

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

Sundry Notices and Reports on Wells

1. Type of Well GAS	API # (assigned by OCD) 30-039-23339
	5. Lease Number Fee
	6. State Oil&Gas Lease #
2. Name of Operator MERIDIAN OIL	7. Lease Name/Unit Name Hawk Federal
	8. Well No. 2
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	9. Pool Name or Wildcat Gavilan Mancos/ Barin DK
4. Location of Well, Footage, Sec., T, R, M 910' FNL, 1840' FWL, Sec.35, T-25-N, R-2-W, NMPM, Rio Arriba County	10. Elevation: 666

Type of Submission		Type of Action	
<input checked="" type="checkbox"/> Notice of Intent	<input checked="" type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans	
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction	
<input type="checkbox"/> Final Abandonment	<input 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 Injection	
	<input type="checkbox"/> Other -		

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 21 1996
OIL CON. DIV.
DIST. 3

SIGNATURE *Ray Starnes* (ROS9) Regulatory Administrator May 20, 1996

(This space for State Use)

Approved by *Johnny Robinson* Title DEPUTY OIL & GAS INSPECTOR, DIST. #3 Date MAY 23 1996

* Notify OCD in time to witness

PLUG & ABANDONMENT PROCEDURE

5-6-96

Hawk Federal #2
Gavilan Mancos
NW 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 243 jts 2-3/8", 4.7#, J-55, Tubing (7453'); visually inspect the tubing. If necessary, PU 2-3/8" workstring. Run 5-1/2" gauge ring to 7730' or as deep as possible.
3. **Plug #1 (Dakota formation, 7730' - 7680')**: PU 5-1/2" cement retainer and RIH to 7730' 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 cement retainer to isolate Dakota formation. POH to 6716'.
4. **Plug #2 (Mancos perforations and Gallup top, 6716' - 6666')**: Set 5-1/2" cement retainer at 6716'. Pressure test tubing to 1000#. Load casing with water and pressure test to 500#. Mix 12 sx Class B cement and spot above retainer to cover Gallup top. POH to 5158'.
5. **Plug #3 (Mesaverde top, 5158' - 5058')**: Mix 17 sx Class B cement and spot a balanced plug inside casing to cover Mesaverde top. POH to 3448'.
6. **Plug #4 (Pictured Cliffs, Fruitland, Kirtland and Ojo Alamo tops, 3448' - 3016')**: Mix 55 sx Class B cement and spot a balanced plug inside casing to cover Ojo Alamo top. POH with tubing. Pressure test casing to 500#.
7. **Plug #5 (Nacimiento top, 1685' - 1585')**: Perforate 3 HSC squeeze holes at 1685'. Establish rate into squeeze holes if casing tested. PU 5-1/2" cement retainer and RIH; set at 1635'. Establish rate into squeeze holes. Mix 60 sx Class B cement, squeeze 43 sx cement outside 5-1/2" casing and leave 17 sx cement inside casing to cover Nacimiento top. POH and LD tubing and setting tool.
8. **Plug #6 (385' - Surface)**: Perforate 3 HSC squeeze holes at 385'. Establish circulation out bradenhead valve. Mix and pump approximately 131 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 #2

Current

910' FNL, 1840' FWL DPNO 27807

Gavilan Mancos

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

Latitude/Longitude: 36.359207 / 107.021637

Today's Date: 5/6/96

Spud: 1/30/84

Completed: 3/25/84

Elevation: 7319' (GL)
7331' (KB)

Logs: IEL, CDL-CNL,
CBL. After frac GR &
Temp.

Nacimiento @ 1635'

Ojo Alamo @ 3066'

Kirtland @ 3267'

Fruitland @ 3290'

Pictured Cliffs @ 3398'

Mesaverde @ 5108'

Gallup @ 6692'

Dakota @ 7839'

12-1/4" hole

8-3/4" hole

7-7/8" hole

9-5/8", 36.0#, K-55, 8rd, Csg set @ 335'.
Cmt w/319 cf (270 sx)(Circulated to Surface)

WORKOVER HISTORY

5/85: Hot oiled tbg, POH and LD
rods, Land tbg at 7423'.

TOC @ 2704' (CBL)

DV Tool @ 3580'
Cmt w/572 cf (460 sx)

Changed Drill bits from 8-3/4" to 7-7/8" @ 3881'

TOC @ 4846' (CBL)

243 jts 2-3/8" 4.7# tbg @ 7453'

DV Tool @ 5860'
Cmt w/ 420 cf

TOC @ 6270' (CBL)

Mancos Perforations:
Upper: 6766' - 7025', Total 27 holes;
Lower: 7312' - 7448', Total 10 holes

Cmt Retainer @ 7730'

Dakota Perforations:
7832' - 7914', Total 6 holes

5-1/2", 15.5 & 17.0#, K-55, 8rd, Csg set @ 8160',
Cmt w/652 cf (510 sx)

PBTD 8116'

TD 8160'

Initial Potential

Initial AOF: N/A
Current SICP: N/A

Production History

Cumulative:
Current:

Gas

449.6 MMcf
0.0 Mcfd

Oil

102.2 Mbo
0.0 bbls/d

Ownership

GW: 76.41%
NRI: 62.73%
TRUST: 00.00%

Pipeline

EPNG

Hawk Federal #2
Proposed P&A
910' FNL, 1840' FWL DPNO 27807
Gavilan Mancos
NW Section 35, T-25-N, R-2-W, Rio Arriba County, NM
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 CBL, After frac GR &
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Nacimiento @ 1635'

Ojo Alamo @ 3066'

Kirtland @ 3267'

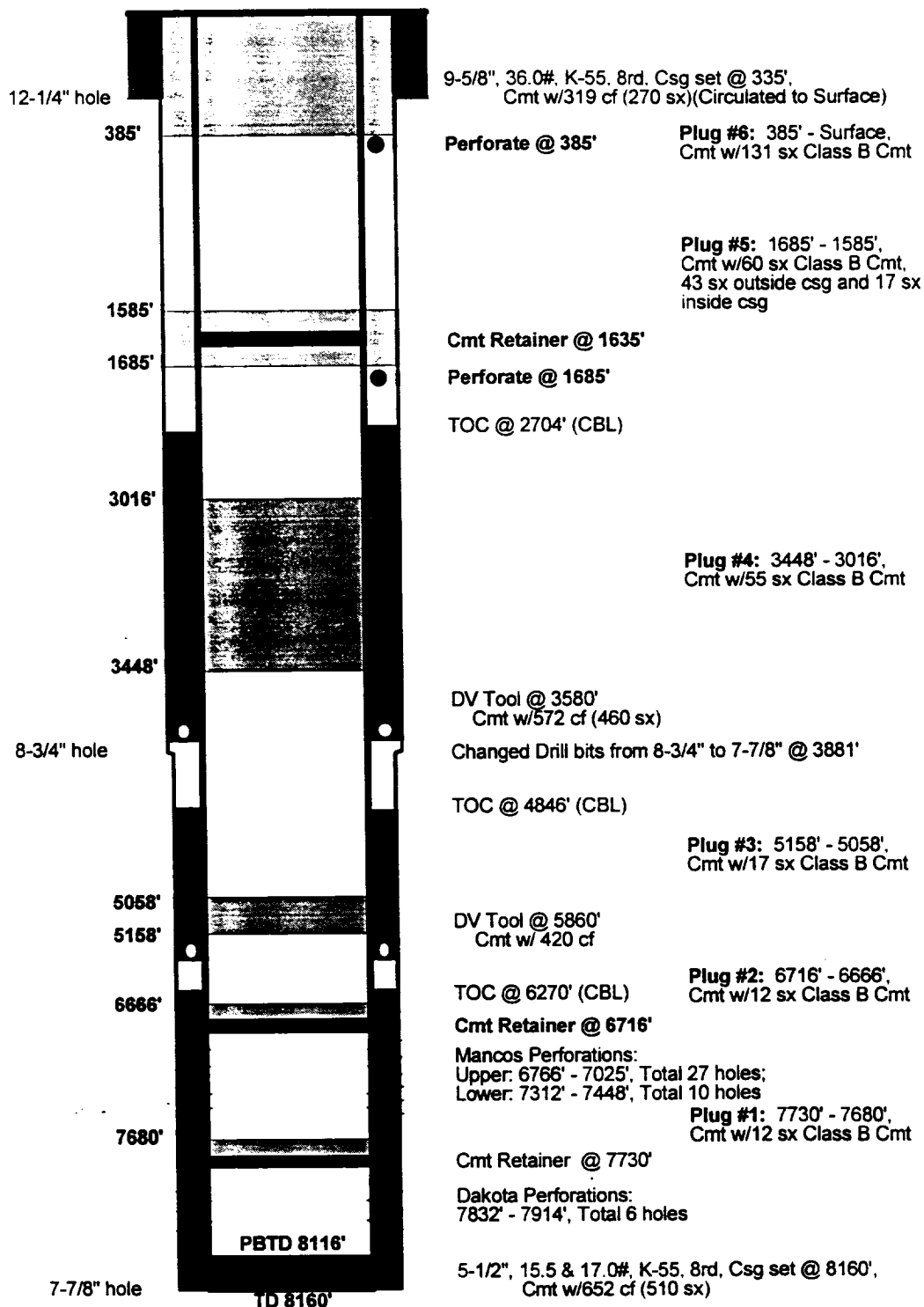
Fruitland @ 3290'

Pictured Cliffs @ 3398'

Mesaverde @ 5108'

Gallup @ 6692'

Dakota @ 7839'



Initial Potential		Production History	Gas	Oil	Ownership		Pipeline
Initial AOF:	N/A	Cumulative:	449.6 MMcf	102.2 Mbo	GWI:	76.41%	EPNG
Current SICP:	N/A	Current:	0.0 Mcfd	0.0 bbls/d	NR:	62.73%	
					TRUST:	00.00%	