

submitted in lieu of Form 3160-5

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
BLM

Sundry Notices and Reports on Wells 85 JUL 27 2:15

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
1600' FSL, 1740' FWL, Sec. 25, T-31-N, R-13-W, NMPM
K

070 FARMINGTON, NM

5. Lease Number
SF-078464

6. If Indian, All. or
Tribe Name

7. Unit Agreement Name

8. Well Name & Number
Federal A #1

9. API Well No.
30-045-10290

10. Field and Pool
Basin Dakota

11. County and State
San Juan Co, NM

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

Type of Submission

☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment

Type of Action

☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other - Pay add
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut off
☐ Conversion to Injection

13. Describe Proposed or Completed Operations

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

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JUL 03 1996
OIL CON. DIST. 3

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

Signed [Signature] (JAS4) Title Regulatory Administrator Date 6/26/96

(This space for Federal or State Office use)

APPROVED BY _____ Title _____ Date _____
CONDITION OF APPROVAL, if any:

NMOCD

APPROVED
JUL 8 1996
[Signature]

COMPLETION PROCEDURE

FEDERAL A #1 (DAKOTA)

SW/4, Section 25, T31N, R13W

Lat. 36.867996, Long. -107.158142 by PDG

San Juan County, NM

DAKOTA PAYADD

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SEP 27 PM 2:15

070 FILLMORE, NM

Tubular Requirements:

Workstring

+/- 7000' 2-3/8" 4.7# workstring

Fracstring

+/- 400' 2-3/8" N-80 4.7# tubing,

Baker Safety Joint connection (2-3/8")

+/- 6400' 2-7/8" N-80 6.5# buttress fracstring

Additional Production Tubing

2 joints of 1-1/2" 2.75#, EUE tubing

Check gas line pressure in area, if 200 psi or greater, use drill gas unit, if not rig up air package, 2 compressors, 1 mist pump and 1, 2-stage booster, min requirements 1000 scfm, 10 gpm mist, 300 psi stand pipe pressure. **Make all efforts to use gas if possible. History of Dakota wells in this area show that Iron Oxide may form if air is used during the workover.**

1. Comply w/ all BLM, MOI and NMOCD rules and regulations. MOL and RU. Place fire and safety equipment in strategic locations. **Obtain base pitot gauge and record on morning report.** NU BOP and test operation of rams. Lay flow lines and stake down.
2. Spot 2 - 400 bbl frac tanks, 1 - 400 bbl rig tank and fill w/ 2% KCL water.
3. TOOH w 1-1/2" tubing set @ 6686'. Remove perforated joint on bottom. Do not rerun.
4. PU and TIH w/ 3-7/8" bit/mill, 4-1/2" 10.5# csg scraper on 2-3/8" work string. Clean out to PBTD @ 6886'. TOOH and LD bit and csg. scraper.
5. TIH w/ 4-1/2" 10.5 # full bore packer on 2-3/8" workstring. Set packer @ 6600' and pressure test backside to 500 psi for 15 minutes. Release packer. TIH and set packer @ 7255'. Pressure test casing below perforations with 2% KCL to 3800 psi for 15 minutes. Release pkr & TOOH to 4000' and unload hole with gas. TIH to 6886' and unload hole. Spot 200 gal of double inhibited mud acid (3% HF & 12% HCL acid) w/ 2/1000 gal surfactant, 6/1000gal corrosion inhibitor, 1/1000 surface tension reducer, 1/1000 clay control . If tubing appeared to have appreciable scale when TOOH in Step 3, pump 100 gallons of 15% HCL ahead of mud acid. TOOH and LD pkr.
6. RU wireline and lubricator. Perforate Oak Canyon and Encinal Canyon underbalanced with a 3-1/8" HSC, 12 gram, 0.33" hole, 14" DP @ 4 SPF. Inspect guns to ensure all shots fired. RD wireline.

6812'-6824' (12')

6864'-6876' (12')

96 holes

7. TIH w/ 1 joint 2-3/8" N-80 4.7# tubing, 4-1/2" isolation FH packer, 4 joints 2-3/8", N-80, 4.7# tubing with a safety joint connection in the middle, PU second isolation FH packer, 8 joints 2-3/8" stinger and remaining 2-7/8" buttress fracstring. Set packers @ 6640' (+/-10') and 6764' (+/-10'). Pressure up to 500 psi on backside and hold during frac.
8. RU immediate flowback line and 1/4" choke.
HOLD SAFETY MEETING WITH ALL PERSONNEL BEFORE PRESSURE TESTING
Pressure test stimulation lines to 8000 psi (1000 psi over maximum treating pressure but less than the working pressure of the lines). Pressure test immediate flowback line to 1000 psi.

9. **Max allowable surface treating pressure is 7000 psi @ 20 BPM.** Stimulate the Dakota interval @ +/- 20 BPM w/ 30# linear gel, 5000 SCF/M N2 and 20/40 Super DC resin coated. Sand will not be tagged. Stage flush when sand concentration drops to 3-1/2 #/gal. Quick flush w/ 2% KCL water and N2. Cut flush rate in half (to 10 BPM) when half of flush is away. Note rate and pressure and underflush by a minimum of 10%.
10. Immediately flow back well upon completion of flush. Flowback well through a 1/4" positive choke. RD frac company.
11. Flow back until well dies or sand production is negligible. Pump 50 bbl 2% KCL water on backside. Release isolation packers and TOOH.
12. PU 3-7/8" mill/bit on 2-3/8 tbg and TIH. CO to PBTD @ 6886' and obtain pitot gauge. When sand and water has diminished to acceptable levels, obtain pitot gauge & TOOH.
13. TIH with one joint of 1-1/2", 2.75#, J-55, EUE tubing w/ expendable check, an F-nipple, then the remaining 1-1/2" production tubing. Land tubing near bottom DK perforation @ 6740' as removed from well originally, plus 2 extra joints.
14. ND BOP's. NU WH. Pump off expendable check. Make swab run to ensure tubing is clear. Obtain final pitot gauge. RD and MOL.

Approvals:

NW Basin Team Leader

Drilling Supervisor

Engineers -

James A. Smith

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Pager - (324-2420)

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Mark Byars

Pager - (327-8470)
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Mike Martinez

Pager - (599-7429)
Mob - (860-7518)
Home - (326-4861)

VENDORS:

WIRELINE:

STIMULATION:

PACKERS

SERVICE COMPANY

Petro

HES

Baker

PHONE NUMBER

326-6669

325-3575

325-0216

FEDERAL A #1

AS OF 4/24/1996

BASIN DAKOTA

1600' FSL, 1740' FWL

SEC 25, T31N, R13W, SAN JUAN COUNTY, NM

COMPLETED 12/09/62
ELEVATION 5884' DF

OJO ALAMO @ 612'

KIRTLAND @ 635'

FRUITLAND @ 1830'

PICTURED CLIFFS @ 2166'

LEWIS @ 2333'

UPPER CLFH @ 3692'

MASSIVE CLFH @ 3780'

MENEFEE @ 3833'

MASSIVE PL @ 4477'

LOWER PL @ 4568'

MANCOS @ 4842'

GALLUP @ 5778'

GREENHORN @ 6520'

GRANEROS @ 6588'

DAKOTA @ 6702'

12-1/4" HOLE

8-5/8" 24# J-55 CSG SET @ 289'
CMT W/160 SX
CIRC CMT TO SURFACE

TOC UNKNOWN

7-7/8" HOLE

1-1/2" 2.9# J-55 TBG SET @ 6686'
W/ PERF JOINT ON BOTTOM

STAGE COLLAR @ 4898'

PERF 6660'-6740'
FRAC W/63,000# & 84,714 GALS WATER

4-1/2" 10.5# J-55 CSG SET @ 6920'
CMT W/410 CU.FT. (1ST STAGE) AND
750 CU.FT. (2ND STAGE)
TESTED TO 3500 PSI

TD 6920'
PBTD 6886'

Pertinent Data Sheet

FEDERAL A #1

Location: Unit K NE/4 SW/4, Section 25, T31N, R13W, 1600' FSL, 1740' FWL,
Lat. 36.867996, Long. -107.158142 by TDG
San Juan County, NM

Field: Basin Dakota

Elevation: 5884' DF
KB: N/A

TD: 6920'
PBTD: 6886'

Spud Date: 11-17-62

Completed: 12-09-62

DP No: 32323A

Prop. No: 071220200

Casing/Liner Record:

<u>Hole Size</u>	<u>Csg. Size</u>	<u>Wt. & Grade</u>	<u>Depth Set</u>	<u>Cement</u>	<u>Top/Cement</u>
12 1/4"	8 5/8"	24# J-55	289'	160 sx	to surface
7 7/8"	4 1/2"	10.5# J-55	6920'	410 c.f.	
				(1st stage)	
				410 c.f.	
			Stage Collar @ 4898'	(2nd stage)	TOC unknown
				750 c.f.	

Tubing Record: 1 1/2" 2.9# J-55 tubing set @ 6686' w/perf joint on bottom.

Logging Record: Acoustic, E.S. Induction, CBL

Formation Tops:

Ojo Alamo:	612'
Kirtland:	635'
Fruitland:	1830'
Pictured Cliffs:	2166'
Lewis:	2333'
Upper Cliffhouse:	3692'
Massive Cliffhouse:	3780'
Menefee:	3833'
Massive Point Lookout:	4477'
Lower Point Lookout:	4568'
Mancos:	4842'
Gallup:	5778'
Greenhorn:	6520'
Graneros:	6588'
Dakota:	6702'

Perforation and Stimulation: Perf 6660'-6740', frac with 63,000# and 84,714 gallons of water
& 320 cu. ft. CO2/Bbl.
6660'-6674' 2 SPF
6704'-6710' 2 SPF
6725'-6740' 2 SPF

