

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. 30 031 20879
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. V 82-3
7. Lease Name or Unit Agreement Name Zia
8. Well No. 1
9. Pool name or Wildcat

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 <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER	
2. Name of Operator Merrion Oil & Gas Corporaiton	
3. Address of Operator P. O. Box 840, Farmington, N.M. 87499	
4. Well Location Unit Letter 0 : 990 Feet From The South Line and 1980 Feet From The East Line Section 2 Township 20N Range 6W NMPM McKinley County	
10. Elevation (Show whether DF, RKB, RT, GR, etc.) 6,935' KB	

11. 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"/>	REMEDIAL WORK <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>
OTHER: Test additional intervals <input checked="" type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
	CASING TEST AND CEMENT JOB <input type="checkbox"/>
	OTHER: <input type="checkbox"/>

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.

Merrion Oil & Gas plans to test some additional coal intervals in the Mesaverde in the subject well. Attached is a procedure for your approval.

RECEIVED
MAY 11 1990
OIL CON. DIV.
DIST. 3

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

SIGNATURE George F. Sharpe TITLE Reservoir Engineer DATE 5/10/90
TYPE OR PRINT NAME _____ TELEPHONE NO. _____

(This space for State Use)

APPROVED BY Original Signed by FRANK T. CHAVEZ TITLE SUPERVISOR DISTRICT 3 DATE MAY 12 1990

CONDITIONS OF APPROVAL, IF ANY:

RECEIVED
MAY 1 1950
OFF. COM. DIV.
Dist. 3

MAY 1 5 1950

RECEIVED MAY 1 1950

MERRION OIL & GAS CORPORATION

ZIA NO. 1

WORKOVER PROCEDURE

LOCATION: 990' FSL & 1980' FEL
Section 2, T20N, R6W
McKinley County, New Mexico

ELEVATION: 6935' KB
6922' GL

PREPARED BY: George F. Sharpe *AS*

DATE: 5/08/90

LOWER COAL TEST

- 1) MIRU Ram. Hot oil rods and tubing. POOH with 2380' of 3/4" rods and pump. ND WH. NU BOPs. POOH with \pm 2410' of 2-3/8" tubing.
- 2) PU and RIH with 2-3/8" workstring open ended to CICR at 2515'. Circulate oil out of hole. Spot 60 sx cement plug (Class "G" with 1% CaCl) from 2515' to 1745'. Pull to 1700' and squeeze away \pm 8 bbl (TOC at 2145'). POOH. WOC.
- 3) RIH with 3-7/8" bit. Drill out cement and CICR. Clean out to PBSD at 3116'. Pressure test to 500 psi. Swab well down to 2500'. POOH.
- 4) RU Wireline. RIH with 3-3/8" casing guns and perf lower coals 2944'-46', 3003'-05', 3017'-19', 3038'-41', 3049'-51', 3060'-62' with 2 SPF (Induction Gamma Log, 5-9-85). POOH.
- 5) RIH with 3070' of 2-3/8" tubing. Swab well in and flow test. Depending on test performance, frac well with procedure supplied at later date. Flow back and test. If well won't flow, run rods and pump. RD MOL. Test for one week minimum.

MENEFEE SAND TEST

- 6) MIRU Ram. POOH with rods and pump. ND WH. NU BOPs. POOH with 2-3/8" tubing.
- 7) If lower coals performed poorly, set CICR at \pm 2520' and squeeze with 60 sx Class "G". If performed admirably, set 4-1/2" RBP at 2520'. Pressure test to 500#. Swab well down to 2000'. POOH. Drop 5 gal sand on top.
- 8) RU Wireline. RIH with 3-3/8" casing guns and perforate Menefee sand at 2482'-89' with 2 SPF (Induction Gamma Log, 5-9-85). POOH.
- 9) RIH with 4-1/2" packer on 2-7/8" tubing. Set packer at \pm 2400'. Frac well with procedure to be specified at a later date. Swab back to test. POOH with packer. RIH with tubing, pump, and rods. RD MOL. Pump test for one week minimum.

UPPER COAL TEST

- 10) MIRU Ram. POOH with rods and pump. ND WH. NU BOPs. POOH with 2-3/8" tubing.
- 11) If sand performed poorly, squeeze with 30 sx Class "G". If performed OK, RIH with RH and clean out to RBP at 2520'. Move to 2100' and set RBP. Pressure test to 3000 psi. Swab to 1500'. POOH. Dump 5 gal sand on top.
- 12) RU Wireline. RIH with 3-3/8" casing guns and perforate upper coals 1902'-04' and 1918'-22' with 2 SPF. POOH.
- 13) RIH with tubing and flow test. Swab if necessary. POOH with tubing. If inflow performance poor, frac with procedure to be specified at later date. If inflow good, RIH with 3-3/8" casing guns and perforate additional coals 1633'-37', 1799'-1801', 1868'-70', 1931'-34', 1962'-64', 2071'-74' with 2 SPF (Induction Gamma Log, 5-9-85).
- 14) RIH with tubing and swab in well. If won't flow, RIH with rods and pump. RD MOL. Test well for one week minimum.

FINAL COMPLETION

- 15) MIRU Ram. POOH with rods and pump. ND WH. NU BOPs. POOH with 2-3/8" tubing.
- 16) If upper coals tested bad, squeeze with 75 sx Class "G". WOC. Drill out cement and test casing to 500 psi. If upper coals tested good, proceed.
- 17) RIH with RH and clean out to RBP at 2100'. POOH. RIH with mud anchor, perforated sub, seating nipple, on 2-3/8" tubing and land as deep as possible. ND BOPs. NU WH. RIH with 1-1/4" pump on 3/4" rods. Space out and land. RD MOL. Return well to production.

GFS/eg

APPROVED: DATE: 5-10-90

Zia No. 1 Wellbore Schematic

GFS
5-7-90

Location: 990' FSL 1980' FEL

Sec 2, 20N, 6W

McKinley Co, NM

Elevation: 6935' KB
6922' GL

Proposed Upper Coals

1902-04

1918-22

Proposed Sand

2482-89

2 3/4" 4.7" Hg, 87 1/3
SN @ ± 2380'

1 1/4" rod pump on 3/4" rods

Proposed Lower Coals

2944-46

3003-05

3017-19

3033-41

3049-51

3060-62

Tops:

Ojo Alamo 273'

Fruitland 367'

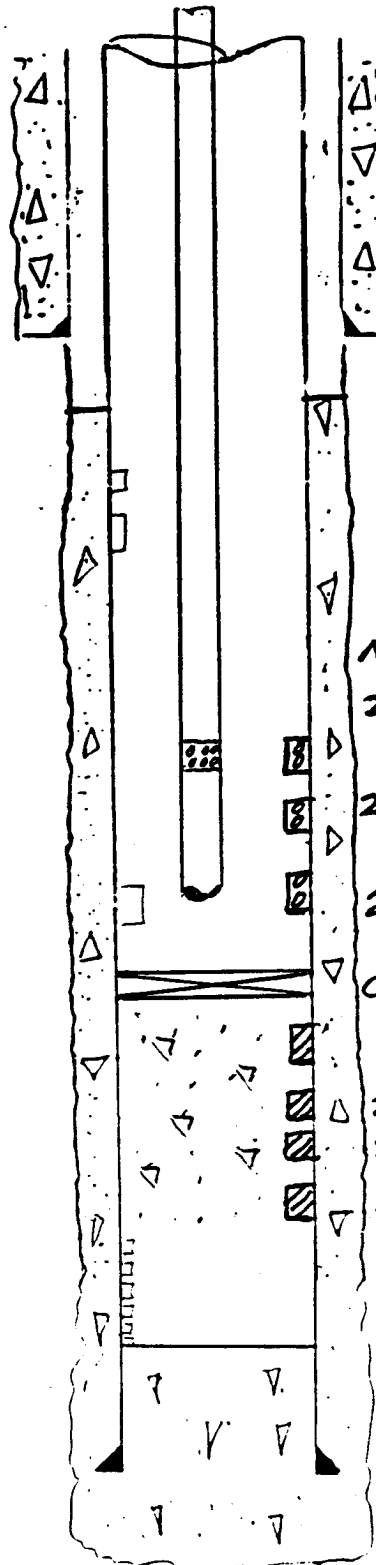
Pictured Cliffs 762'

Cliff House 1980'

Menefee 2155'

Point Lookout 3080'

Mancos 3190'



12 1/4" hole

8 5/8" 23# csq @ 93'
Cmt w/ 80sx Class B

6 3/4" hole

4 1/2" 10.5# csq @ 3159'
Cmt w/ 200sx B w/ 2% chem
ext & 100sx H w/ 2% gel

TOC @ 600'
Poor Bond 600'-1400'

Mesa Verde Perfs @ 4 SPF

2291-96
Swab 20% oil

2468-72
Swab 20% oil
Stim w/ Abrasajet

2482-89
Swab 100% oil

CICR @ 2515'

2542-48
Swab 100% wtr

2616-26 } 100% wtr

2635-39 } 100% wtr

2742-48
Swab 20% oil

Foam Frac
w/ 3000#
20/40 sand

Sq2 w/
75sx B
w/ 0.6% D-60
fluid loss
± 1% CaCl

PBTD: 3116'

TD: 3167'

4 1/2" capacity: .0895 ft³/ft
.0159 Bbl/ft