

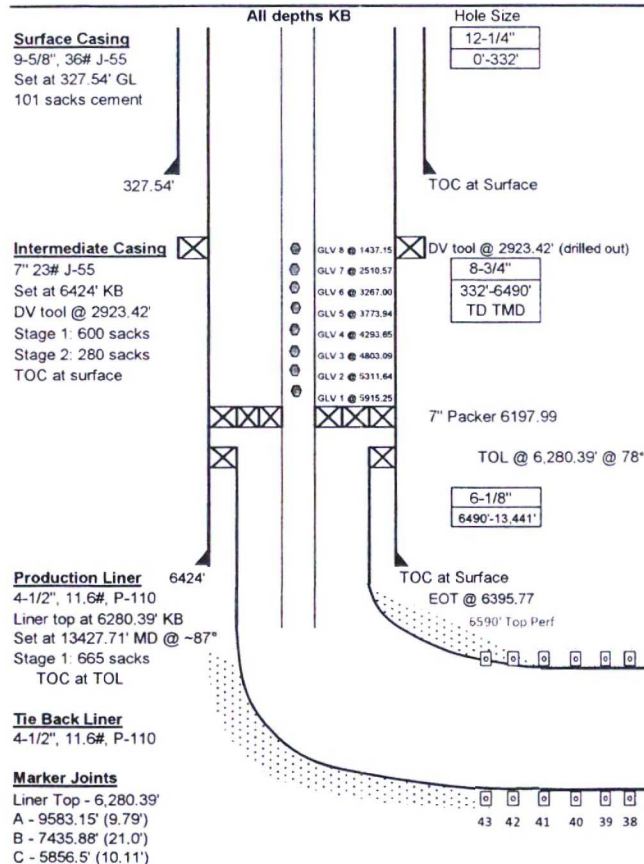


Wellbore Schematic

Well Name: Federal 2307 7P Com #3H
Location: Sec 7, T23N, R7W
County: Rio Arriba
API #: 30-039-31368
Co-ordinates: 36.237916 N, 107.607415 W- NAD83
Operator: Logos Operating, LLC

Ground Elevation: 7268 '
KB Elevation: 7272 '
TVD: 5760 '
MD: 13441 '
PBD: 13384 '
Target Zone TVD: 5760 '
Perf Lat Length: 6752 '

Date Prepared: 11/12/2018
Last Updated: 1/14/2019 RS
Spud Date: 10/6/2018
Completion Date: 11/26/2018
Last Workover Date:



Surface Casing/Cement: (10/6/18)
Drilled a 12-1/4" surface hole to 332'. Ran 12 jts 9-5/8", 36#, J-55 casing at 327.54' GL. Cemented with 101 sx Class Halcem Cement, circulated 10 bbls of cement to surface.

Intermediate Casing/Cement: (10/19/18)
Drilled a 8-3/4" intermediate hole to 6490' TMD. Ran 152 & 1 Pup jts. of 7" 23# P110 & set @ 6424' TMD. DV tool @ 2923.42'. Stage 1 cemented lead w/ 600 sx (208 bbls) Halcem class G cement mixed @ 12.3 ppg, 1.95 yield. Tail w/ 280 sx (50 bbls) Varicem Cement mixed @ 13.3 ppg, 1.3 yield. Circulated 3 bbls of cement to surface.

Production Liner: (11/8/18)
Drilled a 6-1/8" production liner hole to 13,441'. Set 173 jts + 3 pups of 4.5" P-110 11.60# LTC casing @ 13,427.71'. TOL @ 6,280.39'. Stage 1 cmntd with 665 sx (161 bbls) 13.3 ppg 1.36 yield Extendacem System. Circulated cement 2 bbls to liner top.

Tie Back String: (11/17/18)
TIH W/ 4 1/2 TIEBACK PRESS TEST 7" ND NU PRESS TEST 4 1/2" CSNG TO 1500 PSI, BRING PRESSURE UP TO 4000 PSI AND HOLD FOR 10 MINUTES. TEST WAS GOOD. POOH & LD on 12/16/18.

Completion: See Completions Tab

Tubing:					
2-3/8" HALF MULE	0.41	16/64" Screened Orifice	4.1	2-7/8" 6.5# J55	531.86
2-3/8"-4.7# J55 TAILPIPE	32.36	2-7/8" 6.5# J55	31.2	GLV #5	4.1
1.875" XN-NIPPLE	0.94	X Nipple	0.93	2-7/8" 6.5# J55	506.56
2-3/8"-4.7# J55 TAILPIPE	163.27	2-7/8" 6.5# J55	627.68	GLV #6	4.1
2-3/8" x 2-7/8" X-OVER	0.8	GLV #2	4.1	2-7/8" 6.5# J55	754.66
7.0" AS1-X CARBIDE PKR	7.45	2-7/8" 6.5# J55	566.83	GLV #7	4.1
ON/OFF TOOL W/2.25" F	1.9	GLV #3	4.1	2-7/8" 6.5# J55	1134.1
2-7/8" PUP JOINT	6.1	2-7/8" 6.5# J55	504.84	GLV #8	4.1
2-7/8" 6.5# J55	31.93	GLV #4	4.1	2-7/8" 6.5# J55	1385.6

Formation Tops: (MD)			
Ojo Alamo-	1490'	Cliffhouse-	3810'
Kirtland-	1653'	Menefee-	3851'
Fruitland-	1842'	Point Lookout-	4705'
Pictured Cliffs-	2186'	Mancos-	4931'
Chacra-	3078'	Gallup-	6146'

NOTES:
*Alpha Sleeve #1 4-1/2" casing @ 13,338.46' - 13,342.13'

CONFIDENTIAL

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

JAN 30 2019

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. NMNM 136672

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2

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) 787-2218

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1288' FSL & 337' FEL, SE/SE, P Sec 7 T23N R07W

7. If Unit of CA/Agreement, Name and/or No.
NMNM 138467

8. Well Name and No. Federal 2307 07P Com 3H

9. API Well No. 30-039-31368

10. Field and Pool or Exploratory Area
Basin Mancos / Lybrook Gallup

11. Country or Parish, State
Rio Arriba 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 checked="" 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 type="checkbox"/> Other
	<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 must 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 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.)

First delivered oil on 12/24/18 @ 15:30hr.
TP: 300, CP:789, Initial Oil: 668bbbls
Oil Co.: Whiptail, LACT Meter No.: 100073

First delivered gas on 1/4/2018 @ 11:38hr.
TP: 420, CP:610, Initial MCF: 964mcf
Gas Co.: Whiptail, Meter No.: 120073

NMOCD

FEB 11 2019

DISTRICT III

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

Title Regulatory Specialist

Signature

Date

01/29/2019

THE SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

ACCEPTED FOR RECORD

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

FEB 07 2019

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)

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