

Submit 3 Copies
to Appropriate
District Office

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-103
Revised 1-1-89

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

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

WELL API NO. 30-045-22291
5. Indicate Type of Lease STATE ☐ FEE ☒
6. 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. Type of Well: OIL WELL ☒ GAS WELL ☐ OTHER ☐	7. Lease Name or Unit Agreement Name Santa Fe H 20 (17343)
2. Name of Operator Merrion Oil & Gas Corporation (014634)	8. Well No. 1
3. Address of Operator P. O. Box 840, Farmington, NM 87499 (505) 327-9801	9. Pool name or Wildcat Snake Eyes Entrada (57440)
4. Well Location Unit Letter <u>G</u> : <u>1800</u> Feet From The <u>north</u> Line and <u>2110</u> Feet From The <u>east</u> Line Section <u>20</u> Township <u>21N</u> Range <u>8W</u> NMPM San Juan County	
10. Elevation (Show whether DF, RKB, RT, GR, etc.) 6567' GL	

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data	
NOTICE OF INTENTION TO: PERFORM REMEDIAL WORK ☐ TEMPORARILY ABANDON ☐ PULL OR ALTER CASING ☐ OTHER: <u>OIL CON. DIV.</u> ☐	SUBSEQUENT REPORT OF: REMEDIAL WORK ☐ ALTERING CASING ☐ COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐ CASING TEST AND CEMENT JOB ☐ OTHER: <u>Directional survey & Drlg Report</u> ☒

12. 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.

As requested, attached is the vertical well directional survey for the above subject well.

8-23-95 MIRU Pride Well Service on 8/23/95, drilling equipment. Ran 2-1/2" swab mandrel inside 2-7/8", PH-6, N80 hydril work string. POH with tubing.

8-24-95 Ran 7" gauge ring to 5244'. Set 7" CIBP @ 5228'. TIH with whipstock. Run directional survey and Gyro. Set whipstock @ 73°. Mill 2' starter hole. Trip for window mill. Mill 5' of window.

*** CONTINUED OTHER SIDE ***

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

SIGNATURE Steven S. Dunn TITLE Operations Manager DATE 8/30/95
TYPE OR PRINT NAME _____ TELEPHONE NO. _____

(This space for State Use)

APPROVED BY ORIGINAL SIGNED BY ERNIE BUSCH TITLE DEPUTY OIL & GAS INSPECTOR, DIST. #3 DATE SEP - 8 1995
CONDITIONS OF APPROVAL, IF ANY:

- 8-25-95 RIH with watermelon mill. Mill window from 5214' to 5225' KB. Drill 4' of formation. Circulate clean. POH.
- 8-26-95 Drilling at 5570' MD. Footage 344' in 17-3/4 hrs. Bit #1: Reed 6-1/8" EHP, Serial # DM 9758. Survey 5530', 65.4°, Angle 51°, TVD at 5485', Coord 75.4' north, 87.9' east. BHA 2° BH motor with 1° BS.
- 8-27-95 Footage 99' in 12-1/4 hrs. Bit #2: Reed 6-1/8", EHP53 RR. Trip for bit. Trip for motor at report time. Survey: 5641' MD, Angle 66.64°, Azimuth 77.15°, TVD 5541.4', VS 201.4', Latitude 103.5' north, Departure 179' east.
- 8-28-95 RIH with new motor, Bit #3, Reed 6-1/8", EHP-53, wash to bottom. Drill 98' in 13-1/2 hrs. Circulate, short trip. POH to run 4-1/2" liner. Todilto top at 5750' MD; 5578' TVD. (Prognosed at 5585' TVD, 7' lower).

SCIENTIFIC DRILLING INTERNATIONAL
MIDLAND, TEXAS

Keeper Survey
for

PETROLEUM DEVELOPMENT CORP.
ROSWELL, NEW MEXICO

Job Number : 32K0895356
Well Number : SANTA FE 20-H NO. 1
Site Location : SAN JUAN COUNTY, NEW MEXICO
Latitude : 36.083
Survey Date(s) : 24-AUG-1995
S.D.I. Engineer : GARY DESPAIN
Calculation Method : Minimum Curvature
Survey Depth Zero : RKB
Proposal Direction : 70.000
Depth Unit : Feet

Comments :

Inrun Survey
PETROLEUM DEVELOPMENT CORP.

Well number : SANTA FE 20-H NO. 1

Date : 24-AUG-1995

Measured Depth	Vertical Depth	Vert. Section	Inc Deg	Azimuth Deg	Coordinates Latitude Departure		D-leg /100ft
-----	-----	-----	-----	-----	-----	-----	-----
0.0	0.00	0.0	0.00	0.00	0.00	0.00	0.00
100.0	100.00	0.0	0.35	346.00	0.30	-0.07	0.35
200.0	200.00	-0.1	0.38	319.79	0.85	-0.36	0.17
300.0	300.00	-0.4	0.34	214.34	0.85	-0.74	0.57
400.0	399.99	-1.0	0.43	218.48	0.32	-1.14	0.09
500.0	499.99	-1.5	0.40	207.50	-0.28	-1.54	0.09
600.0	599.99	-2.0	0.48	197.34	-0.99	-1.82	0.11
700.0	699.99	-2.6	0.48	201.74	-1.78	-2.10	0.03
800.0	799.98	-3.1	0.45	197.33	-2.54	-2.37	0.04
900.0	899.98	-3.7	0.54	207.26	-3.33	-2.70	0.13
1000.0	999.97	-4.3	0.36	211.36	-4.01	-3.08	0.18
1100.0	1099.97	-4.9	0.45	261.09	-4.34	-3.63	0.35
1200.0	1199.97	-5.9	0.74	270.21	-4.40	-4.67	0.31
1300.0	1299.95	-7.3	1.02	275.55	-4.32	-6.20	0.29
1400.0	1399.94	-8.9	1.00	269.49	-4.24	-7.96	0.11
1500.0	1499.92	-10.8	1.17	260.66	-4.41	-9.84	0.24
1600.0	1599.90	-12.7	1.10	254.80	-4.83	-11.77	0.13
1700.0	1699.88	-14.7	1.15	251.22	-5.40	-13.65	0.08
1800.0	1799.86	-16.7	1.18	236.95	-6.29	-15.46	0.29
1900.0	1899.84	-18.8	1.28	235.88	-7.48	-17.25	0.10
2000.0	1999.81	-20.9	1.22	237.28	-8.68	-19.07	0.07
2100.0	2099.79	-23.1	1.34	235.61	-9.92	-20.93	0.13
2200.0	2199.76	-25.3	1.30	237.02	-11.19	-22.85	0.06
2300.0	2299.74	-27.5	1.33	235.52	-12.47	-24.75	0.05
2400.0	2399.71	-29.7	1.24	242.91	-13.62	-26.67	0.19
2500.0	2499.69	-31.7	1.09	245.79	-14.50	-28.50	0.16
2600.0	2599.68	-33.4	0.78	240.55	-15.22	-29.96	0.32
2700.0	2699.67	-34.7	0.82	244.12	-15.87	-31.20	0.07
2800.0	2799.66	-36.2	0.81	255.02	-16.37	-32.53	0.16
2900.0	2899.65	-37.4	0.92	298.61	-16.17	-33.92	0.65
3000.0	2999.63	-38.4	1.20	313.84	-15.06	-35.38	0.40
3100.0	3099.60	-39.2	1.45	326.33	-13.28	-36.83	0.38
3200.0	3199.57	-39.7	1.60	329.76	-11.03	-38.23	0.18
3300.0	3299.52	-40.2	1.84	332.74	-8.39	-39.67	0.25
3400.0	3399.47	-40.6	1.87	332.07	-5.53	-41.17	0.03
3500.0	3499.41	-41.0	1.96	333.09	-2.57	-42.71	0.10
3600.0	3599.36	-41.4	1.90	332.95	0.44	-44.24	0.06
3700.0	3699.31	-41.8	1.69	334.71	3.25	-45.62	0.22
3800.0	3799.27	-41.9	1.54	337.78	5.82	-46.76	0.17

Inrun Survey
PETROLEUM DEVELOPMENT CORP.

Well number : SANTA FE 20-H NO. 1

Date : 24-AUG-1995

Measured Depth	Vertical Depth	Vert. Section	Inc Deg	Azimuth Deg	Coordinates		D-leg /100ft
-----	-----	-----	-----	-----	Latitude	Departure	-----
3900.0	3899.23	-42.1	1.61	337.30	8.36	-47.81	0.07
4000.0	3999.19	-42.2	1.68	335.74	11.00	-48.95	0.08
4100.0	4099.14	-42.2	1.91	344.53	13.94	-50.00	0.36
4200.0	4199.08	-41.9	2.04	347.06	17.28	-50.84	0.16
4300.0	4299.02	-41.3	2.02	351.29	20.76	-51.51	0.15
4400.0	4398.97	-40.4	1.44	7.97	23.74	-51.60	0.76
4500.0	4498.95	-39.1	1.14	23.69	25.90	-51.03	0.46
4600.0	4598.93	-37.7	1.10	23.83	27.69	-50.24	0.04
4700.0	4698.91	-36.6	0.73	31.78	29.11	-49.51	0.39
4800.0	4798.91	-35.7	0.65	16.63	30.20	-49.02	0.20
4900.0	4898.90	-34.8	0.69	58.08	31.06	-48.34	0.48
5000.0	4998.89	-33.6	0.71	63.52	31.65	-47.28	0.07
5100.0	5098.89	-32.6	0.51	47.23	32.23	-46.39	0.26
5169.0	5167.88	-32.1	0.46	109.33	32.35	-45.91	0.73
5228.0	5226.88	-31.6	0.56	83.65	32.31	-45.39	0.42

At Bottom Hole Location: Measured Depth	Horiz. Displ.	Closure Dir.
= 5228.0	= 55.717	= 305.439