

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240DISTRICT II
P.O. Drawer DD, Artesia, NM 88210DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION

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

WELL API NO. 30-045-22531
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Santa Fe 20 (7840)
8. Well No. 2
9. Pool name or Wildcat SWD; Morrison Bluff Entrada
10. Elevation (Show whether DF, RKB, RT, GR, etc.) 6568' GR

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 type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SWD
2. Name of Operator Merrion Oil & Gas Corporation (014634)
3. Address of Operator 610 Reilly Avenue, Farmington, NM 87401-2634
4. Well Location Unit Letter F : 2150 Feet From The north Line and 1980 Feet From The west Line Section 20 Township 21N Range 08W NMPM San Juan County
10. Elevation (Show whether DF, RKB, RT, GR, etc.) 6568' GR

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☒ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐
CASING TEST AND CEMENT JOB ☐
OTHER: ☐

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 Corporation plans to repair the above referenced well to allow continued operation of the horizontal producing well. The producing well cannot operate without the injection well, and the NMOCDD has required that remedial work be done on the injection well. Attached is the procedure to do the work.

RECEIVED
AUG - 9 1996
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 Connie Dinning TITLE Engineer DATE 8/8/96
TYPE OR PRINT NAME TELEPHONE NO.

(This space for State Use)

APPROVED BY Johnny Robinson TITLE DEPUTY OIL & GAS INSPECTOR, DIST. #3 DATE AUG - 9 1996
CONDITIONS OF APPROVAL, IF ANY:

Merrion Oil & Gas Corporation
Casing/Tubing Communication Repair Procedure
August 5, 1996

Well:	Santa Fe 20 #2	Field:	Snake Eyes Entrada
Location:	2150' fnl & 1880' fwl (se nw) Sec. 20, T21N, R8W, NMPM San Juan County, New Mexico	Elevation:	6,410' GR 6,420' KB
		By:	Connie Dinning

Procedure:

Pressure Test Tubing/Packer

1. RIH w/ wireline and set blanking plug in permanent packer.
2. Pressure test tubing to 1,100 psi with injection pump.
3. If tubing holds pressure showing no communication with casing/tubing annulus, prepare to pull packer. If tubing does not hold pressure, prepare to pull tubing.
4. Flow tubing and casing to pit to relieve pressure.
5. MIRU pulling unit capable of pulling 4 1/2" tubing. (Note: Need adapter spool for BOPs to accommodate 7" casing X 4 1/2" casing, used as tubing for injection)

Repair Leak in Tubing

1. Release tubing from on/off tool and pressure up to 1,100 psi to test packer. If packer does not hold, reconnect to on/off tool and proceed with "Repair Packer Leak" below.
2. TOH w/ 4 1/2" injection tubing to look for leak.
3. If significant percentage of tubing is severely corroded, contact Piedra Supply for delivery of used 3 1/2" plastic lined tubing string.
4. RIH w/ tubing, circulate packer fluid.
5. Connect to on/off tool and pressure test annulus to 300 psi (Notify NMOCD to witness MIT).
6. RIH w/ wireline and pull plug in packer.
7. Put well back on to injection.

Repair Packer Leak

1. RU Wireline to pull blanking plug from packer. To release packer, pull 50,000 lb. over string weight to shear pin.
2. TOH w/ tubing and packer.
3. If significant percentage of tubing is severely corroded, contact Piedra Supply for delivery of new 3 1/2" plastic lined tubing string.
4. Replace packer and TIH w/ packer and on/off tool on tubing string.
5. Set packer @ 4,675' KB.
6. Pressure test casing/tubing annulus to 300 psi.
7. Release tubing from on/off tool and circulate packer fluid.
8. Connect to on/off tool and put well back on to injection. (Notify NMOCD to witness MIT)

Santa Fe 20 #2 SWD Wellbore Schematic

GFS

10-8-90

KB - 6550

Location:

2150' FNL 1980' FWL
Sec 20 T21N R8W
San Juan County, NM

Formation Tops

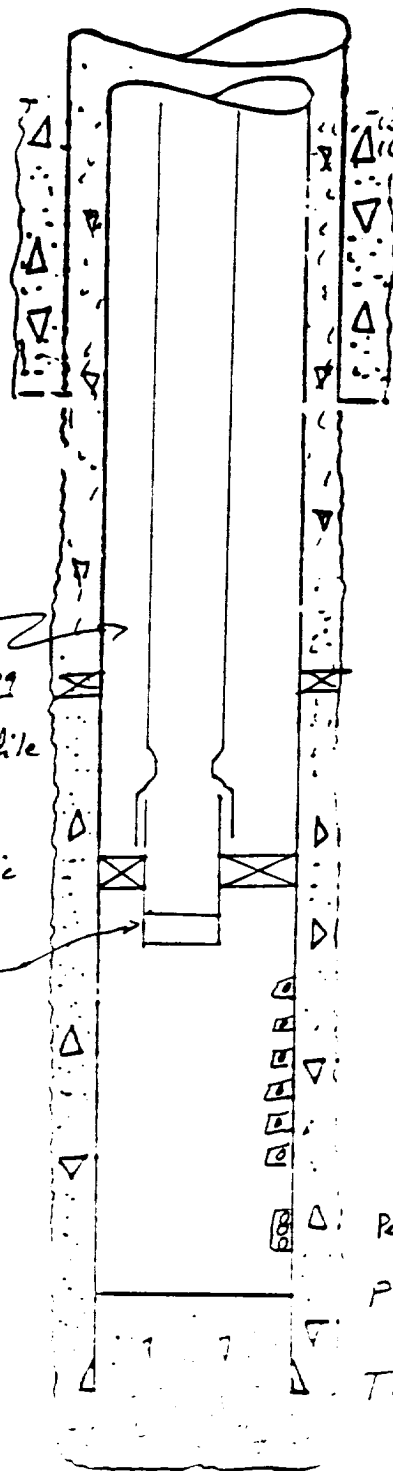
Point Lookout 2454
Gallup 3343
Dakota 4606
Morrison 4687
Entrada 5592

112 jts 4 1/2" 11.6# K-55 +bg

5 1/2" x 2.31" F" profile
Left Hand On-Off Tool

7" 47B FHL Hydrostatic
Rtr PKV @ 5715'

shear out plug
@ 4721'



13 1/4" hole

9 5/8" 36# @ 213'

Circ w/ 175 sx B - ~~6550~~
Circ to Surf

8 3/4" hole

7" 23# K-55 @ 5842'

1st Stage: 450 sx Halliburton light
w/ 10 # 1/2" g/l's, 3/4" CFR-2,
100 sx B w/ 10% salt
Circ to DV Tool

2nd Stage: DV Tool @ 3131'
550 sx Halliburton light
w/ 10 # 1/2" gilsonite,
100 sx B w/ 10% salt
Circ to Surf

Perforate w/ 25PF in Morrison
5078-5116, 5030-38, 4936-48,
4860-82, 4848-56, 4796-04

Acid w/ 1000 gal 7 1/2% HCL

Frack w/ 42000# 20-40

Perf Entrada 5756-5790 w/ 25PF
Acid w/ 1500 gal 7 1/2% HCL

PBTD 5802

TD 5849'

Capacities: 4 1/2" +bg : .0155 Bbl / ft

4 1/2" - 7" annulus : .0197 Bbl / ft

7" 23# csq : .0393 Bbl / ft