

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

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. 30-025-36942
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" 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. 34383
3. Address of Operator P.O. Drawer 1416 Snyder, TX 79550		7. Lease Name or Unit Agreement Name Duncan "32" State Com
4. Well Location Unit Letter <u>H</u> : <u>2245</u> feet from the <u>North</u> line and <u>660</u> feet from the <u>East</u> line Section <u>32</u> <u>17-S</u> Township <u>34-E</u> Range <u>NMPM</u> Lea County		8. Well Number 1
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 4078' GR		9. OGRID Number 141928
10. Pool name or Wildcat Vacuum; Morrow		
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 _____		

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:

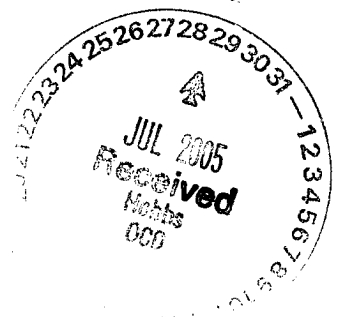
REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐

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 & production reports.

We are waiting on a workover rig to run tubing in the well before performing the 4-point potential test.



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 07/26/05

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 AUG 01 2005
Conditions of Approval (if any):

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

DUNCAN "32" STATE COM NO. 1
Lea County, New Mexico

DAILY COMPLETION REPORT

- 04/27/05 Nipple up 7-1/16" 10K frac valve. Tested valve good to 8000 psi. Left shut in for night.
- 04/28/05 Rigged up wireline truck & ran in the hole with CBL, CCL & GR – PBTD @13,440'. Logged to 8200', top of cement @8900'. Rigged down wireline truck. Rigged up BJ coiled tubing unit & ran in hole with 1.75" coil to 13,400'. Circulated casing w/6% KCL water. Spotted 47 bbls of Claysafe "H" acid from 13,400' to 11,400'. Pulled out of the hole & rigged down coiled tubing unit.
- 04/29/05 Rigged up wireline truck & grease lubricator. Ran in the hole with 3-3/8" perforating gun & got on depth with CCL & bond log. Perforated lower Morrow Sand from 13,376' to 90' (14' – 84 holes). Had 750 psi on tubing instantly. Built to 1100 psi & held. Stand by & waited on acid pump. Rigged up BJ acid pump truck. Displaced acid with 50 bbls of 6% KCL water. Formation broke down @6095 psi. Treated @5830 psi @3.5 bpm. ISIP – 5580 psi, 5 min – 3225 psi, 10 min – 2475 psi & 15 min – 1975 psi. Watched formation bleed off for a total of 90 minutes. Pressure leveled out @1200 psi. Opened well up to flowback tank. Flowing back to tank @rate of .50 to .75 bpm. Started flowback @7:45 p.m. (Texas time).
- 04/30/05 3:30 a.m. Water flow increasing.
5:30 a.m. Well blowing gas switching through separator.

	Time	Gas Rate	Choke	CP	Tank Gauge	Bbl/hr	Total Recovered
	7:30 am	3.2	28/64"	940#	1' 1"		350
	8:30 am	3.2	28/64"	820#	1' 6"	17	367
	9:30 am	3.0	25/64"	960#	1' 10"	14	381
	10:30 am	3.5	28/64"	820#	2' 2"	17	398
	11:30 am	3.1	29/64"	750#	2' 7"	20	418
	1:30 pm	2.5	29/64"	720#	3' 3"	37/18.5	455
	3:30 pm	2.1	20/64"	920#	3' 8"-40% condensate	23/11.5	478
	4:30 pm	2.4	20/64"	950#	3' 10"-drained tank	10	488
	10:00 pm	2.3	20/64"	900#	2' 2"/3' 3"	57/12.7	545
					2' 8"-drained tank		
05/01/05	7:30 am	1.9	20/64"	750#	4' 6"	105/11	650
	8:30 am	2.1	28/64"	600#	3' 2"/3' 5"	14	664
	9:30 am	2.0	28/64"	600#	3' 8"-30% condensate	14	678
	10:30 am	2.0	28/64"	580#	3' 10"	10	688
	11:00 am	Ran meters in hole for bottom hole pressure test					
	12:30 pm	3.0 SI 1hr	20/64"	1100#	3' 10"		
	1:30 pm	2.2		860#	4' 2"	20	708
	2:30 pm	2.1	28/64"	600#	4' 5"	15	723
	8:00 pm	1.7	Shut in	530#	2' 11"/3' 10"	52/	775
05/02/05	SITP – 2200# (12 hrs)						9.5

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

DUNCAN "32" STATE COM NO. 1

Lea County, New Mexico

- 05/03/05 SICP – 2800 psi
05/04/05 SICP – 3275 psi
05/05/05 SICP – 3500 psi
05/06/05 SICP – 3500 psi. Pulling bottom hole pressure gauges this morning.
Maximum bottom hole pressure is 5539 psi & bottom hole temperature is 189°. Left well shut in.
- 05/18/05 SICP = 4100 psi. Rigged up Gray Wireline with 10K greasehead lubricator.
Attempted to run perforating gun but lubricator was leaking & freezing up. Shut down to repair lubricator.
- 05/19/05 Ran in the hole & perforated Upper Morrow (13,138-44') with 3-3/8" casing gun, 6 spf. Ran in the hole & set 5½" 10K composite bridgeplug @13,300'. Dump bailed 20' cement on top. No pressure change seen after perforating, still 4100 psi. Left well shut in overnight.
- 05/20/05 SICP = 4200 psi.
11:00 a.m. - Opened up to test separator. Began flowing at rate of 3500 mcf/d.
12:00 p.m. - Casing pressure 3000 psi, rate 3500 mcf/d on 16/64" choke. Made 3 bbls of condensate with no water.
1:00 p.m. - Casing pressure 1850 psi, rate 3500 mcf/d on 19/64" choke. Made 15 bbls of condensate.
2:00 p.m. - Casing pressure 1250 psi, rate 3500 mcf/d on 20/64" choke. Made 6 bbls of condensate, no water.
3:00 p.m. - Casing pressure 900 psi, rate 3100 mcf/d on 21/64" choke. Made 2 bbls of condensate.
4:00 p.m. - Casing pressure 600 psi, rate 2500 mcf/d on 25/64" choke. Made no fluid in the last hour.
5:00 p.m. - Casing pressure 500 psi, rate 2100 mcf/d w/choke full open. Made no fluid in the last hour. Shut well in.
- 05/21/05 SICP = 2300 psi.
- 05/22/05 SICP = 2800 psi.
- 05/23/05 SICP = 3500 psi
- 05/24/05 SICP = 3950 psi. Rigged up ARC Pressure Data Wireline truck & ran gauges to mid perms @13,141'. Maximum bottom hole pressure was 6132 psi. Pulled out of the hole & rigged down. Left well shut in. Wait on treatment.

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- 05/26/05 SICP – 4230 psi. Rigged up BJ Services acid pump truck & attempted to treat down the casing with 1500 gals of 7.5% acid with 305 gals of methanol in place of mix water. Bullhead acid & 11 bbls of 6% KCL, pressured up to maximum pressure @8000 psi. Shut down, had very slow bleed off. Waited 20 minutes & started pumping. Pressured up to 8500 psi. Shut down & released pump truck. Began flowing well back. Recovered acid & KCL water with 17 bbls of condensate. Continued flowing well & waited on coil tubing unit. Pressure down to 200 psi in 5 hours. Last flowing rate & pressure 2000 mcf/day @200 psi. Rigged up Halliburton coil tubing unit (1¼" coil). Ran in the hole to 13,150' & loaded hole with 320 bbls of 6% KCL water. Didn't kill well, circulated through choke. Spotted 1500 gals of Halliburton Claysafe "H" acid. Shut well in with 400 psi on casing. Pulled out of the hole with coiled tubing.
- 05/27/05 Rigged up Halliburton pump truck. Started on 6% KCL, took 65 bbls to load casing. Broke formation down with 6123 psi. Average treating pressure 6400 psi, rate 3 bpm. ISIP – 6222 psi. Down to 3635 psi in 15 minutes, 475 psi in 90 minutes. At 2:15 p.m. opened up to flow back tank. Flowed back a total of 35 bbls of water in 1 hour. Well is dead. Waited on nitrogen.
5:00 p.m. – rigged up Halliburton coiled tubing unit & ran in the hole to 5000' to jet fluid out of the hole. Jetting @5000', getting back load water. Recovered 100 bbls by 7:00 p.m., maximum pressure got to 130#. Shut nitrogen off, well bled down to 40#. Ran coiled tubing down to 6000' & recovered another 135 bbls after 5½ hours of jetting. Went to 8000' & started jetting. Recovered another 40 bbls of water. Shut nitrogen off, well bled down to 40#.
- 05/28/05 Ran coiled tubing down to 13,150' & jetted for 3 hours until no fluid could be seen going into test tank. Recovered total of 275 bbls of load water, ±175 bbls left to recover. Came back out of hole with coiled tubing & shut well in. Pressure 500# after 2 hours.
- 05/29/05 SICP – 1700 psi. Started flowing back well at 8:30 a.m. through test separator.
9:00 a.m. – 3.4 mmcf/d @1400#
10:00 a.m. – 2.5 mmcf/d @800#
11:00 a.m. – 1.0 mmcf/d @600#
1:00 p.m. – 921 mmcf/d @380#
4:00 p.m. – 850 mmcf/d @350#
Shut well in.
- 05/30/05 SICP – 1700 psi.

F. J. PETERSON PETROLEUM LP
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DUNCAN "32" STATE COM NO. 1
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05/31/05 SICP – 2200 psi

06/01/05 SICP – 2500 psi

06/03/05 SICP – 3300 psi

06/05/05 SICP – 3900 psi

Plan to run static dip-in pressure survey & hook well up to sales line to sell gas until frac recommendation & frac job are completed.

06/08/05 Shut in casing pressure – 4170 psi. Rigged up ARC Pressure Data Wireline truck & ran in the hole with gauges for bottom hole pressure. Max BHP is 6646 psi, max temperature 185° & fluid level appeared to be @10,095' from the surface. Rigged down wireline truck & turned well down the sales line.

06/09/05 26 BO, 0 BW, 751 MCF, TP = 520#, GR = 580 MCF/D

06/10/05 5 BO, 0 BW, 503 MCF, 500 TP, 459 LP

06/11/05 5 BO, 0 BW, 389 MCF, 420 TP, 399 LP

06/12/05 3 BO, 0 BW, 220 MCF, 500 TP, 470 LP

06/13/05 3 BO, 0 BW, 162 MCF, 500 TP, 465 LP

06/14/05 3 BO, 0 BW, 177 MCF, 482 TP, 500 LP

06/15/05 0 BO, 0 BW, 155 MCF, 550 TP, 493 LP

06/16/05 3 BO, 0 BW, 132 MCF, 550 TP, 477 LP

06/17/05 5 BO, 0 BW, 159 MCF

06/18/05 3 BO, 0 BW, 186 MCF, 500 TP, 451 LP

06/19/05 8 BO, 0 BW, 161 MCF, 500 TP, 445 LP

06/20/05 3 BO, 0 BW, 155 MCF, 500 TP, 456 LP

06/21/05 5 BO, 3 BW, 156 MCF, 490 TP, 437 LP

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06/22/05 8 BO, 3 BW, 151 MCF, 448 TP

06/23/05 8 BO, 0 BW, 133 MCF, 500 TP, 459 LP

06/24/05 8 BO, 3 BW, 240 MCF, 500 TP, 475 LP

06/25/05 8 BO, 0 BW, 278 MCF, 500 TP, 466 LP

06/26/05 3 BO, 0 BW, 234 MCF, 500 TP, 468 LP

06/27/05 3 BO, 0 BW, 231 MCF, 500 TP, 463 LP

06/28/05 5 BO, 0 BW, 232 MCF, 500 TP, 469 LP

06/29/05 11 BO, 0 BW, 223 MCF, 550 TP, 524 LP

06/30/05 3 BO, 0 BW, 194 MCF. Shut in well for frac job. MI RU Halliburton and FLO CO2. RU Guardian casing saver. Tested lines to 10,000 psi. Frac'd well down 5½" casing with 68,000 gals of 65 Quality 30# Foam and 50,000 lbs of 20/40 Bauxite. Average rate = 18 BPM @ 8013 psi. Max. Pressure = 8615 psi. Staged proppant from 0.5 to 4 ppa and flushed well with 301 Bbls of 57 quality foam to top perf. ISIP = 8168 psi. 5 min. = 7847 psi., 10 min = 7728 psi., 15 min = 7662 psi. Total load to recover = 560 Bbls. RD Halliburton and Guardian. After 2 hours SICP = 7000 psi. Opened well up through flowback manifold on a 12/64" choke.

07/01/05 FCP = 670 psi on a 16/64" choke. Recovered 134 Bbls of load. CO2 flowrate = est. 915 MCF/D. Opened well up to a 30/64" choke. LTBR = 426 Bbls. Began increasing choke to full open @12:00 noon. Casing pressure 350 psi. 6:00 p.m. pressure dropped to 45 psi. Recovered a total of 112 bbls of water in 11 hours. Flowing ±70% CO2. Continued flowing overnight. Recovered a total of 246 bbls of 560 bbl load.

07/02/05 7:00 a.m. – recovered 11 bbls of water overnight (13 hours). Opened to tank on 2" choke, casing pressure 45 psi, 30 % CO2. Recovered 257 bbls of 560 bbl load. Left well flowing to flowback tank.

07/03/05 11:00 a.m. – recovered 55 bbl of water with a trace of condensate in 28 hours. Casing pressure 20 psi, 20% CO2. Recovered a total of 312 bbls of 560 bbl load. Left flowing to tank on 2" choke.

07/04/05 10:00 a.m. – made 2 bbls of water in 23 hours. Casing pressure 30 psi, did not check CO2. Recovered 314 bbls of 560 bbl load. Left flowing to the tank.

PATTERSON PETROLEUM

DUNCAN "32" STATE COM NO. 1
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DAILY PRODUCTION

Jun-05

DATE	OIL	WATER	MCF	CP	LP	REMARKS
2						
3						
4						
5						
6						
7						
8						Turned down sales line
9	26	0	751	520		
10	5	0	503	500	459	
11	5	0	389	420	399	
12	3	0	220	500	470	
13	3	0	162	500	465	
14	3	0	177	482	500	
15	0	0	155	550	493	
16	3	0	132	550	477	
17	5	0	159			
18	3	0	186	500	451	
19	8	0	161	500	445	
20	3	0	155	500	456	
21	5	3	156	490	437	
22	8	3	151	448		
23	8	0	133	500	459	
24	8	3	240	500	475	
25	8	0	278	500	466	
26	3	0	234	500	468	
27	3	0	231	500	463	
28	5	0	232	500	469	
29	11	0	223	550	524	
30	3	0	194			Shut-in for frac Flowback to tank
7/1/2005						
2						
3						
4						
5						
6	77	8	412	600		
7	8	0	888	480		
8	0	0	946	510		
9	5	0	986	550		
10	0	0	992	510		
11	0	0	1004	510		
12	0	0	1021	510		
13	0	0	1025	540		
14	0	4	980	520		
15	0	5	1036	545		
16	19	16	1011	510		
17	35	11	1034	520		
18	33	0	1010	510		
19	30	0	1026	510		
20	33	0	1050	490		
21	27	0	1021	520		
22	14	0	1044	600		
23	8	3	1068	600		
24	33	0	1036	600		
25						
26						
27						
28						