

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports on Wells

1. Type of Well
GAS

RECEIVED
SEP 20 1993

2. Name of Operator
MERIDIAN OIL

OIL CON. DIV
DIST. 3

3. Address & Phone No. of Operator
PO Box 4289, Farmington, NM 87499 (505) 326-9700

4. Location of Well, Footage, Sec., T, R, M
1460'FNL, 800'FWL Sec.31, T-27-N, R-9-W, NMPM

5. Lease Number
NM-01051
6. If Indian, All. or
Tribe Name
7. Unit Agreement Name
Huerfano Unit
8. Well Name & Number
Huerfano Unit #255
9. API Well No.
30-045-
10. Field and Pool
Angel Peak G1 Ext
11. County and State
San Juan Co, NM

12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA

Type of Submission

Type of Action

☒ Notice of Intent

☐ Abandonment

☐ Change of Plans

☒ Subsequent Report

☒ Recompletion

☐ New Construction

☐ Final Abandonment

☐ Plugging Back

☐ Non-Routine Fracturing

☐ Casing Repair

☐ Water Shut off

☐ Altering Casing

☐ Conversion to Injection

☐ Other -

13. Describe Proposed or Completed Operations

It is intended to plug the Gallup and recompleate this well in the
Fruitland coal formation per the attached procedure.

RECEIVED
BLM
03 JUL -1 PM 3:49
070 FARMINGTON, NM

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

Signed [Signature] (MP) Title Regulatory Affairs Date 7/1/93

(This space for Federal or State Office use)

APPROVED BY _____ Title _____

CONDITION OF APPROVAL, if any:

APPROVED
Date

SEP 14 1993
DISTRICT MANAGER

Huerfano Unit NP #255 FRTC
Recompletion Procedure
E 31 27 09
San Juan County, N.M.

1. Comply to all NMOC, BLM, & MOI rules & regulations. MOL and RU completion rig. NU 6" 900 series BOP with flow tee and stripping head. NU blooie line and 2-7/8" relief line.
2. Set blanking plug in S.N. of 2-3/8" tbg @ 5998' & pressure test to 3500 psi. TOH w/192 Jts 2-3/8" tbg.
3. Run guage ring on sand line to 5715' (50' above top GAL). TIH w/4-1/2" cmt ret on 2-3/8" tested tbg & set @ 5715'. Sting out of ret & pressure test to 500 psi. Sting back into ret, est rate, & sq w/ 52 sx Cl "B" cmt. This will fill GAL perfs & 4-1/2" csg to 50' above top Gallup w/100% excess cmt. PU & dump 5 sx cmt on top ret & reverse out. Spot hole w/ 31 bbl mud: 15# sodium bentonite w/non-fermenting polymer, 8.4# gal weight, & 40 qs vis or greater (this will fill hole to 3770'-50' below top MV).
4. PU to 3770' (50' below top MV) & spot 12 sx cmt. This will fill 4-1/2" csg from 3770' to 3670' (50' above top MV) w/50% excess cmt. TOH. Spot hole w/ 23 bbl mud: 15# sodium bentonite w/non-fermenting polymer, 8.4# gal weight, & 40 qs vis or greater (this will fill hole to 2225' which will be the new PSTD).
5. Set 4-1/2" top drillable BP @ 2225' on wireline.
6. Spot and fill 3 - 400 bbl. frac tanks with 2% KCL water. Filter all water to 25 microns. Two tanks are for gel & one tank for break down water. Usable water required for frac is 460 bbls.
7. RU wireline w/low pressure packoff & run GR-CBL-CCL from 2225' to 1000' and Comp. Neutron log from 2225' to 1500'. Apply 1000 psi if necessary to clarify bonding. Pressure test csg to 1000#.
8. Perforate using 3-1/8" hollow steel carrier guns loaded w/Owen HSC 13 gm. charges phased at 90 degrees & 4 spf. Avg. perf dia.= 0.48". Average penetration is 18" in Berea. The Production Engr Department will pick perfs at this time from logs. Approx. 40 total feet from about 2028'-2174'. Total 160 holes.
9. TIH with 4-1/2" Baker SAP tool on 2-3/8" tbg. Space packing elements @ 4 feet & breakdown perforations from 2028'-2174' w/10 gal. 7-1/2% HCL acid per foot pay. (1 gal/1000 corrosion inhibitor & 1 gal/1000 Clay Sta XP). Record breakdown pressures.
10. Run 4-1/2" pkr on 2-7/8" NU N-80 rental frac string & set @ 1900'. Fracture treat well down frac string with 64,000 gals. of 70 quality foam using 30# gel as the base fluid & 100,000# 20/40 Arizona sand. Pump at 35 BPM. Monitor bottomhole and surface treating pressures, rate, foam quality, & sand concentration with computer van. Sand to be tagged with 0.4 mCi/1000# Ir-192 tracer. Max. pressure is 5000 psi and

HUERFANO UNIT #255 - FRTC RECOMPLETION PROCEDURE
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estimated treating pressure is 4000 psi. Treat per the following schedule:

Stage	Foam Vol. (Gals.)	Gel Vol. (Gals.)	Sand Vol. (lbs.)
Pad	25,000	7,500	----
1.0 ppg	10,000	3,000	10,000
2.0 ppg	10,000	3,000	20,000
3.0 ppg	10,000	3,000	30,000
4.0 ppg	5,000	1,500	20,000
5.0 ppg	4,000	1,200	20,000
Flush	(3,140)	942	
Totals	64,000	19,200#	100,000#

Shut well in after frac for six hours in an attempt to obtain closure pressure and allow the gel to break.

Treat frac fluid with the following additives per 1000 gallons:

* 30# LGC8	(Gel)
* 3.0 gal. AQF2	(Non-ionic Surfactant)
* 1.0# GVW3	(Enzyme Breaker)
* 1.0# B-5	(Breaker)
* 0.35# BE6	(Bacteriacide)

11. Blow down well. TOH w/frac string and pkr.
12. TIH with 3-7/8" bit on 2-3/8" tbg and clean out to 2225' w/air-mist.
13. Monitor gas and water returns and take pitot gauges when possible.
14. When wellbore is sufficiently clean, TOH and run after frac gamma-ray log from 2225'-1500'.
15. TIH with 2-3/8" tbg with standard seating nipple one joint off bottom and again cleanout to 2225'. When wellbore is sufficiently clean, land tbg at 2100'KB. Take final water and gas samples & rates.
16. ND BOP and NU wellhead & tree. Rig down & release rig.

Approve: _____
J. A. Howieson

VENDORS:

Wireline:	Blue Jet	325-5584
Fracturing:	Howco	325-3575
RA Tagging:	Pro-Technics	326-7133

PMP