

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: October 31, 2014

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.

Contract 430

6. If Indian, Allottee, or Tribe Name

Jicarilla Apache Tribe

SUBMIT IN TRIPLICATE - Other Instructions on page 2.

7. If Unit or CA/Agreement Name and/or No

1. Type of Well

Oil Well Gas Well Other

8. Well Name and No.

Jicarilla Contract 430 No. 009

2. Name of Operator

DJR Operating, LLC

9. API Well No.

30-043-20774

3a. Address

1600 Broadway, Suite 1960 Denver, CO 80202

3b. Phone No. (include area code)

303-595-7433

10. Field and Pool, or Exploratory Area

South Lindrith Gallup Dakota

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

UL 1, Section 36, T23N, R05W 2310' FSL, 660' FEL

11. County or Parish, State

Sandoval County, NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION				
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/ Resume)	<input type="checkbox"/> Water Shut-Off	
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity	
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____	
	<input type="checkbox"/> Change Plans	<input checked="" type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon		
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal		

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration if the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths or pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with the BLM/BIA. Required subsequent reports must be filed within 31 following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed (testing has been completed. Final Abandonment Notice must be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

10/14/2018 - 10/23/2018 This well has been plugged and abandoned per the attached report.

P&A marker installed and location recorded via GPS (photos attached)

ACCEPTED FOR RECORD

NOV 19 2018

NMOCD

NOV 29 2018

DISTRICT III

FARMINGTON FIELD OFFICE

By: _____

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)

Amy Archuleta

Title

Regulatory Manager

Signature

Date

November 2, 2018

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of approval, if any are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

NMOCD

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DJR Operating LLC

Plug And Abandonment End Of Well Report

Jicarilla Contract 430 No. 009

2310' FSL & 660' FEL, Section 36, T23N, R5W

Sandoval County, NM / API 30-043-20774

Work Summary:

- 10/14/18** Made BLM, NMOCD and Jicarilla P&A operations notifications at 9:00 AM MST.
- 10/15/18** MOL and R/U P&A unit. Checked well pressures: Tubing: 0 psi, Casing: 130 psi, Bradenhead: 0 psi. Bled down well. Flowed approximately 30 bbls of crude oil to rig pit. Pumped 20 bbls of fresh water down wellbore to kill well. N/D wellhead, N/U BOP and function tested. POOH with production tubing. Stood back a total of 129 joints of tubing. Found a total of 59 bad joints which were all laid down. Shut-in well for the day.
- 10/16/18** Checked well pressures: Tubing: 0 psi, Casing: 15 psi, Bradenhead: 0 psi. Bled down well. P/U casing scraper and tallied work string on the way in the hole. Round tripped casing scraper above top perforation at 5054'. P/U CR, TIH and set at 5004'. Pressure tested tubing to 1000 psi in which it successfully held pressure. Stung out of CR and circulated the hole clean with fresh water. Attempted to pressure test casing to 800 psi in which it failed to hold pressure. TOH with tubing. Shut-in well for the day.
- 10/17/18** Checked well pressures: Tubing: 0 psi, Casing: 5 psi, Bradenhead: 0 psi. Bled down well. Circulated wellbore with fresh water. R/U wireline services. Ran CBL from CR at 5004' to surface. CBL results were sent to NMOCD/BLM/Jicarilla offices for review. P/U cementing sub and TIH. Shut-in well for the day. Rod Velarde was Jicarilla inspector on location.

- 10/18/18** Checked well pressures: Tubing: 0 psi, Casing: 20 psi, Bradenhead: 0 psi. Bled down well. R/U cementing services. Pumped plug #1 from 5004'-4854' to cover the Gallup perforations and formation top. WOC 4 hours. TIH and tagged plug #1 top at 4880'. Pressure tested casing to 800 psi in which it failed to hold pressure. R/U cementing services. Pumped plug #2 from 4460'-4310' to cover the Mancos formation top. Shut-in well for the day. WOC overnight. Rod Velarde was Jicarilla inspector on location.
- 10/19/18** Checked well pressures: Tubing: 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. TIH to tag plug #2 top but plug top was never found. TIH deeper than the expected plug interval but never tagged cement. R/U cementing services. Re-pumped plug #2 from 4460'-4260' to cover the Mancos formation top. WOC 4 hours. TIH and tagged plug #2 top at 4300'. Pressure tested casing to 800 psi in which it failed to hold pressure. R/U cementing services. Pumped plug #3 from 4210'-3405' to cover the Mesa Verde formation top. WOC overnight. Shut-in well for the day. Rod Velarde was Jicarilla inspector on location.
- 10/20/18** Checked well pressures: Tubing: 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. TIH and tagged plug #3 top at 3460' which was 55' short of the minimum tag depth. R/U cementing services. Topped-off plug #3 from 3460'-3260'. WOC 4 hours. TIH and tagged plug #3 top at 3313'. Pressure tested casing to 800 psi in which it failed to hold pressure. R/U cementing services. Pumped plug #4 from 2853'-2500' to cover the Mesa Verde formation top. WOC 4 hours. TIH and tagged plug #4 top at 2530'. Pressure tested casing to 800 psi in which it failed to hold pressure. Shut-in well for the day. Rod Velarde was Jicarilla inspector on location.
- 10/22/18** Checked well pressures: Tubing: 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. R/U wire line services. RIH and perforated squeeze holes at 2015'. P/U CR, TIH and set at 1510'. Stung out of CR and pressure tested casing to 800 psi in which it successfully held pressure. Stung back into CR and attempted to establish injection rate into perforations at 2015' but was unsuccessful. P/U bit and milled out CR slips and pushed CR past 2090'. TOH with bit. P/U cementing sub and TIH to 2065'. R/U cementing services. Received approval from BLM/NMOCD engineers to spot a balanced plug to cover Pictured Cliffs and Fruitland formation tops. Pumped a balanced plug from 2065'-1680' to cover the Pictured Cliffs and Fruitland formation tops. WOC overnight. Shut-in well for the day. Rod Velarde was Jicarilla inspector on location.
- 10/23/18** Checked well pressures: Tubing: 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. Pressure tested casing to 800 psi in which it

successfully held pressure. TIH and tagged plug #5 interval at 1678'. R/U wire line services. RIH and perforated squeeze holes at 1650'. Attempted to establish injection rate into perforations at 1650' but was unsuccessful. BLM/NMOCD engineers approved spotting a balanced plug to cover the Kirtland formation top. R/U cementing services. Pumped the upper interval of plug #5 from 1678'-1360' to cover the Kirtland formation top. R/U wire line services. RIH and perforated squeeze holes at 600'. Attempted to establish injection rate into perforations at 600' but was unsuccessful. BLM/NMOCD engineers approved spotting a balanced plug from 620'-420'. R/U cementing services. Pumped a balanced plug from 620'-420'. R/U wireline services. RIH and perforated squeeze holes at 390'. Attempted to establish circulation through perforations at 390' and around and out Bradenhead valve at surface but was unsuccessful. R/U cementing services. Pumped the second interval of the surface plug from 420'-250'. R/U wire line services. RIH and perforated at 215'. Successfully established circulation through perforations at 215' and back around and out Bradenhead valve at surface. R/U cementing services. Successfully circulated cement down through perforations at 215' and back around and out Bradenhead valve at surface. N/D BOP and cut-off wellhead. Cement was at surface in both surface and production casings. Installed P&A marker per BLM and NMOCD standards. Topped-off well with 40 sx of cement. Took a picture of the P&A marker in place and recorded its location via GPS coordinates. Rod Velarde was Jicarilla inspector on location.

Plug Summary:

Plug #1: (Gallup Perforations and Formation Top 5004'-4880', 12 Sacks Class G Cement)

Mixed 12 sx Class G cement and spotted a balanced plug to cover the Gallup perforations formation top.

Plug #2: (Mancos Formation Top 4460'-4300', 28 Sacks Class G Cement(Re-pumped 16 sx))

Mixed 12 sx Class G cement and spotted a balanced plug to cover the Mancos formation top. Re-pumped 16 sx balanced plug to cover Mancos formation top.

Plug #3: (Mesa Verde Formation Top 4210'-3313', 79 Sacks Class G Cement)

Mixed 79 sx Class G cement and spotted a balanced plug to cover the Mesa Verde formation top.

Plug #4: (Chacra Formation Top 2853'-2530', 28 Sacks Class G cement)

Mixed 28 sx Class G cement and spotted a balanced plug to cover the Chacra formation top

Plug #5: (Pictured Cliffs, Fruitland, Kirtland Formation Tops 2065'-1360', 55 Sacks Class G Cement)

RIH and perforated squeeze holes at 2015'. P/U CR, TIH and set at 1510'. Attempted to establish injection rate into perforations at 2015' but was unsuccessful. P/U bit and milled out CR slips and pushed CR past 2090'. TOH with bit. P/U cementing sub and TIH to 2065'. R/U cementing services. Received approval from BLM/NMOCD engineers to spot a balanced plug to cover the Pictured Cliffs and Fruitland formation tops. Pumped a balanced plug from 2065'-1680' to cover the Pictured Cliffs and Fruitland formation tops. WOC overnight. TIH and tagged plug #5 interval at 1678'. R/U wire line services. RIH and perforated squeeze holes at 1650'. Attempted to establish injection rate into perforations at 1650' but was unsuccessful. BLM/NMOCD engineers approved spotting a balanced plug to cover the Kirtland formation top. R/U cementing services. Pumped the upper interval of plug #5 from 1678'-1360' to cover the Kirtland formation top.

Plug #6: (Nacimiento Formation Top and Surface Shoe 620'-surface, 98 Sacks Class G Cement, 40 Sacks for top-off)

RIH and perforated squeeze holes at 600'. Attempted to establish injection rate into perforations at 600' but was unsuccessful. BLM/NMOCD engineers approved spotting a balanced plug from 620'-420'. R/U cementing services. Pumped a balanced plug from 620'-420'. R/U wireline services. RIH and perforated squeeze holes at 390'. Attempted to establish circulation through perforations at 390' and around and out Bradenhead valve at surface but was unsuccessful. R/U cementing services. Pumped the second interval of the surface plug from 420'-250'. R/U wire line services. RIH and perforated at 215'. Successfully established circulation through perforations at 215' and back around and out Bradenhead valve at surface. R/U cementing services. Successfully circulated cement down through perforations at 215' and back around and out Bradenhead valve at surface. N/D BOP and cut-off wellhead. Cement was at surface in both surface and production casings. Installed P&A marker per BLM and NMOCD standards. Topped-off well with 40 sx of cement. Took a picture of the P&A marker in place and recorded its location via GPS coordinates.

Wellbore Diagram

Jicarilla Contract 430 No. 009

API #: 3004320774

Sandoval Juan, New Mexico

Plug 6

620 feet - Surface

620 feet plug

98 sacks of Class G Cement

40 sacks for top-off

Plug 5

2065 feet - 1360 feet

705 feet plug

55 sacks of Class G Cement

Plug 4

2853 feet - 2530 feet

323 feet plug

28 sacks of Class G Cement

Plug 3

4210 feet - 3313 feet

897 feet plug

79 sacks of Class G Cement

Plug 2

4460 feet - 4300 feet

160 feet plug

28 sacks of Class G Cement

16 sacks re-pumped

Plug 1

5004 feet - 4880 feet

124 feet plug

12 sacks of Class G Cement

Surface Casing

8.625" 23# @ 200 ft

Formation

Ojo Alamo - 1521 ft

Kirtland - 1606 ft

Fruitland - 1871 ft

Pictured Cliffs - 2021 ft

Cliff House - 3511 ft

Menefee - 3571 ft

Point Lookout - 4191 ft

Mancos - 4431 ft

Gallup - 5253 ft

Sanostee - 5886 ft

Retainer @ 5004 feet

Production Casing

4.5" 10.5# @ 6110 ft

