

01/08/1994 20:58

505-325-1211

4-PLUS WELL SERVICE

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submitted in lieu of Form 3160-5

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

1. Type of Well
Oil

2. Name of Operator
Hollis Vaughn

3. Address & Phone No. of Operator
HC 64 P.O. Box 28, Magdalena, NM 87825 (505) 772-5786

Location of Well, Footage, Sec., T, R, M
NW 1/4, SE 1/4, Sec 15, T-24-N, R-9-W.

5. Lease Number
SF-078859D

6. If Indian, All. or
Tribe Name

7. Unit Agreement Name

8. Well Name & Number
Jackson Federal #1

9. API Well No.
30-045-05112

10. Field and Pool
Blstr Lower Gallup

11. County & State
San Juan County, NM

12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA

Type of Submission

☒ Notice of Intent

☐ Subsequent Report

☐ Final Abandonment

Type of Action

☐ Abandonment

☐ Recompletion

☐ Plugging Back

☒ Casing Repair

☐ Altering Casing

☒ Other - Possibly P&A if casing too bad to repair

☐ Change of Plans

☐ New Construction

☐ Non-Routine Fracturing

☐ Water Shut off

☐ Conversion to Injection

13. Describe Proposed or Completed Operations

Operator proposes to workover this well per the attached procedure. If the packer can not be recovered or the casing leaks are extensive, then the well will be plugged and abandoned per the attached procedure

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

Signed

Hollis L. Vaughn

Title Owner / Operator

Date 2/11/99

(This space for Federal or State Office use)

APPROVED BY AS/Duane W. Spencer

Title

Date FEB 17 1999

CONDITION OF APPROVAL, if any:

NMOCD

To BLM

WORKOVER or PLUG & ABANDONMENT PROCEDURE

2-10-99

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.
2. ND wellhead and NU BOP. Test BOP. Attempt to release packer.
3. If packer releases then TOH and tally 2-3/8" tubing; visually inspect the tubing. May be necessary to hot oil tubing and casing. If necessary LD and PU tubing workstring. Round-trip 4-1/2" casing scraper to 5300'. Set wireline 4-1/2" top drillable CIBP or RPB at 5300'. Load casing with water and circulate clean. Pressure test casing to 750#. If casing does not test, then PU 4-1/2" full bore packer and isolate casing leak(s). Squeeze casing leaks with Class B cement, procedure to be determined after bad casing interval is known. WOC then drill out cement. Pressure test casing to 500#. Circulate well clean and remove CIBP or RPB. Possibly spot HCl acid across the perforations. TIH and land tubing. Run pump and rods. Return well to production.
4. If packer will not release after working tubing, then rig up wireline unit and go down tubing with wireline gauge ring. Jet cut or chemical cut tubing above parted rods. TOH and tally 2-3/8" tubing; visually inspect the tubing. May be necessary to hot oil tubing and casing. If necessary LD and PU tubing workstring. Round-trip 4-1/2" casing scraper to tubing stub. May attempt to fish stuck packer and then repair casing leak. May start to P&A well as follows:
5. **Plug #1 (Gallup perforations and top, 5470' - 5055')**: If packer not recovered, TIH with tubing to above tubing stub. Load casing with water and attempt to circulate well clean. Mix 12 sxs Class B cement and spot a balanced plug inside casing above the tubing stub to isolate Gallup interval. 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. If packer is recovered, then Plug #1 from 5470' to 5055' with 48 sxs Class B cement (50% excess, long plug) to fill Gallup perforations and cover top. WOC and tag cement.
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 71 sxs Class B cement, squeeze 56 sxs outside casing and spot 15 sxs inside to cover PC and Fruitland tops. TOH.

WORKOVER or PLUG & ABANDONMENT PROCEDURE

2-10-99

Jackson Federal #1

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6. **Plug #4 (Kirtland and Ojo Alamo tops, 1335' - 1110')**: Perforate 3 squeeze holes at 1335'. Establish rate into squeeze holes if casing tested. TIH and set 4-1/2" cement retainer at 1285'. Establish rate into squeeze holes. Mix 108 sxs Class B cement, squeeze 87 sxs outside casing and spot 21 sxs inside to cover Ojo Alamo interval. POH 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: 2/10/99

Spud: 6/9/61

Completed: 6/29/61

Elevation: 6821' (GL)

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.

Ojo Alamo @ 1160'

Kirtland @ 1285'

Fruitland @ 1685'

Pictured Cliffs @ 1730'

2-3/8" Tubing Set at 5435'
(rods parted a few joints above)

Mesaverde @ 2578'

Gallup @ 5105'

Packer, type and depth unknown

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'