

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OIL CONS. DIV DIST. 3

OCT 25 2017

FORM APPROVED
OMB No. 1004-0137
Expires: January 31, 2018

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.	NMNM18463
6. If Indian, Allottee or Tribe Name	

SUBMIT IN TRIPLICATE - Other instructions on page 2

7. If Unit of CA/Agreement, Name and/or No.	CA NMNM136868
8. Well Name and No.	HEROS 2308 09L COM 1H
9. API Well No.	30-045-35688
10. Field and Pool or Exploratory Area	Nageezi Gallup
11. Country or Parish, State	San Juan County, NM

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
LOGOS Operating, LLC

3a. Address
2010 Afton Place
Farmington, NM 87401

3b. Phone No. (include area code)
(505) 324-4145

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1476 FSL & 210 FWL, NW/SW, L Sec 9 T23N R08W

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"/> Hydraulic Fracturing	<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	
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Completion Report AMEND	
	<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 recomplate 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 perfonned or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recomplate in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has detennined that the site is ready for final inspection.)

09/08/17 RU Halliburton. PT lines to 9500psi, PT casing to 6500psi/5mins, held good. Open Alpha Sleeve with 7500psi, establish injection rate & pump 2000gls 15% HCL, displace acid and frac Stage 1 thru Alpha Sleeve 10491-10522 MD w/39900# 20/40 Sand. NU WL set plug @ 10471.
 STAGE 2: Perf 10298-10459 MD, 32 holes 0.40" dia, Preflush 1000gl acid, Frac w/239600# 20/40 Brady Sand, plug @ 10284.
 STAGE 3: Perf 10106-10267 MD, 32 holes 0.40" dia, Preflush 500gl acid, Frac w/240800# 20/40 Brady Sand, plug @ 10091.
 STAGE 4: Perf 9914-10076 MD, 32 holes 0.40" dia, Preflush 500gl acid, Frac w/239700# 20/40 Brady Sand, plug @ 9899.
 STAGE 5: Perf 9721-9882 MD, 32 holes 0.40" dia, Preflush 500gl acid, Frac w/239800# 20/40 Brady Sand, plug @ 9706.
 STAGE 6: Perf 9528-9689 MD, 32 holes 0.40" dia, Preflush 500gl acid, Frac w/241700# 20/40 Brady Sand, plug @ 9514.
 STAGE 7: Perf 9338-9497 MD, 32 holes 0.40" dia, Frac w/243000# Brady 20/40 Sand, plug @ 9321.
 STAGE 8: Perf 9144-9305 MD, 32 holes 0.40" dia, Frac w/240200# Brady 20/40 Sand, plug @ 9129.
 STAGE 9: Perf 8951-9112 MD, 32 holes 0.40" dia, Frac w/240500# Brady 20/40 Sand, plug @ 8936.
 STAGE 10: Perf 8759-8920 MD, 32 holes 0.40" dia, Frac w/248000# Brady 20/40 Sand, plug @ 8744.
 STAGE 11: Perf 8566-8727 MD, 32 holes 0.40" dia, Frac w/241750# Brady 20/40 Sand, plug @ 8551.
 STAGE 12: Perf 8374-8531 MD, 32 holes 0.40" dia, Frac w/242400# Brady 20/40 Sand, plug @ 8362.
 STAGE 13: Perf 8181-8372 MD, 32 holes 0.40" dia, Frac w/237700# Brady 20/40 Sand, plug @ 8166.
 STAGE 14: Perf 7989-8150 MD, 32 holes 0.40" dia, Frac w/237900# Brady 20/40 Sand, plug @ 7977.
 STAGE 15: Perf 7796-7957 MD, 32 holes 0.40" dia, Frac w/235000# Brady 20/40 Sand, plug @ 7781.

cont on page 2.....

RECEIVED

OCT 16 2017

ACCEPTED FOR RECORD

Farmington Field Office
Bureau of Land Management

OCT 17 2017

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

Tamra Sessions

Regulatory Specialist

FARMINGTON FIELD OFFICE

Signature

Tamra Sessions

Date

10/04/2017

THE 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 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 page 2)

NMOCD *Ar*

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3160-5 COMPLETION CONTINUED
HEROS 2308 09L COM 1H
API 30-045-35688

STAGE 16: Perf 7604-7765 MD, 32 holes 0.40" dia, Frac w/243000# Brady 20/40 Sand, plug @ 7589.
STAGE 17: Perf 7411-7574 MD, 32 holes 0.40" dia, Frac w/227000# Brady 20/40 Sand, plug @ 7398.
STAGE 18: Perf 7215-7381 MD, 32 holes 0.40" dia, Frac w/239000# Brady 20/40 Sand, plug @ 7204.
STAGE 19: Perf 7026-7187 MD, 32 holes 0.40" dia, Frac w/241720# Brady 20/40 Sand, plug @ 7011.
STAGE 20: Perf 6834-6995 MD, 32 holes 0.40" dia, Frac w/242080# Brady 20/40 Sand, plug @ 6819.
STAGE 21: Perf 6641-6802 MD, 32 holes 0.40" dia, Frac w/238200# Brady 20/40 Sand, plug @ 6626.
STAGE 22: Perf 6449-6608 MD, 32 holes 0.40" dia, Frac w/236400# Brady 20/40 Sand, plug @ 6434.
STAGE 23: Perf 6256-6417 MD, 32 holes 0.40" dia, Frac w/238200# Brady 20/40 Sand, plug @ 6241.
STAGE 24: Perf 6064-6225 MD, 32 holes 0.40" dia, Frac w/241000# Brady 20/40 Sand, plug @ 6050.
STAGE 25: Perf 6032-5872 MD, 32 holes 0.40" dia, Frac w/244500# Brady 20/40 Sand, set kill plug @ 5750. Total Gallup holes: 768.

09/11/17 RD Halliburton, MIRU AZ656

09/12/17 ND, NUBOP. TIH w/mill & tag kill plug. PT BOP to 1250psi, then 2500psi – good. Circ N2. Tag & MO kill plug, start flowback. Cont MO plugs to 8551'.

09/13/17 Cont MO plugs to 10491 top of Alpha Sleeve. PU & circ clean. Make gel sweeps as POOH, kill at 4000', OOH w/tbg & mill. RU 4-1/2" tools, start POOH with Tieback liner.

09/14/17 Finish POOH with 4-1/2" Tieback Liner. RD 4-1/2" tools. PU & MU BHA 2-3/8" & 2-7/8" prod tbg w/gas lift valves. TIH with w/20jts 2-3/8" 4.7# L-80 tbg & 171jts 2-7/8" 6.5# J-55 tbg set @ 6269' w/SN @ 6234', packer @ 5607'. Land packer in Tension 8K.

ND BOP, NU WH. RD RR @ 15:00hr on 9/14/17. Turn over to flowback and production.

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Tamra Sessions

Regulatory Specialist
Title

Signature *Tamra Sessions*

Date **10/04/2017**

ACCEPTED FOR RECORD

OCT 05 2017

THE SPACE FOR FEDERAL OR STATE OFFICE USE

FARMINGTON FIELD OFFICE
BY: *[Signature]*

Approved by

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CONFIDENTIAL

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