

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

RECEIVED

MAR 19 2018

FORM APPROVED
OMB No. 1004-0135
Expires July 31, 1996

NMOC D

5. Lease Serial No. **MAR 26 2018**
Jicarilla Contract 360

6. If Indian, Allottee, or Tribe Name
Jicarilla Apache Tribe

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

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well
☒ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator
DJR Operating, LLC

3a. Address
PO BOX 156 Bloomfield, NM 87413

3b. Phone No. (include area code)
505-632-3476 x201

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
790' FNL & 790' FEL
"A" - Sec. 11-T22N-R3W

8. Well Name and No.
Bonanza 4

9. API Well No.
30-043-20519

10. Field and Pool, or Exploratory Area
W. Lindrith Gallup Dakota

11. County or Parish, State
Sandoval County, New Mexico

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

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

DJR Operating, LLC acidized this well on 3-13-18. The post job report is attached.

ACCEPTED FOR RECORD

MAR 21 2018

FARMINGTON FIELD OFFICE
By: 

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

Title

Regulatory Supervisor

Signature

Amy Archuleta

Date

March 16, 2018

THIS SPACE FOR FEDERAL OR STATE 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, makes it a crime for any person knowingly and willfully to make to 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 reverse)

NMOC D

**DJR
Bonanza 004
Foam Paragon Acid**

Sales Order: 0904710107

Post Job Report

For: Leonard Dee

Date: Tuesday, March 13, 2018

Notice: Although the information contained in this report is based on sound engineering practices, the copyright owner(s) does (do) not accept any responsibility whatsoever, in negligence or otherwise, for any loss or damage arising from the possession or use of the report whether in terms of correctness or otherwise. The application, therefore, by the user of this report or any part thereof, is solely at the user's own risk.

HALLIBURTON

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1.0 Pumping Schedule

1.1 Designed Pumping Schedule

Stage Number	Description	Flow Path	Fluid System	Clean Volume gal	Slurry Volume gal	Rate Stage Start bpm	Rate Stage End bpm
1	Pump-In	In	NITROGEN (N2) - GAS (13459)	0	0	0.0	0.0
2	Acid	In	PARAGON ACID DISPERSION - SBM (341781)	1004	1000	1.5	1.5
3	Flush	In	TREATED WATER	340	1128	1.5	1.5
4	Overflush	In	NITROGEN (N2) - GAS (13459)	2900	2900	0.0	0.0
5	Shut-In	In		0	0	0.0	0.0
Total				4244	5028		

1.2 Designed Pumping Schedule (continued)

Stage Number	Description	Stage Time min
1	Pump-In	0.00
2	Acid	15.87
3	Flush	5.37
4	Overflush	7.17
5	Shut-In	0.00
Total		28.41

1.3 Designed Surface Foam Schedule

Stage Number	Description	Sur Treat Temp °F	Sur Liq Rate Begin bpm	Sur Liq Rate End bpm	Sur Cln Qual Begin %	Sur Cln Qual End %
1	Pump-In	70.0	0.0	0.0	0.0	0.0
2	Acid	70.0	1.5	1.5	99.4	99.4
3	Flush	70.0	1.5	1.5	99.4	99.4
4	Overflush	70.0	0.0	0.0	100.0	100.0
5	Shut-In					

1.4 Designed BH Foam Schedule

Stage Number	Description	BH Treat Press psi	BH Treat Temp °F	BH Clean Foam Vol gal	BH Foam Rate Begin bpm	BH Foam Rate End bpm
1	Pump-In	985	70.0	0	0	0
2	Acid	985	70.0	3333	5	5
3	Flush	985	70.0	1128	5	5
4	Overflush	985	70.0	1054	3	3
5	Shut-In					
Total				5515		

1.5 Designed BH IPF Schedule

Stage Number	Description	BH IPF Begin %	BH IPF End %	BH Cln Qual Begin %	BH Cln Qual End %
1	Pump-In	0.0	0.0	0.0	0.0
2	Acid	70.0	70.0	70.0	70.0
3	Flush	70.0	70.0	70.0	70.0
4	Overflush	100.0	100.0	100.0	100.0
5	Shut-In				

2.0 Actual Stage Summary

2.1 Stage Summary

Stage Number	Stage Time ucts	Start Time ucts	End Time ucts	Time min	Pump Time min	Max Treat Pr psi	Max Slurry Rate bpm
1	13-Mar-18 11:25:06	11:17:58	13-Mar-18 11:25:06	7.16	4.32	1334	0.0
2	13-Mar-18 11:46:30	11:25:07	13-Mar-18 11:46:30	21.39	21.40	1618	1.3
3	13-Mar-18 12:00:58	11:46:32	13-Mar-18 12:00:58	14.48	11.87	1610	1.2
5	13-Mar-18 12:19:35	12:00:59	13-Mar-18 12:19:35	18.61	0.12	1671	0.0

Stage Number	Stage Time ucts	Max Wellhead Rate bpm	Avg Treating Pressure psi	Avg Clean Rate bpm	Avg Slurry Rate bpm	Avg Wellhead Rate bpm	Avg Hydraulic Horsepower hp
1	13-Mar-18 11:25:06	18.5	862	0.0	0.0	8.9	0
2	13-Mar-18 11:46:30	9.0	1426	1.0	1.0	5.9	37
3	13-Mar-18 12:00:58	3.8	1522	1.0	1.0	2.9	36
5	13-Mar-18 12:19:35	1.4	1667	0.0	0.0	1.0	0

Stage Number	Stage Time ucts	Clean Volume gal	Slurry Volume gal	Wellhead Volume gal
1	13-Mar-18 11:25:06	0	0	1611
2	13-Mar-18 11:46:30	943	943	5309
3	13-Mar-18 12:00:58	475	475	1440

HALLIBURTON

N/A
N/A Stage 1
djr bonanza 004

Stage Number	Stage Time ucts	Clean Volume gal	Slurry Volume gal	Wellhead Volume gal
5	13-Mar-18 12:19:35	21	21	5
Total		1440	1440	8365

2.2 Foam Stage Summary

Stage Number	Start Time ucts	Max Well Head Rate bpm	Avg Well Head Rate bpm	WH Volume gal	Max N2 Standard Rate scfm	Avg N2 Standard Rate scfm	Avg IPF %	Avg Clean Quality %	Avg N2 CQ %	N2 Standard Volume scf
1	11:17:58	18.5	8.9	1611	5035	3064	100.0	100.0	100.0	13273
2	11:25:07	9.0	5.9	5309	4384	3122	75.5	75.5	78.9	63830
3	11:46:32	3.8	2.9	1440	1688	1347	66.1	66.1	68.7	15382
5	12:00:59	1.4	1.0	5	807	421	100.0	100.0	100.0	76
Total				8365						92561

2.3 Bottom Hole Stage Summary

Stage Number	Start Time ucts	Max BH Pressure psi	Avg BH Pressure psi	Max BH Rate bpm	Avg BH Rate bpm
WB/SL	00:00:00	-15	-15	0.0	0.0
WB/SL	00:00:00	-15	-15	0.0	0.0
1	11:24:37	2408	2408	10.9	7.6
2	11:27:58	2708	2428	9.7	3.8
3	11:56:01	3586	2617	2.0	0.2

2.4 BH Foam Stage Summary

Stage Number	Start Time ucts	Max BH Rate bpm	Avg BH Rate bpm	BH Volume gal	BH N2 Volume scf	Avg BH IPF %	BH N2 Clean Quality %
WB/SL	00:00:00	0.0	0.0	17		0.0	0.0

HALLIBURTON

N/A
N/A Stage 1
djr bonanza 004

Stage Number	Start Time ucts	Max BH Rate bpm	Avg BH Rate bpm	BH Volume gal	BH N2 Volume scf	Avg BH IPF %	BH N2 Clean Quality %
WB/SL	00:00:00	0.0	0.0	1109		0.0	0.0
1	11:24:37	10.9	7.6	537		100.0	100.0
2	11:27:58	9.7	3.8	3600		72.4	72.4
3	11:56:01	2.0	0.2	141		55.7	55.7
Total				5404	80189		

3.0 Performance Highlights

3.1 Job Summary

Start Time	13-Mar-18 11:07:09	ucts
End Time	13-Mar-18 12:19:35	ucts
Pump Time	37.70	min
Start Averaging Time	13-Mar-18 11:17:58	ucts
End Averaging Time	13-Mar-18 12:19:35	ucts
Max Treating Pressure	1671	psi
Max Slurry Rate	1.3	bpm
Max Wellhead Rate	18.5	bpm
Max N2 Standard Rate	5035	scfm
Max Gel Rate	1.2	bpm
Max Acid Rate	1.3	bpm
Avg Treating Pressure	1393	psi
Avg Clean Rate	0.9	bpm
Avg Slurry Rate	0.9	bpm
Avg Wellhead Rate	5.3	bpm
Avg N2 Standard Rate	2546	scfm
Avg Gel Rate	0.3	bpm
Avg Acid Rate	0.6	bpm
Avg IPF	75.4	%
Avg Clean Quality	75.4	%
Avg N2 CQ	78.3	%
Avg Hydraulic Horsepower	31	hp
Clean Volume	1440	gal
Slurry Volume	1440	gal
Wellhead Volume	8365	gal
N2 Standard Volume	92561	scf
Gel Volume	497	gal
Acid Volume	943	gal
BH Max Treating Pressure	3586	psi
BH Avg Treating Pressure	2505	psi
BH Max Rate	10.9	bpm
BH Avg Rate	2.5	bpm
BH Avg N2 Clean Quality	67.1	%
BH Avg IPF	67.1	%
Load to Recover	1440	gal
Volumes Pumped	Total	Units
PARAGON ACID DISPERSION - SBM (341781)	1000	gal

HALLIBURTON

N/A
N/A Stage 1
djr bonanza 004

Start Time	13-Mar-18 11:07:09	ucts
TREATED WATER	475	gal

Disclaimer: The average and maximum values (except volumes and bottom hole values) are based on the start and end averaging times.

3.2 Job Stage Log

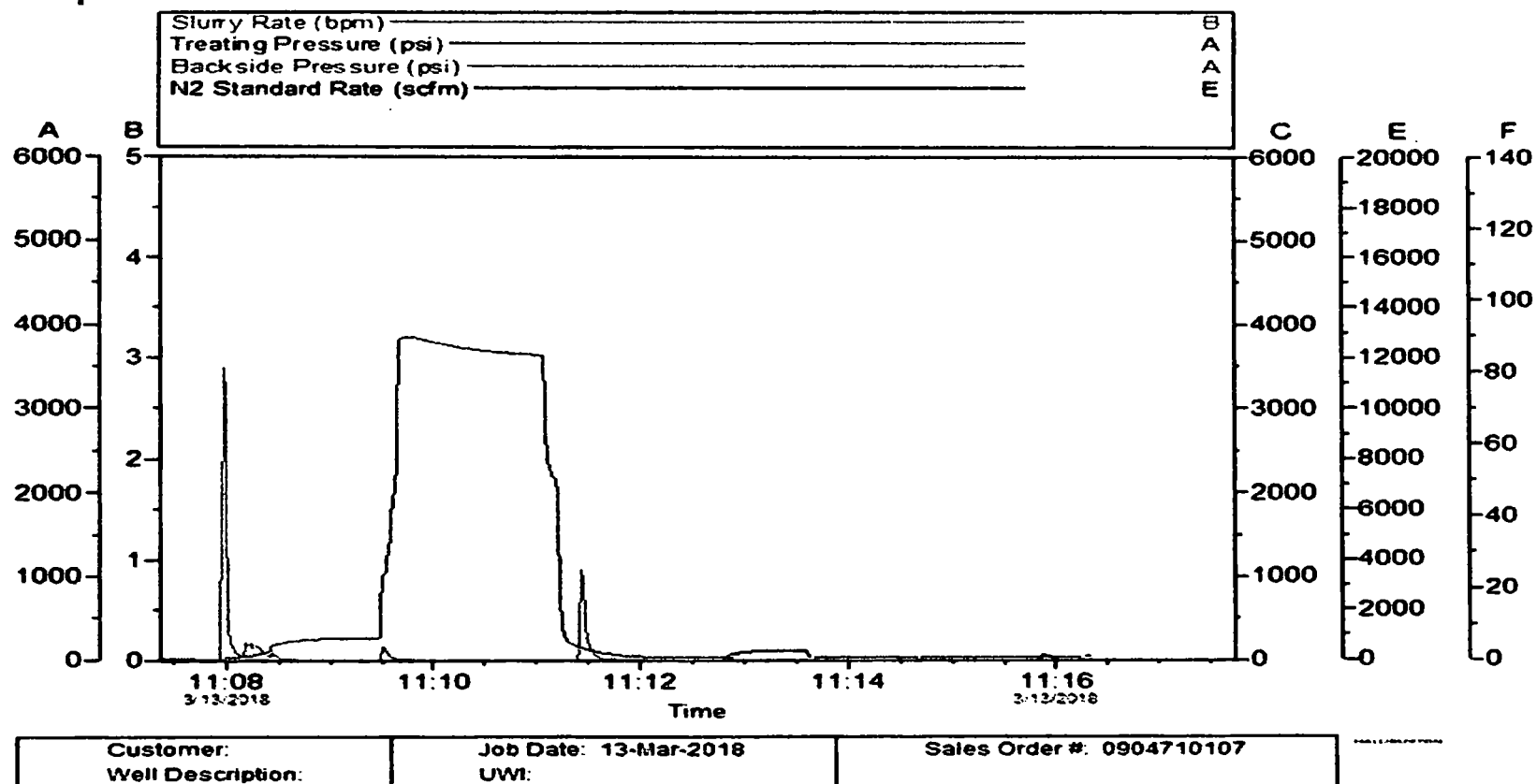
Time ucts	Description	Comment
13-Mar-18 11:17:57	Stage 1	Pump-In
11:25:07	Stage 2	Acid
11:46:31	Stage 3	Flush
12:00:59	Stage 5	Shut-In

3.3 Job Event Log

Stage Number	Event Number	Time ucts	Description	Comment
	1	13-Mar-18 11:07:06	Start Job	Starting Job
1		11:17:57	Stage 1	Pump-In
		11:17:58	Start Averaging	Start Avg Trt 1
2		11:25:07	Stage 2	Acid
3		11:46:31	Stage 3	Flush
5		12:00:59	Stage 5	Shut-In
		12:19:35	End Averaging	End Avg Trt 1
	2	12:19:38	End Job	Ending Job

4.0 Attachments

4.1 pressure test



4.2 foam paragon treatment

