

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 Blanco Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

WELL API NO.

30-045-08946

5. Indicate Type of Lease

STATE ☒

FEE ☐

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name

Carnahan Com

8. Well No.

1

9. Pool name or Wildcat

Basin Fruitland Coal

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

Merrion Oil & Gas Corporation (014634)

3. Address of Operator

P. O. Box 840, Farmington, NM 87499

4. Well Location

Unit Letter P : 990 Feet From The South Line and 990 Feet From The East Line

Section 35 Township 30N Range 12W NMPM San Juan County

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

5910' GL

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: ☐

RECEIVED
DEC 13 1994

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐

ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐

PLUG AND ABANDONMENT ☐

CASING TEST AND CEMENT JOB ☐

OTHER: Daily completion report ☒

12. Describe Proposed or Completed Operations (Include Date of Completion details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

11/18/94

OIL CON. DIV.
DIST. 3

MIRU Ram Rig No. 1 on 11/18/94. Spot equipment. Blow well down. NU WH, ND BOP. TOH with 64 joints of 2-3/8". Shut well in. SD for weekend.

11/21/94

Blow well down. RU Blue Jet, set 4-1/2" RBP at 2047'. Dump 5 gal sand. Load hole with 1% KCl, pressure test casing to 3000 psi - held OK. TH to 1800', swabbed casing down to approx. 1300'. TOH. RU Blue Jet, perforated Lower Coal 2012'-2037' with 2 SPF. FL @ 1350'. RU BJ to ball off with 250 gal 14% HCl and 100 - 7/8" ball sealers. Displaced 30# gel, sealed off with 2 bbls/acid left in casing, surge balls. Pump away acid. Ran junk basket (retrieved 94 balls at 41 hits). RU BJ to frac as follows: Load hole with 32 bbls 2% KCL. Pump in at 10 BPM at 100 psi. Shut in. Well on vacuum. Load hole with 70% quality nitrogen foam. Pump in at 23 BPM at 1500 psi. Shut in. ISIP 1400 psi = 0.7 psi/ft frac gradient. Pump 5000# of 20/40 sand and displace into perms with 130 bbls 70% foam. Pressure increase to 1650# at 25 BPM when sand hit. ISIP 1600 psi = 0.8 psi/ft frac gradient.

*** CONTINUED OTHER SIDE ***

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

SIGNATURE

Steven S. Dunn

TITLE

Operations Manager

DATE

12/12/94

TYPE OR PRINT NAME

TELEPHONE NO.

(This space for State Use)

Original Signed by FRANK T. CHAVEZ

SUPERVISOR

APPROVED BY

TITLE

DATE

DEC 13 1994

CONDITIONS OF APPROVAL, IF ANY:

Pump frac job as follows at 25 BPM with 70% nitrogen foam:

3,500 gal 70% quality foam pad at 1720 psi

3,000 gal at 1 ppg 20/40 sand at 1880 psi

3,000 gal at 2 ppg 20/40 sand at 2022 psi

3,000 gal at 3 ppg 20/40 sand at 2170 psi

7,000 gal at 4 ppg 20/40 sand at 2300 psi

5,000 gal at 4 ppg 16/20 sand

Go to flush. Screen out at 3000 psi. ISIP 2600 psi.

Avg rate = 25 BPM; Avg press = 2300 psi; Sand pumped 52,200# 20/40 all in formation, 20,000# 16/20 pumped, 14,400# in formation. Total load including acid = 328 bbls. Flow back on 1/4" choke to pit. After 1-1/2 hrs, flowing at 400 psi. Leave to pit overnight.

11/22/94

Check well, 50# on 1/4" choke. Change choke to 3/8". Blow well, well died. TIH with tubing. Tgd fill @ 2025'. TOH. SWL. SDFN.

11/23/94

Check pressure - Csg 250 psi. RU Blue Jet and set RBP @ 1970' KB. Load hole with 1% KCl water. Press test csg to 3000 psi (drop 5 gal sand on BP). PSI test - OK. TIH with tubing to approx. 1850'. Swab casing down to approx. 1700'. TOOH. Blue Jet perf'd upper coal interval at 1824'-1832', 1882'-1890', 1931'-1941' (2 JSPF - total 52 holes). RU BJ to ball off approx. 16 bbls to load hole, injection rate 4.4 BPM at 1260 psi. Bullhead in 250 gals 15% HCl with 130 ball sealers, displace with 33.5 bbls/2%. Tried to ball off - rate 6.5 BPM @ 2545 psi. Had several breaks in psi (did not ball off to est. psi). Ball gun jammed, dropped total 25 balls. ISIP 1188 psi. Blue Jet ran junk basket, retrieved total 3 balls. RU BJ to frac as follows: Pumped 6 bbls 30# gal at 1249 psi. Shut down. ISIP 1075 psi. Continued with pad of 26.7 bbls with nitrogen = Foam 70% Q.

Pumped 16.4 bbls with 1# PPG 20/40 sand 2000#

Pumped 18.6 bbls with 2# PPG 20/40 sand 4000#

Pumped 25.9 bbls with 3# PPG 20/40 sand 7500#

Pumped 52.1 bbls with 4# PPG 20/40 sand 20,000#

Pumped 40.0 bbls with 4# PPG 16/30 sand 14,000#

Flushed with 25.2 bbls/30# gel. Total 47,500# sand, Frac fluid 190 bbls, acid 55 bbls. Total to recover 245 bbls, Total nitrogen - 267,500 SCF. AIR 21 BPM, AP 1750 psi. ISIP 1180 psi, 5 min 1150 psi. Flow well back through 1/4" choke, start 2:15 pm with 1050 psi, at 3:15 pm 1025 psi, at 4:15 pm 1000 psi, at 5:15 pm 975 psi, at 6:15 pm 950 psi. Leave well flowing overnight. SDFN. SD for Holidays.

11/28/94

Check well - dead. RU floor. TIH with retrieving head and string float. Tgd sand at 1900'. CO sand to BP @ 1970'. Tried to latch onto BP, could not. TOH. TIH with retrieving head minus skirt. Reverse 4' fill, tried to latch onto BP, could not. Pulled tubing off btm. SDFN.

11/29/94

Check for fill, no fill. TOH. TIH with overshot and grapple, could not get on BP. TOH with same. TIH with wash over shoe. RU swivel. Clean out around BP, made approx. 11". Circulate hole clean. TOH. Shut well in. SDFN.

11/30/94

TIH with grapple, could not get on BP, TOH. TIH with retrieving head, could not get on BP, TOH. TIH with retrieving head and 3" skirt, tried to get on plug, could not. Pull off bottom. SDFN.

12/01/94

TIH with overshot, could not get on BP (overshot slipping off). TOH, TIH with mill guide and overshot. Mill on BP, TOH. SDFN.

12/02/94

TIH with mill shoe and grapple. Mill on BP, TOH. PU 8 - 3/8" DCs and mill shoe. TIH. RU swivel. SDON.

12/03/94

Mill on BP. TOH. TIH with short catch, latch onto BP. Rel BP, TOH with BP. SDFN.

12/05/94

TIH with collars. TOH, laying down collars. TIH with 2-3/8" production string. Tag fill at 1975'. CO fill to RBP @ 2047'. Pull tubing off bottom, wait approx. 30 mins. Check for fill, no fill. Pull tubing to 1970'. Land tubing. NU WH. SDFN.

61 jts 2-3/8"; Seating nipple - 1937'; 1 jt 2-3/8"; Sawtooth collar; Bottom tubing at 1970'

12/06/94

RDMOL on 12/06/94. Move swab rig on location. Unable to RU due to mud conditions.

12/07-11/94

Unable to RU due to mud conditions.