

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE
(Other instructions on reverse side)

Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL

SF-080384

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Sullivan

9. WELL NO.

#9

10. FIELD AND POOL, OR WILDCAT

Basin Fruitland Coal

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Sec 15, T26N, R12W

12. COUNTY OR PARISH

San Juan

13. STATE

NM

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—" for such proposals)

1. OIL WELL ☐ GAS WELL ☒ OTHER ☐
2. NAME OF OPERATOR
Merrion Oil & Gas Corporation
3. ADDRESS OF OPERATOR
P. O. Box 840, Farmington, NM 87499
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface
NESW 1850' FSL & 1840' FWL
14. PERMIT NO.
15. ELEVATIONS (Show whether DF, RT, OR, etc.)
6109' GL

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANE

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT*

(Other)

Statement of Intent

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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.)*

Attached is a drilling and completion history on the subject well for your review. Also attached, is a Cement Bond Log showing the top of the cement to be at 790'. The well is currently shut-in, and we plan to leave it shut-in unless other wells in the area prove to be economic. If it appears that this well will be economic, we will submit a plan to squeeze the casing and turn this well to production for your review at a future date. If it does not appear that this well can be economic, based on the performance of the offsets, we plan to plug and abandon the well. Again, any plan will be submitted to you for approval by the end of 1991.

RECEIVED

MAR 11 1991

OIL CON. DIV.
DIST. 3

APPROVED

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

SIGNED

George F. Sharpe

TITLE Engineer

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

cc: 5 BLM, Pmg
1 Well File
1 OCD/w log

*See Instructions on Reverse Side

SULLIVAN NO.9

August 27, 1990 Pre-spud

Summary: Location construction complete. (CCM)

On Report

September 5, 1990 Day No. 1

Current Operation: Nipple up BOPs.

Detail: MIRU Salazar Rig #4. Drill 9-3/4" hole to 135' GL. POH. Ran 128' of 7", 8rd, 20#/ ft csg. Cemented w/ 60 sx Cl "B" cement w/ 2% CaCl displaced w/ 4 Bbls water. Bottom of csg set @ 135' KB. Circulated 4 Bbls cement to surface. SWI. SDON. (CCM)

September 6, 1990 Day No. 2

TD: 300' KB

Current Operation: Drilling.

Detail: Nippled up Annular and Blind Ram BOPs. Pressure test csg and stack to 700 psi for 30 min, held good. Drilled from 135' to 300'. SDON. (CCM)

September 7, 1990 Day No. 3

TD: 840'

Current Operation: Drilling

Detail: TIH w/ bit #3. Drilled from 300' - 840'. POH. SWI. SDON. (CCM)

September 8, 1990 Day No. 4

TD: 1370'

Current Operation: LDDP & DC.

Detail: TIH w/Bit #4. drilled from 840' - 1370' KB. Circ on bttm. Mix mud to 40 visc, 8.0 WL, 9.1#/ gal. Condition hole. POH w/ DP & DC. SWI. SDON. (CCM)

SULLIVAN NO.9

September 9, 1990

Day No. 5

TD: 1370'

Current Operation: Waiting on Completion.

Detail: TIH. Circ 30 min. POH. LDDP & DC. 12:00 noon, RU logger and ran Formation Density/GR and Dual Induction SFR/ GR in 2 runs. ND BOPs. RU csg crew and ran new 4.5", 10.5#/ ft csg.

<u>Item</u>	<u>Length</u>	<u>Depth</u>
4.5" cement nose guideshoe	.60	1363'
1 jt 4.5" csg	40.30	
Insert float collar	00.00	1322.10'
33 jts. 4.5" 10.5#/ ft csg	<u>1327.99'</u>	
	1368.89' total string	

Circ the last jt dn w/ rig. RU cementers. Mixed and pumped 85 sx cl "G" cement w/ 2% D-79, 2.06 cu ft/ sk, density 12.6#/ gal. Tail w/ 55 sx class "G", 2% gel, 1.31 cu ft/ sk, density 15.0#/ gal. SD. Washed pump and lines. Displace w/ 21.1 Bbls water. Lost circ w/ 5 Bbls gone. Bumped plug, float held good. Called for temp survey. Set csg in slips. SDOWE. (CCM)

September 10, 1990

Day No. 6

Temperature Survey: TOC @ 800' GL. PBTD: 1325' GL.

September 12, 1990

WOCT. (SSD)

September 19, 1990

Summary: Ran GR-Bond Log & perfd 1st stage coal zone.

DETAIL: RU Petro WL. Ran GR-Correlation, CBL, VDL collar log from 1320' GL to 700' GL. TOC @ 790' GL. Perfd 1st stage coal 1' at 1240' gl, 2' at 1249'-51' GL. Main coal 18' at 1264'-82' GL per Open Hole Density Log 2 JSPF (42 total holes - .45" diameter). SWI. Waiting on frac. (CCM)

September 20, 1990

Preparing to Frac. (CCM)

SULLIVAN NO. 9

September 21, 1990

Day No. 7

Summary: Frac coal in 2 stages w/ x-link gelled water w/ 76,400 lb sand.

Detail: RU D.S. to ball-off and frac. First stage coal. Ran 44 balls in 12 bbls of 7.5% HCl acid. Balled off perms to 2800 psi. Some good breaks throughout. RU Wireline and ran junk basket, retrieved all balls w/ 28 hits. Frac First stage w/ 10,374 gal pad, 25 BPM, 1523 psi, 2058 gal 40-70 sand. Ramp frac from 1# 20-40 sand to 6# 20-40 sand. Total sand = 46,850 lbs. Total gelled fluid = 662.8 bbls. Avg rate 25 bpm, avg press 1000 psi, max press 1566 psi, ISIP 571 psi.

RU Petro Wireline. Ran Schlumberger Wireline. Set retrievable BP @ 1220 GL. Press test 3000 psi. Perforate upper coals per OH density log, 34 holes as follows: 995'-997', 1077', 1079'-1081', 1093', 1125'-1127', 1155', 1158', 1163'-1165', 1166'-1168', 1171'-1173', 1197' for 17' total, .48" diameter holes. Dumped 5 gals sand dn csg, pumped it to top perf. SD, wait 15 min for sand to fall. Balled off upper zone w/ 50 ball sealers in 12 bbls of 7.5% HCl. Got breaks from 2800 psi to 2100 psi. Flowed back wireline, ran junk basket and caught 12 balls all w/ hits.

Frac 2nd stage w/ 7854 gal gel pad, 1722 gal of 40-70 sand. Ramp frac through 4#/ gal 20-40 sand for 20,600 lbs sand, then pumped 2184 gal @ 6#/ gal sand, 8950 lbs @ 6#/ gal. Flush w/ water 2 bbls from top perf. Shut down. Avg rate 25 BPM, max press 3000 psi, avg press 2200 psi. Total sand 29,550 lbs, 470 bbls total clean fluid. ISIP 801 psi. SDON. (CCM)

SULLIVAN NO. 9

September 22, 1990

Day No. 8

Detail: Csg press tstm. Opened well, flowing out csg 1" stream of water, making .7 Bbls/ hr 25-50% sand. MIRU J.C. Well Service. ND frac valves. NU wellhead & BOPs. Well still flowing @ same rate after 5 hrs. Left open to pit overnight. All fluid well broken gel w/ sand. (CCM)

SULLIVAN NO.9

September 23, 1990

Day No. 9

Summary: Clean out sand. retrieve plug. Swab test.

Detail: Tally and RIH w/ retrieving head and tbg. Tag sand @ 1130'. Clean out sand to RBP (found RBP down hole @ 1271', 50' deeper than originally set.) POH. TIH w/ sawtooth collar. Clean out sand from 1285' to PBD @ 1322'. Circ hole clean. Pull up to 1220'. Swab well. Made 6 runs. Swabbed fluid level down to 950'. Made 12 runs. Recovered @ 250' fluid per run @ 12 Bbl fluid. Wait 30 min, fluid entry @ 600'. Total fluid recovered 25 Bbls. Avg 6 runs/ hr @ 250' fl/ run @ 6 Bbl/ hr. Leave well open to pit. SDON. (ARM)

September 25, 1990

Day No. 10

Summary: Land tbg, swab well.

Detail: Check pressures: tbg, 0; csg, slight blow but not enough pressure to gauge. FL first run 650'. RIH w/ tbg. Check for fill, no fill. Pull up, land tbg. ND BOP. NU wellhead. RUTS. Swab well, fluid stabilized @ 375'. One hr test made 12 runs. Recovered 18 Bbls. Continue swabbing. Total fluid recovered this day, 92 Bbls. Csg pressure slowly built to 110 psi (5:00 pm). Fluid water, small amount of sand, no gas. (CCM)

Production String:	Sawtooth collar	.45
	1 jt 2-3/8"	31.50
	1 2-3/8" SN	1.10
	39 jts 2-3/8"	1239.80
	1 2-3/8" SUB	<u>12.15</u>
	Total	1285.00
Tubing Landed:	1' above KB	
	TD	1284.00

SULLIVAN NO. 9

September 26, 1990

Day No. 11

Summary: Ran 1.75" tbg pump and 3/4" rod string. RDMO J.C. Well Service.

Detail: Csg 160 psi, tbg dead. Started swabbing. Initial FL 641' from surface. Made 6 runs, fluid stable @ 440' KB. Bled gas off of csg. POH w/ pumping string. TIH w/ tbg pump string. Ran rods and plunger. RDMO. (CCM)

1 tail jt	31.50'	
tbg pump Bbl	13.00'	1.75" bore
39 jts	<u>1239.80'</u>	
	1284.30'	Total string

Pump plunger

Ran 49	3/4" rods, used
6'	3/4" pony rod
4'	3/4" pony rod
16'	1-1/4" polish rod w/8' polish rod liner

OFF REPORT

September 27, 1990

Summary: Waiting on completion. (CCM)