

Submit 3 Copies
to Appropriate
District Office

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-103
Revised 1-1-89

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

OIL CONSERVATION DIVISION
310 Old Santa Fe Trail, Room 206
Santa Fe, New Mexico 87503

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL API NO.
30-015-32301

5. Indicate Type of Lease
STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

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
Gruy Petroleum Management Co.

3. Address of Operator
P. O. Box 140907, Irving TX 75014-0907

4. Well Location
Unit Letter I : 1980' Feet From The South Line and 660' Feet From The East Line
Section 16 Township 24S Range 26E NMPM Eddy County
10. Elevation (Show whether DF, RKB, RT, GR, etc.)
3359' GR

11. 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"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>		CASING TEST AND CEMENT JOB <input type="checkbox"/>	
OTHER: <input type="checkbox"/>		OTHER: <u>Drill out CIBP & frac to Morrow perms perf Up Mor</u> <input checked="" type="checkbox"/>	

12. 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.

Pushed down CIBP to 11644', frac Lower Morrow perms @ 11594' - 11604', set RBP w 1 sx sand @ 11086' & perf Upper Morrow @ 11045 - 11052 48 hole 6 SPF per attached drilling report. Turned to sales.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Natalie Krueger TITLE Production Assistant DATE 10/10/02
TYPE OR PRINT NAME Natalie Krueger TELEPHONE NO. 972-401-3111

(This space for State Use)

ORIGINAL SIGNED BY TIM W. CUPP
DISTRICT II SUPERVISOR

SEP 18 2002

APPROVED BY BAD TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

Gruy Petroleum Management Co.

Magnum Hunter Production, Inc.

Well History

1980' FSL & 660' FEL Sec 16,T24S, R26E

Eddy County, NM

API 30-015-32301

OPERATED

CARLSBAD SOUTH

GRUY PETROLEUM MANAGEMENT CO

76747 WHITE BABY COM 3

EDDY, NM

W.I. Pct BCP 0.00 %

W.I. Pct ACP 100.00 %

Morrow / 12,000'

09/11/2002

Completion

AFE: 22040

Present Operation:

At 7:00am - Well flowing at a rate of 1123 MCFD gas with 285 psi flow tubing pressure and 260 psi sales line pressure on a 48/64" choke. Had 0 psi casing pressure. Well sold 1143 MCF gas and produced 7 bbls water in last 24 hours. Moved in and rigged up Key Rig 632. Pumped 70 bbls 7% KCL water down tubing. Tubing did not load. Released packer at 11,101' and TOOHH with 2 3/8" tubing and packer. TIH with notched collar and bailer on 2 7/8" work tubing to 5800'. Shut well in and shut down for dark. Plan to bail sand off CIBP tomorrow.

09/12/2002

Completion

AFE: 22040

Present Operation:

At 7:00am - Well had 650 psi tubing pressure and 1450 psi casing pressure after 12 hours shut in. Bled off and pumped 80 bbls 7% KCL water to kill gas flow. Finished in hole with notched collar and bailer on 2 7/8" tubing. Tagged up on sand at 11,410' and bailed out fill to 11,496'. Bailer quit making hole. TOOHH with bailer. Recovered frac sand. Tripped back in hole with notched collar and bailer to 6500'. Shut down for dark and shut well in. Will bail more tomorrow. Note: Well blowing gas to surface again when shut down for dark.

09/13/2002

Completion

AFE: 22040

Present Operation:

At 7:00am - Well had 700 psi tubing pressure and 1000 psi casing pressure after 12 hours shut in. Bled off pressure and pumped 80 bbls 7% KCL water to kill well. Finished in hole with notched collar and bailer. Tagged up on sand 11,485'. Bailed out to 11,502'. Could not make anymore hole. TOOHH with bailer and recovered sand and cement. TIH with 4 3/4" bit and bailer to 10,800'. Shut well in and shut down for dark. Plan to drill cement and CIBP tomorrow.

09/14/2002

Completion

AFE: 22040

Present Operation:

At 7:00am - Well had 525 psi tubing pressure and 325 psi casing pressure after 12 hours shut in. Bled off pressure and pumped 60 bbls 7% KCL water to kill well. Finished in hole with bit and bailer. Tagged up on fill at 11,495'. Bailed and drilled out sand, cement and CIBP to 11,550'. Pushed CIBP down to 11,644'. Pulled bailer and bit up to 5000' and shut down for night. Shut well in. BLWTR = 679.

09/15/2002

Thursday, 10 October, 2002

WHITE BABY COM 3

Completion
AFE: 22040 Present Operati

At 7:00am - Well had 475 psi tubing pressure and 475 psi casing pressure after 12 hours shut in. Pumped 40 bbls 7% KCL water down well bore to kill well. Finished out of hole with bailer and bit. TIH with 5 1/2" PLS packer and 2 7/8" SN on 301 joints 2 7/8" L-80 tubing. Tested to 9500 psi while going in hole. Set packer at 11,490'. Removed BOP and installed tubing valve assembly. Shut well in and shut down for day. BLWTR = 719. Note: Plan to frac well on Monday.

09/16/2002
Completion
AFE: 22040 Present Operation:

Shut down for Sunday. Plan to frac well tomorrow. BLWTR = 719.

09/17/2002
Completion
AFE: 22040 Present Operation:

At 7:00am - Had 350 psi tubing pressure and 1300 psi casing pressure after 36 hours shut in. Installed wellhead isolation tool in wellhead and 2500 psi pop-off valve on casing. Staked down all lines. Rigged up Halliburton. Fracture treated Lower Morrow perms 11,594' -11,604' with 25,500 gals 70-60Q Waterfrac (45# gel) CO2 foam and 13,250 lbs 20/40 Interprop down tubing. Average rate and pressure = 11 BPM at 8250 psi. Maximum pressure = 8611 psi (This was at the end of flush. Well was screening out). ISDP = 7300. 5 min = 5916. 10 min = 5501. 15 min = 5330. BLWTR from frac = 228. Rigged down wellhead isolation tool and rigged up flow back manifold. Began flowing well back. After 3 hours - not lifting any fluid. Had recovered and estimated 40 bbls load water. Was seeing gel, sand and CO2 at flowline when well quit flowing. Shut in for 2 hours and had 165 psi tubing pressure. Opened to pit on a 1 1/2" valve. Unloaded an estimated 3 bbls water and CO2 before well quit flowing again. Shut well back in at 7:00pm. Estimated BLWTR from Lower Morrow = 185. BLWTR from Middle Morrow = 719. Note: Plan to flow well again tomorrow and swab if necessary. Shut down for dark.

09/18/2002
Completion
AFE: 22040 Present Operation:

At 7:00am - Had 300 psi tubing pressure after 12 hours shut in and 1400 psi casing pressure after 50 hours shut in. Bled off tubing to pit and lifted 5 bbls load water before well quit flowing. Ran sinker bar to packer to check for sand in tubing. Did not tag any sand. Ran swab and found IFL at 3300' from surface. Swabbed back 24 bbls load water and had fluid level down to 6400' when well began flowing. Lifting CO2, load water and some sand. Let well flow for 4 hours. Flowed back another 42 bbls load water and had an intermittent gas flare. Flow rate at an estimated 500 MCFD gas and down to a drip stream on fluid return. Choked well back to a 32/64". After 2 hours - had 48 psi flow tubing pressure and lifting a drip stream of fluid. Flow rate at 383 MCFD gas with intermittent flare. Shut well in and shut down for day. Recovered a total of 71 bbls load water today. BLWTR for Lower Morrow = 115. BLWTR from Middle Morrow = 719. Plan to pull packer tomorrow and run RBP.

09/19/2002
Completion
AFE: 22040 Present Operation:

At 7:00am - Had 575 psi tubing pressure after 12 hours shut in and 1400 psi casing pressure after 84 hours shut in. Bled off tubing and casing. Pumped 20 bbls 7% KCL water down tubing and 40 bbls 7% KCL water down casing to kill well. Released packer and started out of hole. Well began kicking fluid and gas to surface while tripping out of hole. Pumped another 20 bbls KCL water to kill well. Finished out of hole with packer (Note: Had all rubbers on packer). Started in hole with RBP. Well kicking again. Pumped another 20 bbls KCL water. Finished in hole with RBP. Had to pump another 20 bbls KCL water to kill gas flow before setting RBP at 11,100'. Circulated hole with 7% KCL water after setting RBP and tested to 2000 psi. OK. Shut well in and shut down for dark. BLWTR from Lower and Middle Morrow = 954. Note: Plan to TOOH with tubing, wireline spot sand on RBP and perforate Upper Morrow tomorrow.

09/20/2002
Completion

Thursday, 10 October, 2002

WHITE BABY COM 3

AFE: 22040 Present Operation:

TOOH with tubing and RBP retrieving head. Rigged up Halliburton Wireline and spotted 1 sack sand on RBP at 11,086'. Loaded casing with 7% KCL water. Perforated the Upper Morrow 11,045' to 11,052' at 6 spf. Total holes = 48. Well began flowing water to pit at an estimated rate of 1/2 BPM as soon as well was perforated. TIH with Arrow HD treating packer and 2 7/8" seating nipple on 104 joints 2 7/8" tubing. Well flowing at an estimated 4 BPM rate. Set packer at 3449' to control well. Loaded and tested casing to 1000 psi. OK. Hooked up flow back manifold. Had 1350 psi shut in tubing pressure. Began flowing well back. Had fluid unloaded from well in 15 minutes and flowing at a rate of 6800 MCFD gas with 2000 psi FTP on a 3/8" choke. Flow rate dropped down to 6120 MCFD gas with 1800 psi FTP after 1 hour. Lifting very little fluid. Flowed well for another 4 hours. Holding at the 6120 MCFD rate with 1800 psi on a 3/8" choke. Shut well in. Had 4200 psi tubing pressure after 2 hours shut in. Left well shut in and shut down for day. Plan to run bottom hole pressure gauges in the morning. BLWTR from Lower and Middle Morrow = 954. BLWTR from Upper Morrow = 0.

09/21/2002
Completion
AFE: 22040 Present Operation:

At 7:00am - Well had 4200 psi tubing pressure and 1800 psi casing pressure after 11 hours shut in. Rigged up Pro-Wireline and ran bottom hole pressure gauges. Found bottom hole pressure to be 5200.3 psia. Tied flowline into separator and put well to sales on a 4/64" choke with a sales rate of 2000 MCFD gas. Left well to sales. BLWTR from Lower and Middle Morrow = 954. BLWTR from Upper Morrow = 0.

09/22/2002
Completion
AFE: 22040 Present Operation:

At 7:00am - Well Flowing at a rate of 2085 MCFD gas with 3650 psi FTP on a 4/64" choke. Well had sold 1041 MCF gas in 12 hours and produced 0 bbls water. Sales line pressure = 289 psi. Casing pressure = 2250 psi after 35 hours shut in. Left well to sales. BLWTR from Lower and Middle Morrow = 954. BLWTR from Upper Morrow = 0.

09/23/2002
Completion
AFE: 22040 Present Operation:

At 7:00am - Well Flowing at a rate of 2050 MCFD gas with 3620 psi FTP on a 4/64" choke. Well had sold 2093 MCF gas in 24 hours and produced 0 bbls water. Sales line pressure = 251 psi. Casing pressure = 2350 psi after 59 hours shut in. Left well to sales. BLWTR from Lower and Middle Morrow = 954. BLWTR from Upper Morrow = 0.

09/24/2002
Completion
AFE: 22040 Present Operation:

At 7:00am - Well Flowing at a rate of 2009 MCFD gas with 3575 psi FTP on a 4/64" choke. Well had sold 2046 MCF gas in 24 hours and produced 0 bbls water. Sales line pressure = 269 psi. Casing pressure = 2310 psi after 81 hours shut in. Rigged up pump truck and circulated clay stabilizer and packer fluid in the 9.9# brine water in the frac tank. Began pumping on the tubing to kill well at a 4000 psi pump pressure. After 18 bbls pumped - tubing pressure was down to 3400 psi. Tubing pressure increased to 4500 psi and casing pressure increased to 3000 psi in the next 6 bbls pumped. Shut down pump. Total brine pumped = 24 bbls. Still had 4400 psi tubing pressure after 5 min shut in and 4300 psi tubing pressure after 10 min shut in. Hooked up tubing to flow manifold and began flowing well back. Flowed back all fluid pumped and bled well down to a 600 psi FTP on a 3/4" choke in 1 hour. Flow rate at 8800 MCFD gas and lifting no fluid. Began pumping on tubing again. After 140 bbls pumped - had a pressure of 900 psi at a 3 BPM pump rate. After 160 bbls pumped - had 3500 psi pump pressure at a 2 BPM pump rate. After 180 bbls pumped - had 3300 psi pump pressure at a 2 BPM rate. After 200 bbls pumped - had a 2500 psi pump pressure. Shut pump down. ISDP = 1900 psi. 5 min SI = 975 psi. 10 min SI = 710 psi. 15 min SI = 505 psi. Bled off tubing and casing. Had a drip stream flow from tubing. Released packer at 3449' and circulated 7% KCL water off casing with 9.9# brine water. TOOH with packer while keeping hole loaded with 9.9# brine. Rigged up Halliburton Wireline and ran an Arrowset I-X 10K