

2
submitted in lieu of Form 3160-5

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
BLM

Sundry Notices and Reports on Well ~~SEP-9 PM 2:19~~

070 FARMINGTON, NM

Lease Number
SF-080113

1. Type of Well
GAS

6. If Indian, All. or
Tribe Name

2. Name of Operator
MERIDIAN OIL

7. Unit Agreement Name

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

8. Well Name & Number
Hartman Com #4

4. Location of Well, Footage, Sec., T, R, M
1450' FNL, 790' FEL, Sec. 26, T-30-N, R-11-W, NMPM
H

9. API Well No.
30-045-26845

10. Field and Pool
Blanco Mesaverde

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

<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input checked="" type="checkbox"/> Other - Pay add	

13. Describe Proposed or Completed Operations

It is intended to add pay to the Mesaverde formation of the subject well according to the attached procedure and wellbore diagram.

RECEIVED
SEP 16 1996
OIL CON. DIV.
DIST. 3

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

Signed *Gregory J. Stachurski* (PMP2) Title Regulatory Administrator Date 9/4/96

(This space for Federal or State Office use)

APPROVED BY _____ Title _____

Date **APPROVED**

CONDITION OF APPROVAL, if any:

SEP 10 1996

DISTRICT MANAGER

NMOC

HARTMAN COM #4 MV
Workover Procedure
H 26 30 11
San Juan County, N.M.
Lat-Long: 36.786407 - 107.953720

1. Comply to all NMOCD, BLM, & MOI rules & regulations. MOL and RU completion rig. NU 6" 900 series BOP w/flow tee and stripping head. NU blooie line & 2-7/8" relief line.
2. TOH w/2-3/8" tbg. TIH w/4-1/2" csg scrapper & tbg tester on 2-3/8" tbg. Run to 4750' & test tbg to 3000 psi. TOH.
3. TIH w/4-1/2" ret BP on 2-3/8" tbg & set @ 4400'. Load hole w/1% KCL water. TOH. W/7" fullbore pkr @ 60' on 2-3/8" tbg pressue test csg to 3000 psi. TOH w/7" pkr. TIH w/BP retrieving tool & 4-1/2" pkr on 2-3/8" tbg. Reset ret BP @ 4750' & pkr @ 4730' & pressure test ret BP to 3000#. Spot 300 gal 15% HCL acid across Menefee (4702'-4306'). Use same additives in acid as the acid breakdown. TOH w/tbg & pkr.
4. MI wireline truck. Place 1 sx sand on ret BP @ 4750'. Perf additional Menefee @ 4306', 47', 49', 74', 81', 85', 4429', 31', 4557', 59', 70', 97', 99', 4631', 42', 44', 78' w/1 spf. Total 17 holes. (And 6 existing holes.) Perf w/select fire HSC gun using HSC-3125-302T 10 gr Owen jets which should give a 0.29" hole & 16.64" of penetration in concrete.
5. TIH w/4-1/2" fullbore pkr on 2-3/8" tbg & set @ 4100'. Breakdown & attempt to balloff Menefee perms w/1500 gal 15% HCL acid & 57 RCN 7/8" 1.3 sp gr perf balls. (1 gal/1000 corrosion inhibitor). Max. pressure is 4500 psi. Lower pkr to 4710' to knock off perf balls. TOH.
6. Spot & fill 14-400 bbl. frac tanks w/2% KCL water. Filter all water to 25 microns. Thirteen tanks are for fracing & one tank is for breakdown water. Usable water required for frac is 4653 bbls.
7. W/ 7" pkr on 2 jts 2-7/8" N-80 tbg @ 60' to protect wellhead, frac MV down 7" & 4-1/2" csg w/190,000 gals. of slick water & 150,000# 20/40 Arizona sand. Pump at 55 BPM. Sand to be tagged w/ 0.4 mCi/1000# Ir-192 tracer. Max. pressure is 3000 psi & estimated treating pressure is 2400 psi. Treat per the folowing schedule:

<u>Stage</u>	<u>Water (Gals.)</u>	<u>Sand Vol. (lbs.)</u>
Pad	40,000	—
0.5 ppg	20,000	10,000
1.0 ppg	110,000	110,000
1.5 ppg	20,000	30,000
Flush	(5,430)	0
Totals	190,000	150,000#

If well is on vaccum near end of frac job, cut flush as necessary to avoid overflushing & slow rate during flush. Frac with the following additives per 1000 gal frac fluid.

- * 3/4 Gal - FR-30 (Friction Reducer)
- * 1.0 gal. Flowback 20 (Surfactant)
- * 0.38# - Fracide (Bacteriacide)

8. TOH w/2-7/8" tbg & pkr. TIH w/retrieving tool on 2-3/8" tbg & C.O. Menefee w/air/mist to ret BP @ 4750'. Take pitot gauges when possible.

HARTMAN COM #4 MV - MENEFEE PAY ADD

9. When wellbore is sufficiently clean, retrieve BP @ 4750' & TOH.
10. TIH w/3-7/8" bit on 2-3/8" tbg & C.O. to PBTC5241' w/air/mist. Take pitot gauges when possible. When wellbore is sufficiently clean, TOH & run after frac gamma-ray log & Perf Eff. Log from 5241'-4000'.
11. TIH w/2-3/8" tbg w/standard seating nipple one joint off bottom & again cleanout to 5241'. Use expendable check if necessary. When wellbore is sufficiently clean, land tbg @ 4800' KB. Take final water & gas rates.
12. ND BOP & NU wellhead & tree. Rig down & release rig.

Orlando Walker, Jr.

Recommended: *[Signature]* ^{8/27/96} Approve: *PJBJ* ^{9/3}
Production Engineer Drilling Superintendent

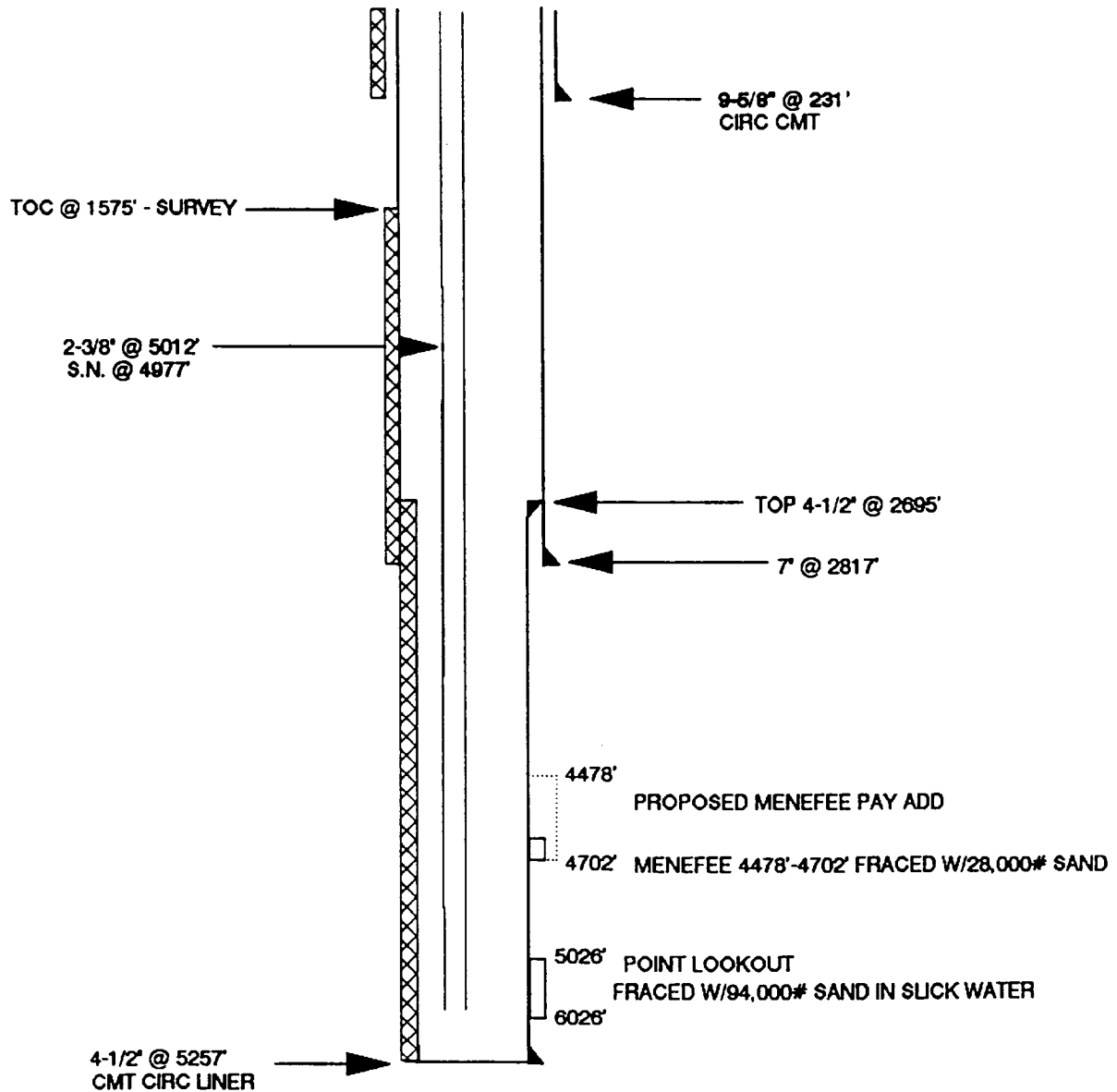
VENDORS:

Wireline	Basin	327-5244
Fracturing:	BJ	327-6222
RA Tag:	Pro-Technics	326-7133
Pkr & Ret BP	Schlum.	325-5096

PMP

HARTMAN COM #4 MV

UNIT H SECTION 26 T30N R11W
SAN JUAN COUNTY, NEW MEXICO



Pertinent Data Sheet - HARTMAN COM #4 MV

Location: 1450' FNL & 790' FEL, Unit H, Section 26, T30N, R11W, San Juan County, New Mexico

Field: Blanco Mesaverde

Elevation: 6046' GL
14' KB

TD: 5257'

PBTD: 5241'

Completed: 11-30-87

Spud Date: 11-5-87

DP #: 2672A

LEASE: Fed: SF 080113

GWl: 100%

NRI: 83.125%

Prop#: 071038600

Initial Potential: AOF=2658 MCF/D; Q=332 MCF/D; sicp=689 PSI

Casing Record:

<u>Hole Size</u>	<u>Csg Size</u>	<u>Wt. & Grade</u>	<u>Depth Set</u>	<u>Cement</u>	<u>Cmt Top</u>
12-1/4"	9-5/8"	32.3# H-40	231'	110 sx	Circ Cmt
8-3/4"	7"	20.0# K-55	2817'	310 sx	1575' - Survey
6-1/4"	4-1/2" liner	10.5# K-55	2695'-5257'	388 cf	Circ Liner

Tubing Record:

<u>Tbg. Size</u>	<u>Wt. & Grade</u>	<u>Depth Set</u>
2-3/8"	4.70# J-55 EUE	5012'
	S.N. @ 4977'	

Formation Tops:

Ojo Alamo	1090'		
Kirtland Shale	1193'		
Fruitland:	2172'	Mesaverde:	4027'
Pictured Cliffs:	2444'	Menefee:	4152'
Chacra	3240'	Point Lookout:	4751'

Logging Record: Induction, Neutron-Density, CBL

Stimulation: Perf Point Lookout w/24 holes (4768'-5026') & fraced w/94,000# sand in slick water. Perfed 6 holes in Menefee (4478', 83', 92', 4574', 82', 4702') & fraced w/18,000# sand in slick water.

Workover History: NONE

Production History: 1st delivered 1/21/88. Current MV capacity is 80 MCF/D. Cum is 369 MMCF.

Pipeline: EPNG