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# NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103  
Supersedes Old  
C-102 and C-103  
Effective 1-1-65

5a. Indicate Type of Lease	
State <input type="checkbox"/>	Fee <input checked="" type="checkbox"/>
5. State Oil & Gas Lease No.	

## 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 -" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		7. Unit Agreement Name
2. Name of Operator Merrion Oil & Gas Corporation		8. Farm or Lease Name Fikes Com
3. Address of Operator P. O. Box 1017, Farmington, New Mexico 87401		9. Well No. No. 1
4. Location of Well UNIT LETTER M, 990 FEET FROM THE FSL LINE AND 980 FEET FROM THE FWL LINE, SECTION 27 TOWNSHIP 25N RANGE 6W NMPM.		10. Field and Pool, or Wildcat Devils Fork Gallup
15. Elevation (Show whether DF, RT, GR, etc.) 6350' GL		12. County Rio Arriba

16.

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

#### NOTICE OF INTENTION TO:

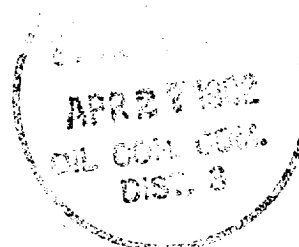
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>

#### SUBSEQUENT REPORT OF:

REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
CASING TEST AND CEMENT JOB <input type="checkbox"/>	OTHER <input checked="" type="checkbox"/> Completion

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

See Attached



18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED Frank T. Chavez TITLE Operations Manager DATE 4/23/82

Original Signed by FRANK T. CHAVEZ

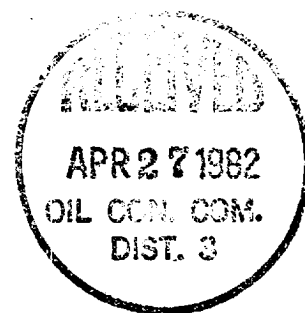
SUPERVISOR DISTRICT # 3

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE APR 27 1982

CONDITIONS OF APPROVAL, IF ANY:

MERRION OIL & GAS CORPORATION

FIKES COM No. 1  
Section 27, T25N, R6W  
Rio Arriba County, New Mexico



3/24/82 Move in, rig up Young Rig 3.  
3/25/82 Spud. Set 203' of 8-5/8" casing @ 217' KB. 175 sacks Class B 2% CACL<sub>2</sub>. WOC.  
3/26/82 Drilling @ 2458' KB. Mud wt. 8.9. Vis. 35. Water Loss 7.  
3/27/82 Drilling @ 3200'. Mud wt. 8.9. Vis. 36, Water Loss 7.  
3/28/82 Drilling @ 3900'. Mud wt. 8.9, Vis. 36, Water Loss 7.  
3/29/82 Drilling @ 4420'. Mud wt. 8.9, Vis. 36, Water Loss 6.5.  
3/30/82 Drilling @ 4800'. Mud wt. 8.9. Vis. 36. Water Loss 6.  
3/31/82 Drilling @ 5150'. Mud wt. 8.9. Vis. 3.6. Water Loss 6.  
4/1/82 Drilling @ 5663'. Mud wt. 9.0. Vis. 38, Water Loss 6.  
4/2/82 TD @ 5940'.

TD @ 9:30 PM @ 5940' KB. 4/1/82.

Ran 4-1/2" Donovan API UF Benmit test to 4400 PSI and API collars LTC as follows:

Guide Shoe	1	5939
Shoe Joint (1 jt 4.5)	39.95'	5899.05'
Float	1.68'	5897.37'
Petal basket and 31 jts 4.5		
10.5# casing	1299.78'	4597.59'
Stage Tool	1.68'	4595.91'
Petal basket and 20 jts 4.5		
10.5# casing	840.65'	3755.26'
Petal basket and 51 jts 4.5		
10.5# casing	2144.99'	1610.27'
39 jts 4.5 10.5# casing	1639.38'	29.11' Above KB
Total pipe used 142 joints 4.5 10.5#/ft. casing.		
Total pipe length	5964.75'.	
Total string length	5969.11'.	

1st stage - Pump 10 Bbls H<sub>2</sub>O ahead of cement. Pump 225 sx yield 1.34 cu. ft./sx Class H 2% D-20 cement and displace. Circulate 3 hours between stages.

2nd stage - Pump 10 Bbls H<sub>2</sub>O ahead of cement. Pump 675 sx yield 2.06 cu. ft./sx Class B 2% D-79. Tailin w/100 sx yield 1.34 cu. ft./sx Class H 2% D-20 cement and displace. Bump plug to 2300 PSI. Held good. 1:00 PM 4/2/82.

(OCM)

4/3/82 Set production unit.

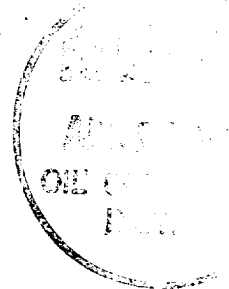
(JCA)

Rig down drilling rig preparing to move.

Ran Wilson Service Co. Temperature Survey. Found top of cement @ 700'

MERRION OIL & GAS CORPORATION

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Rio Arriba County, New Mexico



- 4/13/82 Move in, rig up Bayless Rig 3. Wait on new tubing. Trip in w/3-7/8" bit and casing scraper. Tag stage tool @ 4596' KB. Drill out to stage tool. Pressure test casing to 4000 PSI. Held OK. Clean to PBTD @ 5887' KB. Pressure test to 4000 PSIG for 10 minutes. Held OK. SDON.
- 4/14/82 Rig up Western. Sweep hole w/gel plug and load hole w/1st Stage Frac fluid. Pick up tubing to 5870' KB. Spot 250 gals. 15% HCL w/1 gal/1000 Aquaflow. Trip out w/tubing. Rig up Blue Jet. Ran Gamma Ray - Neutron Correlation Log from 5875 to 3700 ft. Ran Cement Bond log from PBTD to 5000 ft. Perforated 5724, 5626, 5761, 5764, 5767, 5769, 5771, 5777, 5779, 5781, 5783, 5796, 5798, 5800, 5869, 5871. Trip in w/straddle packers. Made 1st setting and communicated. Set in blank pipe, still communicated. Trip out of hole. Found bad packer. SDON.
- 4/15/82 Trip in w/Baker straddle packers. Break down perms as follows:  
5869, 5871 - max. pressure 1600 PSI, pump in @ 1400 PSI. ISDP 1200 PSI. 5796, 5798, 5800 - max. pressure 2400 PSI, pump in @ 1700 PSI. ISDP 1400 PSI. 5777, 5779, 5781, 5783 - max. pressure 2500, pump in @ 1600 PSI. ISDP 1400 PSI. 5761, 5764, 5767, 5769, 5771 - max. pressure 2100, pump in @ 1600 PSI. ISDP 1300 PSI. 5724, 5726 - max. pressure 2000 PSI, pump in @ 1500 PSI. ISDP 1100 PSI. Unload hole w/N<sub>2</sub>. Trip out w/packers, rig up Western as follows:  
75 quality foam 2% KCL water, 1 gal/1000 Aquaflow.
- |             |                        |
|-------------|------------------------|
| 7500 Gals.  | Foam Pad               |
| 3750 Gals.  | 1/2 #/gal 20/40 sand   |
| 5000 Gals.  | 1 #/gal 20/40 sand     |
| 9000 Gals.  | 1-1/2 #/gal 20/40 sand |
| 10000 Gals. | 2 #/gal 20/40 sand     |
| 3713 Gals.  | Flush                  |
- Total sand - 40,375 lbs.  
Total N<sub>2</sub> - 842,443 SCF  
Total water - 233.5 Bbls  
Avg. pressure - 3900 PSIG  
Avg. Rate - 30 BPM  
ISDP - 3050 PSIG  
Final in 15 min. - 2700 PSIG.
- Shut in for 2 hours. Opened on 3/8" choke. Flowed overnight. Made 1'2" (23 Bbls) overnight, oil and water. Gassing lightly w/no pressure. Preparing to set bridge plug.

MERRION OIL & GAS CORPORATION

FIKES COM NO. 1  
Section 27, T25N, R6W  
Rio Arriba County, New Mexico

4/16/82

Ran Howco drillable bridge plug and set @ 5705' KB. Pressure tested to 4000 PSIG, held OK. Perforated Upper Gallup w/3-1/8" select fire as follows: 5551, 5553, 5558, 5560, 5566, 5568, 5570, 5576, 5578, 5580, 5602, 5604, 5615, 5617, 5619, 5637, 5639, 5641, 5643, 5645, 5647, 5659, 5661, total 24 holes. .340". Trip in hole w/Baker straddle packers. Load hole w/ frac fluid and spot 250 gals 15% HCL, 1 gal/1000 Aquaflow. Broke down perfs as follows:

- 1st set - 2 holes. 5659 & 5661' KB. ISDP 900 PSI.
- 2nd set - 6 holes. 5637, 5639, 5641, 5643, 5645, 5647' KB.  
Pump in @ 1,000. ISDP 800 PSI.
- 3rd set - 3 holes. 5615, 5617, 5619' KB. Break @ 2000 PSI.  
Pump in @ 1100 PSI. ISDP 700 PSI.
- 4th set - 3 holes. 5602, 5604, 5606' KB. Break @ 2000 PSI.  
Pump in @ 1,000. ISDP 600 PSI.
- 5th set - 3 holes. 5576, 5578, & 5580' KB. Break @ 2400.  
Pump in @ 1200 PSI. ISDP 900 PSI.
- 6th set - 3 holes. 5566, 5568, 5570' KB. Break @ 1500 PSI.  
Pump in @ 800 PSI. Communicated.
- 7th set - 4 holes. 5551, 5553, 5558 & 5560' KB.  
Break @ 1600 PSI. Pump in @ 1600 PSI. ISDP 1000 PSI.

Unloaded hole w/nitrogen. Trip out w/packers. Frac Gallup w/ 75 quality foam, 2% KCL water, 1 Gal/1000 Aquaflow as follows:

25,000 Gal.	Foam Pad
12,000 Gal.	1/2 #/gal 20/40 sand
15,000 Gal.	1 #/gal 20/40 sand
25,000 Gal.	1-1/2 #/gal 20/40 sand
30,000 Gal.	2 #/gal 20/40 sand
3,645 Gal.	Flush.

Total sand - 118,500 lbs.

Total water - 27,662 Gals.

Total N<sub>2</sub> - 2,312,381 SCF.

Avg. Rate - 30 BPM.

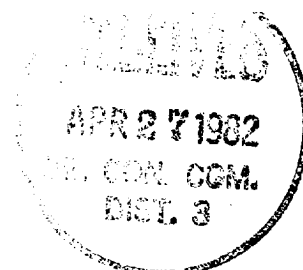
Avg. Pressure - 3600 PSIG.

ISDP - 3000 PSI, down to 2700 PSI in 15 minutes.

Shut in for 1-1/2 hours. Started flowing back. Put into frac tank overnight.

MERRION OIL & GAS CORPORATION

FIKES COM NO. 1  
Section 27, T25N, R6W  
Rio Arriba County, New Mexico



4/17/82

Bluejet set Baker retrievable bridge plug @ 5500' KB and perforated from 5305' KB to 5325' KB - 2 holes per foot - 40 holes. Ran wireline dump bailer w/8 gals. 15% HCL w/1 gal/1000 Aquaflow and spot across perfs. Perfs shot from Gamma-Ray Correlation Log. Rig up Western to frac Stage 3. Frac w/75 Quality foam 2% KCL water and 1 gal/1000 Aquaflow as follows:

Spearhead 250 gal. HCL w/1 gal/1000 Aquaflow.

8,500 Gal.	Foam Pad
4,000 Gal	1/2 #/gal 20/40 sand
6,000 Gal.	1 #/gal 20/40 sand
10,000 Gal.	1-1/2 #/gal 20/40 sand
13,500 Gal.	2 #/gal 20/40 sand
3,613 Gal.	Foam Flush

Total sand - 50,000 lbs.  
Total water - 11,404 gal.  
Total N<sub>2</sub> - 79,992 SCF  
Avg. Rate - 15 BPM  
Avg. Pressure 2900 PSI  
ISDP 2800 PSI

Shut in 1.5 hours. Started flowing back to reserve pit.  
Put flow to frac tank overnight.

4/18/82

Made 30 Bbls water overnight. Well gassing lightly. Ran tubing to 5300' KB. Swabbed well dry, made 10 Bbls water, no oil. Casing pressure 150 PSIG. Casing dry could not recover any liquid for four hours. Shut-in over weekend.

4/19/82

Well making dry gas. Trip in and clean out 150' of sand and pull retrievable bridge plug. Trip in w/sawtooth collar and seating nipple. Tag sand @ 5625' and reverse circulate to drillable bridge plug @ 5700'. Pull up to 5625' and leave tubing open overnight. SDON. Well open overnight - made 23 Bbls oil. Tubing dead. Casing 150 PSI. Start swabbing.

4/20/82

Swabbed Gallup in w/tubing landed @ top of Gallup. Flowed to tanks as follows:

1st hour - 67 Bbls total fluid	
2nd hour - 39 Bbls total fluid	Casing 100 PSI
3rd hour - 20 Bbls total fluid	
4th hour - 20 Bbls total fluid	Casing 350 PSI

Continued flowing remainder of day. Made total of 216 Bbls liquid, 164 Bbls of which was oil. Casing pressure 280 PSIG @ 5:00 PM Left flowing to tank. Overnight made 37 Bbls total, 17 Bbls of water, 20 Bbls of oil. Casing pressure 250 PSIG. Preparing to kill well.

MERRION OIL & GAS CORPORATION

FIKES COM NO. 1  
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Rio Arriba County, New Mexico

4/21/82 Swabbed Gallup in w/tubing landed @ top of Gallup. Flowed tanks as follows:

1st hour - 67 Bbls total fluid  
2nd hour - 39 Bbls total fluid Casing 100 PSI  
3rd hour - 20 Bbls total fluid  
4th hour - 20 Bbls total fluid Casing 350 PSI

Continued flowing remainder of day. Made total of 216 Bbls liquid, 164 Bbls of which was oil. Casing pressure 280 PSIG @ 5:00 PM. Left flowing to tank. Overnight made 37 Bbls total, 17 Bbls of water, 20 Bbls of oil. Casing pressure 250 PSIG. Preparing to kill well.

4/22/82 Drilled out Hawco bridge plug and tripped out w/bit. TIH w/saw-tooth collar and seating nipple 1 joint off bottom to hang off and button up wellhead w/tubing @ 5530' KB. SDON.

4/23/82 Well dead. Rig up to swab. Swab 80 Bbls. Well kicked off flowing overnight. Made 208 Bbls in 17 hours. RDMO. (81 Bbls fluid in one frac tank, some oil, some water, not separated. 14 Bbls oil in 2nd frac tank.)

