

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
800'FNL, 1500'FEL Sec.25, T-26-N, R-11-W, NMPM

5. Lease Number
SF-078937

6. If Indian, All. or
Tribe Name

7. Unit Agreement Name

8. Well Name & Number
P.L. Davis #2

9. API Well No.

10. Field and Pool
Gallegos Gallup

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 checked="" type="checkbox"/> Recompletion | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Final Abandonment | <input checked="" 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 Injectio |
| | <input type="checkbox"/> Other - | |

13. Describe Proposed or Completed Operations

It is intended to plugback the Dakota and recomplete this well in the Gallegos Gallup Associated Pool per the attached procedure.

RECEIVED
FEB 17 1994
OIL CON. DIV.
DIST. 3

RECEIVED
BLM
FEB -7 AM 9:50
OIL CON. DIV., NM

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

Signed [Signature] (MP) Title Regulatory Affairs Date 2/1/94

(This space for Federal or State Office use)
APPROVED BY _____ Title _____
CONDITION OF APPROVAL, if any:

APPROVED

FEB 07 1994

DISTRICT MANAGER

NMOCD

NEW MEXICO LAND CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

RECEIVED
BLM

Meridian Oil Inc.

P. L. DAVIS

(SF-078937) -7 AM 9:50

B

25

26-N

11-W

SAN JUAN COUNTY FARMINGTON, NM

800

NORTH

1500

EAST

6433

Gallup

Gallegos Associated

320.00

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease and different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, forced-pooling, etc?

☐ Yes ☐ No If answer is "Yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. Use reverse side of this form if necessary. _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.

CERTIFICATION

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

Peggy Bradfield

Regulatory Representative

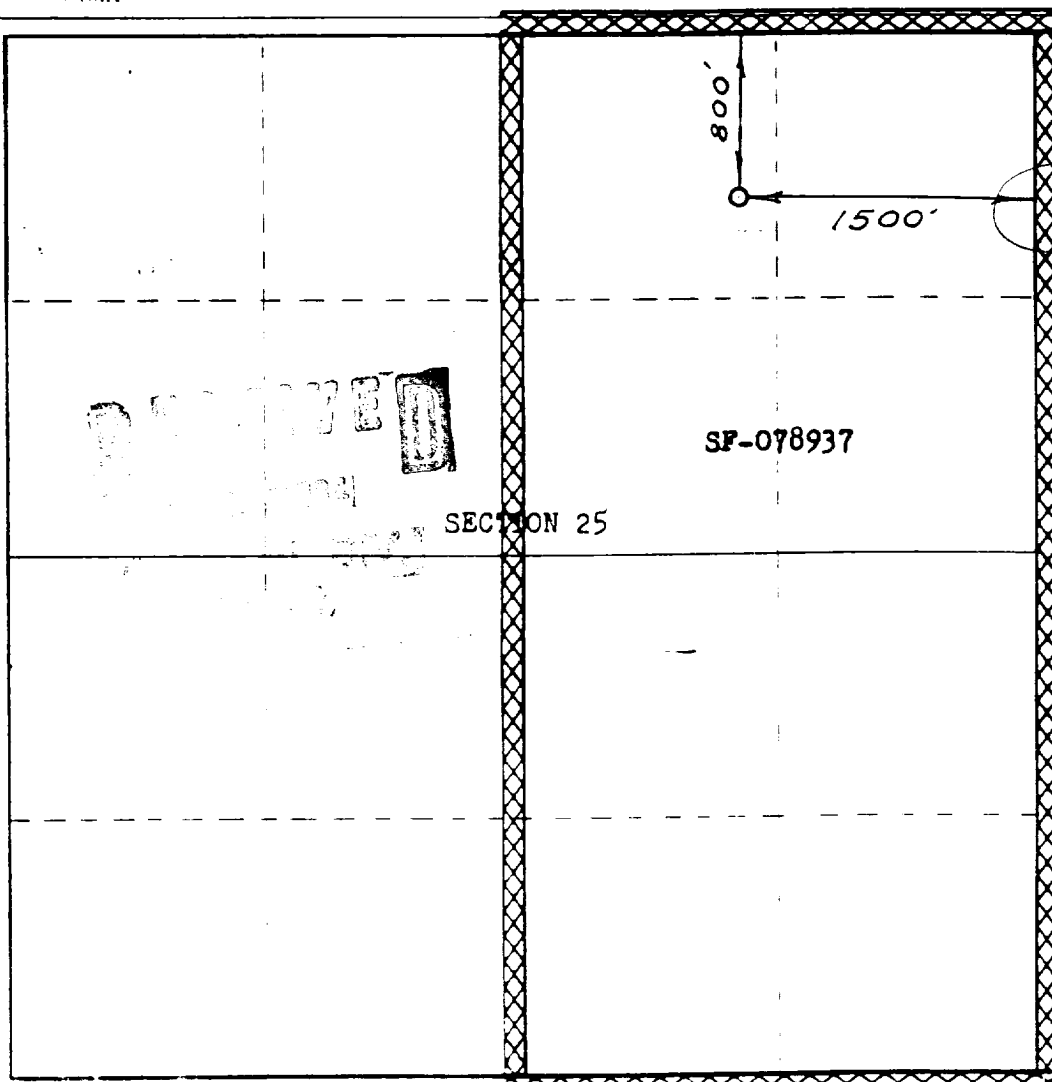
Meridian Oil Inc.

2-1-94

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.

JANUARY 27, 1968

David Chivers



Pertinent Data Sheet - P. L. DAVIS #2 DK

Location: 800' FNL 1500' FEL SEC. 25 T26N R11W, SAN JUAN COUNTY, N.M.

Field: Basin Dakota

Elevation: 6431' TD: 6444'
11' KB PBTD: 6330'

Lease: Federal SF 078937

DP#: 52306A

GWI: 100.00%

NRI: 70.00%

Completed: 9-16-69

Initial Potential:

AOF= 746 MCF/D, Q= 710 MCF/D, SICP=1742 psi

Casing Record:

| Hole Size | Csq. Size | Wt. & Grade | Depth Set | Cement | Top/Cmt |
|-----------|-----------|--------------|-----------|--------|------------------|
| 12-1/4" | 8-5/8" | 24# K-55 | 225' | 160 sx | Circ 5 Bbl Cmt |
| 7-7/8" | 4-1/2" | 10.5# J-55 | 6444' | 270 sx | 5395' @ 75% Eff. |
| | | Stage Tool @ | 4430' | 325 sx | 3167' @ 75% Eff. |
| | | Stage Tool @ | 1970' | 220 sx | 1360' - Survey |

Tubing Record: 2-3/8" 4.7# J-55 6252' 198 Jts
S.N. @ 6231'

Formation Tops:

| | |
|-----------------|-------|
| Ojo Alamo | 972' |
| Kirtland | 1045' |
| Fruitland | 1614' |
| Pictured Cliffs | 1732' |
| Mesaverde | 3716' |
| Point Lookout | 4196' |
| Gallup | 5264' |
| Dakota | 6286' |

Logging Record: Induction Log, Density Log, Sonic Log

Stimulation: Perf DK @ 6348'-56', 6380'-88', w/16 spz & fraced w/30,000# sand in water. Well flowed 1" stream water w/gas TSTM. Set Cmt Ret @ 6330' & sq lower DK perfs w/50 sx cmt. Perfed DK @ 6254'-62', 6290'-98' w/16 spz & fraced w/30,000# san in water.

Workover History: 1-14-86: Swabbed well in.

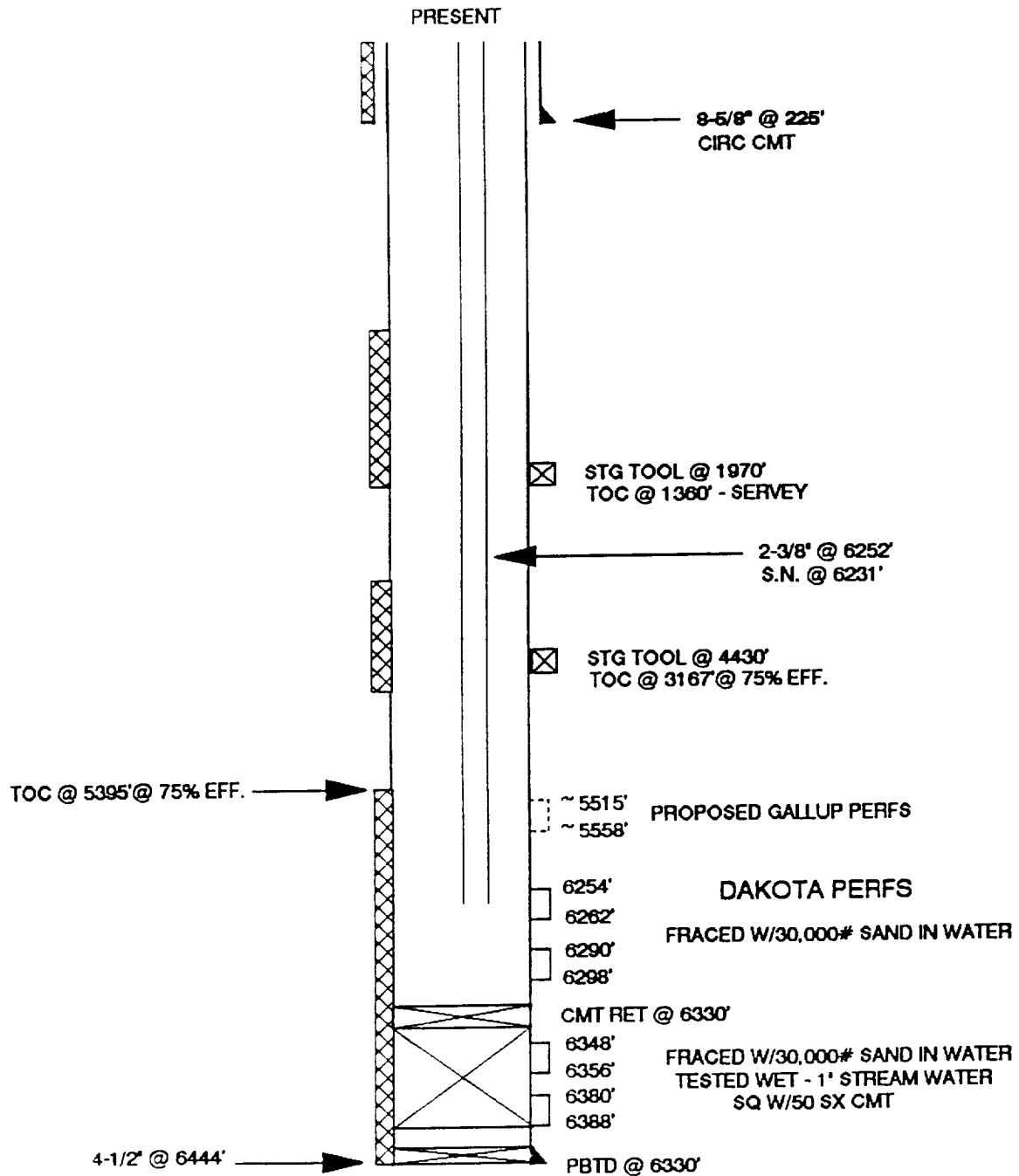
Production History: First Delivery = 10-1-69. Cumulative= 833 MMCF & 7,491 BO. Capacity = 0 MCF/D. Bradenhead = 0 psi. Tbg pressure = 645 psi. Csg pressure = 64. psi. Line Pressure = 150 psi.

Pipeline: EPNG

PMP

P. L. DAVIS #2 DK

UNIT B SECTION 25 T26N R11W
SAN JUAN COUNTY, NEW MEXICO



P. L. Davis #2 Gallup
Recompletion Procedure
B 25 26 11
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 @ 6231' & pressure test to 2000 psi. TOH w/ 198 Jts 2-3/8" tbg.
3. 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.
4. Run 4-1/2" gauge ring on sandline to 6204'. Set 4-1/2" cmt ret @ 6204' (50' above top Dakota perf) & sq DK w/15 sx Cl "G" cmt. This will fill DK perfs & 4-1/2" pipe w/100% excess cmt.
5. Sting out of cmt ret & spot 4 sx cmt on top ret. Spot hole w/ 10 bbl mud: 15# sodium bentonite w/non-fermenting polymer, 8.4# gal weight, & 40 qs vis or greater. TOH.
6. Set 4-1/2" top drillable BP @ 5600' on wireline. Run CBL from 5600' to top cmt in 4-1/2". Apply 1000 psi, if necessary, to clarify bonding.
7. TIH w/2-3/8" tbg to 5600'. Roll hole w/2% KCL water & pressure test csg to 1000 psi for 15 min.
8. Perf Gallup @ 5515'-58' w/1 spf. Total 43-0.38" holes. Perf Gal. w/3-1/8" HCG w/12 gr Owen 306 charges which have an average penetration in Berea of 17.34".
9. TIH w/4-1/2" pkr & 2-7/8" NUE N-80 rental tbg w/shaved collars & set @ 5400' (just below top of cmt). W/ 500 psi on backside, breakdown & attempt to balloff Gallup perfs w/2500 gal. 15% HCL acid & 110 7/8" 1.3 sp gr RCN perf balls. (1 gal/1000 corrosion inhibitor). Lower pkr to 5560' to knock off perf balls. Reset pkr @ 5500'.
10. Monitor & record backside pressure of 500 psi during frac. Fracture treat Gallup down frac string with 57,000 gals. of 70 quality foam using 30# gel as the base fluid & 90,000# 20/40 Brady sand. Pump at 20 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 6000 psi and estimated treating pressure is 5100 psi. Frac string friction @ 20 BPM is 3100 psi. Treat per the following schedule:

P. L. Davis #2 - Gallup Recompletion
Page 2

| Stage | Foam Vol. (Gals.) | Gel Vol. (Gals.) | Sand Vol. (lbs.) |
|---------|----------------------|---------------------|---------------------|
| Pad | 20,000 | 6,000 | |
| 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 | 2,000 | 600 | 10,000 |
| Flush | (1,300) | 390 | |
| Totals | 57,000 | 17,100# | 90,000# |

Treat frac fluid with the following additives per 1000 gallons:

- * 30# GW27 (Gel guar)
- * 5.0 gal. FAW-16 (Foamer)
- * 1.0 gal GBW-12 (Enzyme Breaker)

11. Open well through choke manifold and monitor flow. Flow @ 20 bbl/hr, or less if sand is observed. Take pitot gauges when possible. TOH w/pkr & frac string.
12. TIH with notched collar on 2-3/8" tbg and clean out to 5600' 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 5600'-5000'.
15. TIH with 2-3/8" tbg with standard seating nipple one joint off bottom and again cleanout to 5600'. When wellbore is sufficiently clean, land tbg at 5450'KB. Take final water and gas samples & rates.
16. Replace any bad valves, connections, or fittings on wellhead. ND BOP and NU wellhead & tree. Rig down & release rig.

Approve: _____

J. A. Howieson

JHC 12/16/13

VENDORS:

| | | |
|-------------|--------------|----------|
| Wireline: | Blue Jet | 325-5584 |
| Fracturing: | BJ | 327-6288 |
| RA Tagging: | Pro-Technics | 326-7133 |

PMP