

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 Submission: Subsequent Report

Type of Action: Workover Operations

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_Comminge_Sundry_20241028142817.pdf

Well Name: LUDWICK LS

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Operator: HILCORP ENERGY
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 1	Report Start Date 10/16/2024	Report End Date 10/16/2024
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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
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 2	Report Start Date 10/17/2024	Report End Date 10/17/2024
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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 3	Report Start Date 10/18/2024	Report End Date 10/18/2024
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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 FINISH 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 4	Report Start Date 10/21/2024	Report End Date 10/21/2024
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Operation

CREW TRAVEL TO LOCATION.



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 5	Report Start Date 10/22/2024	Report End Date 10/22/2024
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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.

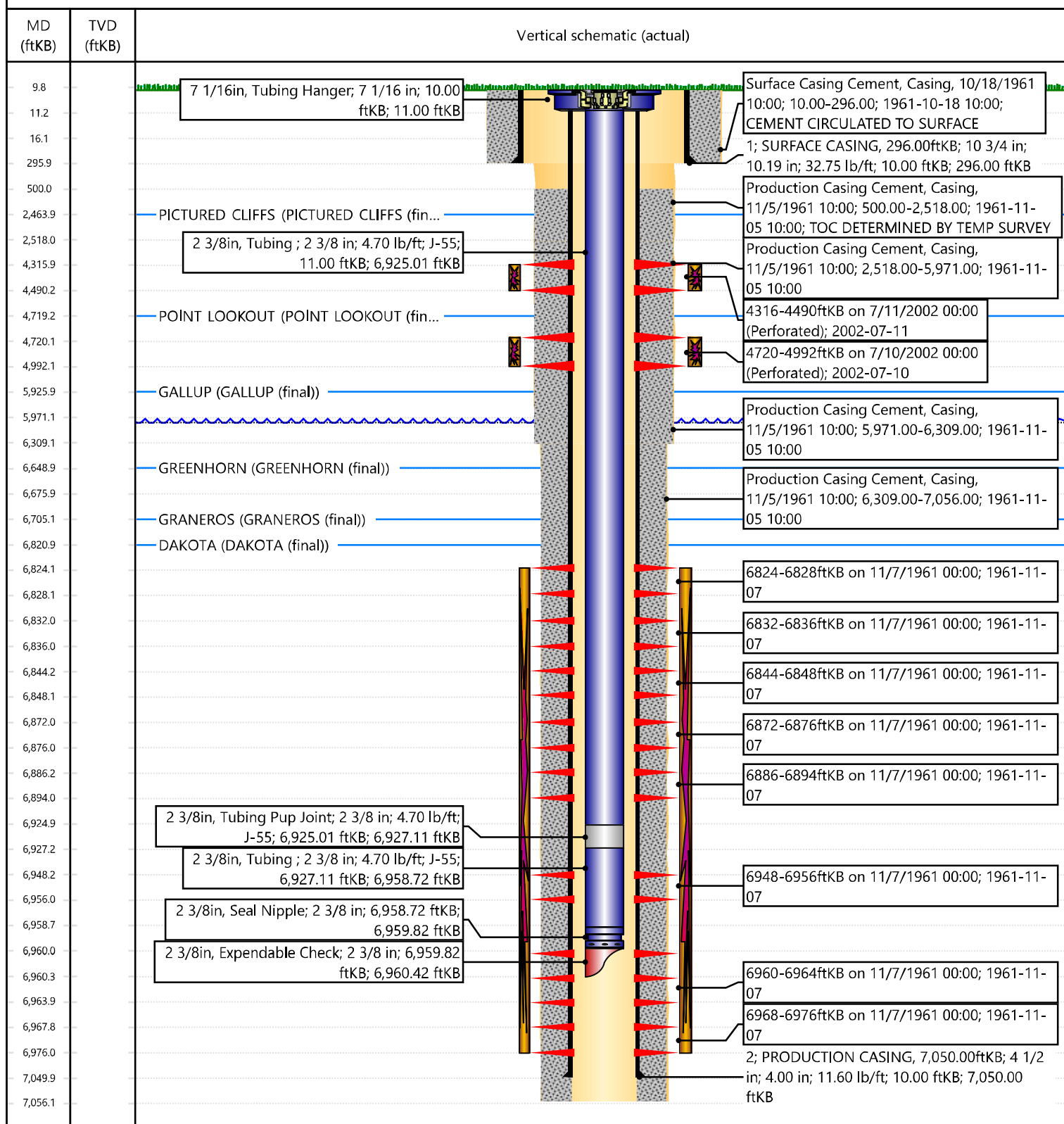


Current Schematic - Version 3

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) 6,026.00	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) 10.00	KB-Tubing Hanger Distance (ft) 10.00
Tubing Strings					
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 Hole [Vertical]



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 396579

CONDITIONS

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

CONDITIONS

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