

submitted in lieu of Form 3160-5

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
Sundry Notices and Reports on Wells

<p>1. Type of Well Oil</p> <p>2. Name of Operator Hollis Vaughn</p> <p>3. Address & Phone No. of Operator HC 64 P.O. Box 28, Magdalena, NM 87825 (505) 772-5786</p> <p>Location of Well, Footage, Sec., T, R, M NW 1/4, SE 1/4, Sec. 15, T-24-N, R-9-W,</p>	<p>5. Lease Number SF- 078859D</p> <p>6. If Indian, All. or Tribe Name</p> <p>7. Unit Agreement Name</p> <p>8. Well Name & Number Jackson Federal #1</p> <p>9. API Well No. 30-045-05112</p> <p>10. Field and Pool Bisti Lower Gallup</p> <p>11. County & State San Juan County, NM</p>
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12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA

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

Operator proposes to plug and abandon this well per the attached procedure.

RECEIVED
SEP 13 1999
OIL CON. DIV.
DIST. 3

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

Signed Hollis L. Vaughn Title Owner / Operator Date 8-23-99

(This space for Federal or State Office use)
APPROVED BY /s/ Errol Becher Title Team Lead, Petroleum Management Date SEP 13 1999
CONDITION OF APPROVAL, if any:

PLUG & ABANDONMENT PROCEDURE

8-23-99

Jackson Federal #1
Lower Bisti Gallup
NW, SE, Section 15, T-24-N, R-9-W
San Juan 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 with all NMOCD, and BLM safety regulations. MOL and RU daylight pulling unit. Conduct safety meeting for all personnel on location. NU relief line. Blow down well; kill with water as necessary. ND wellhead and NU BOP. Test BOP.
2. PU on tubing and unseat pump. Reseat pump and pressure test tubing to 700#. May be necessary to hot oil tubing and casing. TOH and LD rods with pump. Release anchor and TOH and tally 2-3/8" tubing; visually inspect the tubing.
3. **Plug #1 (Gallup perforations and top, 5470' - 5055')**: Load casing with water and establish circulation. Mix 48 sxs Class B cement (50% excess, long plug) and spot a balanced plug inside casing to fill the Gallup perforation. TOH with tubing and WOC. TIH and tag cement. Pressure test casing to 500#. If casing does not test, spot or tag subsequent plug as appropriate. TOH.
4. **Plug #2 (Mesaverde top, 2628' - 2528')**: Perforate 3 squeeze holes at 2628'. Establish rate into squeeze holes if casing tested. TIH and set 4-1/2" cement retainer at 2578'. Establish rate under retainer into squeeze holes. Mix 51 sxs Class B cement, squeeze 39 sxs outside casing and spot 12 sxs inside to cover Mesaverde top. TOH with tubing.
5. **Plug #3 (Pictured Cliffs and Fruitland tops, 1780' - 1635')**: Perforate 3 squeeze holes at 1780'. Establish rate into squeeze holes if casing tested. TIH and set 4-1/2" cement retainer at 1730'. Establish rate under retainer into squeeze holes. Mix 151 sxs Class B cement, squeeze 123 sxs outside casing and spot 28 sxs inside to cover PC and Fruitland tops. TOH.
6. **Plug #4 (Kirtland and Ojo Alamo tops, 1185' - 888')**: Perforate 3 squeeze holes at 1185'. Establish rate into squeeze holes if casing tested. TIH and set 4-1/2" cement retainer at 1135'. Establish rate into squeeze holes. Mix 142 sxs Class B cement, squeeze 115 sxs outside casing and spot 27 sxs inside to cover Ojo Alamo interval. TOH and LD tubing.
7. **Plug #5 (8-5/8" Casing shoe at 201')**: Perforate 3 HSC squeeze holes at 251'. Establish circulation out bradenhead valve. Mix and pump approximately 100 sxs Class B cement down the 4-1/2" casing from 251' to surface, circulate good cement out bradenhead valve. Shut in well and WOC.
8. ND BOP and cut off wellhead below surface casing. Install P&A marker to comply with regulations. RD, MOL, cut off anchors, and restore location.

Jackson Federal #1

Current

Bisti Lower Gallup

SE, Section 15, T-24-N, R-9-W, San Juan County, NM

Today's Date: 8/23/99
Spud: 6/9/61
Completed: 6/29/61
Elevation: 6821' (GL)

Ojo Alamo @ 938'

Kirtland @ 1135'

Fruitland @ 1512'

Pictured Cliffs @ 1730'

Mesaverde @ 2578'

Gallup @ 5104'

12-1/4" hole

8-5/8" 24# Casing set @ 201'
100 sxs cement (Circulated to Surface)

Well History

Packer set during the mid 1970's due to a casing leak. No rod jobs during last 20 years.

Dec '98: Rod job: attempted to pull pump, rods parted; covered with paraffin.

Feb '99: Casing Repair: Release packer and pull tubing; isolate casing leaks and squeeze with 75 sxs cmf; drill out and PT, OK; TIH with tubing, rods and pump; heavy paraffin build up in tubing.

2-3/8" Tubing at 5372'

Casing leak 1971' - 2002', sqz w/75 sxs (Feb '99)

TOC @ 4978' (Calc, 75%)

Gallup Perforations:
5372' - 5420'

4-1/2" 9.5# Casing Set @ 5464'
Cemented with 125 sxs

7-7/8" Hole

PBTD ??

TD 5464'