

Well Name: ROSA UNIT	Well Location: T31N / R5W / SEC 33 / NWNE / 36.860723 / -107.366336	County or Parish/State: RIO ARRIBA / NM
Well Number: 147B	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMSF078773	Unit or CA Name: ROSA UNIT--DK, ROSA UNIT--MV	Unit or CA Number: NMNM78407A, NMNM78407B
US Well Number: 3003926960	Well Status: Producing Gas Well	Operator: LOGOS OPERATING LLC

Subsequent Report

Sundry ID: 2761969

Type of Submission: Subsequent Report

Type of Action: Workover Operations

Date Sundry Submitted: 11/16/2023

Time Sundry Submitted: 11:42

Date Operation Actually Began: 10/31/2023

Actual Procedure: 10/31/23-MIRU. NDWH. NU BOP, PU 2-3/8" TBG TO 5 1/2" RBP @ 5061', RELEASE RBP, TOOH LDN 2-3/8" TBG, LDN RBP, SDFN 11/1/23- TIH W/ 2-1/16" TBG IN WELL, TAG FILL @ 8085', CLEAN OUT FILL TO 8110', TOOH TO TOL @ 6710'. BREAK CIRCULATION. TRIP EOT UP OUT OF LINER TOP. SDFN 11/2/23- TRIP DOWN TAG @ 8110'. BREAK CIRCULATION. PU TO RUN 249 JTS OF 2-1/16' TBNG, 3.25#, J-55, SN @ 8081', LAND EOT @ 8083'. ND BOP. NUWH. PSI UP TO 1000 PSI, HOLD FOR 10 MINUTES, GOOD PRESSURE TEST. RDMO Well is producing as a downhole commingled Blanco Mesaverde/Basin Dakota per DHC 5296

SR Attachments

Actual Procedure

Rosa_Unit_147B_Wellbore_Schematic___Isolation_20231116114157.pdf

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Operator

I certify that the foregoing is true and correct. 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. Electronic submission of Sundry Notices through this system satisfies regulations requiring a

Operator Electronic Signature: LACEY GRANILLO

Signed on: NOV 16, 2023 11:42 AM

Name: LOGOS OPERATING LLC

Title: REGULATORY SPECIALIST

Street Address: 2010 AFTON PLACE

City: FARMINGTON State: NM

Phone: (505) 324-4145

Email address: LGRANILLO@LOGOSRESOURCESLLC.COM

Field

Representative Name:

Street Address:

City: State: Zip:

Phone:

Email address:

BLM Point of Contact

BLM POC Name: KENNETH G RENNICK

BLM POC Title: Petroleum Engineer

BLM POC Phone: 5055647742

BLM POC Email Address: krennick@blm.gov

Disposition: Accepted

Disposition Date: 11/16/2023

Signature: Kenneth Rennick

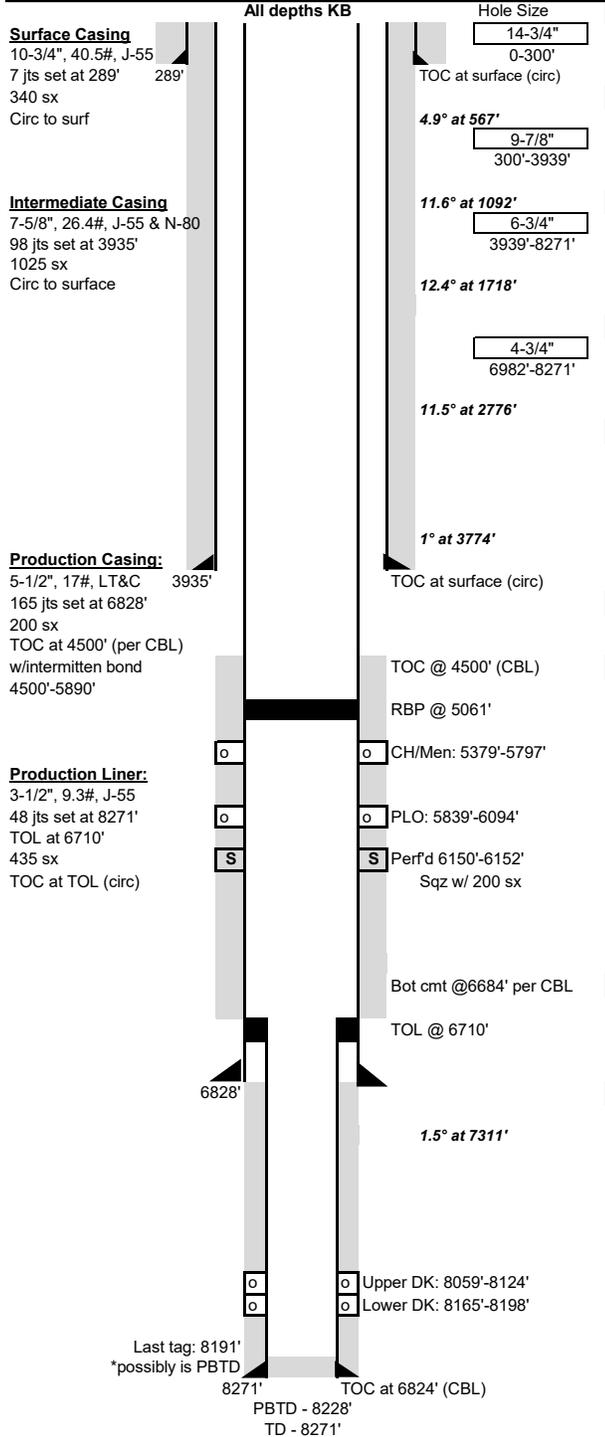


Isolation Wellbore Schematic

Well Name: Rosa Unit 147B
 Location: B-33-31N-05W 940' FNL & 2255' FEL
 County: Rio Arriba, NM
 API #: 30-039-26960
 Co-ordinates: Lat 36.8607216, Long -107.3663025 NAD83
 Elevations: GROUND: 6513'
 KB: 6513'
 PBDT: 8228'
 TD: 8271'
 Depths (KB):

Date Prepared: 11/30/2022 Peace
 Reviewed By: 12/5/2022 Moss
 Last Updated:
 Spud Date: 6/4/2004
 Completion Date: 9/26/2004
 Last Workover Date: 7/14/2023

DIRECTIONAL WELLBORE



Surface Casing: (6/5/2004)
 Drilled a 14-3/4" surface hole to 300'. Set 7 jts 10-3/4", 40.5#, J-55 csg at 289'.
 Cmt'd w/ 340 sx Type III cmt (14.5 ppg, 1.41yd). Circ 40 bbls cmt to surface.

Intermediate Casing: (6/18/2004)
 Drilled a 9-7/8" intermediate hole to 3939'. Set 98 jts 7-5/8", 26.4#, J-55 & N-80
 csg at 3935'. Cmt'd w/ 925 sx Type III 65/35 poz cmt (12.1 ppg, 2.11 yd). Tailed
 w/ 100 sx Type III cmt (14.5 ppg, 1.4 yld). Circ 150 bbls to surface.

Production Casing: (6/23/2004)
 Drilled a 6-3/4" production hole to 8271'. Ran ~165 jts 5-1/2", 17#, N-80 csg,
 got stuck at 6848' & couldn't est injection. Perf'd csg 6150-6152' 4 SPF. Cmt'd
 w/ 200 sx perm lite. (12.3 ppg, 2.15 yld). TOC @ 4500' w/ intermitten bond from
 4500' to 5890' per CBL.
Used 41.5' jt length to estimate number of csg jts.

Production Liner: (7/5/2004)
 Drilled 4-3/4" liner hole to 8271'. Set 48 jts 3-1/2", 9.3# J-55 csg at 8271'.
 TOL at 6710'. Cmt w/ 50 sx (12 ppg, 2.29 yld). Tailed in w/ 385 sx perm lite.
 (12.3 ppg, 2.15 yld) TOL was original at 6710', after cmt TOL tagged at 6676'.
 TOC @ 6824'

Tubing:
 Pulled for wellbore Isolation (7/2023)

Artificial Lift:
 Plunger lift

Perforations: (8/2004)
Lower DK: (8165'-8198') 3 SPF 0.21, 36" holes. 8165', 69', 75', 86', 90', 94', 98.
Upper DK: (8059'-8124') 3 SPF, 21, 0.29" holes. 8059', 65', 73', 8108', 11', 20',
 24'. Acidize both upper and lower DK w/1000 gals 15% HCL & 70 bio-balls.
 Frac w/ 69,000# 20/40 Econoprop sand in 60Q XL N2 foam.
PLO: (5839'-6094') 1 SPF, 43, 0.33" holes. 5839', 41', 50', 53', 56', 60', 64',
 68', 72', 76', 79', 82', 89', 93', 97', 5900', 07', 11', 19', 22', 25', 28', 32', 37', 41', 44',
 51', 54', 64', 73', 76', 89', 6001', 08', 19', 32', 35', 42', 51', 63', 68', 83', 94'.
 Acidized w/ 1000 gals 15% HCL & 62 bio-balls (recovered 18 balls. Frac w/ 9800#
 14/30 Lite Prop & 40,000# 20/40 Brady sand in 2674 bbls of slickwater.
CH/Men: (5379'-5797') 1 SPF, 40, 0.33" holes. 5379', 83', 92', 97', 5408', 26',
 5516', 25', 32', 46', 59', 75', 92', 98', 5602', 11', 14', 21', 23', 36', 64', 67', 70', 73',
 75', 77', 85', 87', 89', 92', 94', 5711', 13', 52', 61', 64', 67', 70', 94', 97'. Acidized
 w/ 1000 gals 15% HCL & 60 bio-balls. Frac w/ 9800# 14/30 Lite Prop & 40,000#
 20/40 Brady sand in 2338 bbls slickwater.

Formations:	MD	
Pictured Cliffs	3443'	Menefee 5676'
Lewis	3719'	Point Lookout 5861'
Cliff House	5626'	Gallup 7156'
		Dakota 8056'

Additional Notes:
 7/2023- Wellbore Isolation- LD MV & DK 2-1/16" strings, sent to cave for storage.
 TIH w/ pkr plucker to model D pkr at 6209'. TOOH w/ pkr. TIH w/ 5-1/2" RBP, set at
 5061', loaded well w/ 16 bbls pkr fluid, PT from RBP to surface to 1000psi for 20mins,
 good test. LD workstring & drill collars. Top off well w/ pkr fluid.

The 3-1/2" liner was originally set at 6710', but after cmtng, it was tagged at 6676'.
 PBDT was originally at 8228', but 8191' was tagged after cmtng.
It is possible that 8191' is PBDT.

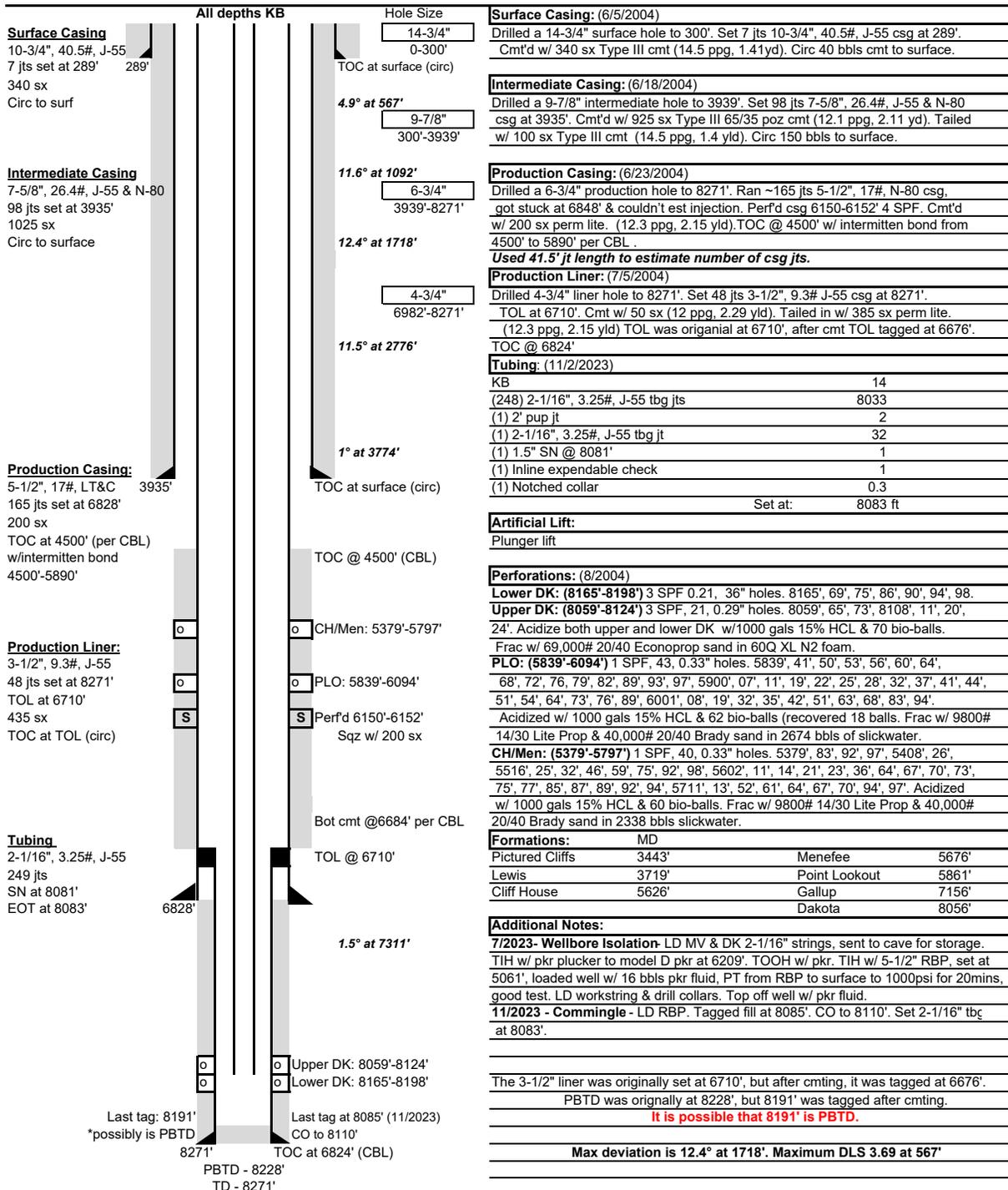
Max deviation is 12.4° at 1718'. Maximum DLS 3.69 at 567'



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 Last Updated: 11/6/2023 Sprague
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 Last Workover Date: 11/2/2023

DIRECTIONAL WELLBORE



District I
 1625 N. French Dr., Hobbs, NM 88240
 Phone:(575) 393-6161 Fax:(575) 393-0720

District II
 811 S. First St., Artesia, NM 88210
 Phone:(575) 748-1283 Fax:(575) 748-9720

District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV
 1220 S. St Francis Dr., Santa Fe, NM 87505
 Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 286509

CONDITIONS

Operator: LOGOS OPERATING, LLC 2010 Afton Place Farmington, NM 87401	OGRID: 289408
	Action Number: 286509
	Action Type: [C-103] Sub. Workover (C-103R)

CONDITIONS

Created By	Condition	Condition Date
kelly.roberts	None	2/16/2024