

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-105
Revised 1-1-89

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

Submit to Appropriate
District Office -
State Lease - 6 copies
Fee Lease - 5 copies
DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL API NO. 30-045-28512
5. Indicate Type of Lease STATE ☐ FEE ☒
6. State Oil & Gas Lease No.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG									
1a. Type of Well: OIL WELL ☐ GAS WELL ☐ DRY ☒ OTHER ☐					7. Lease Name or Unit Agreement Name Santa Fe 20				
b. Type of Completion: NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DEEP RESVR ☐					8. Well No. 5				
2. Name of Operator MERRION OIL & GAS CORPORATION					9. Pool name or Wildcat Snake-Eyes <i>GA/np</i>				
3. Address of Operator P. O. Box 840, Farmington, NM 87499									
4. Well Location Unit Letter <u>A</u> : <u>1150</u> Feet From The <u>North</u> Line and <u>720</u> Feet From The <u>East</u> Line Section <u>20</u> Township <u>21N</u> Range <u>8W</u> NMPM <u>San Juan</u> County									
10. Date Spudded 3/3/1/91	11. Date T.D. Reached 4/8/91	12. Date Compl. (Ready to Prod.) Dry Hole - Shut-In	13. Elevations (DF& RKB, RT, GR, etc.) 6576' GR, 6589' KB	14. Elev. Casinghead					
15. Total Depth 5720' KB	16. Plug Back T.D. 2450' KB	17. If Multiple Compl. How Many Zones?	18. Intervals Drilled By Rotary Tools 0-5720'	Cable Tools					
19. Producing Interval(s), of this completion - Top, Bottom, Name None								20. Was Directional Survey Made No	
21. Type Electric and Other Logs Run IES Induction, FDCL								22. Was Well Cored yes	
23. CASING RECORD (Report all strings set in well)									
CASING SIZE	WEIGHT LB/FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD			AMOUNT PULLED		
9-5/8"	40#	244' 258' KB	12-1/4"	150 sx G w/ 2% CaCl ₂ , 1/4#/sk celloflake					
5-1/2"	14#	3800' KB	8-3/4"	1) 355 sx B 50% & 50% lite poz-6 w/ 2% D-20, 10% D-44, 7% D-112			884		
				2) 270 sx G w/ 2% D-79, 175 sx G 2/50/50 Poz					
				87 sx G neat					
24. LINER RECORD									
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	25. TUBING RECORD				
					SIZE	DEPTH SET	PACKER SET		
26. Perforation record (interval, size, and number)									
1288-94' Mesaverde	3464-68'	3670-73'	Gallup	27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.					
1572-82' 2 SPF	3598'	3687-89'	2 SPF	DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED					
1852-82' 68 total	3602'	3718-22'	44 total	3464'-3744' Frac 33,500 gal 70% N ₂ foam &					
1902-12'	3610-15'	3742-44'		50,000 # 20/40 sand					
28. PRODUCTION									
Date First Production Dry Hole		Production Method (Flowing, gas lift, pumping - Size and type pump) N/A				Well Status (Prod. or Shut-in) Shut-In			
Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio		
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (Corr.)			
29. Disposition of Gas (Sold, used for fuel, vented, etc.)							Test Witnessed By		
30. List Attachments Slope Tests, Wellbore Schematic									
31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief									
Signature <i>Steven S. Dunn</i>			Printed Name Steven S. Dunn		Title Operations Mgr		Date 7/17/91		

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 25 through 29 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

Northwestern New Mexico

T. Anhy _____	T. Canyon _____	T. Ojo Alamo _____	T. Penn. "B" _____
T. Salt _____	T. Strawn _____	T. Kirtland-Fruitland _____	T. Penn. "C" _____
B. Salt _____	T. Atoka _____	T. Pictured Cliffs surface	T. Penn. "D" _____
T. Yates _____	T. Miss _____	T. Cliff House _____	T. Leadville _____
T. 7 Rivers _____	T. Devonian _____	T. Menefee _____	T. Madison _____
T. Queen _____	T. Silurian _____	T. Point Lookout 2456'	T. Elbert _____
T. Grayburg _____	T. Montoya _____	T. Mancos 2583'	T. McCracken _____
T. San Andres _____	T. Simpson _____	T. Gallup 3223'	T. Ignacio Otzte _____
T. Glorieta _____	T. McKee _____	Base Greenhorn _____	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota 4630'	T. _____
T. Blinebry _____	T. Gr. Wash _____	T. Morrison 4710'	T. _____
T. Tubb _____	T. Delaware Sand _____	T. Todilto 5641'	T. _____
T. Drinkard _____	T. Bone Springs _____	T. Entrada 5622'	T. _____
T. Abo _____	T. _____	T. Wingate _____	T. _____
T. Wolfcamp _____	T. _____	T. Chinle _____	T. _____
T. Penn _____	T. _____	T. Permian _____	T. _____
T. Cisco (Bough C) _____	T. _____	T. Penn "A" _____	T. _____

OIL OR GAS SANDS OR ZONES

No. 1, from.....to.....
No. 2, from.....to.....
No. 3, from.....to.....
No. 4, from.....to.....

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from to feet.....
 No. 2, from to feet.....
 No. 3, from to feet.....

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness in Feet	Lithology

From	To	Thickness in Feet	Lithology

WELL: SANTA FE 20-5

WELLBORE SCHEMATIC

MERRION OIL AND GAS CORP.

ENG: G.F.S DRFT: M.E.G.

DATE: 7-17-91

LOCATION:

1150' FNL & 720' FEL
SEC. 20, T21N, R8W
SAN JUAN COUNTY, N.M.

ELEVATION

GL: 6576'
KB: 6589'

FORMATION TOPS:

PICTURED CLIFFS - SURFACE
PT LOOKOUT - 2456'
MANCOS - 2583'
GALLUP - 3223'
DAKOTA - 4630'
MORRISON - 4710'
TODILTO - 5641'
ENTRADA - 5622'

PERFORATIONS

1288-94' 2JSPF
1574-82' 2JSPF
1852-60' 2JSPF
1909-12' 2JSPF
3464-68, 3597.5, 3601.5,
3610-15, 3670.73, 3687-89,
3718-22, 3742-44

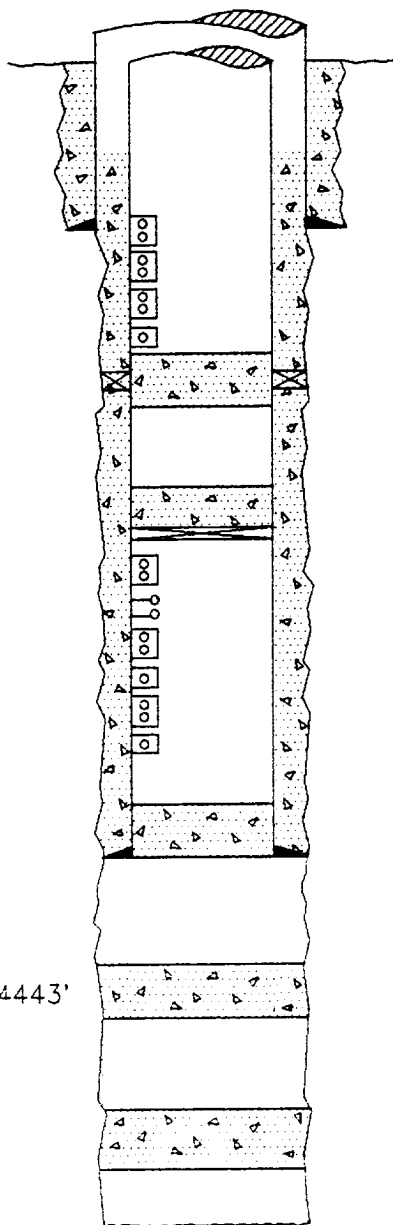
STIMULATION

FRAC GALLUP W/33500 GAL
70% N₂ FOAM & 50,000#
20/40 SAND

OPEN HOLE PLUGS

135 SX G W/2% CaCl 4781'-4443'
ACROSS MORRISON-DAKOTA

50 SX NEAT G 5672'-5572'
ACROSS ENTRADA



CASING PLUGS

25 SX B 2450'-2628'
10 SX B 3288'-3400'
CIBP @ 3400'

SURFACE CASING:

HOLE SIZE: 12 1/4"
CSG SIZE: 9 5/8", 40#/FT.
DEPTH: 258
CMT DETAILS: 150 SX G W/2%
CaCl, 1/4#/SK CELLOFLAKE

TOC: SURFACE
BY: CIRCULATE

PRODUCTION CASING:

HOLE SIZE: 8 3/4"
CSG SIZE: 5 1/2", 14 #/FT
DEPTH: 3800'
CMT DETAILS:
1ST STAGE: 355 SX 50% B &
50% LITE Poz-6 W/2% D-20,
10% D-44, 0.7% D112
2ND STAGE: DV TOOL @ 2578'
270 SX G W/2% D-79, 175
SX G W/50/50 Poz, 85 SX
NEAT G

TOC: 100'
BY: TEMP SURVEY

DEPTHS

PBTD: 3754'
PROPOSED PBTD: 3780'
TD: 5720'

CAPACITIES:

CSG:

BBL/FT

.0244

FT/BBL

40.98

FT3/FT

.1370