



U.S. Department of the Interior
BUREAU OF LAND MANAGEMENT

Sundry Print Report

07/08/2024

Well Name: SCHALK 54	Well Location: T30N / R5W / SEC 2 / NESE / 36.83905 / -107.32045	County or Parish/State: RIO ARRIBA / NM
Well Number: 1E	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMNM4454	Unit or CA Name:	Unit or CA Number:
US Well Number: 3003922518	Operator: SCHALK DEVELOPMENT COMPANY	

Subsequent Report

Sundry ID: 2799143

Type of Submission: Subsequent Report

Type of Action: Plug and Abandonment

Date Sundry Submitted: 07/08/2024

Time Sundry Submitted: 01:02

Date Operation Actually Began: 06/10/2024

Actual Procedure: The Schalk 54 #1E was P&A'd on 6/10/2024. Please find attached the summary report and WBD. The reclamation plan will be scheduled with Forest.

SR Attachments**Actual Procedure**

Schalk_54_1E_PA_Summary_20240708130154.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: ARLEEN SMITH**Signed on:** JUL 08, 2024 01:02 PM**Name:** SCHALK DEVELOPMENT COMPANY**Title:** Regulatory Specialist**Street Address:** 332 RD 3100**City:** AZTEC**State:** NM**Phone:** (505) 327-4892**Email address:** ARLEEN@WALSHENG.NET**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:** 07/08/2024**Signature:** Matthew Kade

Schalk Development

Schalk 54 #1E

Date Comp: 6/10/2024

Plug #	Formation	BLM Pick Formation Top	Cement Pump Date	Perfs	CICR Depth	Cement Detail	Cement Plug Depths	Plug Position
1	Dakota	8010'	Abandoned Oct 1999	8060'-8114'	6896'	Abandoned Oct 1999	TOC at 6746'	Inside
2	Mesaverde	5562'	6/6/2024	5566'-5901'	5528'	12sx Class "G" cement w/ 1% CaCl ₂ (13.8cuft, 2.5bbl, 1.15yld, 15.8ppg, 5.0gps)	5300'-5528'	Inside
3	PC, FC, Kirtland, Ojo	2744', 2874', 3168', 3374'	6/6/2024 & 6/7/2024	N/A	N/A	175sx Class "G" cement w/ 1% CaCl ₂ (201cuft, 36bbl, 1.15yld, 15.8ppg, 5.0gps) (Plug was pumped 3 times)	2640'- 3428'	Inside-out
4	Nacimiento	1300'	6/10/2024	N/A	N/A	20sx Class "G" cement w/ 2% CaCl ₂ (23cuft, 4.1bbl, 1.15yld, 15.8ppg, 5.0gps): 42' above formation top variance approval from BLM & NMOCD	1258'-1368'	Inside
5	Surface		6/10/2024	357' & 100'	N/A	185sx 6/10/24	Surf - 359'	Inside/Outside
						Wellhead Cut-off & marker installed 6/11/2024		

Detailed Work Summary:

6/10/24: SICP=20psi, BH=0psi upon arrival. BDW. Picked up a 2' tag sub. TIH on 83jts of 2-3/8" tbg & tagged TOC at 2640'KB (PC/FC/Kirtland/Ojo Alamo plug F/2640' - T/3428'=Total of 175sx (201.25cuft, 35.9bbl, 1.15yld, 15.8ppg)104' above Ojo Alamo formation top). PUH to 1368'KB. Est circ w/ 12.5bbls of water. Pressure test csg to 600psi, lost 300psi in 1 minute, no test. M&P Nacimiento plug (added by NMOCD) 20sx of CI "G" cement w/ 2% CaCl₂, balanced w/ 4bbls of water. LD 9jts & TOH w/ 16stds. WOC. RIH & tagged at 1258', 42' above Ojo Alamo top-Recieved verbal approval to proceed f/ M. Kuehling (NMOCD). LD remaining tbg. RU Drake wireline, RIH & perf at 357'KB (13-3/8" csg shoe at 307'KB), pump into at 1bpm-250-500psi, minimal communication w/ BH after 20bbl (light blow periodically), RU to BH valve, pumped 4bbls (31') of water, caught 500psi, pressure holding, pumped down csg again, same results. Discussed w/ BLM & NMOCD. RIH & perforate at 100', circulated good. RD wireline. RIH w/ 11jts of 2-3/8" tbg & 8' sub, EOT @ 359'KB. Closed BH valve, Filled csg with cement slurry from 359'. LD sub & 11jts of tbg, topped off casing. Closed blind rams and bullheaded cement slurry up through BH valve from perfs at 100'. Closed BH valve and squeezed cement into perfs until pressure reached 400psi, slow bleed off, hesitated 15min, pressure to 50psi, pumped an additional 3bbls of cement slurry to 500psi, pressure down to 120psi after 20min. Slowly bled off pressure. Surface plug=185sx CI "G" cement (213cuft, 38bbl, 1.15yld, 15.8ppg). ND BOP & installed B2 & master valve. Shut in well. Cut-off, P&A marker & top off scheduled for tomorrow morning. Rig crew off location at 1930hrs.

Note: Natasha Dishface (BLM field inspector) on location today.

6/7/24: SICP=4psi, BH=0psi upon arrival. BDW. Picked up a 2' tag sub. TIH on 104jts of 2-3/8" tbg & tagged TOC at 3296'KB. Calculated top was at 2588', lost 708' (55sx) of cement. EOT at 3294'KB. RU Drake Energy Services. Circulate hole with 11bbls of water. Attempt pressure test, 1.5bpm @ 200psi, no test. M&P PC/FC/Kirtland/Ojo Alamo again: 60sx of CI "G" Cement w/ 2% CaCl₂ (69cuft, 12.3bbl, 1.15yld, 15.8ppg), Balanced w/ 9bbl of water at 0835hrs. LD 25jts of 2-3/8" tbg and TOH w/ 20stds, EOT at 1245'. WOC 4hrs. RIH & tagged at 3023'KB, lost 503' (39sx) of cement. Discussed pros/cons of running cement retainer w/ J. Thompson, decided to try a 3rd inside plug. EOT at 3019'KB. M&P PC/FC/Kirtland/Ojo Alamo 3rd time: 50sx of CI "G" Cement neat (57.5cuft, 10.3bbl, 1.15yld, 15.8ppg), Balanced w/ 9bbl of water at 1330hrs. LD 29jts of 2-3/8" tbg and TOH w/ remaining tubing. Shut in well & SDFW. Plan to RIH, tag TOC & proceed as necessary Monday. Rig crew off location at 1500hrs.

Note: Natasha Dishface (BLM field inspector) on location today.

6/6/24: SICP=10psi, BH=0psi upon arrival. BDW. Picked up a 2' tag sub. TIH on 173jts of 2-3/8" tbg & 8' bg sub, EOT at 5519'KB. RU Drake Energy Services. Circulate hole with 20bbls of water. M&P plug #1 (MV-5300'-5519') 12sx of CI "G" w/ 1% CaCl₂ (13.8cuft, 2.46bbl, 1.15yld, 15.8ppg, 5.0gps), balanced w/ 20.3bbl of water (1000hrs). LD tbg sub & 5jts of 2-3/8" tbg, TOH w/ 20stds(EOT at 4718'KB). WOC 4hrs for sample to harden. TIH, tagged TOC at 5300', good. PUH, EOT at 3428'KB. Sent email to BLM & NMOCD for variance request, pumped PC/FC/Kirtland & Ojo Alamo plug as one large plug, M. Kuehling & BLM field inspector approved. Circulate hole with 19bbls of water. M&P plug #2 (PC/FC-Kirt/Ojo Alamo-TBD'-3428') 65sx of CI "G" Cement (74.75cuft, 13.35bbl, 1.15yld, 15.8ppg, 5.0gps), balanced w/ 9.5bbl of water (balanced plug at 1540hrs). LD 27jts, TOH w/ remaining tbg. Shut in well & SDON. Plan to RIH, tag TOC & proceed as necessary tomorrow. Rig crew off location at 1730hrs.

Note: Natasha Dishface (BLM field inspector) on location today.

6/5/24: SICP=40psi, BH=0psi upon arrival. BDW. Completed trip in with 4-1/2" csg scraper to 5545'KB. TOH w/ scrpr. Picked up a 4-1/2" CICR and TIH on 173jts of 2-3/8", J55, BB tbg. Multiple attempts to set retainer (skipped down hole, overpull then no overpull for approx 6'), drop & catch a few times, finally set CICR at 5528'KB (Top Perf reported at 5566'KB). Stung out, sling back in to verify still in place, good. Load tbg w/ 3bbls of water & test to 1000psi, sting out. Circulated hole with 12bbls of water, circulated csg with 120bbls of water (40bbls over capacity). Shut in casing and attempted to P/T, pumping into at 700psi at 0.75bpm. TOH w/ 173jts of 2-3/8" tubing. RU Drake Wireline Services(1600hrs). RIH w/ CBL, tagged at 5515'KB. Ran log to F/ 5515' T/-300', could not keep fluid level above 300'. Found intermittent cement bonds due to past squeezes. Semi-bond F 300' - T/ 700', Good Bond F 700' - T/ 1760', Weak Bond F/ 1760' - T/ 2020', Good Bond F/ 2020' - T/ 2700', Semi-Bond F/ 2700' - T/ 3400', No Bond F/ 3400' - T/ 5350', semi-bond F/ 5350' - T/ 5515' (Field Interpretation), Emailed log out at 2000hrs to BLM, NMOCD & Walsh. RD Wireline (1900hrs). Rig crew off location at 1930hrs.

Note: Natasha Dishface (BLM field inspector) arrived on location to get update today.

6/4/24: Notified BLM (Cement hotline), NMOCD (Monica Kuehling) & Forest Service (JJ Miller) 6/3/2024 (1115hrs) of move on. No tubing currently in well. MIRU DWS #24, on location at 1030hrs, derrick in the air at 1130hrs. Desert Mountain Trucking delivered tubing float, rig pit, Geronimo pad, M&R Trucking delivered cement wash pit & 400bbl water tank, Drake Energy Service delivered 400bbl of fresh water. SICP=100psi, BH=100psi. Casing blew down quickly, BH remained at 100psi. Blew down BH, 30 secs to nothing. ND wellhead, NU BOP. RU floor, tbg tongs, etc. Picked up a 3-7/8" blade bit, 4-1/2" csg scraper, bit sub, tally & TIH on 113jts of 2-3/8", J55, blue band rental tbg (Cave) to 3580'KB, no obstructions. Shut in well & SDON. Rig crew off location at 1830hrs. Plan to complete scraper run, TIH w/ CICR, load tbg w/ water & perform CBL tomorrow.

Note: Communicated w/ Natasha Dishface (BLM field inspector) via text with progress updates.

Date Drawn: June 2024 (JT)



(perf at 357' & 100')

13 3/8" 68# Surf Csq @ 307

Plug #4 (1258' - 1368') Nacimiento Top: 1300'
20 sx (23 cf) Class G w/ 2% CaCl2

Plug #3 (2640' - 3428') PC Top; 2744', FC top: 2874'
Kirtland Top: 3168', Ojo Alamo Top: 3374'
175 sx (201 cf) Class G w/ 1% CaCl₂

Plug #2 (5300' - 5528') Mesaverde Top: 5562'
12 sx (13.8 cf) Class G w/ 1% CaCl2
CICR set at 5528'

MV Perfs:
5566-5575', 566-5632', 5702-5720'
5721-5731', 5829-5833', 5848-5862'
5880-5901'

TOC: 6746'
CICR set 6896

DK abandoned 10/1999
DK Perfs 38 hole (1spf 0.34")
8060-8114

PBTD: 6746'
TD 8253'

[illegible]

Rod Detail
Pump Detail

☆☆☆☆☆☆

Pumping Unit:	_____	Gear Sheave:	_____
API Designation:	_____	Stroke Length:	_____
Samson Post SN:	_____	Gear Ratio:	_____
Gear Box SN:	_____	SPM:	_____
Structural Unbalance:	_____	Horse Power:	_____
Rating Lbs	_____	Volts:	_____
Power SN:	_____	Amps:	_____
Sheave Size:	_____	Belts:	_____

[illegible]

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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
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CONDITIONS

Action 365147

CONDITIONS

Operator: SCHALK DEVELOPMENT CO P.O. Box 25825 Albuquerque, NM 87125	OGRID: 20389
	Action Number: 365147
	Action Type: [C-103] Sub. Plugging (C-103P)

CONDITIONS

Created By	Condition	Condition Date
mkuehling	well plugged 6/10/2024 - log submitted	7/25/2024