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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103
Supersedes Old
C-102 and C-103
Effective 1-1-85

5a. Indicate Type of Lease
State Fee

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-	7. Unit Agreement Name
2. Name of Operator Merrion Oil & Gas Corporation	8. Farm or Lease Name Chapman A
3. Address of Operator P. O. Box 1017, Farmington, New Mexico 87401	9. Well No. 1
4. Location of Well UNIT LETTER <u>F</u> <u>1790</u> FEET FROM THE <u>North</u> LINE AND <u>1830</u> FEET FROM THE <u>West</u> LINE, SECTION <u>29</u> TOWNSHIP <u>23N</u> RANGE <u>6W</u> NMPM.	10. Field and Pool, or Wildcat
15. Elevation (Show whether DF, RT, GR, etc.) 7105' G.L., 7118' K.B.	12. County Sandoval

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input type="checkbox"/>	OTHER <u>Completion</u> <input checked="" type="checkbox"/>

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 [Signature] TITLE Operations Manager DATE 5/5/82

Original Signed by FRANK T. CHAVEZ

SUPERVISOR DISTRICT 3

APPROVED BY _____ TITLE _____ DATE MAY 6 1982

CONDITIONS OF APPROVAL, IF ANY:

MERRION OIL & GAS CORPORATION

Chapman A No. 1
 Sec. 29, T23N, R6W
 Sandoval County, New Mexico

- 4/4/82 Move in, rig up Young Rig No. 3. Drilled 12-1/4" hole to 217' KB. Ran 5 joints new 8-5/8", 20#/ft. (203 ft.) surface casing set @ 217' KB, and cemented w/170 sx Class 'B' 2% CACL₂. Waiting on cement.
- 4/5/82 Drilling @ 2625'. Mud wt. 9, Vis. 38, Water loss 6.8.
- 4/6/82 Drilling @ 3515'. Mud wt. 9.0. Vis 36, Water Loss 6.4.
- 4/7/82 Drilling @ 4450'. Mud wt. 9.0. Vis. 38. Water Loss 6.
- 4/8/82 Drilling @ 4823'. Mud wt. 9. Vis. 38. Water Loss 6.
- 4/9/82 Drilling @ 5350 KB.
- 4/10/82 TD @ 5750' KB. Conditioning hole.
- 4/11/82 Trip out for logs. Rig up Dresser Atlas. Log stopped @ 1150'. Trip in w/drill pipe and punched out bridge. Went to 2200'. Trip out. Ran to bottom w/logs. Found bottom 25' deep to drillers TD. Anticipate this is logger error. Ran IES Induction and Compensated Neutron - Density Logs. Rig down loggers and start in hole w/drill pipe.
- 4/12/82 Casing: Donovan 4.5 10.5 #/ft. LT&C Benmit tested to 4400 PSI. Total pipe on location 164 joints 6875.25' (threads off).

Guideshoe	1	5745.05' KB
1 Shoe joint	41.76'	5705.29' KB
Float Collar	1.68'	5703.61' KB
27 joints 4.5 10.5 #/ft		
Casing	1127.14'	4576.47' KB
Stage Tool	1.68'	4574.79. KB
110 joints 4.5 10.5 #/ft.		
Casing	<u>4615.94'</u>	41.15' above KB
Total string length	5789.2'	

(27 joints of pipe to transfer to Theodore Zink No. 1.)

Cement job in 2 stages:

1st Stage - Dowell - Pump 10 Bbls water ahead of cement.
 Pump 225 sx Class H 2% D-20. Yield 1.34 cu. ft/sx.
 Drop plug and displace. Drop bomb to open stage tool. Circulate 3 hours from plug down.

2nd Stage - Dowell - Pump 10 Bbls water ahead of cement.
 Pump 700 sx Class B 2% D-79. Yield 2.06 Cu. ft/sx.
 Tail in w/100 sx Class H 2% D-20. Yield 1.34 cu. ft/sx and displace.

- 4/13/82 Wilson Service Company ran temperature survey. Found PBTD @ 4556'. Top of cement @ 50 ft.

MERRION OIL & GAS CORPORATION

CHAPMAN A No. 1

Sec. 29, T23N, R6W
Sandoval County, New Mexico

- 4/24/82 Move in, rig up Bayless Rig No. 3. Pick up bit and scraper and trip into stage tool @ 4575' KB. SDON.
- 4/25/82 Drill out stage tool and pressure test, OK. Clean out to float collar @ 5700' KB and pressure test, OK. SDOWE.
- 4/26/82 Shut down.
- 4/27/82 Tubing w/bit and casing scraper @ PBTD 5700'. Western rolled the hole w/10 Bbls gel plug and loaded the hole w/2% KCL water w/1 gal/1000 Aquaflow. Pull up to 5660' KB and spot 250 gal. 15% HCL w/1 gal/1000 Aquaflow. Pull tubing and rig up loggers. Ran Gamma Ray Correlation Log from PBTD 5700' KB to 3500' KB. Run Cement Bond Log from PBTD 5700' KB to 4500' KB. Perforate as follows: 10 holes @ 5567' - 5577' KB, 1/ft., 10 holes @ 5576' - 5586' KB, 1/ft. 4 holes @ 5641' - 5645' KB, 1/ft. Trip in w/straddle packers and break perfs down in 3 settings. 1st set: 4 holes @ 5641 - 5645' KB, pump in @ 2000. ISDP 1400 PSI. 2nd set: 10 holes @ 5576 - 5586' KB, pump in @ 800 PSI. ISDP 500 PSI. 3rd set: 10 holes @ 5567' - 5577' KB, pump in @ 900 PSI. ISDP 500 PSI. Pull 10 stands. SDON.
- 4/28/82 Blow well down w/nitrogen. Trip out w/tubing. Rig up Western and foam fraced 1st Stage Gallup w/2% KCL water, 1 gal/1000 Aquaflow, 75 quality foam as follows:

11,000 Gal.	Foam Pad
5,000 Gal.	1/2 #/gal. 20/40 sand
5,000 Gal.	1 #/gal. 20/40 sand
20,000 Gal.	2 #/gal. 20/40 sand
15,000 Gal.	3 #/gal. 20/40 sand
3,620 Gal.	Foam flush

Total Sand 90,000 Lbs. 20/40 sand.

Total N₂ 1,234,486 SCF

Total Water 355 Bbls

Avg. rate 30 BPM. ISDP 2600 PSI down to 2300 PSI in 10 minutes.

Shut in for two hours, blew back on 3/8" choke.

Put into frac tank overnight. Made 78 Bbls total fluid in 13 hours.

Preparing to kill well.

Set Model C retrievable bridge plug on the tubing @ 5535' KB.

Roll the hole w/frac fluid and spot 250 gal. 15% HCL and trip

out. Perforate w/Bluejet per Gamma-Ray Correlation Log as follows:

7 holes from 5383' KB to 5395' KB. 5 holes from 5398' to 5406' KB.

2 holes @ 5413' and 5414' KB. 7 holes from 5499' to 5511' KB.

3 holes from 5520' to 5524' KB. Trip in w/straddle packers and

break down perfs w/rig pump. Bottom 3 holes @ 5520' to 5524' KB -

pump in @ 800 PSI. No ISDP. 7 holes 5500' to 5512' KB - pump in

@ 800 PSI. No ISDP. 7 holes from 5398' to 5414' KB. Pump in

@ 2400 PSI. ISDP 1,000. Last set 7 holes from 5383' to 5395' KB.

Pump in @ 1,000 PSI. ISDP 300 PSI.

MERRION OIL & GAS CORPORATION

CHAPMAN A No. 1

Sec. 29, T23N, R6W
Sandoval County, New Mexico

4/30/82 Rig up Western Co., unload hole w/N₂. Trip out of hole w/tubing. Fraced 2nd Stage as follows:

2% KCL, 1 gal/1000 Aquaflow, 75 Quality foam.

11,000 Gal.	Foam Pad
5,000 Gal.	1/2 #/gal 20/40 sand
5,000 Gal.	1 #/gal 20/40 sand
20,000 Gal.	2 #/gal 20/40 sand
15,000 Gal.	3 #/gal 20/40 sand
8,500 Gal.	3-1/2 #/gal sand
3,502 Gal.	Flush

Total Sand 120,500 Lbs. 20/40 sand

Total N₂ 1,328,000

Total H₂O 401 Bbls

Avg. pressure 3500 PSIG. Avg. Rate 30 BPM.

ISDP 2600 PSIG. Down to 2300 PSIG in 15 minutes.

Shut in for 2 hours. Opened on 3/8" choke. Blew down and put into to overnight.

Made 70 Bbls total fluid overnight. Flowing pressure 50 PSIG on 3/8" choke. Sample showed 80% water, 20% oil. Preparing to kill well.

5/1/82 Well made 70 Bbls fluid to frac tank overnight. Sample this morning showed approximately 80% H₂O, 20% oil @ 50 PSI. (SSD)

Set bridge plug @ 5340'. Pressure test. Rolled hole and spotted acid @ 5308' KB. Pulled tubing and perforated 3rd Stage as follows:
5131 - 37' KB - 6' - 4 holes. 5178 - 80' KB - 2' - 2 holes.
5184 - 92' KB - 8' - 5 holes. 5224 - 26' KB - 2' - 2 holes. 5254 - 60' KB - 6' - 4 holes. 5272 - 80' KB - 8' - 5 holes. Total 22 holes.

Perforators had a misfire on run No. 1 and did not perforate 2 holes on prognosis @ 5157' and 5159' KB. Well started kicking and unloaded the hole on the last gun run. Western pumped 90 Bbls to kill the well enough to get the gun out of the hole. Pulled the gun and the well unloaded again blowing gas and misting water. Steve decided not to try and perforate the last 2 holes @ 5157' and 5159' KB. Steve also decided not to run straddle packers. Wait on 500 Gal 15% HCL acid from town.

MERRION OIL & GAS CORPORATION

CHAPMAN A No. 1

Sec. 29, T23N, R6W
Sandoval County, New Mexico

5/1/82 Spearhead 500 gal. 15% HCL acid and start frac as follows: w/2% KCL wat
1 gal/1000 Aquafloam foam quality 75%.

11,000 Gal.	Foam Pad
5,000 Gal.	1/2 #/gal 20/40 sand
5,000 Gal.	1 #/gal 20/40 sand
20,000 Gal.	2 #/gal 20/40 sand
15,000 Gal.	3 #/gal 20/40 sand
7,000 Gal.	4 #/gal 20/40 sand
3,338 Gal.	Foam Flush

Total Foam	66,338 Gal.
Total Sand	120,500 Lbs 20/40 sand
Total Water	16,585 gal.
Total N ₂	1,334,221 SCF
Avg. Rate	30 BPM foam.

Shut in 2 hours and flow back through 3/8" choke. Put flow to frac tank and left flowing overnight.

5/2/82 Well made 25 Bbls in 7 hours flowing 75 PSI through 3/8" choke. Remove choke. Flowing 25 PSI thru 2" line. 90% water. Trip in w/hydrostatic bailer and pull bridge plug out of hole. Leave well open. SDOWE.
5/3/82 AM. 327 Bbls over weekend.

(CCM)

Well made 327 Bbls over weekend. 245 Bbls oil and 82 Bbls water. Trip in and clean out 70' of sand w/hydrostatic tool. Trip out of hole and trip back in w/saw tooth collar, seating nipple one joint off bottom. Flange up wellhead tubing @ 5130' KB. Swabbed 42 Bbls oil and well started flowing. Made 32 Bbls in 1 hour. Well open to production tank overnight. SDON.

(CCM)