

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010

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.
NMSF079003

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

7. If Unit or CA/Agreement, Name and/or No.
892000929C

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

8. Well Name and No.
NEBU 68A

2. Name of Operator
DEVON ENERGY PRODUCTION CO

Contact: GAYLAN G BUNAS
Email: GAYLAN.BUNAS@DVN.COM

9. API Well No.
30-039-27448-00-D1

3a. Address
20 N BROADWAY STE 1500
OKLAHOMA CITY, OK 73102

3b. Phone No. (include area code)
Ph: 405-552-4594
Fx: 405-552-7694

10. Field and Pool, or Exploratory
BASIN DAKOTA
BLANCO MESAVERDE

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

Sec 2 T30N R7W NENE 555FNL 430FEL
36.847330 N Lat, 107.532833 W Lon

11. County or Parish, and State
RIO ARRIBA COUNTY, NM

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" 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 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 checked="" type="checkbox"/> Other Workover Operations
	<input type="checkbox"/> Change Plans	<input 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 thereof. If the proposal is to deepen directionally or recompleat 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 recompleat 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.)

Devon proposes to re-perforate the Lewis, Cliffhouse, & Point Lookout zones and then acidize with approximately 8870 gals 15% FE HCL acid. Verbal approval of the proposal was received from Brandon Powell/NMOCD on 8/3/2015.

Attached is the workover procedure and the acid proposal.

OIL CONS. DIV DIST. 3

AUG 12 2015

14. I hereby certify that the foregoing is true and correct.	
<p align="center">Electronic Submission #311515 verified by the BLM Well Information System For DEVON ENERGY PRODUCTION CO LP, sent to the Farmington Committed to AFMSS for processing by WILLIAM TAMBEKOU on 08/05/2015 (15WMT0581SE)</p>	
Name (Printed/Typed) GAYLAN G BUNAS	Title REGULATORY ADVISOR
Signature (Electronic Submission)	Date 08/04/2015

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By WILLIAM TAMBEKOU	Title PETROLEUM ENGINEER	Date 08/05/2015
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 Farmington

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 to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

NMOCD

8

Wellbore Data:

Casing Record	Size	Weight	Grade	MD
Surface Casing	9-5/8 "	32.3#	I-40	281'
Intermediate Casing	7.000"	23#	J-55	3,854'
Production Casing	4.500"	11.6#	J-55	8,307'
Tubing	2.375"	4.7#	*	8,179'

Note: See attached wellbore schematics for verification

Perform JSA before any new operation.

PROCEDURE:

1. Check rig anchors for testing
2. MIRU, N/D Tree and N/U BOP
3. Pull tubing out of hole and run a gauge ring downhole with a wireline to check for restrictions
4. Run a cement bond/gamma ray-variable density log to locate perforation depths
(Note* A fluid level is NOT required to run the log per Basin Well Logging)
5. Perforate the Lewis (4,623' - 5,010'), Cliff house (5,250' - 5,770') and Point Lookout (5,807' - 6,192') formation with 2 shots per foot. (See original perforation intervals)
6. RIH with bridge plug set at 6,212' and packer set at 5,230'
7. Pump acid into the point lookout and cliff house formation between 5,250' - 6,192'
8. Pull up bridge plug and set at 5,030'
9. Pull up packer and set at 4,603'
10. Pump acid into the Lewis formation between 4,623' - 5,010'
11. POOH with packer and bridge plug
12. RIH with drill bit to cement top below formation
13. Unload hole with Air/Mist and clean out hole
14. Circulate until the hole is clean
15. POOH with drill bit and RIH with production tubing without packer
16. NDBOP, NUWH & RDMO
17. MIRU Swabbing unit if needed to bring well back on production

HALLIBURTON

DEVON ENERGY PROD CO LP-EBUSINESS
PO BOX 1678
OKLAHOMA CITY, OK, 73101-8838

NEBU 68A

RIO ARRIBA County, NM, US
API/UWI 30039274480000
SEC: 2,TWP: 30N,RNG: 7W

2 Stage Acid Ball Out Treatment

Proposal 180857 - Version 1.0
July 30, 2015

Submitted by:
Joshua Lynch
4109 E Main
Farmington, NM - 87402-8729

HALLIBURTON

2 Acid

2.1 Well Details

2.1.1 Tubulars

Name	Measured Depth (ft)	Outer Diameter (in)	Inner Diameter (in)	Linear Weight (lbm/ft)	Grade
4 1/2" Production Casing	0 - 8307	4.500	4.000	11.60	J-55
2 3/8" Stage 1 Tubing	0 - 5687	2.375	1.995	4.70	
2 3/8" Stage 2 Tubing	0 - 4613	2.375	1.995	4.70	

2.1.2 Perforations

Name	Top MD (ft)	Bot MD (ft)
Point Lookout	5807	6192
Cliffhouse	5697 5250	5770
Lewis	4623	5010

2.2 Procedure

2.2.1 Job Fluids

15 % FE/HCL Acid/ 8870.0 (Gal)

Base Fluid	HCL ACID 1000.00 (gal/Mgal)	8870 (Gal)	Surfactant	GasPerm 1000M 2.00 (gal/Mgal)	18.00 (Gal)
Corrosion Inhibitor	HAI-OS 3.00 (gal/Mgal)	27.00 (Gal)			

2% KCL Water/ 3501.0 (Gal)

Base Fluid	2% KCL WATER 1000.00 (gal/Mgal)	3501 (Gal)		
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2.2.2 Job Totals

Fluids

Surfactant	GasPerm 1000M	18(Gal)	Corrosion Inhibitor	HAI-OS	27(Gal)
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Perforation Balls

Name	# Perforation Balls
Bio Balls MR	150

Customer Supplied Items

	Designed Qty	Tank Bottom	Requested with Tank Bottom
2% KCL WATER	3501 (Gal)	0 (Gal)	3501(Gal)

2.2.3 Treatment Interval 1

Well Name	NEBU/68A	2% KCL Water	1873
Job Name	Acid	15 % FE/HCL Acid	5000
Mid Perf MD	6000(ft)	Bio Balls MR	150
No. of Perfs/Jets	0		
Estimated Pump Time	32.73(min)		
BHST	0		
Max. Pressure Allowed	0.0(psig)		
Frac Gradient	0.000 (psi/ft)		

TUBING Surface Pumping Schedule

Trt-Stage	Stage Desc.	Fluid Desc.	Rate-Liq+Prop (bbl/min)	Clean Vol. (Gal)	Proppant	Proppant Conc. (lbm/gal)	Prop. Mass (lbm)
1-1	Load Well	2% KCL Water	5.0	200		0.00	0
1-2	Acid Ball Out	15 % FE/HCL Acid	5.0	5000		0.00	0
1-3	Flush	2% KCL Water	5.0	1673		0.00	0
Totals				6873			0

Perforation Balls & Diverters

Trt-Stage	Stage Desc.	Clean Vol. (Gal)	Ball Used	Ball Drop Rate	Volume In (Gal)	Diverter Used	Div. Conc.	Div. Qty (lbm)
1-2	Acid Ball Out	5000	Bio Balls MR	150	5000		0.00	0.00

2.2.4 Treatment Interval 2

Well Name	NEBU/68A	2% KCL Water	1628
Job Name	Acid	15 % FE/HCL Acid	3870
Mid Perf MD	5197(ft)		
No. of Perfs/Jets	0		
Estimated Pump Time	26.18(min)		
BHST	0		
Max. Pressure Allowed	0.0(psig)		
Frac Gradient	0.000 (psi/ft)		

TUBING Surface Pumping Schedule

Trt- Stage	Stage Desc.	Fluid Desc.	Rate- Liq+Prop (bbl/min)	Clean Vol. (Gal)	Proppant	Proppant Conc. (lbm/gal)	Prop. Mass (lbm)
2-1	Load Well	2% KCL Water	5.0	200		0.00	0
2-2	Acid Breakdown	15 % FE/HCL Acid	5.0	3870		0.00	0
2-3	Flush	2% KCL Water	5.0	1428		0.00	0
Totals				5498			0