

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on re-
verse 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 <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. NM4953
2. NAME OF OPERATOR Merrion Oil & Gas Corporation		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P. O. Box 840, Farmington, New Mexico 87499		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1,980' FNL and 990' FWL		8. FARM OR LEASE NAME Federal 15
14. PERMIT NO.		9. WELL NO. 2
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6,925'		10. FIELD AND POOL, OR WILDCAT Papers Wash Entrada
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 15, T19N, R5W
		12. COUNTY OR PARISH McKinley
		13. STATE NM

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <input checked="" type="checkbox"/> Well History	

(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.)*

See attached well history.

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

SIGNED

Steven S. Dunn
Steven S. Dunn

TITLE

Operations Manager

DATE

2/8/90

(This space for Federal or State office use)

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

ACCEPTED

DATE

*See Instructions on Reverse Side

FEDERAL 15 NO. 2

November 15, 1989

MIRU Ram. Build reserve pit. SDON. (CCM)

November 16, 1989

Current Operation: TOH w/ 3-1/2" EUE tubing and Reda pump. (CCM)

November 17, 1989

Finished nipple up BOPs. TIH w/ casing scraper and 6-1/8" bit. Tagged fill @ 5,180' K.B. Drilled out to 5,195' K.B., two foot below Entrada perfs. Very hard drilling. TOH w/ tubing bit and scraper. Rigged up Schlumberger and ran M.E.T.T. casing inspection log from 4,750' K.B. to 4,550' K.B. across kickoff pt. then from D.V. tool @ 2,785' K.B. to 207'. SWI. SDON.

November 18, 1989

TIH open ended to 5,195' K.B. Circulate with rig pump to load the hole with produced water. Circulated oil to rig pit. Rigged up Dowell and mixed and pumped 50 sx Class "G" neat cement. Yield - 1.15 cu ft/sk. Displace to spot (TOC calculated 5,000 ft) and TOH w/ 2-7/8" tbg. Rigged up Schlumberger, perforated squeeze hole 4 shots/ft @ 4,665' K.B. and 4,610' K.B. Ran "Baker" wireline cement retainer and set @ 4,660' K.B. Rigged down wireline. TIH w/ stinger on 2-7/8" EUE tbg. Pressure tested tbg to 2,000 psi. Held good. Stung through retainer. Established injection rate of 3 BPM @ 810 psi. w/ full circulation behind pipe. Shut down. Get cement wt up to 15.6 lb/cuft in tub, mix and pump 35 sx class "G" cement w/ 0.6% fluid loss additive. Displace w/ water to spot. Stung out of retainer. Pulled tbg. to 4,475' K.B. Reversed out 1-1/2 Bbls cement and reversed clean. Pulled 60' of tbg. and SWI. SDON. (CCM)

November 19, 1989

TOH w/ 2-7/8" tbg and retainer stinger. Loaded the hole w/ water to pressure test csg. Pumped into csg @ 2 BPM, 700 psi w/ rig pump. TIH w/ Baker 47 "B" model "C" fullbore packer. Isolated csg leaks to be in 90' section of csg from 1,930' K.B. to 2,020' K.B. All other csg tests to 1,200 psi. 1985' - 2020' pumping @ 920 psi, .5 BPM. 1930' - 1985', 2 BPM @ 700 psi. TOH w/ tbg and removed

November 19, 1989

fullbore pkr and unloader. TIH open ended to 2,044' K.B. Mixed and spotted 75 sx class "G" cement w/ 0.5% fluid loss additive. Displace to spot. Pulled tbg reverse @ 1,662' K.B. Reversed out 1.5 Bbls.cement. Squeeze away 5 Bbls @ 730 psi, .5 BPM. Squeezed 3.25 Bbls away, staging @ 10 to 15 min. intervals, pumping 1/2 to 1/4 Bbls/stage. Squeezed to 1,200 psi. Pressure @ 1,150 psi. in 7 min. SWI. SDOWE. (CCM)

November 20, 1989

Current Operation: SDOWE. (CCM)

November 21, 1989

TOH w/ 2-7/8" tbg. TIH w/ 6-1/8" bit and csg. scraper. Tagged cement @ 1,845' K.B. Drilled good hard cement and fell through @ 2,035' K.B. Pressure tested csg. to 1,000 psi. Bled to 600 psi in 4 min. SWI. SDON. (CCM)

November 22, 1989

TOH w/bit & scraper. TIH with Model "R" packer on 2-7/8" tbg with 62' of tail pipe, set packer @ 1898' KB. Swabbed dry, wait on fluid entry 1 hr, had 200' of entry, approximately 1 bbl/hr water with a skim of oil. Repeated procedure 4 hrs with same result. TOH with Model "R" pkr. SDON. (CCM)

November 23, 1989

TIH w/ bit and scraper. Tag cement @ 4,480'. Drilled very hard cement and cleaned out to retainer @ 4,660'. TOH w/ tbg, bit and scraper. Shut down over long weekend. (Carl)

November 24 - 27, 1989

Shut down over long weekend. (Carl)

November 28, 1989

Current Operation: Rigged up Scientific Drilling International. Ran surface readout Gyro log from retainer @ 4,660' K.B. to surface. Shut well in. SDON. (CCM)

November 29, 1989

Current Operation: Rig up Petro Wireline. RIH w/ perforating gun. Perforate four .50 holes @ 1,954' - 1,956'. RIH w/ pkr and 2-7/8" tbg. Set pkr @ 1,832' - bottom of tbg @ 1,955'. Rig up swab. Made four runs to swab tbg dry. Made five runs, 30 min. apart. Recovered 2 Bbls over tbg capacity. Last two runs dry. Rig up pump. Pressure up to 1,500 psi. Bleed down to 1,100 psi. Pressure up to 1,500 psi. Bleed down to 1,400 psi then broke back to 1,000 psi. Pumped 6 Bbls into perfs @ 1/2 Bbls per min, 800 psi. ISIP: 600 psi. Swab well and recovered tbg capacity plus 1/2 Bbl. Fluid recovered was cloudy, cement colored water. No oil, no gas. (Lack 5-1/2 Bbs for total fluid recovery) SDON. (ARM)

November 29, 1989

Current Operation: Rig up Petro Wireline. RIH w/ perforating gun. Perforate four .50 holes @ 1,954' - 1,956'. RIH w/ pkr and 2-7/8" tbg. Set pkr @ 1,832' - bottom of tbg @ 1,955'. Rig up swab. Made four runs to swab tbg dry. Made five runs, 30 min. apart. Recovered 2 Bbls over tbg capacity. Last two runs dry. Rig up pump. Pressure up to 1,500 psi. Bleed down to 1,100 psi. Pressure up to 1,500 psi. Bleed down to 1,400 psi then broke back to 1,000 psi. Pumped 6 Bbls into perfs @ 1/2 Bbls per min, 800 psi. ISIP: 600 psi. Swab well and recovered tbg capacity plus 1/2 Bbl. Fluid recovered was cloudy, cement colored water. No oil, no gas. (Lack 5-1/2 Bbs for total fluid recovery) SDON.

(ARM)

November 30, 1989

Current Operation: Recovered 6 Bbls over load, water w/ skim of oil, no gas. Preparing to squeeze.

Tbg open overnight. Initial fluid level had 450' of fluid in tbg. First run had a little oil on top then all water. Swabbed well down making one run/hr, getting 1/4 Bbls/hr of dark brown water with a very light film of oil and no gas. Recovered 6 Bbls total fluid today. Unseat pkr and moved to 2,040' K.B. Set pkr and test down tbg to 1,500 psi for 15 min. Held good. Unset pkr and TOH w/ tbg and pkr. (CCM)

December 1, 1989

Current Operation: Finish TOH w/ 2-7/8" tbg and 7" pkr. TIH open ended to 2020' KB. Rigged up Western to spot cement plug. Broke circulation with 15 Bbls water. Injection rate 1/4 Bbl/min @ 800 psi. Mixed and pumped 50 sx Class "H" cement w/ .6% fluid loss additive with yield of 1.05%. Displaced with 10 Bbls water to balance plug. Pull tbg to 1792' KB. Reverse clean with 15 Bbls water. 1-1/2 Bbls cement return to surface. Pull tbg to 1667'. Squeeze away cement. Pumped 1-1/2 Bbls water @ 1500 psi. Held pressure 15 min. Bleed pressure back and recovered 3/4 Bbls water. Pressure up to 1500 psi again, used 3/4 Bbls water, bleed pressure down to 1000 psi and shut well in. WOC. (ARM)

December 2, 1989

Current Operation: TOH w/ 2-7/8" tbg. TIH w/ bit and scraper. Tag cement @ 1,841'. Drill out cement. Fell out of cement @ 2,045'. Circulate hole clean and pressure test casing to 1,500 psi. Okay. Start TOH. SDON.

December 5, 1989

Current Operation: POH laying down 2-7/8" tbg., 7" casing scraper and bit. RIH w/ remaining 2-7/8". POH laying down on racks. Rig down equipment. Rig down unit. SDON. (ARM)

December 8, 1989

Discontinued from morning report pending resumption of drilling operations.

January 19, 1990 (Day No. 1) ON REPORT

PBTD: 4,660'

Current Operation: RIH w/ pack stock.
RU Walters Rig No. 4. Bit No. 1 - 6-1/8" starter mill. Mud - water. (CCM)

HOURLY BREAKDOWN

Rig up	6.5
Drilled rat and mouse hole	1.75
Nippled up BOP	5.75
Made up AZ pack stock assembly	2
RIH picking up drill collars and drill pipe	<u>8</u>
	24

January 20, 1990 (Day No. 2)

TD: 4,643'

Current Operation: TOH w/ window mill. Drilled 6' in last 24 hours. Mud Wt: 8.4, Vis: 36. Bit No. 1 - 6-1/8" starter mill. Bit No. 2 - 6-1/8" window mill. (CCM)

January 21, 1990 (Day No. 3)

TD: 4,649'

Current Operation: Pick up BHA. Drilled 6' in last 24 hours. Mud Wt: 8.6, Vis: 56. Bit No. 3 - 6-1/8" window mill. Bit No. 4 - 6-1/8" taper mill. (CCM)

January 22, 1990 (Day No. 4)

TD: 4,839'

Current Operation: RIH w/ bit No. 6. Drilled 190' in last 24 hours. Mud Wt: 8.4; Vis: 43. Bit No. 5 - 6-1/8" Reed. Bit No. 6 - 6-1/8" HTC M646. (CCM)

January 23, 1990 (Day No. 5)

TD: 4,967'

Current Operation: TIH w/ new bottom hole assembly. (CCM)

January 23, 1990HOURLY BREAKDOWN

PU 8 jts HWDP. RIH to 4,800'	4
Ran and seated steering tool.	
Tagged bottom.	1.25
Drilled to 4,844'. Steering tool failed.	.50
POH to side entry sub. Pulled steering tool. Repaired cable head. Reran steering tool - ran to bottom @ 4,844'.	3.25
Drilled from 4,844' - 4,987'. Need more build rate to achieve target.	8
Circulated and pumped slug.	.50
POH. Layed down excess drill pipe.	4.50
Changed bit and motor. RIH.	2

January 24, 1990 (Day No. 6)

TD: 5144'

Current Operation: POH

HOURLY BREAKDOWN

4.75 RIH, LD 4 steel DCs.
 1.75 Ran & seated steering tool, Rn to btm.
 13.50 Drld fr 4987'-5144'.
 .50 Circ, pumped slug.
 3.50 POH to side entry sub, rec steering tool, POH.

January 25, 1990 (Day No. 7)

TD: 5230'

Current Operation: Waiting for new motor.

HOURLY BREAKDOWN

5.50 Finished POH. Changed bit, RIH.
 1.25 Ran steering tool, tagged bottom.
 10.25 Drilled from 5144'-5230'. Slow ROP, motor stalling.
 Lost \pm 200 psi off bottom pump pressure - motor failed.
 6.50 Pumped slug, recovered steering tool. POH. LD motor.
 .50 Waited for new Dir 475 motor to arrive at location.

January 26, 1990 (Day No. 8)

TD: 5238'

Current Operation: Drilling

HOURLY BREAKDOWN

4 Waited for new motor to arrive.
 1 Changed top sub on motor to 3-1/2" IF
 2.50 Made up and tested motor, oriented mule shoe key - lost
 key in hole - made new key.
 2.50 RIH to 4700'.
 1.50 Ran Champ II steering tool, made up side entry sub. RIH,
 surveying every 30'.
 .50 Drilled to 5238' to work past junk.
 2.25 POH to side entry sub, recovered steering tool.
 3 POH, LD Dir motor and bent sub
 4.25 Made up double bend motor. RIH.
 1.50 Ran steering tool, side entry sub, tagged bottom.

January 27, 1990 (Day No. 9)

TD: 5,495'

Current Operation: RIH to 4,750'. Drilled 257' in the last 24 hours.

January 28, 1990 (Day No. 10)

TD: 5,609'

Current Operation: RIH. Drilled 114' in the last 24 hours.

January 29, 1990 (Day No. 11)

TD: 5,924'

Current Operation: Drilling. Drilled 315' in the last 24 hours.

January 30, 1990 (Day No. 10)

TD: 6,084' KB

Current Operation: Fishing for mud motor and bit after twist off.
(SSD)

January 30, 1990 (Day No. 12)

TD: 6,084' KB

Current Operation: RIH with overshot.
Drilled 160' in last 24 hours.

January 31, 1990 (Day No. 13)

TD: 6,084'

Current Operation: POH w/ fish.

February 1, 1990 (Day No. 14)

TD: 6,084'

Current Operation: Try to work through window.

February 5, 1990 (Day No. 16)

TD: 6,084' KB

Current Operation: Cementing 4-1/2" liner.

February 6, 1990 (Day No. 17)

TD: 6,084'

Current Operation: Rig down.

February 6, 1990 **OFF REPORT**

Current Operation: Waiting on completion.