Hilcorp Energy Company

Schematic - Current

Well Name: LUDWICK LS #21F

API / UWI	Surface Legal Location	Field Name	License No.	State/Province	Well Configuration Type
3004534070	031-030N-010W-E	San Juan Area 07		NEW MEXICO	Vertical
Original KB/RT Elevation (ft)	**RKB to GL (ft)**	**Original Spud Date**	**Rig Release Date**	**PBTD (All)**	**Total Depth All (TVD)**
6,045.00	15.00	2/19/2007 10:00	3/12/2007 17:30	Original Hole - 6,945.0	

Most Recent Job

Job Category	Primary Job Type	Secondary Job Type	Actual Start Date	End Date
FACILITIES	INSTALL FACILITIES (NEW)		9/1/2007	

TD: 6,950.0

Original Hole, LUDWICK LS #21F [Vertical]

MD (ftKB)	Vertical schematic (actual)
15.1	Mandrel, 4 1/2in; 14.96-15.96; 1.00; 3-1; 4 1/2; 4.00
	MANDRILL, 7in; 15.00-16.00; 1.00; 2-2; 7; 6.46
17.1	Casing Hanger, 9 5/8in; 15.00-17.16; 2.16; 1-1; 9 5/8; 9.00
25.9	Nipple, 9 5/8in; 17.16-17.59; 0.43; 1-2; 9 5/8; 9.00
	Casing Pup Joint, 4 1/2in; 15.96-25.96; 10.00; 3-2; 4 1/2; 4.00
101.7	Casing Joints, 4 1/2in; 25.96-69.21; 43.25; 3-3; 4 1/2; 4.00
231.0	Casing Pup Joint, 4 1/2in; 69.21-101.76; 32.55; 3-4; 4 1/2; 4.00
1,085.0	Ojo Alamo (final)
	Kirtland (final)
1,936.0	Fruitland (final)
	Pictured Cliffs (final)
2,534.1	Lewis (final)
	Casing Joints, 9 5/8in; 17.59-230.12; 212.53; 1-3; 9 5/8; 9.00
	Collar, 9 5/8in; 230.12-231.00; 0.88; 1-4; 9 5/8; 9.00
	Casing Joints, 4 1/2in; 101.76-2,991.44; 2,889.68; 3-5; 4 1/2; 4.05
	Casing, 7in; 16.00-3,910.46; 3,894.46; 2-3; 7; 6.46
3,001.3	Marker Joint, 4 1/2in; 2,991.44-3,001.46; 10.02; 3-6; 4 1/2; 4.05
3,910.4	2 3/8in, Tubing; 15.02-6,827.86; 6,812.84; 1-1; 2 3/8; 2.00
	Casing, 7in; 3,910.46-4,267.11; 356.65; 2-4; 7; 6.37
	Menefee (final)
4,267.1	FLOAT COLLAR, 7in; 4,267.11-4,267.96; 0.85; 2-5; 7; 6.37
	Casing, 7in; 4,267.96-4,312.52; 44.56; 2-6; 7; 6.37
4,312.7	FLOAT SHOE, 7in; 4,312.52-4,313.47; 0.95; 2-7; 7; 6.37
4,313.6	
4,454.1	4454-5060ftKB on 4/23/2007 11:00; 4,454.00-5,060.00; 2007-04-23 11:00
	Point Lookout (final)
	Casing Joints, 4 1/2in; 3,001.46-6,645.33; 3,643.87; 3-7; 4 1/2; 4.05
5,060.0	Gallup (final)
6,645.3	Marker Joint, 4 1/2in; 6,645.33-6,655.13; 9.80; 3-8; 4 1/2; 4.05
	Casing Joints, 4 1/2in; 6,655.13-6,945.37; 290.24; 3-9; 4 1/2; 4.05
6,705.1	Green Horn (final)
	Graneros (final)
	2 3/8in, Tubing Pup Joint; 6,827.86-6,829.96; 2.10; 1-2; 2 3/8; 2.00
6,827.8	2 3/8in, Tubing; 6,829.96-6,861.17; 31.21; 1-3; 2 3/8; 2.00
6,830.1	2 3/8in, Profile Nipple; 6,861.17-6,862.27; 1.10; 1-4; 2 3/8; 1.81
6,862.2	2 3/8in, Mule Shoe (EXP CHK); 6,862.27-6,863.12; 0.85; 1-5; 2 3/8; 1.71
	6828-6930ftKB on 4/23/2007 07:00; 6,828.00-6,930.00; 2007-04-23 07:00
6,896.0	Dakota (final)
6,931.1	
6,945.2	Float Collar, 4 1/2in; 6,945.37-6,946.17; 0.80; 3-10; 4 1/2; 4.05
6,948.2	Float Shoe, 4 1/2in; 6,946.17-6,948.10; 1.93; 3-11; 4 1/2; 4.05

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 588472

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 588472
	Action Type: [UF-WBS] Wellbore Schematic (WELLBORE SCHEMATICS)

CONDITIONS

Created By	Condition	Condition Date
jason.heslop	Accepted for record, this approval does not approve any work steps.	7/1/2026