U.S. Department of the Interior BUREAU OF LAND MANAGEMENT Sundry Print Report 04/12/2024

Well Name: RICHARDSON Well Location: T27N / R13W / SEC 11 / County or Parish/State: SAN

SESE / 36.584869 / -108.182251 JUAN / NM

Well Number: 2 Type of Well: CONVENTIONAL GAS Allottee or Tribe Name:

WELL

Unit or CA Name: Unit or CA Number: Lease Number: NMSF077972

US Well Number: 3004506621 Operator: LOGOS OPERATING LLC

Subsequent Report

Sundry ID: 2784324

Type of Action: Workover Operations Type of Submission: Subsequent Report

Date Sundry Submitted: 04/10/2024 Time Sundry Submitted: 01:07

Date Operation Actually Began: 11/30/2023

Actual Procedure: 11/30/2023 - MIRU. ND WH. NU BOP. Test BOP. Test good. TIH tag CIBP @ 1202'. PU power swivel. Drill out CIBP. TOOH. Lay down power swivel. TIH tag @ 1469'. TIH w/2-3/8" tbg, 39jts, 4.7#, J-55, landed @ 1416'. Swab well to clean. SDFN. 12/1/2023 - Swab well clean. Pull up 2-3/8" tbg, set @ 1289', SN @ 1258', 39jts, 4.7#, J-55. ND BOP. NU WH. PU Rod string 2"X1 1/2"X12'RWAC-Z. Load tbg with water, PT to 1000psi. Good test. RDMO.

SR Attachments

Actual Procedure

3160_5_Richardson_2_Subsequent_Report_Return_well_to_Production_20231201_20240410130719.pdf

Received by OCD: Warkand: MCHARDSON

Well Location: T27N / R13W / SEC 11 /

SESE / 36.584869 / -108.182251

County or Parish/State: SAN

Page 2 of 5

JUAN / NM

Well Number: 2 Type of Well: CONVENTIONAL GAS

ype or wen. C

Allottee or Tribe Name:

Lease Number: NMSF077972

Unit or CA Name:

Unit or CA Number:

US Well Number: 3004506621

Operator: LOGOS OPERATING LLC

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: ETTA TRUJILLO Signed on: APR 10, 2024 01:08 PM

Name: LOGOS OPERATING LLC

Title: Regulatory Specialist

Street Address: 2010 AFTON PLACE

City: Farmington State: NM

Phone: (505) 324-4154

Email address: ETRUJILLO@LOGOSRESOURCESLLC.COM

Field

Representative Name:

Street Address:

City: State: Zip:

Phone:

Email address:

BLM Point of Contact

BLM POC Name: MATTHEW H KADE BLM POC Title: Petroleum Engineer

BLM POC Phone: 5055647736 BLM POC Email Address: MKADE@BLM.GOV

Disposition: Accepted Disposition Date: 04/10/2024

Signature: Matthew Kade

Form 3160-5 (June 2019)

UNITED STATES DEPARTMENT OF THE INTERIOR

FORM APPROVED OM	1E
No. 1004-0137 Expires:	:
December 31, 2024	

DEI	AKTIVIENT OF THE	INTERIOR					-,
BUREAU OF LAND MANAGEMENT				5. Lease Serial No.	NMSF077972	2	
Do not use this t	IOTICES AND REPO Form for proposals in Use Form 3160-3 (A	to drill or to re-	enter an	•	6. If Indian, Allottee	or Tribe Name	,
SUBMIT IN	TRIPLICATE - Other instr	uctions on page 2			7. If Unit of CA/Agree	ement, Name	and/or No.
1. Type of Well	_				Wall Name and No.		
Oil Well Gas W	Vell Other				8. Well Name and No	RICHARDSO	ON 002
2. Name of Operator LOGOS OPERAT	TING, LLC				9. API Well No. 30-0)45-06621	
3a. Address 2010 AFTON PLACE FARMINGTON, NM 87	401	3b. Phone No. <i>(inclu</i> (505) 278-8720	ide area code,)	10. Field and Pool or BASIN FRUITL	-	Area
4. Location of Well (Footage, Sec., T.,R)			11. Country or Parish		
SEC 11 T27N R13W SESE (P) 890	<u> </u>				SAN JUAN CO		
12. CHE	CK THE APPROPRIATE B	OX(ES) TO INDICAT	TE NATURE	OF NOTI	CE, REPORT OR OT	HER DATA	
TYPE OF SUBMISSION			TYP	PE OF AC	ΓΙΟΝ		
Notice of Intent	Acidize	Deepen		=	uction (Start/Resume)	=	er Shut-Off
	Alter Casing Casing Repair	Hydraulic New Const	Ü	=	amation mplete	Well X Other	Integrity
x Subsequent Report	Change Plans	Plug and A		_	orarily Abandon	X Other	Install Pumping Unit
Final Abandonment Notice	Convert to Injection				r Disposal		
completion of the involved operation completed. Final Abandonment Notice is ready for final inspection.) 11/30/2023 - MIRU. ND WH. NU 1469'. TIH w/2-3/8" tbg, 39jts, 4.7 12/1/2023 - Swab well clean. Pull with water, PT to 1000psi. Good to	BOP. Test BOP. Test good #, J-55, landed @ 1416'. Sw up 2-3/8" tbg, set @ 1289', est. RDMO.	all requirements, incl. TIH tag CIBP @ 120 ab well to clean. SDF, SN @ 1258', 39jts, 4	luding reclam 02'. PU power N.	ation, hav	e been completed and rill out CIBP. TOOH.	the operator h Lay down po	nas detennined that the site over swivel. TIH tag @
14. I hereby certify that the foregoing is	true and correct. Name (Pr			~			
Etta Trujillo		Title	Regulator	y Speciali	st		
Signature Eta Trug	rillo	Date	4/10/202	4			
	THE SPACE	FOR FEDERA	L OR ST	ATE OF	ICE USE		
Approved by			Title			Date	
Conditions of approval, if any, are attack certify that the applicant holds legal or ewhich would entitle the applicant to con	equitable title to those rights		Office			Date	
Title 18 U.S.C Section 1001 and Title 4.	3 U.S.C Section 1212, make	it a crime for any per	son knowingl	ly and will	fully to make to any d	epartment or a	agency of the United States

(Instructions on page 2)



Wellbore Schematic

Well Name:	Richardson 2				
Location:	P-11-T27N-R13W 890' FSL & 990' FEL				
County:	San Juan				
API#:	30-045-06621				
Co-ordinates:	36.5849495°,-10	8.18293° NAD83			
Elevations:	GROUND:	5876'			
	KB:	5885'			
Depths (KB):	PBTD:	1520'			
	TD:	6175'			

Date Prepared: 11/27/2018 CHR

Last Updated: 8/25/2023 Moss

Spud Date: 8/14/1963

Completion Date: 9/6/1963

Last Workover Date: 12/1/2023

VERTICAL WELLBORE Hole Size All depths KB Surface Casing: (08/16/1963) 12-1/4" Drilled a 12-1/4" surface hole to 316'. Set 10 jts 8-5/8", 24.0#, J-55 casing at 306' Surface Casing 8-5/8", 24.0#, J-55 0'-316' Cemented with 200 sxs regular cement; circulated cement to surface. 10 jts set at 306' 306' TOC at surface (circ) Production Casing: (09/16/1963) Drilled a 7-7/8" production hole to 6175'. Set 196 jts 4-1/2", 10.5#, J-55 casing at 6168' Stage collars @ 4169' KB & 1634' KB Stage 1 cmt w/ 320 cf 20% Diacel "D" Class C cmt + 12-1/2# gilsonite/sk tailed w/ 95 cf Class C cmt + 2% CaCl2. TOC at 4854 per CBL (9/4/1963) Stage 2 cmt w/ 740 cf 20% Diacel "D" Class C cmt + 12-1/2# gilsonite/sk + 2% CaCl2 TOC 1730' per calc (75% efficiency) Stage 3 cmt w/ 585 cf 40% Diacel "D" Class C cmt + 12-1/2# gilsonite/sk + 4% CaCl2 <u>Tubing</u> 2-3/8 4.7# J-55 TOC at surface per circ. Tubing: (12/2023) 39 its Length (ft) SN at 1258' KB EOT at 1289' (39) 2-3/3" 4.7# J-55 tbg jts 1249 (1) 1.78" SN (1) 2-3/8" MS MA 30 Set at: 1289 ft Rods: (12/2023) Length (ft) o FTC 1238'-1274' 0 1-1/4" x 22' Polished rod w/ 1-1/2" x 10' liner (2) 3/4" plain pony rods (4', 2') 6 (42) 3/4" plain rods 1050 (2) 3/4" x 8' plain pony rods 16 (6) 1-1/4" sinker bars 150 CIBP at 1520' (1) 21k shear tool (1) 3/4" x 8' guided pony rod Stage Collar at 1634' 8 (1) 2" x 1-1/2" x 12' RWAC pump w/ 4' plgr 12 TOC at 1730' **Pumping Unit:** Lufkin 114-143-64, 64" stroke length / Max Speed: 10 SPM Plug 3 per calc 12 sxs 2100'-2243' (Tag) Perforations: 7-7/8" Dakota: (09/06/1963) (6072'-6104') 2SPF. Frac w/ 40,000 gal H2O & 20,000# 20/40 sand 316'-6168' (5924'-28', 33'-38', 54'-60, 67'-71', 5974'-6002') 2 SPF. Frac w/ 61,740 gal H2O, 10,000# 40/60 sand & 50,000# 20/40 sand. **Production Casing** 4-1/2", 10.5#, J-55 Fruitland Coal: (7/23/2008) (1238'-46', 63'-1274') 76, 0.43" holes at 4 SPF 196 jts set at 6168' Frac w/ 71,724 gal slickwater foam & 5,100# 40/70 sand & 80,100# 20/40 sand. Stg 1:415 cf TOC at 4854' Formations: Stg 2: 740 cf Oio Alamo 9/4/1963 CBL (4700-PB) TOC at 1730' Stage Collar at 4169' Kirtland Surf 8/26/1963 DENSILOG Stg 3: surface Fruitland 1150' 8/26/1963 Induction TOC at surface Pictured Cliffs 1315' 7/23/2008 RST/GR/CCL Lewis 1500 7/23/2008 CBL (Surf-1700) 2190 Mesaverde Plug 2 TOC at 4854' per CBL Mancos 4150' (9/4/1963) 12 sxs Dakota 5850' 4889'-4989' Morrison 6160 Additional Notes: (8/6/1996) Clean out to 6088' (10/17/2007) Clean out 6108' (7/22/2008) Attempted to plug DK perfs w/ 12 sx cmt. TOC at 6000' per tag Set CIBP @ 5905'. Plug 1: 12 SX Class G 5800'-5900' (50% excess). Plug 2: 12 sx Class G 4889'-4989' (50% excess). Plug 3: 12 sx Class G 2143'-2243' (50% excess). Tag TOC @ 2100'. Set CIBP @ 1520'. Perf & Complete FC formation. Plug 1 7 WO's from 7/2009-10/15/2013. See ops tab for details. 12 sxs cmt 5805'-5905' (6/13/2019) Ran 3-7/8" bit and string mill to 1228'. Set 4-1/2" CIBP at 1202' CIBP at 5905' PT to 560 psi for 30 min, test was good. Did not run tbg. (12/1/2023) DO CIBP at 1202'. Tagged fill at 1469'. Set 2-3/8" tbg at 1289'. Installed rod pump system w/ 2"x1.5"x12' RWAC pump, 6 SB, & plain 3/4" rods. o DK 5924'-6104' Ω Pumped 12 sx cmt Tag TOC @ 6000'

6175

PBTD - 1202'

TD - 6175'

Sante Fe Main Office Phone: (505) 476-3441

General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

CONDITIONS

Action 335952

CONDITIONS

Operator:	OGRID:
LOGOS OPERATING, LLC	289408
2010 Afton Place	Action Number:
Farmington, NM 87401	335952
	Action Type:
	[C-103] Sub. Workover (C-103R)

CONDITIONS

Created By	Condition	Condition Date
andrew.fordyce	Accepted for record.	9/2/2025