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

			API	# (assigned by OCD)
			-	30-039-23473
. Т	<pre>ype of Well GAS</pre>		5.	Lease Number Fee
	GAS		6.	State Oil&Gas Lease #
. N	ame of Operator		7.	Lease Name/Unit Name
	MERIDIAN OIL			Hawk Federal
			8.	Well No.
. <i>P</i>	ddress & Phone No. of Operat		_	3
	PO Box 4289, Farmington, NM	87499 (505) 326-9700	9.	Pool Name or Wildcat Gavilan Mancos/Basin I
. T	ocation of Well, Footage, Se	c., T, R, M	10.	Elevation:
1	835'FSL, 1690'FWL, Sec.35,	-25-N, R-2-W, NMPM, Rio Arriba	County	
	of Submission	Type of Action		
1	ype of Submission X Notice of Intent		of Pla	ans
			nstruc	tion
	Subsequent Report			Fracturing
		<u> </u>	Shut o	
	Final Abandonment	Altering Casing Conver	sion to	o Injection
		Other		
3.		abandon the subject well accor	ding t	o the attached
.3.		abandon the subject well accor		MAY - 7 1996 CON. DIV.

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. 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

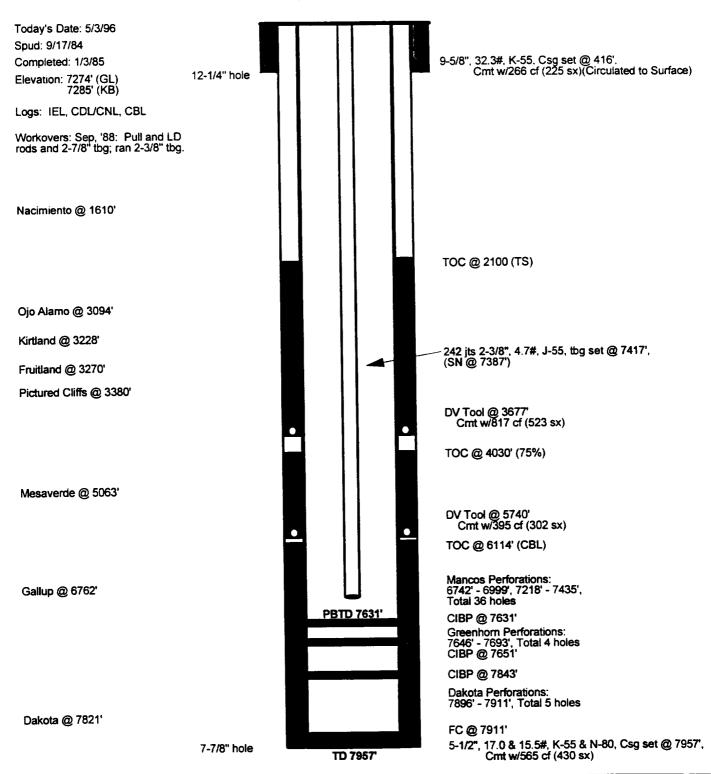
Current

Gavilan Mancos

1835' FSL, 1690' FWL DPNO 27830

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

Latitude/Longtitude: 36.352051 / 107.022171



Initial Potential		Production History	<u>Gas</u>	<u>Oil</u>	<u>Ownership</u>		<u>Pipeline</u>
Initial AOF: Current SICP:	N/A N/A	Current:	377.3 MMcf 9.7 Mcfd	161.4 Mbo 0.0 bbls/d	GWI: NRI: TRUST:	32.81% 27.35% 00. 00 %	EPNG

Hawk Federal #3

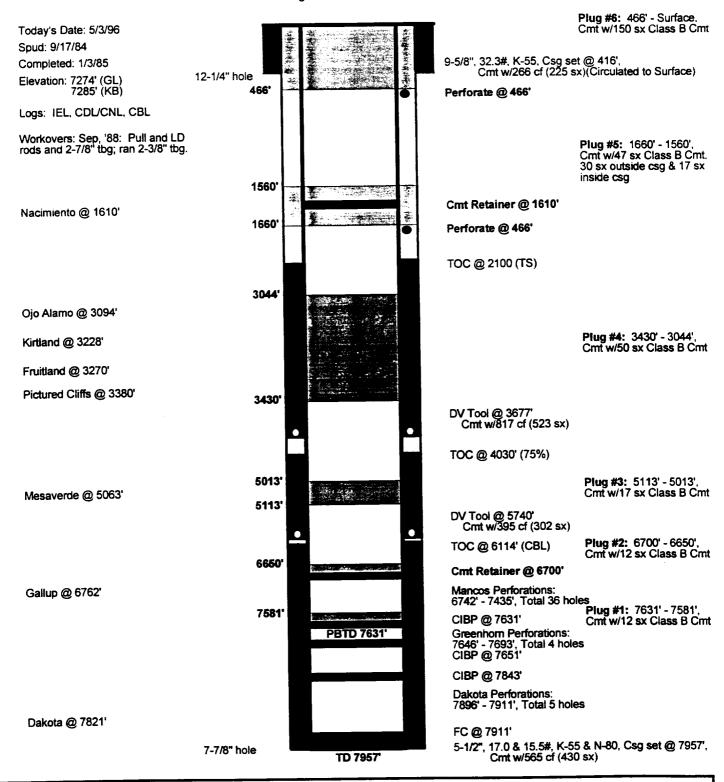
Proposed P & A

Gavilan Mancos

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