State of New Mexico
Energy, Minerals and Natural Resources Department
Oil Conservation Division

Sundry Notices and Reports on Wells

API # (assigned by OCD)
30-045-22814

1. **Type of Well**
GAS

5. **Lease Number**
Fee

6. **State Oil&Gas Lease #**

2. **Name of Operator**
MERIDIAN OIL

7. **Lease Name/Unit Name**
Hampton

8. **Well No.**
3A

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

9. **Pool Name or Wildcat**
Blanco Mesaverde

4. **Location of Well, Footage, Sec., T, R, M**
700'FNL, 655'FWL, Sec.10, T-30-N, R-11-W, NMPM, San Juan County

10. **Elevation:** 5658 GR

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	

13. Describe Proposed or Completed Operations

It is intended to add pay to the Mesaverde zone of the subject well according to the attached procedure.

RECEIVED
DEC - 4 1995
OIL CON. DIV.
DIST. 3

SIGNATURE Peggy Bradfield (KKK2)Regulatory Administrator November 30, 1995

(This space for State Use)
Approved by Johnny Robinson Title DEPUTY OIL & GAS INSPECTOR, DIST. #3 DEC - 4 1995

Pertinent Data Sheet - Hampton #3A

Location: 700' FNL & 655' FWL, Unit D, Section 10, T30N, R11W, San Juan County, New Mexico

Field: Blanco Mesaverde **Elevation:** 5658' GR **TD:** 4842' **PBTD:** 4822'

Completed: 12-31-77 **Spud Date:** 12-18-77 **DP #:** 11447A

Casing Record:

Hole Size	Csg Size	Wt. & Grade	Depth Set	Cement Top
12-1/4"	9-5/8"	36.0# K-55	302'	Surface
8-3/4"	7"	23.0# K-55	2419'	1400' from cmt bond log
6-1/4"	4-1/2" liner	10.5# K-55	2299'-4825'	2675' from Temp. Survey

Cement:

Surface: 250 sacks Class "B" with 3% CaCl. Circ to Surface.

7" Casing: Cemented w/145 sacks of 50/50 POZ Class "B" with 6% gel, followed by 50 sacks Class "B" cement w/ 2% CaCl.

4-1/2" Liner: 320 sacks 50/50 POZ Class "B" with 2% gel, 6 1/4# fine Gilsonite per sack, 1/4# of gel flakes per sack and .6% Halad-9.

Tubing Record:

Tbg. Size	Wt. & Grade	Depth Set	
2-3/8"	4.70# J-55 EUE	4707'	with seating nipple on bottom.

Formation Tops:

Ojo Alamo:	720'
Fruitland:	1836'
Pictured Cliffs:	2152'
Cliff House:	3808'
Point Lookout:	4498'

Logging Record: GR-Induction, GR-CDL and GR-Correlation

Stimulation: PERF: 4498'-4758' Frac'd w/ 80,850 gals fresh water and 50,000# 20/40 sand

Workover History: None

HAMPTON #3A
Recommend Recompletion Procedure
NW/NW Section 10 T30N R11W
Lat. 36.831863 Long. 107.984375

1. Test rig anchors and repair if necessary. Install 8-400 bbl frac tanks on location and fill with 1% KCl water for fracture treatment. Filter all water to 25 microns. Heat water as required by weather.

2. MOL and RU. Comply to all NMOCD, BLM and MOI rules and regulations. Hold safety meeting. ND wellhead. NU BOP. Test operation of rams. NU two relief lines.

3. TOOH with 4707' of 2-3/8" tubing. Check wellbore diagram for configuration. Visually inspect for and replace all bad joints.

4. TIH on 2-3/8" tubing with 7" casing scraper and 6-1/4" bit. Clean out to top of liner hanger at 2299'. TOOH.

5. TIH with 2-3/8" tubing with 4-1/2" casing scraper and 3-7/8" bit. Clean out 4-1/2" liner from 2299' to PBTD at 4822' with air.

6. Blow to pit until sand production is minimal to absent. When well is clean, take 15, 30, 45 and 60 minute pitot gauges. TOOH.

7. Wireline set 4-1/2" RBP at 4490'. Load hole with 1% KCl water.

8. RU wireline and run CBL/CCL/GR from 4490' to 2490' under 1000 psi surface pressure. TIH with 7" full-bore packer and 60' of 2-3/8" tubing and pressure test casing to 3400 psi. Run dump bailer and dump 2 sxs sand on of the RBP. If pressure test does not hold, TIH with packer and tubing and locate casing failure. Contact Production Engineering and a casing repair procedure will be provided. Release packer and TOOH.

***** Lower Menefee *****

9. Perforate with 3-1/8" Conventional HSC with centralizers and charges meeting requirements for average penetration in Berea of 12.0" and average perf diameter of 0.30". Perforate the following Lower Menefee intervals with 1 spf. Perforate from the top down using centralizers.

4283' - 4285'	(2)	4385' - 4390'	(5)
4290' - 4292'	(2)	4437' - 4438'	(1)
4307' - 4331'	(24)	4461' - 4463'	(2)
4352' - 4363'	(11)	4467' - 4469'	(2)

Total: 49 holes.

10. TIH with 7" full bore packer on 2-7/8" tubing and set at 60' only if casing tested. If casing squeeze was required, TIH to below squeeze hole with 7" packer and 2-3/8" tubing. RU stimulation company and prepare to breakdown and balloff with acid. Pump 1225 gal. of 15% HCl at 29 bbls/min and slow rate down to 10 bbls/min prior to ball hitting. Drop a total of 73 7/8" 1.3 sp. gr. RCN ball sealers spaced evenly throughout the job.

Record injection rate and all breakdown pressures throughout job. **Maximum pressure is 3400 psi.** Acid should contain clay stabilizer, corrosion inhibitor, and iron sequestering agent. TOOH with tubing and packer.

11. RU wireline. RIH with junk basket and retrieve ball sealers. Record number of hits and balls recovered.

12. TIH with 7" full-bore packer on 2-7/8" tubing and set at 60' only if casing tested. If casing squeeze was required, TIH to below squeeze hole with 7" packer and 3-1/2" frac string. RU stimulation company. Hold safety meeting. Pressure test surface lines to 4400 psi (1000 psi over maximum allowable treating pressure but no greater than working pressure of surface lines). **Maximum treating pressure is 3400 psi.** Fracture Lower Menefee according to attached procedure. **Stimulation will be with slickwater and 98,000 lbs. of 20/40 Arizona sand with maximum sand concentration of 2.5 ppg, a rate of 73 bbls/min and 25% pad volume.** Flush to the top perf. Shut-in well immediately after stimulating to keep in static condition for 30 minutes. Release packer and TOOH.

13. Wireline set 4-1/2" RBP at 4270'. TIH with 7" full-bore packer on 2-7/8" tubing and set at 60'. Test bridge plug and casing to 3400 psi for 15 minutes. Release packer and TOOH. Run dump bailer and dump 2 sxs sand on of the RBP.

***** Upper Menefee *****

14. Perforate with 3-1/8" Conventional HSC with centralizers and charges meeting requirements for average penetration in Berea of 12.0" and average perf diameter of 0.30". Perf the following Upper Menefee intervals with 1 spf. Perforate from the top down using centralizers.

4113' - 4114'	(1)	4174' - 4181'	(7)
4120' - 4122'	(2)	4188' - 4203'	(15)
4127' - 4128'	(1)	4245' - 4252'	(7)
4140' - 4141'	(1)		

Total: 34 holes.

15. TIH with 7" full bore packer on 2-7/8" tubing and set at 60' only if casing tested. If casing squeeze was required, TIH to below squeeze hole with 7" packer and 2-3/8" tubing. RU stimulation company and prepare to breakdown and balloff with acid. Pump 850 gal. of 15% HCl at 20 bbls/min and slow rate down to 10 bbls/min prior to ball hitting. Drop a total of 51 7/8" 1.3 sp. gr. RCN ball sealers spaced evenly throughout the job. Record injection rate and all breakdown pressures throughout job. **Maximum pressure is 3400 psi.** Acid should contain clay stabilizer, corrosion inhibitor, and iron sequestering agent. Release packer and TOOH.

16. RU wireline. RIH with junk basket and retrieve ball sealers. Record number of hits and balls recovered.

17. TIH with 7" full-bore packer on 2-7/8" tubing and set at 60' only if casing tested. If casing squeeze was required, TIH to below squeeze hole with 7" packer and 3-1/2" frac string. RU stimulation company.

Hold safety meeting. Pressure test surface lines to 4400 psi (1000 psi over maximum allowable treating pressure but no greater than working pressure of surface lines). **Maximum treating pressure is 3400 psi.** Fracture Upper Menefee according to attached procedure. **Stimulation will be with slickwater and 68,000 lbs. of 20/40 Arizona sand with maximum sand concentration of 2.5 ppg, a rate of 50 bbls/min and 25% pad volume.** Flush to the top perf. Shut-in well immediately after stimulating to keep in static condition for 30 minutes. Release packer and TOOH.

18. Wireline set 4-1/2" RBP at 4100'. TIH with 7" full-bore packer on 2-7/8" tubing and set at 60'. Test bridge plug and casing to 3400 psi for 15 minutes. Release packer and TOOH. Run dump bailer and dump 2 sxs sand on of the RBP.

***** Cliff House *****

19. Perforate with 3-1/8" Conventional HSC with centralizers and charges meeting requirements for average penetration in Berea of 12.0" and average perf diameter of 0.30". Perf the following Cliff House intervals with 1 spf. Perforate from the top down using centralizers.

* 3819' - 3826'	(7)	4003' - 4008'	(5)
* 3838' - 3854'	(16)	4020' - 4023'	(3)
* 3879' - 3884'	(5)	4038' - 4039'	(1)
* 3926' - 3934'	(8)	4054' - 4056'	(2)
3957' - 3961'	(4)		

Total: 51 holes.

Note: Prior to perforating the * marked holes, check with geologist.

20. TIH with 7" full bore packer on 2-7/8" tubing and set at 60' only if casing tested. If casing squeeze was required, TIH to below squeeze hole with 7" packer and 2-3/8" tubing. RU stimulation company and prepare to breakdown and balloff with acid. Pump 1275 gal. of 15% HCl at 30 bbls/min and slow rate down to 10 bbls/min prior to ball hitting. Drop a total of 76 7/8" 1.3 sp. gr. RCN ball sealers spaced evenly throughout the job. Record injection rate and all breakdown pressures throughout job. **Maximum pressure is 3400 psi.** Acid should contain clay stabilizer, corrosion inhibitor, and iron sequestering agent. Release packer and TOOH.

21. RU wireline. RIH with junk basket and retrieve ball sealers. Record number of hits and balls recovered.

22. TIH with 7" full-bore packer on 2-7/8" tubing and set at 60' only if casing tested. If casing squeeze was required, TIH to below squeeze hole with 7" packer and 3-1/2" frac string. RU stimulation company. Hold safety meeting. Pressure test surface lines to 4400 psi (1000 psi over maximum allowable treating pressure but no greater than working pressure of surface lines). **Maximum treating pressure is 3400 psi.** Fracture Cliff House according to attached procedure. **Stimulation will be with slickwater and 102,000 lbs. of 20/40 Arizona sand with maximum sand concentration of 2.5 ppg, a rate of 76 bbls/min and 25% pad volume.** Flush to the top perf. Shut-in well immediately after stimulating to keep in static condition for 30 minutes. Release packer and TOOH.

23. Flow back well (if needed) until returns diminish. TIH with retrieving head and 2-3/8" tubing and clean out to RBP at 4100' until sand returns and water production are minimal. Obtain pitot gauges. Release bridge plug and TOOH.

24 Flow back well (if needed) until returns diminish. TIH with retrieving head and 2-3/8" tubing and clean out to RBP at 4270' until sand returns and water production are minimal. Obtain pitot gauges. Release bridge plug and TOOH.

25. Flow back well (if needed) until returns diminish. TIH with retrieving head and 2-3/8" tubing and clean out to RBP at 4490' until sand returns and water production are minimal. Obtain pitot gauges. Release bridge plug and TOOH.

26. TIH with notched collar on 2-3/8" tubing and clean out to PBTD at 4822' until sand returns and water production are minimal. Obtain pitot gauges. TOOH.

27. TIH with 4728' of 2-3/8" tubing with standard seating nipple and one joint with expendable check on bottom. Tag fill and do final cleanout if necessary. Land tubing string.

28. ND BOP and NU independent wellhead. Pump off plug. **Take final Pitot gauge and gas, oil and water samples.**

29. Rig down and release rig.

Approve: _____ Approve: _____
Team Leader Drilling Superintendent

VENDORS:

Wireline:	To Be announced at a later date	
Fracturing:		
Production Engineer:	Office	326-9703
	Home	326-2381

LJB:ljb

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