

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-103
Revised 10-1-73

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DISTRIBUTION	
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USE	
LAND OFFICE	
OPERATOR	

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.
(SEE APPLICATION FOR PERMIT ON FORM C-1011 FOR SUCH PROPOSALS.)

1. ☐ OIL WELL ☒ GAS WELL ☐ OTHER	7. Unit Agreement Name
2. Name of Operator Merrion Oil & Gas Corporation	8. Farm or Lease Name Carnahan Com
3. Address of Operator P. O. Box 1017, Farmington, New Mexico 87499	9. Well No. 2
4. Location of Well UNIT LETTER <u>P</u> <u>1090</u> FEET FROM THE <u>South</u> LINE AND <u>1070</u> FEET FROM <u>East</u> LINE, SECTION <u>35</u> TOWNSHIP <u>30N</u> RANGE <u>12W</u> NMPM.	10. Field and Pool, or Wildcat Basin Dakota
11. Elevation (Show whether DF, RT, GR, etc.) 5905' GR	12. County San Juan

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data
NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF:

STAFFED REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPNS. ☐	PLUG AND ABANDONMENT ☐
PLUG AND ALTER CASING ☐	OTHER ☐	CASING TEST AND CEMENT JOB ☐	

13. Details of Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) (SEE RULE 103.)

Pressure test casing to 2000 PSI, held OK.

ID 1070' KB - 6/24/84
TSTD 1070' KB.

Well history attached.

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AUG 07 1984

OIL CON. DIV.
DIST. 3

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 8/6/84

Original Signed by FRANK T. CHAVEZ

SUPERVISOR DISTRICT #1

AUG 07 1984

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF _____ IF ANY:

MERRION OIL & GAS CORPORATION

Carnahan Com No. 2
Sec. 35, T30N, R12W
San Juan County, New Mexico

7/20/84 Day No. 1. Move in, rig up Spartan Well Servicing. Nipple up BOPs. Pick up 3-7/8" rock bit, casing scraper, 98 joints of 2-3/8" tubing. Tag stage tool @ 3244' KB with 28' of last joint out. Pressure test to 2000 PSI, OK. Drill out DV tool. Trip in to second stage tool. Tag DV tool with 145 joints in hole. 4 ft. stickup @ 4838' KB. Drill out second stage tool and pressure test to 2000 PSI, OK. Trip in to bottom. Clean out 20 ft. of fill. Circulate clean. Shut down overnight. (SSD)
7/21/84 Day No. 2. Wait on new companion flange. Install new flange, nipple up BOPs. Pressure test to 4000 PSI for 10 minutes, OK. Rig up Western. Roll hole with 10 Bbl gel plug. Load hole with treated water. Spot 250 gal 15% HCL, 1 gal/1000 Aquaflow across perfs. Trip out. Rig up Pengo, run Gamma Ray-Correlation Log from 6745' KB (Loggers depth-Open Hole), 6735' tubing tally to 5650' KB, and 4850 - 3600' KB. Perforated Dakota with 3-1/8" select fire as follows: 6714, 6710, 6705, 6700, 6632, 6629, 6625, 6620, 6617, 6541, 6538, 6529, total 12 holes, 0.32" diameter, per Density Log. Rig up straddle packers. Trip in. Set across perfs 6700 - 6714'. Western broke down. Breakdown pressure - 2100 PSI. Obtained 5 BPM @ 400 PSI with water. ISIP 1500 PSI. Set across perfs 6617 - 6632'. Breakdown @ 1600 PSI. Obtained 5.75 BPM @ 4000 PSI, ISIP 900 PSI. Set across perfs 6541 - 6529'. Breakdown @ 1250 PSI. Obtained 5.75 BPM @ 4000 PSI, ISIP 900 PSI. Released packers. Pulled above perfs. Shut down. (SSD)
7/22/84 Day No. 3. Rig up Western. Dropped packers below perfs and unloaded hole with N2. Trip out. Foam frac Dakota with 75 Quality foam 2% KCL, 1 gal/1000 Aquaflow as follows:

18,000 Gal.	1 #/gal. 20/40 sand
55,000 Gal.	1 #/gal. 20/40 sand
2,570 Gal.	50 Quality Foam Flush

Screened out.

Average Rate - 20 BPM.

Average Pressure - 4000 PSI.

Total - 55,000 Lbs. 20/40 sand.

Information - 53,000 Lbs. 20/40 sand.

Total H2O - 434 Bbls.

Total N2 - 1,700,198 SCF.

Shut in 1 hour. Opened on 5/8" positive flow choke to reserve pit. Left blowing. Shut down.

7/23/84 Day No. 4. Rig shut down. Well blowing to pit thru choke. This AM measured 56 ounces pressure out 2" line after removing choke. Calculated rate 1,150 MCF/day. Light mist of oil, no water. Preparing to clean out. (SSD)

7/24/84 Day No. 5. Kill well with water. Trip in with saw tooth collar and seating nipple 1 joint off bottom. Tag sand fill @ 6585' KB. Reversed out 150 ft. of frac sand to 6735' KB. Pulled to top perf and landed tubing @ 6530' KB with 196 joints in the hole. Nipple down BOPs and flanged up wellhead. Rig up to swab. Started swabbing @ 1:30 PM. Swabbed to 5:00 PM. Total fluid recovered - 70 Bbls. Casing on vacuum. Pulling gas cut water. Well not flowing. Left open to tank overnight. (SSD)

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OIL CON. DIV.
DIST. 3

HERRION OIL & GAS CORPORATION

Carnahan Com No. 2
Sec. 35, T30N, R12W
San Juan County, New Mexico

6/16/84 Day No. 1. TD 230. Current operation working on cement. Set 5 joints of 8-5/8" OD #7H. surface casing 9 230' KB with 170 ex (250.2 cu. ft.) Class B cement. Circulated 17 Bbls. by surface.
6/17/84 Day No. 2. TD 1810. Current operation drilling. Mud wt. 8.6, Water Loss 10.9. Surveys: 727' - 1, 1287' - 1, 1457' - 1/2.

6/18/84 Day No. 3. TD 2630. Current operation drilling. Mud wt. 8.6, Vis. 28, Water Loss 11.5. Surveys: 2231' - 3/4, 2521' - 5/4.

6/19/84 Day No. 4. TD 3513. Current operation drilling. Mud wt. 8.6, Vis. 29, Water Loss 11. Surveys: 3231' - 1.

6/20/84 Day No. 5. TD 4395. Current operation drilling. Mud wt. 8.7, Vis. 32, Water Loss 10. Surveys: 3798' - 1, 4300' - 1/4.

6/21/84 Day No. 6. TD 5098. Current operation tripping for bit. Mud wt. 8.8, Vis. 30, Water Loss 12.4. Survey: 4740' - 1.

6/22/84 Day No. 7. TD 5730. Current operation drilling. Mud wt. 8.9, Vis. 31, Water Loss 12.8. Survey: 5269' - 1/4.

6/23/84 Day No. 8. TD 6350. Current operation drilling. Mud wt. 9, Vis. 40. Water Loss 1.2. Survey: 5772' - 1/4, 6270' - 3/4.

Daily est. cost: \$7,400.00. Cum. est. cost: \$73,851.00.

6/24/84 Day No. 9. TD 6670. Current operation drilling. Mud wt. 9, Vis. 60, Water Loss 10.

Daily est. cost: \$5,130.00. Cum. est. cost: \$78,981.00.

6/25/84 TD 6781. Current operation preparing to run casing. Rig up Welex. Ran IES Induction and Compensated Density Neutron Logs. Rig down Welex. Prepare to run 4-1/2" casing.

6/26/84 Drillers TD 6780' KB.
Loggers TD 6794' KB.
Casing TD 6778' KB. Set @ 6777' KB.

Item	Length	Depth, KB
Guideshoe	.80	6777
#1 joint, Shoejoint	39.23	
Differential Fill Float Collar	1.72	6735 PBTD
#2 - 49, 48 joints 4.5" casing	1895.63	
#2 Stage Tool	1.74	4838
#3 - 89, 40 joints 4.5" casing	1591.69	
#3 Stage Tool	1.74	3244
#9 - 171, 82 joints 4.5" casing	<u>3256.92</u>	
Total String	6789.48	

Ran total of 171 joints 4.5" casing, 6783.47' of pipe.

Long String casing and cement in 3 stages as follows:

1st Stage: Pump 10 Bbls of water ahead of 325 ex Class H cement with 2% gel, yield 1.22 cu. ft/sk, density 15.4 #/gal. 71 Bbls of slurry (376.5 cu. ft.). Shut down, wash up pump and lines. Dropped plug and displaced with 28 Bbls water, 79 Bbls mud. Total displacement 107 Bbls. Bled pressure off. Float held good. Dropped bomb, opened stage tool @ 4838' KB and circulate 4 hours from plug down. 1st plug down @ 11:15 AM.

2nd Stage: 3:15 PM. Pump 10 Bbls water ahead of 400 ex Class H cement with 2% gel, 1.22 cu. ft/sk, 15.4 #/gal. 87 Bbls slurry. (488 cu. ft.) Shut down wash pump and lines. Dropped plug and displaced with 24 Bbls water, 53 Bbls mud. Plug down @ 3:45 PM. Bled pressure off. Float held. Dropped bomb and opened stage tool @ 3244' KB and circulated between stages.

3rd Stage: 7:45 PM. Pumped 10 Bbls water ahead of 600 ex Class B with 2% chemical extender. 2.06 cu. ft/sk, 12.5 #/gal. 220 Bbls slurry. (1236 cu. ft.) Tail in with 100 ex Class H with 2% gel. 1.22 cu. ft/sk, 15.4 #/gal. 22 Bbls slurry. Shut down, wash up. Dropped plug and displaced with 51 Bbls water. Released pressure. Plug held good. Rigged down Dowell, Set slips as required. Out of casing. Rigged down Four Corners Rig 10. (CCHB)

Hilton Service Company ran Temperature Survey. Set 100% of cement @ 100%. PBTD 3244'.