

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
Merriam 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: 790' FNL and 1810' FEL
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) TD, PBID, Prod. Csg.

SUBSEQUENT REPORT OF:

- ☐
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5. LEASE
NOO-C-5008
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME
Warito Com
9. WELL NO.
1
10. FIELD OR WILDCAT NAME
Basin Wakata
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 7, T25N, R8W
12. COUNTY OR PARISH
San Juan
13. STATE
New Mexico
14. API NO.
15. ELEVATIONS (SHOW DF, KDB, AND WD)
6341' G.L.

(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.)*

See Attached



Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED Dwight Merriam TITLE President DATE 6/14/82

(This space for Federal or State office use)

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

*See Instructions on Reverse Side

NMOCC

JUN 10 1982

FARMINGTON DISTRICT

BY SN

MERRION OIL & GAS CORPORATION

WARITO COM No. 1
Sec. 7, T25N, R8W
San Juan County, New Mexico

- 5/4/82 Move in, rig up Young Rig 3.
5/5/82 Waiting on cement @ 234'. Spud. Set 209' of 8-5/8" casing @ 223' KB w/170 sx Class B 2% CACL.
5/6/82 Pressure tested surface casing, bled off from 600 PSI to 200 PSI. Ordered out cementers. Rig up Cementers Inc. Pumped 5 Bbls H₂O ahead. Then 150 sx w/3% CACL. Displaced with 11 Bbls H₂O. NO sign of circulation to surface. Shut in for 8 hours. Pressure test, OK. Drilled out 14 ft. of hard cement.
5/7/82 Drilling @ 2710'. Mud wt. 8.9, Vis. 29, Water Loss 11.
5/8/82 Drilling @ 3390. Mud wt. 8.8, Vis. 30, Water Loss 10.
5/9/82 Drilling @ 4020. Mud wt. 8.7, Vis. 28, Water Loss 8.
5/10/82 Drilling @ 4572. Mud wt. 8.9, Vis. 30, Water Loss 8.
5/11/82 Drilling @ 5030. Mud wt. 8.9, Vis. 29, Water Loss 10.8.
5/12/82 Drilling @ 5470. Mud wt. 8.9, Vis. 30, Water Loss 10.
5/13/82 Drilling @ 5986. Mud wt. 9.0, Vis. 32, Water Loss 8.8.
5/14/82 Drilling @ 6280. Mud wt. 1, Vis. 34, Water Loss 8.8.
5/15/82 Drilling @ 6520. Mud wt. 9, Vis. 36, Water Loss 8.
5/16/82 TD @ 6610. Mud wt. 9.1, Vis. 88, Water Loss 8.0.
Trip out for logs. Rig up Dresser. Ran IES Induction, Compensated Neutron Density Logs.
5/17/82 Finished running logs. Lay down drill pipe. Ran 158 joints of 4-1/2" 11.6 #/ft., K-55, R-3 casing. 3 Stage cementing in progress.
5/18/82 All pipe 11.6#/ft Central Steel Tube Co.

ITEM	LENGTH	KB DEPTH
Guide Shoe	1'	6609' KB
1 jt 4.5 11.6 #/ft. casing	42.55'	
Float Collar	1.68'	6564.77' KB
49 jts 4.5 11.6 #/ft csg	2069.44'	
Stage Tool	1.68'	4493.65' KB
60 jts 4.5 11.6 #/ft csg	2511.89'	
Stage Tool	1.68'	1908.08' KB 1920.08
48 jts 4.5 11.6 #/ft csg	2015.6'	35.52' above KB

Total pipe 158 jts. 4.5 11.6 #/ft. casing 6639.48'.

Total string length w/tools 6645.54'.

Top of cement 200' from surface.

Cementing procedure - Long string 3 Stage.

Cement first stage w/620 sx Class H 2% D-20 yield - 1.35 cu. ft/sx. Cement Second Stage w/385 sx Class B 2% D-79, yield 1.6 cu. ft/sx. and 50 sx Class H 2% D-20, yield 1.35 cu. ft/sx. Cement Third Stage w/385 sx Class B 2% D-79, yield 1.6 cu. ft/sx. AND 50 sx CLASS H 2% D-20, YIELD 1.35 FT³/SX
Last plug down @ 10:15 AM 5/17/82.

620
385
50
385
1440

- 5/24/82 J & R completed tank battery. Also hookup of temporary cold 2 phase separator.
5/28/82 Tag 1st stage tool @ 1980' KB. Drilled out & pressure tested to 4,500 PSIG, OK. Tag 2nd stage tool @ 4493' KB. Drilled out & pressure tested to 4,500 PSIG, OK. Cleaned out to PBTD @ 6565' KB. Pulled off bottom, SDON.
Daily est. Cost: \$16,968.80. Cum est. cost: \$16,968.80

WARITO COM No. 1
 Sec. 7, T25N, R8W
 San Juan County, New Mexico

5/29/82 Western Co. rolled the hole w/10 Bbls gel plug & filled the hole w/frac fluid. Spotted 250 gals 15% HCL across the perfs. Pulled tbg. w/casing scraper and bit. Rig up Bluejet to run Gamma Ray & Cement Bond logs. Had trouble getting a good bond log. Pressure to 1,500. Reran log. Gamma Ray Correlation log perforated as follows:

- 1 hole @ 6193' KB
- 2 hole @ 6236' KB & 6239' KB
- 10 holes between 6275' & 6293' KB
- 2 holes @ 6374' & 6378' KB
- 1 hole @ 6394' KB
- 9 holes between 6447' & 6471' KB

25 holes total

Rig down Bluejet & pump 12 Bbls down the casing to pump the acid away. Pumped in @ 1,100 psi. ISIP 1,000 psi.

Daily est. cost: \$9,350.00. Cum. est. cost: \$ 26,318.80

5/30/82 SDOW

6/02/82 Ran 2-3/8" tubing to spot acid across the perfs. Spotted 250 gals 15% HCL with 2-1/2 lb/ 1000 gal. FR-2 2% KCL. Straddle pack breakdown as follows:

- 1st set: 9 holes from 6447'-6471' KB. Broke @ 3,000 psi. Pump in @ 2,800 psi. ISIP 2,500 psi.
- 2nd set: 1 hole @ 6394' KB Pressure up to 4,500 psi. No breakdown.
- 3rd set: 2 holes @ 6374' & 6378" KB. Broke @ 2,000 psi. Pump in @ 1,700 psi. ISIP 1200 psi.
- 4th set: 10 holes @ 6275'-6293' KB. Pumping in @ 1000 psi. ISIP 800 psi.
- 5th set: 2 holes @ 6236' & 6239' KB. Pump in @ 3600 psi. ISIP 3300 psi.
- 6th set: 1 hole @ 6193' KB Pump in @3000 psi. ISIP 2800 psi

Breakdown complete. Pull tubing & packers. Rig up Western Co. to frac. Fraced Dakota as follows: Pump 595 Bbls pad, pump 1905 Bbls fluid w/ 1 lb/gal 20/40 sand. Flush w/ 103 Bbls. All fluid 2.5 lb./1000 gal FR-2 1 gal/1000 aquaflo 2% KCL. Total fluid to recover 2,632 Bbls. Total sand: 80,000 lbs. 20/40 sand. Avg treating pressure: 3800 psi. Max treating pressure: 4250 psi. Avg rate: 38 BPM. ISIP 2400 psi. Final shut-in pressure after 15 min: 1650 psi. 25 holes open when started frac, 14 holes open when completed.

6/03/82 400 Bbls flowing @ 70 psi thru adjustable flow choke set @ 30/64". Sample showed 15% oil, 85% frac fluid. Ran sandline depthometer to show sand fill @ 6425' KB. Well is making a little gas, no fluid. Ran 2-3/8 tbg w/ sawtooth collar & reverse circulated the sand out to 6550' KB PB & D. Well dead. Pull tab to 6140' KB above perfs & started swabbing. Fluid level at surface @ 2:00 PM Swabbed 2 hrs: 84 Bbls; on vacuum after each run. No gas, no oil. Swabbed until 5:00 PM. Fluid level never dropped past 1500' KB. Swabbed from 4200 KB. Well dead. Shut in overnight. Daily est. cost: \$2,000.00 Cum est. cost: \$66,615.80.

6/04/82 Tbg pressure 400 PSIG. Casing 250 PSIG. Fluid level @ 1500 KB. Started swabbing.

6/04/82 Tubing 400 PSIG. Casing 250 PSIG. Opened tubing, well dead. Started swabbing. Well started flowing @ 9:00 AM: 20 Bbls/hr. Flowed all day. Casing pressure up to 300 PSIG @ 2:00 PM: produced 10% oil, 20 bbls/hr. Flow to frac tanks overnight. SDON Daily est. cost: \$2,000. Cum est. cost: \$ 68,615.80.

6/05/82 AM: Well making heavy mist. Made 386 Bbls fluid overnight. Morning sample 2% oil. Estimate 1000 Bbls back to the frac tanks after putting flow to tanks after the frac.

WARITO COM No. 1
Sec. 7, T25N, R8W
San Juan County, New Mexico

- 6/5/82 250 PSI tubing, 650 PSI casing. Blew down tubing. Swab down to stabilized rate 20 bbls/hour from Dakota, 10% oil, 100 - 150 MCF gas. 24 hour rate - 28 BOPD, 432 BWP. Still frac water. Casing @ 600 PSIG. Drop tubing to bottom, found no fill. Trip out. Run Mod 'R' packer. Trip in, set @ 6420' KB to test main Dakota. Shut-in overnight.
- 6/6/82 250 PSI tubing, 950 Casing. Found FL. @ 3500'. Swab 40% oil 1st run, pull 2000'. Drop to 10% oil. Swab down. 100 ft. of fluid in hole. No production. Swabbed total of 13 Bbls. Move packer to 6320' to test Dakota 'B' perms. Swab down to sustained rate of 4 Bbls/run mostly water, trace of oil, slight blow of gas. 16 - 20 BWP hour estimated. Casing building pressure steadily from Graneros. SDOWE.
- 6/8/82 1100 PSI casing, 1000 PSI tubing, blew tubing down. Fluid level 3500'. Swab tested, stabilized rate 4 BW per run. Trace of oil. Blew down backside, making oil and gas, no water. Released Mod. R packer. Hung up packer 2 ft. above 6330' setting depth. Worked packer, unable to pull free @ 30,000 lbs over string weight. Rig up to conventional circulate. Established circulation and worked packer, pulled free. Circulated gas out of hole. Trip out. Found gouges in packer indicating possible piece of metal wedged behind packer. Trip in w/Mod. R packer and Baker Mod C retrievable plug. Set bridge plug @ 6330' KB, packer @ 6260' KB. Isolated Graneros perms. Started swabbing. Pulled 22 Bbls fluid, fluid level rising on each pull. Shut-in overnight. Found 600 PSIG on tubing this morning, casing dead. Started flowing to tanks. Sample shows 75% oil.
- 6/9/82 Tubing 600 PSI. Casing 0 PSI. Open to stock tanks @ 8:15 AM. Made 10 Bbls 10% oil, 1st hour, put through separator, made 6 Bbls 2nd hour. Gas Rate 205 MCF/day, 1/2" plate w/50 PSI tubing. 3rd hour - gas rate 175 MCF/day, fluid 10 Bbls 25% oil, fluid rate dropped to 2.5 Bbls/hour by 8th hour. 30% oil, average gas 175 MCF/day, 50 PSIG tubing pressure. Estimated 24 hour rate 175 MCF/day gas, 20 Bbls/day oil. (SSD)
Casing pressure 500 PSIG. Bleed off pressure. Trip in w/Mod 'R' packer, set @ 6420' KB. Rig up Western and breakdown, pump in @ 3.8 BPM @ 4000 PSIG. Did a balloff w/500 gals 15% HCL. Flow back to allow balls to drop. Pump in again @ 4.4 BPM @ 4350 PSIG w/2% KCL water. ISDP 2700 PSIG. Indicates all holes open. Western Company fraced Dakota as follows:
- | | |
|-------------|-------------------------|
| 10,000 Gal. | Gel-CO ₂ Pad |
| 5,000 Gal. | 1/2 #/gal. 20/40 sand |
| 4,200 Gal. | 1 #/gal. 20/40 sand |
- Shut down, screened out - total sand 6,752 lbs.
Avg. Pressure - 4600 PSIG.
Max. Pressure - 6000 PSIG.
ISDP - 2700 PSIG.
Avg. Rate - 8 BPM w/400 SCF/Bbl CO₂.
Final shut-in 2200 PSIG in 15 minutes.
Shut-in well 2 hours. Pressure 1700 PSIG. Opened on 1/2" choke to pit. Died off immediately to a slow stream. Removed choke and put into frac tank. Made 1'6" overnight or 34 Bbls in 16 hours. Gel was broke by next morning. Ran sinker bar and found sand @ 6516' KB or 40' below perms. Rigging up to

MERRION OIL & GAS CORPORATION

WARITO COM NO. 1

SEC. 7, T25N, R8W

San Juan County, New Mexico

- 6/11/82 Swab well down in 9 runs. Made 28 Bbls water to tank, no oil, trace of gas. Let well sit 45 minutes, found 200 ft. fluid. Pulled estimated 1 Bbl dirty water, no gel, w/acid smell and oil smell. Followed same procedure remainder of the day w/no change. Left open to tank. SDON. Well dead in morning w/no production overnight. Found fluid @ 4000' from surface. Swabbing.
- 6/12/82 Swab main Dakota dry, no oil, water, trace or gas. Trip out w/ tubing. Trip in w/Baker retainer and set @ 6355' KB. Rig up Cementers Inc. Mix 35 Sx Class 'B' cement and displace to perfs. Squeeze away 25 sx. Sting out of retainer and reverse hole clean. Trip out. SDON. (SSD)
- 6/13/82 Trip in w/Mod 'C' retrievable bridge, set @ 6048' KB. Circulate hole, pressure test to 4500 PSIG, OK. Drop 15 gal 20/40 frac sand in tubing, wait 15 minutes, trip out. Rig up Blue Jet. Perforated 2 squeeze holes @ 5870' KB per Correlation Log and 2 squeeze holes @ 5300' KB per Correlation Log. Trip in w/Baker retainer and set @ 5818' KB per tally. Pump in below retainer @ 2 BPM, 4000 PSIG, could not establish circulation. Pump into upper holes down annulus @ 1-1/2 BPM @ 4200 PSIG, still could not circulate. Tried tubing again without success. Stung out of retainer and pulled tight for 10 ft. Reverse hole w/80 Bbls. Circulated frac sand, gas, oil, water out to pit. Sting into retainer okay. Trip out. Perforate 2 squeeze holes @ 5590' KB. Trip in w/tubing and sting into retainer. Pump below retainer, unable to establish circulation @ 1-1/2 BPM, 4000 PSIG. Pull 15 stands, SDOWE. (SSD)

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DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

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Merrion Oil & Gas Corporation
3. ADDRESS OF OPERATOR
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AT TOTAL DEPTH: Same

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FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐
(other) Plug back ☐

SUBSEQUENT REPORT OF:

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RECEIVED

JUN 10 1982

(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.)*

Swab main Dakota dry, no oil, water, trace of gas. Trip out w/tubing. Trip in w/Baker retainer and set @ 6355' KB. Rig up Cementers Inc. Mix 35 sx Class 'B' cement and displace to perfs. Squeeze away 25 sx. Sting out of retainer and reverse hole clean.

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 6/14/82

(This space for Federal or State office use)

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

ACCEPTED FOR RECORD

JUN 10 1982

*See Instructions on Reverse Side

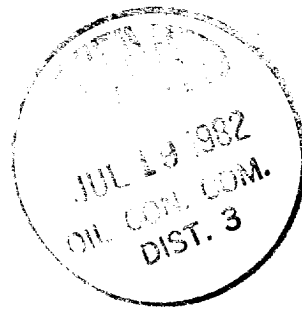
NMOCC

FARMINGTON DISTRICT
BY [Signature]

Warito Com No. 1
Sec. 7, T25N, R8W
San Juan County, New Mexico

SLOPE TESTS

<u>Depth</u>	<u>Hole Deviation</u>
234'	1/4°
1392'	1 °
2640'	1 °
5080'	3 °
6280'	2-1/2°
6610'	1-1/8°



State of New Mexico)
County of San Juan) ss

I, Steve S. Dunn, being first duly sworn, depose and state that the above and foregoing depth and hole deviation figures are true and correct to the best of my information and belief.

Subscribed and sworn before me this 13th day of July, 1982.

Steve S. Dunn
Notary Public

My Commission Expires 10/28/85