

submitted in lieu of Form 3160-5

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports on Wells

1. Type of Well

GAS

2. Name of Operator

MERIDIAN OIL

3. Address & Phone No. of Operator

PO Box 4289, Farmington, NM 87499 (505) 326-9700

4. Location of Well, Footage, Sec., T, R, M

1748' FNL, 1750' FEL Sec. 34, T-28-N, R-9-W, NMPM

5. Lease Number
SF-077111

6. If Indian, All. or
Tribe Name

7. Unit Agreement Name

8. Well Name & Number
Storey C 11

9. API Well No.

10. Field and Pool
S. Blanco PC/
Blanco MV

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 - pay add & commingle

13. Describe Proposed or Completed Operations

It is intended to open additional Mesa Verde pay and commingle the Mesa Verde and Pictured Cliffs formation in this dual well per the attached procedure and wellbore diagram. Application is being made to the New Mexico Oil Conservation Division for commingling.

RECEIVED
NOV 4 1993
OIL CON. DIV.
DIST. 3

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

Signed [Signature] (MP) Title Regulatory Affairs Date 10/20/93

(This space for Federal or State Office use)

APPROVED BY _____ Title _____

CONDITION OF APPROVAL, if any:

Date

NOV 02 1993

DISTRICT MANAGER

STOREY C #11 MV/PC
Recommended Procedure
Open Lower MV & Commingle w/PC
G 34 28 9

1. Comply to all NMOCD, BLM, & MOI, rules & regulations. MOL and RU completion rig. Blow well down. NU 7-1/16" 900 series BOP with flow tee and stripping head. Test operation of rams. NU blooie line and 2-7/8" relief line.
2. TOH W/ 99 Jts 1-1/4" tbg & lay down. Set blanking plug in 2-3/8" tbg in S.N. @ 5361' & pressure test to 2500 psi. TOH w/171 Jts 2-3/8" tbg & Baker EGJ pkr (@ 4883').
3. Run 4-3/4" bit on tested 2-3/8" tbg. Drill & C.O. to new PBTD of 5470' w/air mist. Spot 12 bbls 2% KCL water on bottom for logging.
4. MI Wireline Truck. Run dual spaced neutron log from 5470'-5000'. Correlate to open hole Electric log. Hot-shot logs to Production Engr Dept before perforating.
5. Perf Lower MV w/ 2 spf @ 5468', 53', 35', 34', 33', 32', 31', 30', 20', 09', 5399', 91', 78'. Total 26-0.33 holes. Perf w/Tolson jets.
6. Spot and fill 7 - 400 bbl. frac tanks with 2% KCL water. Filter all water to 25 microns. Six tanks for gel and one for breakdown. Usable water required for frac is 2,071 bbls.
7. Run 5-1/2" pkr on 3-1/2" 9.3# P-110 w/shaved collars (4.25" O.D. 2.992" I.D.) rental frac string & set @ 5370'. Breakdown & attempt to balloff w/2000 gal 15% HCL acid & 65 perf balls. Acid to contain 1 gal/1000 gals water of F75N (surfactant) & 10#/1000 of L58 (corrosion inhibitor). Maximum pressure = 4500 psi. Record breakdown pressures. Lower pkr to 5470' to knock off perf balls. Reset pkr @ 5370'.
8. W/backside open, fracture treat well down rental frac string with 85,000 gals. of 20# gel water and 60,000# Arizona sand. Pump at 40 BPM. Sand to be tagged with 0.4 mCi/1000# Ir-192 tracer. Max. pressure (@ 40 BPM) is 6000 psi and estimated treating pressure is 4000 psi. Frac string friction @ 40 BPM is 3490 psi. Treat per the following schedule:

<u>Stage</u>	<u>Liquid (Gals.)</u>	<u>Sand Vol. (lbs.)</u>
Pad	25,000	----
0.5 ppg	10,000	5,000
1.0 ppg	40,000	40,000
1.5 ppg	10,000	15,000
Flush	<u>(1,961)</u>	<u>----</u>
Totals	85,000	60,000#

Cut flush by 25-30% if frac gradient is less than static water.

STOREY C #11 MV/PC WORKOVER PROCEDURE
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Treat frac fluid with the following additives per 1000 gallons:

- * 4.6 gal J877 (Base 20# Guar Gel)
- * 1.0 gal. F75N (Non-ionic Surfactant)
- * 1.0# J134 (Enzyme Breaker)
- * 0.35# M275 (Bacteriacide)

9. Open well through choke manifold and monitor flow. Flow @ 20 bbl/hr, or less if sand is observed.
10. When well stops flowing, TOH w/frac string & pkr. TIH w/notched collar on 2-3/8" tbg & C.O. w/air/mist to 5470'. Take pitot gauges when possible.
11. When wellbore is sufficiently clean, TOH and run after frac gamma-ray log from 5470'-5000'.
12. TIH with 2-3/8" production tbg with standard seating nipple one joint off bottom. Land tbg @ 5350'. Again blow well clean. Take final pitot gauges, water & oil samples, and gas samples.
13. ND BOP and NU wellhead. Replace any bad valves on wellhead. Rig down & release rig.
14. Install wellhead compressor.

Approved: _____
J. A. Howieson

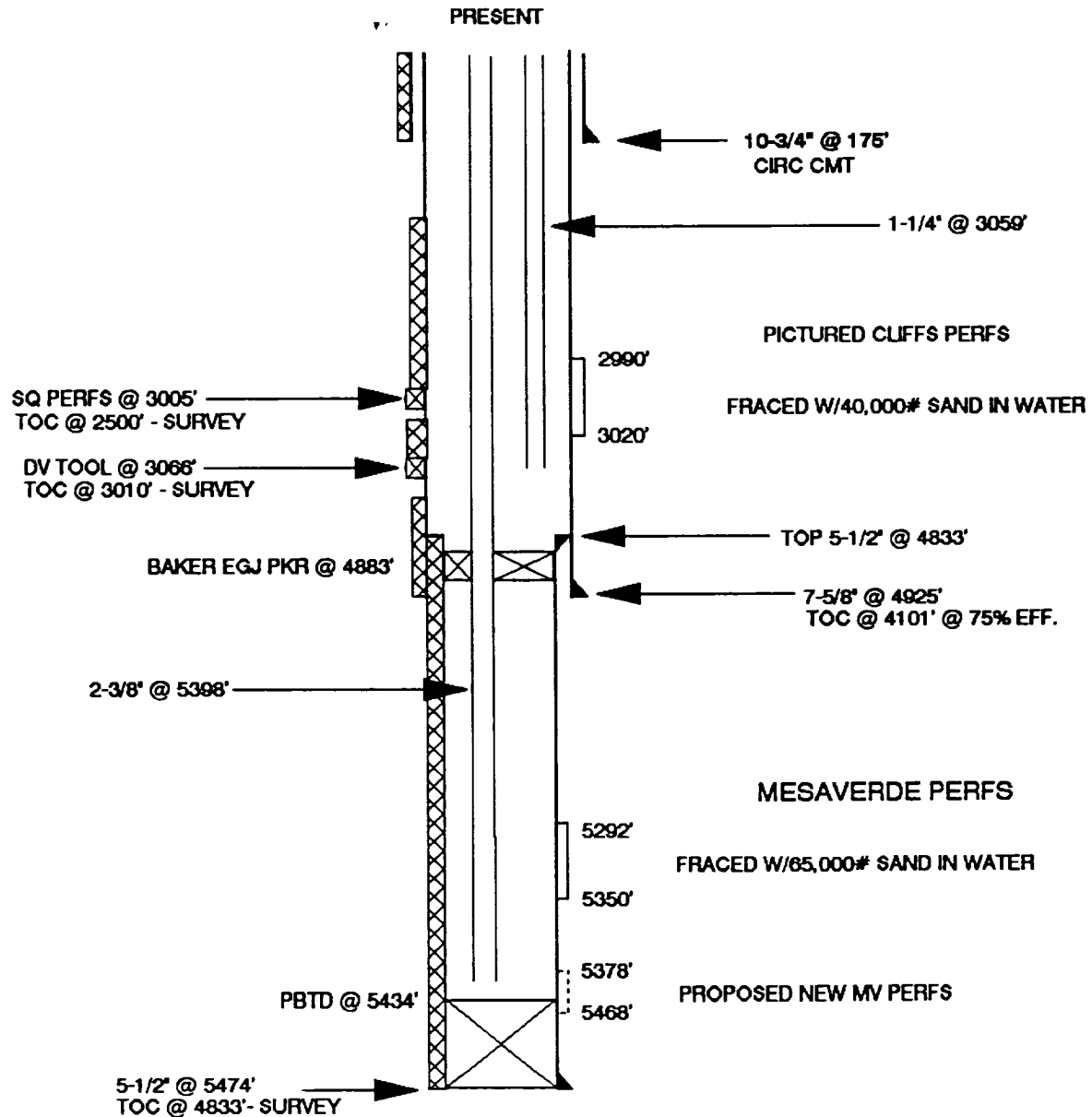
VENDORS:

Wireline:	Blue Jet	325-5584
Frac & Acid:	Dowell	325-5096
RA Tagging:	Pro-Technics	326-7133

PMP

STOREY C #11 MV/PC

UNIT G SECTION 34 T28N R9W
SAN JUAN COUNTY, NEW MEXICO



Pertinent Data Sheet - STOREY C #11 MV/PC

Location: 1748' FNL 1750' FEL SEC. 34 T28N R09W, SAN JUAN COUNTY, N.M.

Field: South Blanco Pictured Cliffs
Blanco Mesaverde

Elevation: 6824' TD: 5474'
10' KB PBTD: 5434'

LEASE: Federal SF-077111
DP#: PC=53612B MV=53612A
GWI: 86.50%
NRI: 71.36%

Completed: 6-6-58

Initial Potential:

PC: AOF=4015 MCF/D, Q=3474 MCF/D, SICP= 743 PSI
MV: AOF=5045 MCF/D, Q=3568 MCF/D, SICP= 994 PSI

Casing Record:

Hole Size	Csq. Size	Wt. & Grade	Depth Set	Cement	Top/Cmt
15"	10-3/4"	32.75# S.W.	175'	150 sx	Circ Cmt
9-7/8"	7-5/8"	26.4# J-55	4925'	200 sx	4101' @ 75% Eff.
		Stage Tool @ 3066'		150 sx*	2500' Survey
6-3/4"	5-1/2"	15.5# J-55	4833'-5474'	200 sx	4833' Survey

Tubing Record: 2-3/8" 4.7# J-55 5398' 171 Jts S.N. @ 5361'
Baker EGJ PKR @ 4883'
1-1/4" 2.4# J-55 3059' 99 Jts

Formation Tops:

Ojo Alamo	Undeveloped
Kirtland	2094'
Fruitland	2705'
Pictured Cliffs	2978'
Mesaverde	4620'
Menefee	4647'
Point Lookout	5248'
Mancos	5436'

Logging Record: Electric Log, Microlog, Log

Stimulation: *Initial survey showed TOC @ only 3010'. Perf 2 sq holes @ 3005' & sq w/150 sx. Resq w/ 80 sx cmt. Final survey has TOC @ 2500'.
Perf Point Lookout 5748'-70', 5292'-5312', 5338'-50' w/2 spf & fraced w/65,000# sand in water. Perf PC 2990'-3020' & fraced w/40,000# sand in water.

Workover History: None

Production History: First Delivery: PC=10-1-58 MV=11-1-58. Cummulative: PC=875 MMCF & 243 BO MV=1605 MMCF & 15,255 BO. Capacity w/o compression: PC=30 MCF/D MV=0 MCF/D. PC tbg pressure = 178 psi. PC csg pressure = 183 psi. Line Pressure = 140 psi. Bradenhead = 0 psi. MV tbg = 0 psi (blindplated).

Pipeline: EPNG

PMP