

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Budget Bureau No. 1004-0135
Expires August 31, 1985

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 for such proposals.)

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
Merrion Oil & Gas Corporation

3. ADDRESS OF OPERATOR
P. O. Box 840, Farmington, N.M. 87499

4. LOCATION OF WELL (Specify location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface
330' FSL and 2310' FWL

14. PERMIT NO. _____ 15. ELEVATIONS (Show whether DF, RT, GR, etc.)
6785' GR

5. LEASE DESIGNATION AND SERIAL NO.
NM 5980

6. IF INDIAN, ALLOTTEE OR TRIBE NAME _____

7. UNIT AGREEMENT NAME _____

8. FARM OR LEASE NAME
Federal 21

9. WELL NO. _____

10. FIELD AND POOL OR WILDCAT
Ojo Encino *Entrada*

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 21, T20N, R5W

12. COUNTY OR PARISH: 13. STATE
McKinley New Mexico

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF

DRILL OR ALTER CASING

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREAT

MULTIPLE COMPLETION

FRACTURE TREATMENT

ALTERING CASING

SHOOT OR ACIDIZE

ABANDON*

SHOOTING OR ACIDIZING

ABANDONMENT*

REPAIR WELL

CHANGE PLANS

(Other)

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Workover history attached. Plan to pump test the Mesaverde and evaluate. Will submit Completion Report following or during production test as appropriate.

RECEIVED
MAIL ROOM
89 NOV 10 AM 11:22
FARMINGTON RESOURCE AREA
FARMINGTON, NEW MEXICO

RECEIVED
OIL COMPANY
DISTRICT

18. I hereby certify that the foregoing is true and correct

SIGNED

Steven S. Denn

TITLE Operations Manager

DATE 11/8/88

(This space for Federal or State office use)

APPROVED BY _____

TITLE _____

CONDITIONS OF APPROVAL, IF ANY:

ACCEPTED FOR RECORD

DEC 12 1988

FARMINGTON RESOURCE AREA

*See Instructions on Reverse Side

FEDERAL 21-4

October 26, 1988

MIRU Ram Service Co. TOH w/ rods and pump. PU tbg. to tag fill @ 5915' K.B. - 19' of fill. TOH w/ 2-7/8" pumping string. (CCM)

October 27, 1988

TIH w/ saw-tooth collar on tbg. Cleaned out sand. TOH. Rigged up Petro Wireline and ran "Pengo" drillable BP and set @ 3100' K.B. Pressure tested csg. and plug to 2000 PSI. Held good. Perforated in one run as follows:

2758' - 66' K.B.	2/ft	16 holes
2769' - 75' K.B.	2/ft	<u>12 holes</u>
		28 tot. holes

Rigged down Petro. SWI. SDON. (CCM)

October 28, 1988

Summary: Swabbed Pt. Lookout perfs 2,758-75'. Recovered total 70 Bbls, 99% H₂O, 1% oil.

RIH w/ 7" retrievable packer and 2-7/8" tubing. Circulated water w/ 1 gal. per 1000 gal aquaflo to bottom of tubing. Set pkr @ 2,700' KB. Broke down Pt. Lookout perfs @ 1800 PSI, pump in @ 3 BPM - 900 PSI. ISIP-500 PSI, 400 PSI after 5 min. Shut down, rig up to swab. Swabbed tubing volume 16 Bbl the started zone test. 1 hour swabbed 21.6 Bbls - 99% H₂O, 1% dark green oil. Swabbed down. Waited 30 min., recovered 10.6 Bbl - 99% H₂O, 1% oil. After 30 more minutes, fluid level @ 900 ft. Recovered 10.5 Bbl - 99% H₂O, 1% oil, no gas. Stabilized rate = 21 Bbl per hour, 504 BPD total fluid. Unset pkr, POH. Shut in, SDON. (CCM)

October 31, 1988

Summary: Perforate and test 8 holes 2713' - 17' K.B. Swabbed 11 Bbls over load @ 3.5 Bbls/hr. 5 - 7% oil. Strong blow of gas w/ gas cut fluid column. Rigged up Petro Wireline and perforated 2713' - 17' KB. Two shots/ft 8 holes. TIH w/ retrievable Model "C" BP and full bore pkr. Isolated perfs and swab test as follows: Circulated to fill tbg. w/ water 1 gal/1000 aquaflo. Set pkr. and broke down w/ rig pump @ 1500 psi. Pumped in @ 1000 psi, 3 BPM. ISIP - 800 psi. Total load 21 Bbls. Recovered 11 Bbls over load w/ 5 - 7% oil. Strong blow of gas behind swab. Stabilized rate - 3.5 Bbls/hr. SWI. SDOWE. (CCM)

November 1, 1988

Summary: Perforated 6 holes, 2616' - 9' K.B. Perforated and tested 8 holes, 2635' - 39' K.B. Swabbed down. Started flowing at the rate of 3 Bbls/hr - 5% oil with alot of gas.

FEDERAL NO. 21-4
November 1, 1988 - cont.

Tbg. dead. Started swabbing. F.L. 200' from surface. Made 3 runs. Tbg. dry. Waited 15 min. Had 1.5 Bbls fluid entry, 5 - 7% oil. Total fluid recovered today - 19.5 Bbls. Unset pkr. Retrieved B.P. TOH w/ tbg. and tools. Rigged up Petro Wireline. Perforated 8 holes, 2635' - 39' K.B. Also perforated 6 holes, 2616' - 19' K.B. Rigged down Petro. TIH w/ B.P. and pkr. and isolated holes at 2635' - 39' K.B. Broke down perfs w/ water, 1 gal. per 1.000 aquaflow. Broke down @ 1800 psi. Pump in @ 750 psi, 3 BPM. ISIP 500 psi. 21 Bbls of load water. Made 5 swab runs, recovered 24 Bbls of fluid. Last 2 Bbls, 5% oil show. Waited 30 min for fluid entry. Tbg. started flowing before running swab and flowed 1.5 hrs. @ 3 Bbls/hr, 5% oil cut. Flowing strong, making alot of gas. SWI. SDON. (CCM)

November 2, 1988

Summary: Finished test from 2635' - 39' K.B. Flowing 2 Bbls/hr, 5 - 7% oil, alot of gas. Moved up and tested 2616'-19' K.B. Swabbed 75 Bbls fluid from this zone, 5% oil, 25-30 Bbls/hr. Gassing heavy after each run but dies to light blow.

Tbg. 350 psi. Bled pressure off, tbg. died. Made 1 swab run, fluid level - 1100' off bottom. Tbg. started flowing, 1 hr. flowing made 2 Bbls fluid, 5 - 7% oil. Loaded tbg., unset pkr., caught B.P., pulled up and isolated perfs 2616' - 19' K.B. Broke down perfs with water treated with 1 gal/1000 aquaflow. Broke down @ 1200 psi, pumped in 700 psi @ 3 BPM. ISIP - 400 psi. Started swabbing. Recovered 26 Bbls before pulling from S.N. Swabbed 14.5 Bbls in 30 min, 6 runs with 400' of gas cut fluid every run, 3 - 5% oil. Good blow of gas behind swab. Let well set 30 min. then swabbed 25 Bbls in 1 hour. Fluid level stayed 350' - 400' off bottom, gas cut, 3-5% oil cut. SWI. SDON. (CCM)

November 3, 1988

Rigged up Petro Wireline to set cement retainer. Baker Service Tools arrived on location w/ retainer but had the wrong parts to assemble. Got the right parts from town and assembled the retainer. Set retainer on wireline @ 2755' K.B. Rigged down Petro. TIH w/ stinger on tbg. and cemented as follows: Pumped 5 Bbls water ahead of cement. Mixed and pumped 50 sx class "G", .5% F.L.A. and .2% D-46, 10 Bbls slurry, 15.8 lb. per 1 gal. displaced with 15 Bbls water. 570 psi, 2 BPM. Shut down. Tbg. 330 psi. Stung out of retainer, reversed out .75 Bbls cement. TOH w/ tbg. and stinger. SDON. (CCM)

November 4, 1988

Summary: Perforated and tested 2' zone 2750' - 52' K.B. Tested @ 5 Bbls/hr, 99.5% water w/ skim of oil on top. No

FEDERAL NO. 21-4
November 4, 1988 - cont.

gas. Total fluid recovered - 40 Bbls.

Rigged up Petro Wireline, ran gun and perforated 2', 4 shots/ft, 2750' - 52' K.B. per density log. TIH w/ pkr on 2-7/8" EUE tbg. Circulated water with 1 gal/1000 aquaflo to bottom and broke down perms with rig pump. Broke @ 1800 psi. Pumped in @ 3 BPM, 1100 psi. ISIP 800 psi. Started swab test. Swabbed load back 20 Bbls. Tbg. almost dry. Wait for fluid entry 30 min. Made 1 run, recovered 500' of fluid, film of oil on sample, no gas. Wait 30 min., recovered 350' fluid, same sample. 5 Bbls fluid first hour. Tested three more hours, one run every 30 min. w/ same results of 5 Bbls/hr. Skim of oil and no gas. Total fluid 40 Bbls. SWI. SDON. (CCM)

November 5, 1988

TOH laying down excess 2-7/8" EUE tbg. Wind blowing very hard, ruining threads. SWI. SDON. (CCM)

November 6, 1988

Ran 84 jts. 2-7/8" EUE tbg. to hang @ 2713' K.B. Laid down excess rods. PU and ran 2-1/2" x 2" x 20' RWBC corrosion resistant pump on 62 3/4" plain rods, 45 7/8" plain rods, 2 6' pony rods and 1 2' pony rod. Spaced out pump and hung on. Left unit down. Rig down - move off.