ Other2. Name of Operator **PATTERSON PETROLEUM LP**3a. Address
P.O. Drawer 1416, Snyder, TX 795503b. Phone No. (include area code)
325/573-1938

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

**1650' FSL & 810 FEL
1-24-17S-32E**

5. Lease Serial No.

LC-059152b

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.

COOPER 24 FEDERAL NO. 2

9. API Well No.

30-025-38348

10. Field and Pool, or Exploratory Area

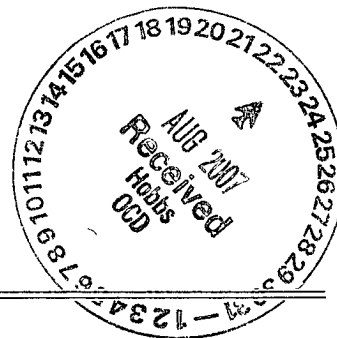
WILDCAT; CISCO

11. County or Parish, State

LEA, NEW MEXICO**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input checked="" type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input checked="" type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input checked="" type="checkbox"/> Plug Back	<input type="checkbox"/> 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 site is ready for final inspection.)

SEE ATTACHED COMPLETION REPORT**Intended Morrow gas intervals were not productive.****Completed as an oil producer in the Cisco formation.****Please change unit designation to 40 acres as shown on Form C102. Change well name to drop "Com".****Communization agreement will not be required.**14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)**Nolan von Roeder**Title **Engineer**

Signature

Date

08/22/2007**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

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.

Title

Date

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make 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 page 2)

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

COOPER 24 FEDERAL COM NO. 2

Sec. 24, T-17-S, R-32-E
Lea County, New Mexico
Property Code #36386 – API #30-025-38348

DAILY COMPLETION REPORT

- 07/12/07 MIRUPU. NUBOP. Picked up 6" bit with 6 – 4" drill collars. Tagged DV tool @6977'. Drilled out DV tool. Tested good to 2500 psi. Picked up 2-3/8" tubing & ran in the hole to PBTD @13,753'. Circulated hole with 500 bbl of 10# brine water. Shut well in for night.
- 07/13/07 Pulled out of the hole with tubing, drill collars & bit. Rigged up Gray Wireline & ran GR/CBL/CCL from 13,753' to 11,000', 7000' to 3900' & across top of cement @850'. Good bond across Morrow zones. Perforated Lower Morrow (13,594' – 13,617') w/4" casing gun 3 spf & 120° phasing. Rigged down wireline. Ran in the hole with 7" Arrowset I 10K packer, 1.78" R nipple, on-off tool & 415 jts of 2-3/8" N80 tubing. Left packer swinging @13,621'. SWIFN.
- 07/14/07 TP = slight vacuum. Rigged up Halliburton. Spotted 200 gals acid across perfs. Laid down 6 jts tubing. Set packer @13,412' w/15 pts compression. NDBOP, NU rental tree. Tested tree seal to 8000 psi. Pressured casing to 2000 psi. Breakdown formation 1 bpm & 4000 psi. Pumped an additional 2300 gals of Claysafe "H" acid w/40 ball sealers. Acid on formation @ 3 bpm & 7400 psi. Increased rate to 3.5 bpm & 8040 psi. Increased to 4 bpm @8300 psi. Flushed w/6% KCL water. Total load = 178 bbls. ISIP = 5852 psi, 5 min = 5349 psi, 10 min = 5099 psi, 15 min = 4910 psi, 30 min = 4594 psi, 90 min = 3300 psi. Opened well on adjustable choke. Bled down to 0 psi in 3 minutes. Flowing back load water through 2". Rigged up swab. IFL @surface. Made 13 swab runs. FFL = 11,000'. Acid water & acid gas. Recovered ±90 bbls of load water. SWIFN.

TUBING DETAIL

409 – jts 2-3/8" N80 4.7# tubing	13,389.35'
T-2 On-off tool	1.70'
2-3/8" x 2-7/8" crossover	0.36'
7" x 2-7/8" Arrowset-1X 10K packer	7.80'
KB adjustment	<u>13.00'</u>
Packer setting depth	13,412.21'

- 07/15/07 SITP = 250 psi. Opened well up on adjustable choke. Blew down in 5 minutes to 0 psi. Shut well back in.

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- 07/16/07 SITP = 250 psi. Blew well down in 5 minutes. Rigged up swab. IFL = 600' from surface. Made 10 swab runs & fluid level was 11,500'. Waited one hour between runs for another 3 hours. FFL = 10,000'. Had a weak gas blow & formation water. Recovered a total of 90 bbls for the day. All load water recovered. SWIFN.
- 07/17/07 SITP = 300 psi. Made 1 swab run. FL = 5000'. NDWH, NUBOP. Rigged up pump truck & loaded tubing w/25 bbls brine water. Unset packer. Reverse circulated well w/60 bbls brine water. Pulled out of the hole with tubing & packer. Rigged up Gray wireline. Ran in the hole with 7" CIBP & set @13,570'. Dump bailed 20' cement on top. Loaded hole with 25 bbls brine water & tested CIBP to 2000 psi. Perforated Upper Morrow (13,434-49') and (13,484-97') w/3-3/8" casing gun, 3 spf, 120° phasing. Rigged down wireline. Ran in the hole with 10' x 2-3/8" sub, 1.78" R profile nipple w/1.721" No-go & 200 jts of 2-3/8" tubing. SWIFN.
- 07/18/07 TP = 0 psi, CP = 0 psi. Ran in the hole w/tubing to 13,510'. Rigged up Halliburton w/ 3000 gals of ClaySafe H acid. Spot 200 gals across perfs. Laid down 8 jts 2 3/8" tubing. NDBOP. Picked up 10' x 3-1/16" blast sub and B02 tubing hanger. NU 10K rental tree. Spot remaining 2800 gals acid and 60 ball sealers to the end of tubing @ 13,260'. Closed casing valve. Treated formation at an average rate of 3.1 BPM & 8820 psi. Casing pressure got up to 6250 psi. No breaks or ball action. Displaced acid with 6% KCL water. ISIP = 6948 psi, 5 min = 6491 psi, 10 min = 6267 psi, 15 min = 6089 psi, 30 min = 5681 psi, 60 min = 5202 psi, 90 min = 4890 psi. CP = 4002 psi. Total load = 558 Bbls. Opened well to pit. Flowed back ± 40 Bbls load water in 1 hour. Rigged up swab. Made 19 swab runs in 5 hours. FFL = 4200'. Recovered a total of ±180 Bbls load water. Last sample was spent acid and brine water with some gas. LTBR = 378 Bbls. SWIFN.

TUBING DETAIL

KB Depth Correction	13.00'
1 – 10' X 3 1/16" Blast sub	9.80'
404 jts 2 3/8" 4.7# L80 tubing	13,226.79'
1.78" R profile nipple w/ 1.721" No-go	1.20'
1 – 10' X 2 3/8" L80 sub	<u>9.80'</u>
KB Setting Depth	13,260.59'

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DAILY COMPLETION REPORT

- 07/19/07 TP = 0 psi, CP = 0 psi. Rigged up swab. IFL = 4000'. Made 28 swab runs in 11 hours & recovered 215 bbls for the day. Trace of gas & brine water. FFL = 9800'. LTBR = 163 bbls. SWIFN.
- 07/20/07 SITP = 14 psi. SICP = 30 psi. Blew down tubing in 2 minutes. Rigged up swab. IFL – 7500', all brine water. Made 17 swab runs for the day. FFL – 11,600'. Getting out with 500' of fluid per run. Casing pressure came up to 42 psi, small amount of gas & no condensate. Total recovery for the day = ±130 bbls. LTBR = ±33 bbls. Shut well in for the weekend.
- 07/23/07 TP = 95 psi. CP = 126 psi. IFL = 11,200'. Made swab run, had fluid at 11,200' from the surface. Loaded hole with 450 bbls of 10# brine water. Nipple down tree. Nipple up BOP. Pulled out of the hole with tubing & shut well in.
- 07/24/07 Rigged up wireline truck. Ran in the hole with 3-3/8" casing gun GR/CCL. Got on depth. Perforated 13,484-97', 2 spf. Pulled out of the hole with casing gun. Picked up 7" x 2-7/8" 10K Arrowset packer w/2-3/8" compression unloader. Set packer @13,468'. Ran in the hole with 1-11/16" GR/CCL tools on wireline. Confirmed end of packer @13,470'. Pulled out of the hole & rigged down wireline truck. Rigged up Schlumberger frac pump. Spotted 1500 gallons of Morrow safe acid 2 bbls short of packer. NDBOP & NU 10K tree. Treated with 1500 gallons 7% Morrow Acid. Treated at rate of 1.3 bpm w/7800 psi on tubing. Casing pressure increased to 5800 psi. Formation broke @7933 psi with 20 bbls of acid on formation. Displaced remaining 15 bbls acid @rate of 3.4 bpm, 7880 psi on tubing. Casing pressure dropped back to 5200 psi. ISIP – 6400 psi, 5 min – 4890 psi, 10 min – 4550 psi & 4037 psi in 15 min. SWIFN.
- 07/25/07 @7:00 a.m. 900 psi on tubing, had weak blow on casing. Rigged up swab. Casing was swabbing down with the tubing. ND tree. NUBOP. Moved packer up to 13,374', above top set of perfs. Reset packer. Rigged up pump truck & pressure tested casing & packer good @1500 psi. Continued swabbing tubing. Recovered 80 bbls of 89 bbl load. Fluid level @11,400' from the surface with scattered fluid. Blew a small amount of gas throughout the run. SWIFN.
- 07/26/07 @7:00 a.m. 400 psi on tubing. Fluid level @5000' from the surface. Continued swabbing. Swabbed down to 11,500'. Estimated gas rate 50 mcf/day. Shut well in for the night. Checked chloride on water sample – 53,000 ccl.

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DAILY COMPLETION REPORT

- 07/27/07 Shut in tubing pressure – 425 psi. Fluid level @5600' from the surface. Loaded tubing with 22 bbls of 10#/gal brine. Released packer. Circulated gas out of tubing with 40 bbls 10#/gal brine down the casing. Moved packer down to 13,540' & reset. Pressured up on plug & casing to 3000 psi. Leaked off to 1000 psi in 5 minutes. Pressured up on casing & packer to 1500 psi & held. Will set another bridgeplug Monday morning. Shut well in for the weekend.
- 07/30/07 Released packer. Pulled out of the hole with tubing & packer. Rigged up wireline truck. Had rubber off packer in the hole. Made gauge ring/junk basket run, didn't see anything. Ran in with CIBP & set @13,540'. Dumped 15' cement on top. Picked up redressed 7" Arrowset packer. Trip back in hole testing tubing to 6000 psi, did not find any leaks. Left packer swinging & shut well in for the night.
- 07/31/07 Set packer @13,520'. Rigged up pump truck & pressured up on tubing to 4000 psi. Still had a leak, casing & tubing equalized @2200 psi. Plug is holding. Moved packer up to 13,315' & reset. Tested casing & packer good @1500 psi. Rigged up & swabbed tubing down to 12,900', making very little gas. Shut well in for night.
- 08/01/07 SITP – 45 psi. Made swab run, fluid level 11,000' from the surface. Rigged up pump truck & loaded tubing with 40 bbls of brine water. Unset packer & tripped out of the hole with tubing & packer. Shut well in for the night.
- 08/02/07 Rigged up wireline truck. Ran gauge ring & junk basket. Ran 7" CIBP & set @13,300'. Dumped 15' cement on top of plug. Rigged up pump truck & loaded casing with 33 bbls of 10#/gal brine water. Pressured up to 3000 psi & held. Perforated Cisco intervals (11,551-58'), (11,562-70') & (11,599' – 11,610') with 3-3/8" casing gun, 3 spf, 120° phasing. Rigged down wireline truck. Ran in the hole with 7" Arrowset packer & set @11,420'. NDBOP. NU tree. Tested casing & packer, good to 1000 psi. Made 6 swab runs. Started making oil & gas. Fluid level @4000' from the surface. Shut well in for the night.

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DAILY COMPLETION REPORT

08/03/07 SITP = 2500 psi. Opened up on 10/64" choke. Recovered 6 bbls oil to test tank in 1½ hrs. Pressure dropped to 400 psi. Rigged up acid pump truck. Treated with 3000 gals 15% NeFe with 75 ball sealers as follows. Loaded tubing w/13 bbls acid, tubing pressure 6100 psi, rate ½ bpm. Increased rate to 1 bpm, pressure, pressure 6380 psi. Began breaking with acid on formation. Increased rate to 2.8 bpm @4600 psi. Had ball action, increase in pressure from 4400 psi to 5580 psi & rate down to 2 psi. Began breaking down. Increased rate to 3.2 bpm & treating pressure of 3800 psi. ISIP = 2300 psi, 5 min = 2000 psi, 10 min = 1900 psi & 15 min = 1820 psi. Rigged down acid equipment. Opened well up on 24/64" choke w/1800 psi on tubing, began flowback. Load from acid job was 125 bbls. Pressure increasing on tubing. Decreased choke to 12/64", pressure @2350 psi. Recovered 50 bbls of load & began seeing 10% oil cut with acid gas. Pressure dropped to 2000 psi on 12/64" choke. Decreased choke to 10/64" with 2150 psi on tubing, recovered 80 bbls of fluid with 50% oil cut. Continued flowing on 10/64" choke until 6:00 p.m. Dropped choke size down to 7/64", flowing pressure 2150 psi. 7:00 p.m. dropped choke size down to 6/64" flowing pressure 2150 psi. Made total of 167 bbls fluid, estimated ±75 bbls acid water ±92 bbls of oil. Unable to estimate gas rate in test tank. Left well flowing overnight.

08/04/07 9:00 a.m. Flowing tubing pressure @2200 psi, choke on 6/64". Made 53 bbls oil over night (15 hrs). Opened choke up to 8/64". 10:20 a.m. – TP = 2150 psi, made 8 bbls of oil (8/64" choke). 11:40 a.m. – TP = 2000 psi, made 13 bbls of oil (8/64" choke). 4:00 p.m. TP = 1950 psi, made 36 bbls of oil in 4 hrs. Opened choke up to 8½/64". 5:00 p.m. TP = 1920 psi, made 6 bbls oil in last hour. Left flowing on 8½/64" choke. Made total of 63 bbls of oil in 8 hours.

TUBING DETAIL

KB depth correction	+ 13.00'
348 – jts 2-3/8" 4.7# L80 tubing	11,397.25'
1 – 2-3/8" seat nipple	1.10'
1 – Arrowset 7" 10K packer	7.80'
End of packer @	11,419.15'

08/05/07 6:00 a.m. Flowing tubing pressure 1500 psi on 8½/64" choke. Made 134 bbls oil in 13 hours. Will continue flowing on same choke size.

08/06/07 7:00 a.m. Flowing tubing pressure 1150 psi on 8½/64" choke. Made 195 bbls in 25 hrs.

08/07/07 TP = 950 psi. Made 144 BO

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DAILY COMPLETION REPORT

08/07/07 TP = 950 psi. Made 144 BO. Rigged up wireline truck. Ran in the hole with gauges with 1.906" no go on bottom. Tool string stopped at 523'. Pulled out of the hole with gauges & laid down same. Picked up 1.83" gauge ring. Ran in the hole to seating nipple @11,415'. Pulled out of the hole with gauge ring. Left well flowing over night.

08/08/07 8:00 a.m. FTP = 860 psi. Produced 60 bbls oil in last 24 hrs. Rigged up wireline truck. Trip in tubing with electronic gauges to SN. Released gauges. Pulled out of the hole with wireline. Shut well in for 72 hr buildup.

08/09/07 SITP = 1050 psi.

08/10/07 SITP = 1100 psi.

08/11/07 Rigged up slick wireline. Pulled out of the hole with gauges. Put well on production.

08/12/07 Made 66 bbls oil

08/13/07 TP = 850 psi. Made 28 bbls oil