

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

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 Form 9-331-C for such proposals.)

1. oil ☒ gas ☐  
well well other

2. NAME OF OPERATOR  
Merrion Oil & Gas Corporation

3. ADDRESS OF OPERATOR  
P. O. Box 1017, Farmington, New Mexico 87401

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 1850' FSL and 1850' FWL  
AT TOP PROD. INTERVAL: Same  
AT TOTAL DEPTH: Same

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐  
FRACTURE TREAT ☐  
SHOOT OR ACIDIZE ☐  
REPAIR WELL ☐  
PULL OR ALTER CASING ☐  
MULTIPLE COMPLETE ☐  
CHANGE ZONES ☐  
ABANDON\* ☐

SUBSEQUENT REPORT OF:

☐  
☐  
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☐  
☐  
☐  
☐  
☐

(other) TD, date of TD, PBTD

5. LEASE <u>Contract 360</u>	
6. IF INDIAN, ALLOTTEE OR TRIBE NAME <u>Jicarilla</u>	
7. UNIT AGREEMENT NAME	
8. FARM OR LEASE NAME <u>Bonanza</u>	
9. WELL NO. <u>8</u>	
10. FIELD OR WILDCAT NAME <u>Chacon Dakota</u>	
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <u>Sec. 2, T22N, R3W</u>	
12. COUNTY OR PARISH <u>Sandoval</u>	13. STATE <u>New Mexico</u>
14. API NO.	
15. ELEVATIONS (SHOW DF, KDB, AND WD) <u>7117' G.L.</u>	

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

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.)\*

TD 7050' KB 8/13/82. PBTD 7023'. No liner.  
See attached well history.



Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

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

SIGNED [Signature] TITLE Operations Manager DATE 9/7/82

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE 1. ACCEPTED FOR RECORD  
CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

NMOCC

SEP 10 1982

FARMINGTON

BY SM

MERRION OIL & GAS CORPORATION

BONANZA NO. 8  
Sec. 2, T22N, R3W  
Sandoval County, New Mexico

8/2/82 Move in, rig up Young Rig 2, 8/1/82. Plug down 9:00 PM. Drilled to 220'. Set 5 joints 8-5/8" surface casing @ 201' KB w/170 sx cement. 1/4° @ 220' KB.

8/3/82 TD 2672'. Current operation drilling. Mud wt. 9.1, Vis. 38, Water Loss 5.6. 1/2° deviation @ 1827'.

8/4/82 TD 3525'. Current operation drilling. Mud wt. 9.1, Vis. 38, Water Loss 5.5. Deviation 1° @ 2990'.

8/5/82 TD 4234'. Current operations drilling. Mud wt. 9.1, Vis. 37, Water Loss 5.

8/6/82 TD 4900'. Current operation drilling. Mud wt. 9.2, Vis. 40, Water Loss 5.

8/7/82 TD 5316. Current operation drilling. Mud wt. 9.1, Vis. 40, Water Loss 4.

8/8/82 TD 5790. Current operation drilling. Mud wt. 9.0, Vis. 38, Water Loss 5.

8/9/82 TD 6155. Current operation drilling. Mud wt. 9.1, Vis. 36, Water Loss 6.

8/10/82 TD 6555. Current operation drilling. mud wt. 9.1, Vis. 40, Water Loss 5.

8/11/82 TD 6808'. Current operation drilling. Mud wt. 9.0. Vis. 42, Water Loss 5.

8/12/82 TD 6990'. Current Operation drilling. Mud wt. 9.2, Vis. 40, Water Loss 6.

8/13/82 TD 7050'. Current operation logging. Mud wt. 9, Vis. 180.

8/15/82 Logs to bottom. Go International ran IES Induction and Compensated Neutron-Density Logs. Rig down loggers. Lay down drill pipe and run 4.5, 11.6#/ft casing. Ran 168 joints Central Steel Tube Corp., Range 3 casing D & T, 4900 PSI, API tube, STC API collars as follows:

ITEM	Length	Depth - KB
Baker Guideshoe	1'	7049'
1 jt. 4.5 casing	42.37'	
Bakerline Float Collar	1.68'	7004.95'
50 jts. 4.5 casing	2102.85'	
Bakerline Stage Tool	1.68'	4902.1'
52 jts. 4.5 casing	2185.03'	
Bakerline Stage Tool	1.68'	2713.71'
65 jts. 4.5 casing	2732.75'	19.04' above KB

Circulate 2 hours w/casing on bottom to bring mud viscosity down to a 50-60 sec. viscosity. Rig up National Cementers to cement 4.5" long string in 3 stages as follows:

1st Stage - 12 Bbls chemical wash ahead of cement. 495 sx (603.90 cu. ft.) Class H 2% gel, yield 1.22 cu. ft./sx. 108 Bbls slurry. Density 15.5. Displace w/32 Bbls water and 77 Bbls mud. Bump plug, float held good. Open DV tool and circulate 3 hours.

MERRION OIL & GAS CORPORATION

BONANZA NO. 8

Sec. 2, T22N, R3W

Sandoval County, New Mexico

- 8/15/82 2nd Stage - 10 Bbls H<sub>2</sub>O preflush ahead of cement. Cement w/ 285 sx (587.10 cu. ft.) Class B w/2% econofil. Tail in w/50 sx (103 cu. ft.) Class B neat cement. Yield 2.06 cu. ft./sx. 115 Bbls slurry. Density 12.5. Shut down wash up lines. Drop plug and displace w/34 Bbls water, 42 Bbls mud. Bump plug, held good, open upper stage tool and circulate 4 hours.  
3rd Stage - 10 Bbls H<sub>2</sub>O preflush ahead of cement. Cement w/100 sx (206 cu. ft.) Class B 2% econofil, yield 2.06 cu. ft./sx, tail in w/50 sx (103 cu. ft.) Class B neat cement. 47 Bbls slurry, density 12.5. Shut down wash lines. Drop plug and displace w/42 Bbls H<sub>2</sub>O. Bump plug @ 3:20 AM Sunday morning. Held good. Set 4.5, 11.6 #/ft casing in slips as cemented. Rig down, release Young Rig 2.
- 8/16/82 Wilson Service Co. ran temperature survey. Top of cement 800' KB. PBTD 2680' KB.
- 8/17/82 Began and completed tank battery installation.
- 8/29/82 Move in, rig up. Ran 2-3/8" tubing 2/3-7/8" bit and casing scraper. Tag stage tool @ 2714' KB. Shut down over weekend.
- 8/31/82 Drill out stage tool @ 2714' KB. Pressure tested to 4500 PSIG. OK. Trip into second stage tool @ 4902' KB. Drill out. Pressure test to 4500 PSIG. OK. Clean out to bottom 7003' KB by tubing tally. Pressure tested to 4500 PSIG. OK. Picked up to 6985' KB. Swept hole w/10 Bbl gel plug and loaded hole w/1st stage frac fluid. Spotted 250 gal. 15% HCL. Trip out of hole and shut-down. (SSD)
- 9/1/82 Rig up Bluejet. Brokedown until noon. Ran Gamma-Ray-Correlation Log from 6975' KB to 5500' KB. Log depth 28' shallow to tubing tally. Unable to perforate bottom perfs. Rig down Bluejet. Trip in hole w/tubing and tag bottom by tally @ 7003' KB. Drilled 20 ft. of rat hole to 7023' KB by tally. Circulated clean and pressure tested to 4500 PSIG. OK. Picked up 17 ft. and spotted 250 gal. 15% HCL on bottom. Pulled tubing out of acid and shut down overnight.
- 9/2/82 Trip out w/2-3/8" tubing. Rig up Bluejet and perforate main Dakota 6961' - 71' KB w/2PF, 3-1/8" casing gun. Total 20 holes. Broke down w/frac pump. 13 holes indicated open. Perforated Dakota 'B' 6866' - 76' KB w/2PF, 3-1/8" casing gun, total 20 holes. Rig up Western and fraced 1st stage w/2% KCL water, 2-1/2 #/gal FR-2, 1/4 gal./1000 URI-Cide, 15 #/1000 Adomite Aqua, 1/2 gal./1000 Aquaflo as follows:
- |                         |                         |
|-------------------------|-------------------------|
| 500 Gal.                | 15% HCL spearhead       |
| 7,500 Gal.              | Pad                     |
| 3,000 Gal.              | 1/2 #/gal. 40/60 sand   |
| 22,500 Gal.             | 1 #/gal. 40/60 sand     |
| 4,800 Gal.              | 1-1/4 #/gal. 40/60 sand |
| Cut sand drop 15 balls. |                         |

MERRION OIL & GAS CORPORATION

BONANZA NO. 8

9/2/82	7,500 Gal.	Pad
	3,000 Gal.	1/2 #/gal. 40/60 sand
	22,500 Gal.	1 #/gal. 40/60 sand
	4,800 Gal.	1-1/4 #/gal. 40/60 sand
	500 Gal.	15% HCL Flush
	4,000 Gal.	Slick water flush

Total sand - 60,000 lbs. 40/60

Total water - 1906 Bbls

ISDP - 2200 PSIG. Down to 1500 PSI in 15 minutes.

Ran Baker wireline set retrievable bridge plug and set @ 6840' KB. Pressure tested to 4500 PSIG. OK. Perforated Graneros w/3-1/8" casing gun. 6768' - 96' KB w/2PF, total 56 holes. Started 2nd stage frac. Pumped 500 Bbl pad but unable to continue due to blender malfunction. Rate 42 BPM @ 3400 PSIG. ISDP - 2400 PSIG. Down to 1700 PSIG in 25 minutes. Opened well and flowed back pad for 2-1/2 hours. Rate 1-1/2 BPM. Shut-in. Shut down overnight. (SSD)

9/3/82 Rig up Western Co. to frac. 2nd stage Dakota w/2-1/2 #/1000 Fr-2, 2% KCL, 1/4 gal/1000 Uracide, 1/2 gal/1000 Aquaflow, 15 #/1000 Aquaseal.

20,000 Gal.	Slickwater Pad
10,000 Gal.	1/2 #/gal. 40/60 sand
50,000 Gal.	1 #/gal. 40/60 sand
15,000 Gal.	1 #/gal. 20/40 sand
24,000 Gal.	1-1/4 #/gal. 20/40 sand
4,425 Gal.	Slickwater Flush

55,000 lbs 40/60 sand and 45,000 lbs. 20/40 sand.

Total fluid pumped 3,429 Bbls slickwater.

Treating pressure: Min. 3400 PSI, Max. 4200 PSI.

Average treating pressure 3450 PSI.

Average rate: 43 BPM. ISDP 2450 PSI.

1750 after 15 minutes.

Shut in 3 hours. Flow back to pit through adjustable flow choke 3/4" setting. Pressure 1250 PSI down to 100 PSI after 1 hour - started making a little gas. 2 hours - well was making a slight show of oil. 3 hours - well making more gas w/slight show of oil, mostly still water. Put flow to frac tank and well made 908 Bbls overnight. Morning sample showed 15% oil flowing @ 65 PSI through 3/4" choke. Took out choke and pressure @ 30 PSI through 2" line to tank. 1 hour test well made 22 Bbls fluid - approximately 15% oil, 400 MCF/Day gas.

9/4/82 Rig crew hauled out a Baker string float and threads were bad. Ruined thread on the retrieving head also. I hauled out another string float and retrieving head. Kill well w/30 Bbls frac fluid. Trip in hole and circulate 10' of sand off bridge plug and circulate to clean up. Caught plug. Trip out of hole w/bridge plug, retrieving head, string float and tubing. Well still dead. Trip in hole w/Baker expendable check on bottom and seating nipple 1 joint off bottom. Circulate conventional to clean out 20' of sand off bottom. Pull up and button up wellhead. Tubing @ 6786' KB (6776.94', 219 joints, 2-3/8" yellow band tubing). Drop ball and pump out expendable check. Shut in casing. Tubing open to production tanks by-passing the separator. Shut down over weekend.