

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 ☒ well gas ☐ 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: 950' FSL and 1800' 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 ☐

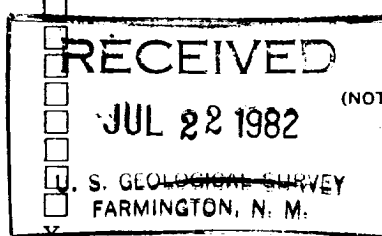
MULTIPLE COMPLETE ☐

CHANGE ZONES ☐

ABANDON* ☐

(other) Completion ☒

SUBSEQUENT REPORT OF:



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

5. LEASE
SF 080136

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Gonzales Com

9. WELL NO.
1

10. FIELD OR WILDCAT NAME
Devils Fork Gallup

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 22, T25N, R6W

12. COUNTY OR PARISH
Rio Arriba

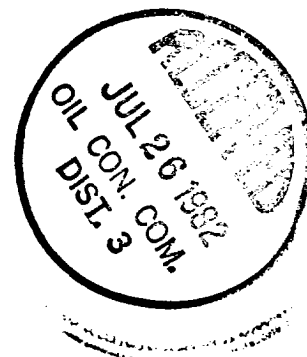
13. STATE
New Mexico

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
6689' G.L.

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.



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 7/21/82

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

ACCEPTED FOR RECORD

JUL 23 1982

*See Instructions on Reverse Side

MOCC

FARMINGTON DISTRICT
BY SMK

MERRION OIL & GAS CORPORATION

GONZALES COM NO. 1
Section 22, T25N, R6W
Rio Arriba County, New Mexico

5/28/82 Spud @ 2:30 AM. Drilling @ 150' . Daily est. cost: \$13,182.00. Cum est. cost: \$13,182.00.

5/29/82 Drilled 12-1/4 " hole to 335' KB. Ran 8 JTS 8-5/8" 20 lb./ft. K-55 surface. Total length 320' & set @ 335' KB. Rig up Cementers, Inc. & cemented surface w/250 sx class "B" 2% CaCl₂. Good returns. Wait 10 hrs & pressure tested under BOPS to 1000 PSIG. Held OK. Drill out from under surface w/7-7/8 bit. Drilling @ 335'. TD 1680', 7-7/8 hole. Tripping for bit #4. Mud weight 8.9, Vis 36, WL 6.4. Hole deviation 1/4° @ 335', 2° @ 1680'. Daily est cost: \$17,380.00. Cum est. cost: \$30,562.00.

5/30/82 TD 3030', 7-7/8" hole. Mud wt: 8.9, Vis 38, WL 6. Hole deviation 1° @ 2828'. Daily est cost: \$10,215.00. Cum est cost: \$40,777.00

5/31/82 TD @ 3811'. 7-7/8" hole. Mud weight 9.1, Vis 38, WL 6. No deviation. Daily est cost: \$ 7,415.00. Cum est cost: \$ 48,192.00.

6/01/82 TD 4455', 7-7/8" hole. Mud weight 9.0, Vis 38, WL 6. No hole deviation. Daily est. cost: \$7,415.00. Cum est. cost: \$55,607.00.

6/02/82 TD @ 4905', 7-7/8" hole. Mud wt 9, Vis 38, WL 6.5. Hole deviation 1-1/2° @ 4684'. Bit # 6 replaced #5 @ 4684'. Daily est. cost: \$ 9,915.00. Cum. est. cost: \$40,477.00.

6/03/82 TD @ 5350'. Mud weight 9.1, Vis 38, WL 6.0. Daily est. cost: \$ 7,115.00. Cum. est.cost: \$ 62,722.00.

6/04/82 TD @ 5862'. Mud wt:9.1, Vis 38, WL 6.0. Daily est. cost: \$7,295.00. Cum. est. cost: \$70,017.00

6/5/82 TD @ 6368'. Mud wt. 8.9, Vis. 36, WL 7.5. Daily est. cost: \$8,015.00. Cum. est. cost: \$78,032.00.

6/6/82 TD @ 6420' KB. Circulate to condition hole to log. Trip out to 3000' KB and circulate to condition hole to log. Trip out of hole and rig up Dresser Atlas to log. Ran IES Induction log from TD to surface. Ran Compensated Neutron Density logs. Daily est. cost: \$15,091.00. Cum. est. cost: \$93,123.00.

6/7/82 Rig down loggers. Trip in hole w/drillpipe to TD and circulate to lower vis. to 50-60 sec. vis. Trip out of hole laying down drill pipe and collars. Run casing as follows:

Item	Length	Depth
Guideshoe	1'	6417' KB
1 jt. 4.5 casing (Shoe Joint)	42.35'	
Float Collar	1.68'	6372.97' KB
27 jts. 4.5 casing	1135.85'	
Stage Tool	1.68'	5235.44' KB
125 jts. 4.5 casing	5239.56'	4.12' above KB
	6422.12' Total String	

153 jts. total in string 6417.76'

Rolled out 16 jts.

Central Steel Tube Corp.

API 4.5" 11.6 #/ft. K-55 D&T 4,900 PSI

SR-2 USA API STC Collars.

Cemented with:

1st stage 225 sx (274.50 Cu. ft.) Class H Cement w/2% Gel. Yield 1.22 Cu. Ft./sx.

2nd Stage 750 sx (1545 Cu. Ft.) Class B Cement w/2% D-79. Yield 2.06 Cu. Ft./sx.

Tail in w/100 sx (122 Cu. Ft.) Class H cement w/2% Gel. Yield 1.22 Cu. Ft./sx.

MERRION OIL & GAS CORPORATION

GONZALES OOM NO. 1
Section 22, T25N, R6W
Rio Arriba County, New Mexico

6/10/82 Wilson Service ran temperature survey. Top of cement @ 950'. TD @ 5213.
Work on tank battery.

6/11/82 Work on tank battery installation.

7/10/82 Move in, rig up Bayless Rig 3. Start in hole w/3-7/8" bit, casing scraper, and 2-3/8" tubing. Shut down overnight.

7/11/82 Trip in hole and drill out stage tool @ 5235' KB. Pressure test to 4500 PSI, OK. Clean out to float collar @ 6365' KB. Pressure test, held OK @ 4500 PSI. Shut down over weekend.

7/13/82 Building temporary sales line.

Tubing @ 6355' KB. Swept the hole w/10 Bbl gel plug and load the hole w/2% KCL water, 1 gal/1000 Aquaflo and spot 250 gal. 15% HCL acid across the perms. Trip out of hole and rig up loggers to log w/Gamma-Ray Correlation Log from 6355' KB loggers depth to 3700' KB. Perforate per

Induction Log as follows:

5 holes, 6252 - 6260' KB

2 holes, 6278 - 6280' KB

11 holes, 6288 - 6308' KB

6 holes, 6320 - 6330' KB.

Total 24 holes. Rig down loggers. Trip in hole w/straddle packers to breakdown perms in 4 settings.

1st set - 6 holes between 6320 and 6330' KB. Broke down @ 1300 PSI. Pump in @ 1100 PSI. ISIP 500 PSI.

2nd set - 11 holes from 6288 - 6308' KB. Broke @ 1800 PSI.

Pump in @ 1000 PSI. ISIP 500 PSI.

3rd set - 2 holes from 6278 - 6280' KB. Broke @ 1800 PSI.

Pump in @ 1500 PSI. ISIP 600 PSI.

4th set - 5 holes from 6252 - 6260' KB. Broke @ 2300 PSI.

Pump in @ 1400 PSI. ISIP 800 PSI.

Pull 10 stands and shut down overnight.

7/14/82 Tubing w/straddle packers @ 6340' KB. Rig up Western and evacuate the hole w/N₂. Trip out of hole w/tubing and straddle packers. Rig up Western Co. to frac the first stage Gallup as follows: 75 quality foam in 2% KCL water 1 gal/1000 Aquaflo.

15,000 Gal.

Foam Pad

6,000 Gal.

1/2 #/gal. 20/40 sand

20,000 Gal.

1 #/gal. 20/40 sand

24,700 Gal.

1.5 #/gal. 20/40 sand

4,175 Gal.

Foam Flush

Total fluid to recover 416 Bbls.

Treating pressure minimum 3600 PSI, Maximum 4100 PSI. Avg. 4000 PSI.

ISDP 3300 PSI. Shut in pressure after 15 minutes 3000 PSI.

Total N₂ 1,440,132 SCF.

Shut well in 2 hours. Open through 1/2" choke to reserve pit until well starts making oil. Put flow to frac tank. Flow overnight.

MERRION OIL & GAS CORPORATION

GONZALES COM NO. 1
SECTION 22, T25N, R6W
Rio Arriba County, New Mexico

7/15/82 Well made 36 Bbls fluid to frac tank overnight flowing through 1/2" choke. Flowing this AM 50 PSI through 1/2" choke. Took choke out of the line and tested 1 hour. Well made 15 Bbls in 1 hour. 20% oil. Tot. rate 360 Bbls/day. Total oil 72 Bbls/D. Rig up Blue jet and set Baker wireline retrievable bridge plug @ 6230' KB.

Western pressure test plug and casing to 4500 PSI, held good.

Rig up Bluejet to perforate 2nd Stage Gallup as follows:

5 holes from 6130 - 38' KB; 5 holes from 6148 - 56' KB;

5 holes 6166 - 74' KB; 7 holes from 6195 - 6207' KB. Total

22 holes per Induction Log.

Trip in hole w/Baker Straddle Packers and mechanical collar locator to breakdown perfs.

Spot 250 gal. 15% HCL acid across the perfs:

1st set - 7 holes 6195 - 6207' KB. Pump in @ 2500 PSI.

ISIP 800 PSI.

2nd set - 5 holes 6166 - 74' KB. Pump in @ 2000 PSI.

ISIP 600 PSI.

3rd set - 5 holes 6148 - 56' KB. Pump in @ 2500 PSI.

ISIP 800 PSI.

4th set - 5 holes 6130 - 38' KB. Pump in @ 2800 PSI.

ISIP 1000 PSI.

Lower tubing to 6215' KB and evacuate the hole w/N₂. Trip out of hole w/tubing and straddle tools. Had to pump 10 Bbls water down the tubing to kill tubing. Pull halfway out of the hole and the tubing started gassing est. 300 MCF with spray of oil. Kill w/10 more Bbls water and trip out of hole. Rig up Western Co. to frac w/75 Quality foam w/2% KCL water 1 gal/1000 Aquaflow as follows:

Pump 6300 gal. Foam pad

Shut down to work on gauge box.

Start frac over w/full pad.

12,000 Gal. Foam pad

6,000 Gal. 1/2 #/gal 20/40 sand

10,000 Gal. 1 #/gal. 20/40 sand

15,000 Gal. 1-1/2 #/gal. 20/40 sand

7,250 Gal. 2 #/gal. 20/40 sand

4,094 Gal. Foam flush.

Total sand 50,000 lbs. 20/40

Treating pressure - minimum 3900 PSI, Maximum 4100 PSI
avg. 4000 PSI.

ISDP 3300 PSI down to 3000 PSI in 10 min.

Total water 358 Bbls, Total N₂ 1,285,075 SCF

MERRION OIL & GAS CORPORATION

GONZALES COM NO. 1
Sec. 22, T25N, R6W
Rio Arriba County, New Mexico

7/16/82

Well flowing to frac tank overnight. Made 34 Bbls fluid.
Flowing 50 PSI through 1/2" choke. 1 hour test - well flowing
20 PSI through 2" line to tank. Made 41 Bbls fluid. Approx-
imately 20% oil. Est. 190 MCF/D.

Rig up Bluejet and set Baker Wireline Retrievable Bridge Plug
@ 6080' KB. Rig up Western Co. to fill the hole and pressure
test to 4500 PSI. Held good.

Bluejet perforated as follows:

8 holes - 6032 - 6046' KB.
10 holes - 6000 - 6018' KB.
1 hole - 6083' KB
2 holes - 5965 - 5966' KB.
2 holes - 5956 - 5957' KB.
2 holes - 5946 - 5947' KB.

25 total holes.

Trip in hole w/straddle packers and collar locator and spot 250
gal. 15% HCL across perfs. Collar locator not working. Set to
perfs and breakdown by tally:

1st setting - 8 holes - pump in @ 1000 PSI 6032 - 6046' KB.

ISIP 500.

2nd setting - 10 holes - pump in @ 1100 PSI 6000 - 6018' KB.

ISIP 500.

3rd setting - 1 hole - pump in @ 1000 PSI 6083' KB.

ISIP 500.

4th setting - 4 holes - pump in @ 1000 PSI 5956 - 5966' KB.

ISIP 400.

5th setting - 2 holes - pump in @ 1100 5946 - 5947' KB

ISIP 900.

Pull 10 stands. Shut down overnight.

7/17/82 Trip packers below perfs. Unload hole w/N₂. Trip out. Rig up
Western and fraced third stage Gallup w/75 Quality foam, 2% KCL,
1 gal/1000 Aquaflo as follows:

15,000 Gal.	Foam Pad
6,000 Gal.	1/2#/gal. 20/40 sand
6,000 Gal.	1 #/gal. 20/40 sand
40,000 Gal.	1-1/2 #/gal. 20/40 sand
11,000 Gal.	2 #/gal. 20/40 sand
3,971 Gal.	Foam Flush.

Total Sand - 91,000 LB. 20/40 sand

Total N₂ - 1,833,994 SCF

Total H₂O - 486 Bbls.

Avg. rate - 30 BPM - Avg. Pressure - 3850 PSIG.

ISDP - 2900 PSIG. Down to 2850 PSI in 15 minutes. Shut in for
two hours. Opened well on 1/2" choke and flowed to pit. Put into
Frac Tank overnight.

MERRION OIL & GAS CORPORATION

GONZALES COM NO. 1

Sec. 22, T25N, R6W

Rio Arriba County, New Mexico

- 7/18/82 Well made 78 Bbls fluid to frac tank overnight. Sample showed 25% oil. Flowing @ 50 PSI through 1/2" choke. Took choke out for 1 hour test. Flowing 30 PSI through 2" line. Well made 12 Bbls fluid, approximately 25% oil, 75% water. Kill well and trip in hole w/bridge plug retrieving head. Permian hauled in 1 load of oil. Reverse circulate 65' of sand to plug @ 6080' KB. Lost 120 Bbls to formation. Catch plug and trip out of hole w/bridge plug, retrieving head and tubing. Well dead, leave open overnight to frac tank. (Well made no production by Sunday AM.
- 7/19/82 came in sometime Sunday and made 218.5 Bbls fluid by Monday 8:00 AM. Casing pressure 435 PSI. Prepare to kill well and trip in hole to retrieve bridge plug @ 6230' KB.)
- 7/20/82 Kill well w/lease crude and trip in hole w/bridge plug retrieving head and 2-3/8" tubing. Reverse circulate 25' of sand to retrieve bridge plug @ 6230' KB. Pull bridge plug and tubing. Shut down overnight. Left well open to frac tank overnight. Stayed dead all night. Lost total of 225 Bbls oil to formation during kill and circulating sand out. Current operation this AM - going in the hole w/Baker Hydrostatic bailer to clean out to bottom. Total Bbls load oil - 459.
- 7/21/82 Well dead overnight. Trip in hole w/Baker hydrostatic bailer and clean out 105' of sand to PBTD 6365' KB/tubing tally. Trip out of hole w/bailer. Trip in hole to 5931' MD, 5944' KB w/183 jts 2-3/8" upset J-55 new tubing. Button up wellhead. Wellhead had the wrong packing rubbers. Swab 4 runs, well came in, casing on vacuum. Equipment Renewel brought out the right packing and installed. Well open to production tank overnight. Shut down overnight. Well open overnight made 165 Bbls in 16 hours. Total production since tbg. was landed 257 Bbls. Well flowing 50 PSI tubing, 350 PSI casing. Total stock 396 Bbls.