submitted in lieu of Form 3160-5

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
BLM MAIL ROOM
96 MAY 20 PM 1:50
070 FARMINGTON, NM

Sundry Notices and Reports on Wells

1. **Type of Well**
GAS

5. **Lease Number**
SF-078439

6. **If Indian, All. or Tribe Name**

7. **Unit Agreement Name**

2. **Name of Operator**
MERIDIAN OIL

8. **Well Name & Number**
Johnston Federal #8A

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

9. **API Well No.**
30-045-22371

4. **Location of Well, Footage, Sec., T, R, M**
790'FSL, 1450'FEL, Sec.7, T-31-N, R-9-W, NMPM

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	
_X_ Notice of Intent	___ Abandonment	___ Change of Plans
	___ Recompletion	___ New Construction
___ Subsequent Report	___ Plugging Back	___ Non-Routine Fracturing
	___ Casing Repair	___ Water Shut off
___ Final Abandonment	___ Altering Casing	___ Conversion to Injection
	_X_ Other - Pay add and restimulation	

13. **Describe Proposed or Completed Operations**

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

RECEIVED
MAY 30 1996
OIL CON. DIV.
DIST. 3

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

Signed Peggy Bradfield (MEL5) Title Regulatory Administrator Date 5/16/96

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

MAY 21 1996
DISTRICT MANAGER

NMOCD

Johnson Federal #8A - Mesaverde
Menefee and Lewis Payadd
Lat-Long by TDG: 36.907532 - 107.816559
SE/4 Section 7, T31N-R09W
COMPLETION PROCEDURE 4/11/96

1. Hold safety meeting. MIRU. Comply with all MOI, BLM and NMOCD rules and regulations. Install 6 frac tanks and 1x400 bbl rig tank. Fill each frac tank with 3#'s of biocide and Aztec city water with 1% KCl.

2. Obtain and record all wellhead pressures. ND WH, NU BOP. TOOH w/ 2-3/8" tubing set at 5981'. Replace bad tubing as necessary.

3. TIH with 2-3/8" tubing, 7" (23#) casing scraper, and run casing scraper to 3465'. TOOH.

4. TIH with 2-3/8" tubing, 4-1/2" (15.5#) casing scraper and 3-7/8" bit. CO to PBTD of 5998'. TOOH.

5. RIH and wireline set a 4-1/2" CIBP @ 5760'. Load hole from surface w/ 1% KCL water. Run CBL-GR-CCL from 5760' to surface.

6. TIH w/ 4-1/2" fullbore packer and 2-3/8" work string. Set packer @ ± 5500' and pressure test CIBP to 3800 psi. Release packer and TOOH laying down packer.

7. Perforate the following Menefee interval using 3-1/8" HSC guns with 12 gram charges and 0.29" diameter holes: (23 perfs total)

5504	5655
5510	5665
5531	5674
5541	5695
5543	5700
5548	5704
5570	5708
5589	5712
5621	5716
5628	5738
5646	5741
5650	

Inspect guns to ensure all perforations fired. RD wireline.

8. TIH w/ 4-1/2" fullbore packer and 2-3/8" work string. Set packer @ ± 5480'.

9 **Maximum allowable treating pressure is 3800 psi during acid job.** Pump 1500 gallons of 15% HCL acid @ ± 8 Bbls/min dropping 7/8" diameter RCN ball sealers spaced evenly throughout the job (2 balls per perforation hole). Release packer and TIH knocking balls off of perforations. TOOH laying down packer.

10. TIH with 4-1/2" mule shoe on the bottom of two Scab Liner Packers with 3 joints (± 93') of 2-3/8" tubing between the two packers on 2-3/8" tubing. Set Scab Liner to overlap the existing Cliff House perforations @ 5380' to 5452' (72' between top and bottom perf). Set top packer element @ ± 5370' and bottom element @ ± 5460'. TOOH.

11. TIH w/ 4-1/2" fullbore packer, ± 150' of 2-3/8" work string, ± 200' of 2-7/8" N-80 frac string and ± 3450' of 3-1/2" N-80 frac string. Set packer @ ± 3800'.

12. **Hold safety meeting. Maximum allowable treating pressure is 6000 psi. (At static conditions, maximum allowable is 3800 psi.)**

13. Pressure test surface lines to 7000 psi. (1000 psi over maximum treating pressure but less than the working pressure of the lines.) Fracture stimulate the Menefee interval @ ± 40 BPM using 30# cross link and 75M lbs. of sand (15% resin coated). (See attached stimulation procedure.) Do not over displace during flush. (Stage flush as soon as sand concentration begins to fall.) Shut in well immediately after completion of the stimulation until pressure falls to zero.

14. Release packer and TOOH standing back frac string.

15. TIH with Scab Liner retrieving tool and bumper sub on 2-3/8" workstring. Recover Scab Liner and TOOH.

16. RIH and wireline set a 4-1/2" RBP @ ± 4750'. Dump ± 10' of sand on top of RBP with dump bailer.

17. TIH w/ 4-1/2" fullbore packer and 2-3/8" work string. Set packer @ ± 3800' and pressure test RBP to 3800 psi. Release packer and TOOH standing back work string.

18. Perforate the following Lewis interval using 3-1/8" HSC guns with 12 gram charges and 0.29" diameter holes: (17 perfs total)

4313	4556
4319	4590
4329	4604
4333	4663
4472	4679
4476	4696
4494	4706
4502	4714
4510	

Inspect guns to ensure all perforations fired. RD wireline.

19. TIH w/ 4-1/2" fullbore packer and 2-3/8" work string. Set packer @ ± 3800'.

20. **Maximum allowable treating pressure is 3800 psi during acid job.** Pump 1500 gallons of 15% HCL acid @ max rate pressure will allow dropping 7/8" diameter RCN ball sealers spaced evenly throughout the job (2 balls per perforation hole). Release packer and TIH knocking balls off of perforations. TOOH laying down packer.

21. TIH w/ 4-1/2" fullbore packer, ± 150' of 2-3/8" work string, ± 200' of 2-7/8" N-80 frac string and the ± 3450' of 3-1/2" N-80 frac string. Set packer @ ± 3800'.

22. **Hold safety meeting. Maximum allowable treating pressure is 6000 psi. (At static conditions, maximum allowable is 3800 psi.)**

23. Pressure test surface lines to 7000 psi. (1000 psi over maximum treating pressure but less than the working pressure of the lines.) Fracture stimulate the Lewis interval @ ± 40 BPM using 30# linear and 70Q Nitrogen with 60M lbs. of sand. (See attached stimulation procedure.) Do not over displace during flush. (Stage flush as soon as sand concentration begins to fall.) Shut in well immediately after completion of the stimulation until pressure falls to zero.

24. Release packer and TOOH laying down frac string.

25. TIH w/ retrieving head on 2-3/8" tubing and CO to RBP set @ 4750'. When sand has diminished, obtain pitot gauge for Lewis interval. Release RBP and TOOH.

26. TIH w/ 2-7/8" bit and CO to CIBP set @ 5760'. Obtain pitot gauge for Lewis / Menefee interval.

27. Drill up CIBP set @ 5760' and CO to PBTD of 5998'. PU above the Mesaverde perforations and flow the well naturally, making short trips for clean up when necessary. Obtain pitot gauge for Mesaverde after clean up.

28. When sand has diminished, TOOH.

29. TIH with one joint of 2-3/8", 4.7#, J-55 tubing w/ expendable check, an F-nipple, then the remaining 2-3/8" production tubing. CO to PBTD of 5998'. Land tubing near bottom perforation (5983').

30. ND BOP's, NU WH. Pump off expendable check. Obtain final pitot up the tubing if possible. If well will not flow on it's own, make swab run to FN. If a swab run is not necessary, run a broach on slickline to ensure that the tubing is clear. RD and MOL. Return well to production.

Approval: _____
Drilling Superintendent

Approval: _____
Northwest Basin Team Leader

Contacts:

Engineers:

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Vendors:

Stimulation: Halliburton (325-3575)
Wireline: Petro (326-6669)

MEL:mel

Pertinent Data Sheet

JOHNSTON FEDERAL #8A

Location: Unit O SW/4 SE/4, Section 07, T31N, R09W, 790' FSL, 1450' FEL.
Lat. 36.907532, Long. -107.816559 by TDG
San Juan County, NM

Field: Blanco Mesaverde

Elevation: 6696' GL
KB: N/A

TD: 6031'
PBTD: 5998'

Spud Date: 03-27-77

Completed: 05-10-77

DP No: 13036S

Prop. No: 071382800

Casing/Liner Record:

Hole Size	Csg Size	Wt. & Grade	Depth Set	Cement	Top/Cement
13¾"	9 5/8"	36# K-55	299'	275 sx	to surface
8¾"	7"	23# N-80/K-55	3658'	600 sx	TOC unknown
6¼"	4½"	15.5# K-55 Liner	3469'-6030'	275 sx	TOC unknown

Tubing Record: 2 3/8" 4.7# tubing at 5981'.

Formation Tops:

Ojo Alamo:	1950'
Kirtland:	1990'
Fruitland:	2955'
Pictured Cliffs:	3408'
Huer. Bentonite:	4253'
Cliffhouse:	5076'
Menefee:	5400'
Point Lookout:	5764'

Logging Record: GRI CDL/GR, SWN/GR

Workover History: 02/93: Squeeze attempt, did not cement.
12/05/95: Tubing repair/remedial cement. . Squeezed at 3445' with 100 sx cement, then squeezed at 3647' with 171 sx cement, circulated to surface. Squeezed at 2290' with 100 sx cement, then pumped 40 sx 2090'-2290'.

Stimulation History: Perfed Cliffhouse 5380'-5452'. Fraced with 50,000# of sand and 50,000 gallons of water. Perfed Point Lookout 5768'-5983'. Fraced with 50,000# of sand and 50,000 gallons of water.

3/8/96

N. Keeler

JOHNSTON FEDERAL #8A

BLANCO MESAVERDE

AS OF 3/08/96

790' FSL, 1450' FEL
SEC 7, T31N, R09W, SAN JUAN COUNTY, NM