

U.S. Department of the Interior BUREAU OF LAND MANAGEMENT Sundry Print Report

Well Name: LUDWICK LS Well Location: T30N / R10W / SEC 31 /

SESW / 36.76379 / -107.92703

County or Parish/State: SAN

JUAN / NM

Well Number: 21 Type of Well: CONVENTIONAL GAS

WELL

Allottee or Tribe Name:

Lease Number: NMSF078194

Unit or CA Name:

Unit or CA Number:

US Well Number: 3004508932 Operator: HILCORP ENERGY

COMPANY

Subsequent Report

Sundry ID: 2819180

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

Date Sundry Submitted: 10/28/2024 Time Sundry Submitted: 02:28

Date Operation Actually Began: 10/16/2024

Actual Procedure: The subject well had a recent rig procedure to drill out the Dakota isolation plug and downhole commingle the MV/DK. See attached reports.

SR Attachments

Actual Procedure

Ludwick_LS_21_Commingle_Sundry_20241028142817.pdf

County or Parish/State: SAN Well Name: LUDWICK LS Well Location: T30N / R10W / SEC 31 / JUAN / NM

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COMPANY

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: CHERYLENE WESTON Signed on: OCT 28, 2024 02:28 PM

Name: HILCORP ENERGY COMPANY Title: Operations/Regulatory Tech - Sr Street Address: 1111 TRAVIS STREET

City: HOUSTON State: TX

Phone: (713) 289-2615

Email address: CWESTON@HILCORP.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: 10/29/2024

Signature: Matthew Kade



Well Operations Summary L48

Well Name: LUDWICK LS 021

API: 3004508932 Field: MV State: NEW MEXICO
Permit to Drill (PTD) #: Sundry #: Rig/Service: BWD 105

Jobs

Actual Start Date: 10/16/2024 End Date: 10/22/2024

 Report Number
 Report Start Date
 Report End Date

 1
 10/16/2024
 10/16/2024

Operation

ACCEPT HEC #105 AT 06:00 ON 10/16/2024, CREW TRAVELED TO LOCATION (EARLY)

MOB FROM THE MARTIN #100 TO LUDWICK LS #21 (15 MILE MOVE). EXTRA TIME TAKEN DUE TO ROUGH ROADS.

SPOT RIG AND EQUIPMENT, RIG UP RIG AND EQUIPMENT, BDW.

SITP: 110 PSI SICP: 180 PSI SIBHP: 90 PSI BDW: 15 MIN

KILL TUBING W/ 15 BBL WATER. N/D WH. EXTRA TIME TAKING DO TO CORROTED LOCK DOWN PINS AND BOLTS. N/U BOP. R/U RIG FLOOR. FUNCTION TEST BOP (GOOD).

R/U WELLCHECK. PRESSURE TEST PIPE RAMS AND BLIND RAMS, 250 PSI LOW FOR 5 MINUTES AND 2500 PSI HIGH FOR 10 MINUTES. TEST CHARTED. R/D WELLCHECK.

HANGER STUCK. WORK FREE. PULL TUBING HANGER. PULL TWC.

R/U PREMIER NDT SCANNING EQUIPMENT. TOOH SCANNING 2-3/8" TUBING.

0- YELLOW 0- BLUE 21- GREEN

21- GREEN 119- RED.

DOWNGRADE DUE TO PITTING. NO SCALE OUT SIDE OF TUBING. R/D PREMIER NDT SCANNING EQUIPMENT. R/U AIR UNIT.

SHUT IN WELL. SECURED LOCATION. DEBRIEFED CREW. SDFN.

CREW TRAVELED HOME. EXTRA TIME FOR EARLY START.

 Report Number
 Report Start Date
 Report End Date

 2
 10/17/2024
 10/17/2024

Operation

CREW TRAVEL TO LOCATION.

HELD PJSM WITH RIG CREW ON TODAY'S OPERATIONS. BLEED DOWN WELL.

SITP: N/A SICP: 60 PSI SIBHP: 64 PSI BDW: 5 MIN

SWAP TUBING FLOATS (TIGHT LOCATION). P/U NEW 3-7/8" JUNK MILL. TALLY AND P/U 2-3/8" YELLOW BAND TUBING. TAG FILL ON TOP OF CIBP AT 5063' (40' FILL).

P/U SWIVEL. R/U SWIVEL. PRESSURE TEST LINES (GOOD).

KI AIR, UNLOAD WELL. EST CIRC W/ AIR/FOAM UNIT. WITH 1350 CFM & 14 BBL/HR WATER. 1.5 GAL/HR SOAP & 1 GAL/HR INHIBITOR, C/O FILL TO 5103'. MILL ON CIBP AT 5103'. GOT TO 5103.5'. RIG BROKE DOWN. W/O PARTS AND FIX RIG (1HR). CONTINUE TO MILL. UNABLE TO MAKE MUCH HOLE.

CIRC WELL CLEAN. PUMP SWEEPS. KILL TUBING. L/D 1 JT. RACK BACK POWER SWIVEL.

TOOH W/ TUBING ABOVE TOP PERFS. EOT AT 4267'.

SHUT IN WELL. SECURED LOCATION. DEBRIEFED CREW. SDFN.

CREW TRAVELED HOME.

 Report Number
 Report Start Date
 Report End Date

 3
 10/18/2024
 10/18/2024

Operation

CREW TRAVEL TO LOCATION.

HELD PJSM. SERVICE & START EQUIPMENT. CK PSI: TBG-50#, CSG-250#, BH-0#. BDW FOR 10 MINS

TIH TAG CIBP @ 5103' TO VERIFY IT WAS STILL THERE.

TOOH LD JUNK MILL. (JM WAS WORN DOWN & PIECES OF METAL WERE STUCK IN JET HOLES OF MIL) SWITCH OUT JM.

TIH W/ NEW 3 7/8" JM. TAG CIBP @ 5103'. RU POWER SWIVEL.

EST CIRC AFTER 30 MINS. BEGIN MILLING ON CIBP. D/O CIBP. PU 3 JTS W/PS. RD PS.

TALLY & PUP. TAG CIBP @ 6950'. RU PS. EST CIRC. MILL OUT CIBP. PU 2 JTS W/ PS. TAG CIBP @ 7025'. EST CIRC BEGIN MILLING & C/O.

MILLED ON PLUG @ 7025' FOR 1 HR. UNABLE TO FINSIH MILLING DUE TO INCLEMENT WEATHER (LIGHTNING).

CIRC WELL CLEAN. RD POWER SWIVEL. TOOH ABOVE PERFS/ SIW, SDFN. CLEAN & SECURE LOCATION. DEBRIEF RIG CREW.

CREW TRAVEL TO YARD

 Report Number
 Report Start Date
 Report End Date

 4
 10/21/2024
 10/21/2024

CREW TRAVEL TO LOCATION.

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Operation

Released to Imaging: 10/30/2024 4:03:23 PM



Well Operations Summary L48

Well Name: LUDWICK LS 021

API: 3004508932 Field: MV State: NEW MEXICO

Sundry #: Rig/Service: BWD 105

Operation

HELD PRE JOB SAFETY MEETING. BDW.

SITP: 0 PSI SICP: 250 PSI SIBHP: 150 PSI BDW: 15 MIN

TIH W/ ALL TUBING. TAG FILL ON TOP OF PBTD AT 7003' (47' FILL). P/U AND R/U POWER SWIVEL.

KI AIR. EST CIRC W/ AIR/FOAM UNIT. WITH 1350 CFM & 15 BBL/HR WATER. 1.5 GAL/HR SOAP & 1.5 GAL/HR INHIBITOR. C/O PLUG PARTS AND SAND

FROM 7003' TO 7050' (LAST 25' ACTED LIKE FILL).

WELL MAKING LIGHT SAND. CIRCULATE WELL CLEAN. PUMP SWEEPS, KILL TUBING, RACK BACK POWER SWIVEL.

TOOH W/ ALL TUBING. L/D 3-7/8" JUNK MILL.

P/U PRODUCTION BHA. TIH WITH ALL TUBING (DRIFTING). EOT AT 6955'. HAD TO STOP TO PUMP WATER TO GET EXC TO SEAL. P/U PROD BHA. TIH

W/ ALL TBG IN DERRICK (DRIFTING). EOT AT 6953'. SHUT IN WELL. SECURED LOCATION. DEBRIEFED CREW. SDFN.

CREW TRAVELED HOME.

 Report Number
 Report Start Date
 Report End Date

 5
 10/22/2024
 10/22/2024

Operation

CREW TRAVEL TO LOCATION.

HELD PJSM WITH RIG CREW ON TODAY'S OPERATIONS. BDW.

SITP: 0 PSI SICP: 280 PSI SIBHP: 120 PSI

P/U HANGER. LAND 222 JTS 2-3/8", 4.7# EUE J-55 TBG AT 6960.42' (SN AT 6959'). R/D FLOOR. L/D POWER SWIVEL. N/D BOP. N/U WH. PT TBG TO 500 PSI (GOOD). PUMP OFF CHECK AT 680 PSI. R/D HEC #105. R/D AIR. PREFORM MAINTENANCE ON RIG. RIG RELEASED. JOB COMPLETE.

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Released to Imaging: 10/30/2024 4:03:23 PM



Current Schematic - Version 3

Well Name: LUDWICK LS 021

API/UWI 3004508932	Surface Legal Location 031-030N-010W-N	Field Name MV	Route 0702	State/Province NEW MEXICO	Well Configuration Type Vertical	
Ground Elevation (ft)	Original KB/RT Elevation (ft) 6,036.00	Tubing Hanger Elevation (ft) 6,026.00	RKB to GL (ft) 10.00	KB-Casing Flange Distance (ft)	KB-Tubing Hanger Distance (ft) 10.00	
Fubing Strings	0,000.00	,				
Run Date 10/22/2024 00:00	Set Depth (ftKB) 6,960 . 42	String Max Nominal OD (in) 2 3/8	String Min Nominal ID (in) 2,00	Weight/Length (lb/ft) 4,70	Original Spud Date 10/17/1961 00:00	
		Original	Holo [\/ortical]			
ı		Original	Hole [Vertical]			
MD TVD (ftKB)	Vertical schematic (actual)					
9.8	7 1/16in, Tubing Hang	er; 7 1/16 in; 10.00	ույլության այլույն ինչունի հետև այլունում		ent, Casing, 10/18/1961	
11.2		ftKB; 11.00 ftKB		10:00; 10.00-296.00; CEMENT CIRCULATE		
16.1				000000	296.00ftKB; 10 3/4 in;	
295.9					10.00 ftKB; 296.00 ftKB	
500.0				Production Casing C		
2,463.9	PICTURED CLIFFS (PICTUR	ED CLIFFS (fin			0.00-2,518.00; 1961-11- RMINED BY TEMP SURVEY	
2,518.0	2 3/8in, Tubing ; 2 3/8			Production Casing C		
4,315.9	11.00	ftKB; 6,925.01 ftKB		11/5/1961 10:00; 2,5	18.00-5,971.00; 1961-11-	
4,490.2				05 10:00	(11 (2002 00 00	
4,719.2	POINT LOOKOUT (POINT I	OOKOUT (fin		4316-4490ftKB on 7, (Perforated); 2002-0		
4,720.1				4720-4992ftKB on 7		
4,992.1				(Perforated); 2002-0	7-10	
5,925.9	GALLUP (GALLUP (final))			Production Casing C	ement Casina	
5,971.1			<u>~</u>		71.00-6,309.00; 1961-11-	
6,309.1				05 10:00		
6,648.9	GREENHORN (GREENHORI	l (final))		Production Casing C	ement, Casing,	
6,675.9			——————————————————————————————————————	11/5/1961 10:00; 6,3	09.00-7,056.00; 1961-11-	
6,705.1	GRANEROS (GRANEROS (fi	nal))		05 10:00		
6,820.9	DAKOTA (DAKOTA (final))					
6,824.1					1/7/1961 00:00; 1961-11-	
6,828.1				07		
6,832.0 -					1/7/1961 00:00; 1961-11-	
6,836.0 -				07		
6,844.2					1/7/1961 00:00; 1961-11-	
6,848.1				07		
6,872.0					1/7/1961 00:00; 1961-11-	
6,876.0				07		
6,886.2					1/7/1961 00:00; 1961-11-	
6,894.0	2 3/8in, Tubing Pup Joint;	2 3/8 in: 4 70 lh/ft·		07		
6,924.9		ftKB; 6,927.11 ftKB				
6,927.2	2 3/8in, Tubing ; 2 3/8	in; 4.70 lb/ft; J-55;				
6,948.2	6,927.11	ftKB; 6,958.72 ftKB	4		1/7/1961 00:00; 1961-11-	
6,956.0	2 3/8in, Seal Nipple; 2 3/	8 in; 6,958.72 ftKB;		07		
6,958.7		6,959.82 ftKB				
6,960.0	2 3/8in, Expendable Check			6060 6064#VD - 11	1/7/1061 00:00: 1061 11	
6,960.3		ftKB; 6,960.42 ftKB		07	1/7/1961 00:00; 1961-11-	
6,963.9					1/7/1961 00:00; 1961-11-	
6,967.8				07		
6,976.0					SING, 7,050.00ftKB; 4 1/2	
7,049.9				in; 4.00 in; 11.60 lb/f ftKB	t; 10.00 ftKB; 7,050.00	
7,056.1 –	_		Mandanda September	TUND		

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

CONDITIONS

Action 396579

CONDITIONS

Operator:	OGRID:
HILCORP ENERGY COMPANY	372171
1111 Travis Street	Action Number:
Houston, TX 77002	396579
	Action Type:
	[C-103] Sub. Workover (C-103R)

CONDITIONS

Created By	Condition	Condition Date
smcgrath	None	10/30/2024