

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

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

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

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

WELL API NO.

30-015-32286

5. Indicate Type of Lease

STATE ☒

FEE ☐

6. State Oil & Gas Lease No.
Fee

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.)

7. Lease Name or Unit Agreement Name

Echols Com

1. Type of Well:

OIL
WELL ☐

GAS
WELL ☒

OTHER

2. Name of Operator

Gruy Petroleum Management Co.

8. Well No.

2

3. Address of Operator

P. O. Box 140907, Irving TX 75014-0907

9. Pool name or Wildcat

White City; Penn (Gas)

4. Well Location

Unit Letter M : 1110' Feet From The South Line and 990' Feet From The East WEST Line

Section 12 Township 23S Range 26E NMPM Eddy County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)

3258' GR

11. 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 ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐

CASING TEST AND CEMENT JOB ☐

OTHER: Set Surface & Intermediate Casing ☒

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.

11/13/02 Spud well. Drill to 487' and ran 11 jts. of 13 3/8" 48 H40STC casing. Circulate casing and RU Halliburton. Cement with 340 sx of lead & 150 sx of tail cement. Circulate 120 sx to pit.

11/26/02 Drill to 3188'. RU casing crew and 71 jts of 9.625/40/J/STC casing. Circulate and cement with 1100 sx of lead and 200 sx of tail cement.

11/27/02 Circulated 180 sx to reserve pit.

See Attached Drilling Report

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 12/02/02

TYPE OR PRINT NAME Natalie Krueger

TELEPHONE NO. 972-401-3111

(This space for State Use)

APPROVED BY For record only B4 TITLE _____ DATE DEC 09 2002

CONDITIONS OF APPROVAL, IF ANY:

Gruy Petroleum Management Co.

Magnum Hunter Production, Inc.

Well History

November 14, 2002 Thru December 2, 2002

OPERATED

CARLSBAD SOUTH

GRUY PETROLEUM MANAGEMENT CO

76804 ECHOLS COM #2

EDDY, NM

Sec 12, T23S, R26E

W.I. Pct BCP 22.50 %

W.I. Pct ACP 22.50 %

Morrow / 0'

11/14/2002 Depth 487
Progress 487
AFE: 22091 Present Operation: NU BOP Stack

Spud well & drill to 277'; WLS @ 230' = .75 degs; drlg to 487'; CIRC sweep around; drop survey tool & trip out of hole, laydown ramer & shock sub; RU casers & run 11 jts of 13-3/8" 48 H40STC casing to 487'; CIRC casing; RU Hall & cmt w/340 sx of lead & 150 sx of tail cmt, CIRC 120 sx to pit; WOC; cut conductor & casing; dress casing, heat wellhead & weld on, test wellhead to 500#, good tet; NU BOP stack.

11/15/2002 Depth 1,450
Progress 963
AFE: 22091 Present Operation: Drlg

Nipple up BOP stack. Test blinds to 500 psi. Trip in hole with BHA. Drill cement, FC at 443', and cement to 465'. Test pipe rams and annular to 500 psi. Drill cement and guide shoe at 487'. Drilling new formation to 965'. 30-55K WOB/65 RPM. Wireline Survey at 920' - 1.25 degrees. Drilling from 965' - 1375'. 35 - 50 WOB/65 RPM. Wireline Survey at 1329' - 1.75 degrees. Drilling from 1375' - 1450'. 30K WOB/65 RPM.

11/16/2002 Depth 1,662
Progress 212
AFE: 22091 Present Operation: WO Cement Plug

Drilling from 1450' - 1662' w/ one pump. Working on pump # 1. Ran wireline survey at 1596' - Off chart. Ran twice and found chart inside tool. Ran third time w/ same results. Ran 7 degree tool off another rig. Wait on 14 degree tool from Hobbs, NM. Trip out of hole and check crow's foot. Installed properly. Laydown bottom IBS. Trip in hole to 1322'. Having no hole problems associated with deviated hole. Ran 14 degree tool on every stand up to casing shoe and found angle at 1322' was 6.5 degrees and at casing shoe was 1.25 degrees. Standback BHA. Pickup drill pipe to 921' and ordered 220 sx of cement for plugback. Wait on Halliburton. Rig up Halliburton and pump 220 sx balanced plug from 921' to 600'. Good action on plug when spot- ted. Pull 4 stands and laydown remainder of pipe in hole. Wait on cement to set.

11/17/2002 Depth 674
Progress 0
AFE: 22091 Present Operation: Time Drlg at 2 min/inch

Wait on cement and pick up BHA. Tag cement at 612' and dress off to 643' where cement firming up. Time drilling at 2 - 2.5 min/inch. Saw approximately 40% formation at 655' and presently 20% formation and 80% cement.

11/18/2002 Depth 0
Progress 0
AFE: 22091 Present Operation: TIH Open-Ended

Drilling cement plug from 674' - 799'. Samples show decrease in formation and 100% cement. Wireline

Monday, 2 December, 2002

ECHOLS COM #2

survey at 749' - 1.5 degrees. Drilling cement from 799 - 880' with 5K WOB. Cement getting softer in salt section below 750'. Wireline survey at 880' - 1.75 degrees. Drilling from 910' - 955'. Fell out of cement at 955' and lower bit to 1020'. No tag or bridges in hole. Wireline survey at 948' - 2 degrees. Trip out of hole to pick up monel DC to run directional surveys. Pick up drill pipe for second cement plug. Ordered 220 sx of Premium cement and directional tools. Wait on monel DC and single shot tool. Make up bit, bit sub, monel DC, and remainder of BHA and trip in hole to 1380'. Circulate hole clean for surveys. Run single shot directional surveys at 1380' - 6.5 deg at N80E, 1190' - MR, 1000' - 3.5 deg at N71E, 810' - 2 deg at N50E, 620' - 1.25 deg at N19E, and 525' - 1.25 deg at N18E. Standback BHA. Trip in hole with open ended drill pipe for cement plug from 760' - 450'.

11/19/2002 Depth 0
 Progress 0
 AFE: 22091 Present Operation: WOC

Trip in hole with open ended drill pipe to 755'. Pump 220 sx of Premium cement with 3% Calcium chloride and balance from 755' - 450' as calculated. Weight of cement was 15.1 ppg. Wait on cement. Laydown 12 jts of drill pipe, put up windwalls around floor, and pick up BHA to drill cement. Unloaded SDI directional equipment. Surface samples of cement fairly hard after 8 hrs. Tag up cement at 487' and drill cement to 524' with 5 - 10K WOB at 36 - 40 seconds per foot. Circulated samples up and cement was still green. Wait on cement and pick up swivel for wireline operations. Drill 16' of cement from 524' - 540' with 15K WOB and 46 RPM. Drilled at 30 seconds per foot. Circulated samples up and cement still too green to sidetrack. Halliburton suggested waiting full 24 hrs before attempting to drill out. Wait on cement. Surface samples very hard.

11/20/2002 Depth 602
 Progress 62
 AFE: 22091 Present Operation: Time Drilling

Dress cement from 540' - 578' drilling at 40 - 47 sec/ft. Cement getting firmer. Pull up into casing and circulate while waiting on cement to harden. Trip out of hole for BHA change. Change bend on motor sub from 2.12 degree to 2.6 degree. Trip in hole to shoe at 487'. Set up wireline equipment and orient tool face at 195 degrees. Sliding at 1'/hr from 578' - 588'. Samples showed up to 10% formation to 583' then decreased to 1 - 2 %. Began sliding at 3 min/inch and samples came up to 20% formation at report time.

11/21/2002 Depth 926
 Progress 0
 AFE: 22091 Present Operation: Time Drill Open Hole Kickoff

Time drilling from 602' to 628', cmt starting to get mushy & formation content getting less, drilling thru cmt with 4-6K WOB looking for hard cmt, fell out of cmt completely at 748'; TIH to 919; orient toolface; time drilling from 919' to 925' at one inch per 5 mins, action of string indicates possible trying to kickoff and samples are 100% salt crystals, worked groove in well from 875' to 919' before starting time drilling.

11/22/2002 Depth 955
 Progress 33
 AFE: 22091 Present Operation: Slide Drilling 3 min/inch

Time Drilling from 925' - 934' at 5 min/inch getting 95% Salt and 5% Cement. Increase time drilling from 5 min/inch to 3 min/inch. Samples 100% Salt with trace of cement. Presently at 955' and approximately 12" away from old wellbore.

11/23/2002 Depth 1,233
 Progress 278
 AFE: 22091 Present Operation: Drilling

Slide drilling from 955' - 963' at 3 min/inch. Slide drilling from 963' - 1046' with 2K WOB. Survey at 963' was 1.4 deg at 81.8 Az. Rotate from 1046' - 1110' with 12K WOB. Survey at 1069' - 1.9 deg at 189.4 Az. Short trip above KOP and trip back in to bottom with no problems. Laydown 14 jts of drill pipe. Trip out of hole and laydown directional tools and change swivels. Pickup BHA and TIH to 1110' with no problem going through KOP. Drill from 1110' - 1138'. Run wireline survey at 1058' - 1.25 degrees. Directional tools had shown 1.8 degrees around same depth. Drilling from 1138' - 1223' with 25 - 30K WOB.