

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

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
1835' FSL, 1690' FWL, Sec. 35, T-25-N, R-2-W, NMPM, Rio Arriba County

API # (assigned by OCD)
30-039-23473
5. Lease Number
Fee
6. State Oil & Gas Lease #
7. Lease Name/Unit Name
Hawk Federal
8. Well No.
3
9. Pool Name or Wildcat
Gavilan Mancos/Basin DK
10. Elevation:

Type of Submission

☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment

Type of Action

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

13. Describe Proposed or Completed Operations

It is intended to plug and abandon the subject well according to the attached procedure and wellbore diagram.

RECEIVED
MAY - 7 1996

OIL CON. DIV.
DIST. 3

SIGNATURE *Regina Bradfield* (ROS9) Regulatory Administrator May 6, 1996

(This space for State Use)

Approved by *Johnny Robinson* Title DEPUTY OIL & GAS INSPECTOR, DIST. #3 Date MAY - 7 1996

PLUG & ABANDONMENT PROCEDURE

4-19-96

Hawk Federal #3
Gavilan Mancos
SW Section 35, T-25-N, R-2-W
Rio Arriba Co., New Mexico

Note: All cement volumes use 100% excess outside pipe and 50' excess inside pipe. The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures.

1. Install and test location rig anchors. Prepare blow pit. Comply to all NMOCD, BLM, and Meridian safety regulations. MOL and RU daylight pulling unit. Conduct safety meeting for all personnel on location. NU relief line. Blow down well and kill with water as necessary. ND wellhead and NU BOP. Test BOP.
2. POH and tally 242 joints 2-3/8" tubing (7417'); visually inspect the tubing. If necessary, PU 2-3/8" workstring. Run 5-1/2" gauge ring to 7631' or as deep as possible.
3. **Plug #1 (Greenhorn perforations, 7631' - 7581')**: PU 5-1/2" cement retainer and RIH to 7631' and tag CIBP at 7631' or as deep as possible. Pump 50 bbls water. Mix and pump 12 sx Class B cement and spot a balanced plug inside casing on top of CIBP to isolate Greenhorn perforations. POH to 6700'.
4. **Plug #2 (Mancos perforations, 6700' - 6650')**: Set 5-1/2" cement retainer at 6700'. Pressure test tubing to 1000#. Load casing with water and pressure test to 500#. Mix 12 sx Class B cement and spot a balanced plug inside casing on top of cement retainer to cover Mancos perforations. POH to 5113'.
5. **Plug #3 (Mesaverde top, 5113' - 5013')**: Mix 17 sx Class B cement and spot a balanced plug inside casing to cover Mesaverde top. POH to 3430'.
6. **Plug #4 (Pictured Cliffs, Fruitland, Kirtland and Ojo Alamo tops, 3430' - 3044')**: Mix 50 sx Class B cement and spot a balanced plug inside casing covering PC to OA tops. POH.
7. **Plug #5 (Nacimiento top, 1660' - 1560')**: Perforate 3 HSC squeeze holes at 1660'. Establish rate into squeeze holes if casing tested. PU 5-1/2" cement retainer and RIH; set at 1610'. Establish rate into squeeze holes. Mix 47 sx Class B cement, squeeze 30 sx cement outside 5-1/2" casing and leave 17 sx cement inside casing. LD tubing.
8. **Plug #6 (466' - Surface)**: Perforate 3 HSC squeeze holes at 466'. Establish circulation out bradenhead valve. Mix and pump approximately 150 sx Class B cement down 5-1/2" casing, circulate good cement out bradenhead valve. Shut in well and WOC.
9. RD BOP and cut off wellhead below surface casing flange. Install P&A marker to comply with regulations. RD, MOL, cut off anchors, and restore location.

Recommended:


Operations Engineer

Approval:

Production Superintendent

Hawk Federal #3

Current

Gavilan Mancos

1835' FSL, 1690' FWL DPNO 27830

SW Section 35, T-25-N, R-2-W, Rio Arriba County, NM

Latitude/Longitude: 36.352051 / 107.022171

Today's Date: 5/3/96

Spud: 9/17/84

Completed: 1/3/85

Elevation: 7274' (GL)
7285' (KB)

Logs: IEL, CDL/CNL, CBL

Workovers: Sep, '88: Pull and LD
rods and 2-7/8" tbg; ran 2-3/8" tbg.

Nacimiento @ 1610'

Ojo Alamo @ 3094'

Kirtland @ 3228'

Fruitland @ 3270'

Pictured Cliffs @ 3380'

Mesaverde @ 5063'

Gallup @ 6762'

Dakota @ 7821'

12-1/4" hole

9-5/8", 32.3#, K-55, Csg set @ 416'.
Cmt w/266 cf (225 sx)(Circulated to Surface)

TOC @ 2100 (TS)

242 jts 2-3/8", 4.7#, J-55, tbg set @ 7417',
(SN @ 7387')

DV Tool @ 3677'
Cmt w/817 cf (523 sx)

TOC @ 4030' (75%)

DV Tool @ 5740'
Cmt w/395 cf (302 sx)

TOC @ 6114' (CBL)

Mancos Perforations:
6742' - 6999', 7218' - 7435',
Total 36 holes

CIBP @ 7631'

Greenhorn Perforations:
7646' - 7693', Total 4 holes
CIBP @ 7651'

CIBP @ 7843'

Dakota Perforations:
7896' - 7911', Total 5 holes

FC @ 7911'

5-1/2", 17.0 & 15.5#, K-55 & N-80, Csg set @ 7957',
Cmt w/565 cf (430 sx)

PBTD 7631'

TD 7957'

7-7/8" hole

Initial Potential	Production History	Gas	Oil	Ownership	Pipeline
Initial AOF: N/A	Cumulative:	377.3 MMcf	161.4 Mbo	GW: 32.81%	EPNG
Current SICP: N/A	Current:	9.7 Mcfd	0.0 bbls/d	NRI: 27.35%	
				TRUST: 00.00%	

Hawk Federal #3

Proposed P & A

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Dakota @ 7821'

12-1/4" hole

466'

1560'

1660'

3044'

3430'

5013'

5113'

6650'

7581'

PBTD 7631'

7-7/8" hole

TD 7957'

Plug #6: 466' - Surface.
Cmt w/150 sx Class B Cmt

9-5/8", 32.3#, K-55, Csg set @ 416',
Cmt w/266 cf (225 sx)(Circulated to Surface)

Perforate @ 466'

Plug #5: 1660' - 1560',
Cmt w/47 sx Class B Cmt.
30 sx outside csg & 17 sx
inside csg

Cmt Retainer @ 1610'

Perforate @ 466'

TOC @ 2100 (TS)

Plug #4: 3430' - 3044',
Cmt w/50 sx Class B Cmt

DV Tool @ 3677'
Cmt w/817 cf (523 sx)

TOC @ 4030' (75%)

Plug #3: 5113' - 5013',
Cmt w/17 sx Class B Cmt

DV Tool @ 5740'
Cmt w/395 cf (302 sx)

TOC @ 6114' (CBL)

Plug #2: 6700' - 6650',
Cmt w/12 sx Class B Cmt

Cmt Retainer @ 6700'

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Pipeline

EPNG