Submit 1 Copy To Appropriate District Office
District I – (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II – (575) 748-1283
811 S. First St., Artesia, NM 88210
District III – (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV – (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-103
Revised July 18, 2013

WELL API NO. 30-045-07401

5. Indicate Type of Lease STATE ☒ FEE ☐

6. State Oil & Gas Lease No. B-11017-60

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well ☐ Gas Well ☒ Other

7. Lease Name or Unit Agreement Name: State Com A

8. Well Number 2

2. Name of Operator: Hilcorp Energy Company

9. OGRID Number: 372171

3. Address of Operator: 382 Road 3100, Aztec, NM 87410

10. Pool name or Wildcat: Blanco Mesaverde / Basin Dakota

4. Well Location
Unit Letter N : 800 feet from the South line and 1695 feet from the West line
Section 16 Township 28N Range 9W NMPM County San Juan

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)* 6268' GL

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☐	PLUG AND ABANDON	☐	REMEDIAL WORK	☐	ALTERING CASING	☐
TEMPORARILY ABANDON	☐	CHANGE PLANS	☐	COMMENCE DRILLING OPNS.	☐	P AND A	☐
PULL OR ALTER CASING	☐	MULTIPLE COMPL	☐	CASING/CEMENT JOB	☐		
DOWNHOLE COMMINGLE	☐						
CLOSED-LOOP SYSTEM	☐						
OTHER:	☒	RECOMPLETE - REVISED		OTHER:	☐		

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Revised: Hilcorp Energy Company requests permission to revised recomplete procedure in order to repair casing. Please see the attached procedure.

Spud Date: Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Kandis Roland TITLE: Operations/Regulatory Technician-Sr. DATE 5/31/2022

Type or print name Kandis Roland E-mail address: kroland@hilcorp.com PHONE: 713-757-5246

For State Use Only

APPROVED BY: TITLE DATE

Conditions of Approval (if any):

State Com A2

N – 16 – 28N – 09W 800 FSL 1695 FWL

API#: 3004507401

Mesa Verde Recompletion Procedure

05/27/2022

Prior work:

1. Pulled tubing and set CIBP at 7,086’
2. Set CIBP below Mesaverde at 6,830’ and pressure tested wellbore to frac pressure (no good)
3. Isolate two leaking intervals from 5,223’-5,285’ (inside Mancos interval we intend to abandon) and from 2,713’-2,744’
4. Spotted 3 plugs to abandon the Dakota, Gallup, and Mancos

This NOI is being submitted while work is on going to squeeze the Menefee for frac preparation submitted in prior notice. Procedure below is outlined assuming all work goes to plan as rig is on location and will need to proceed with work.

CBL will be run Tuesday 05/31 and squeeze will be drilled out and tested to verify no leak off below 2744’

Procedure:

1. Drill out retainer and squeeze from 4700’ to 5000’
2. POOH with clean out assembly and RIH with packer to 2800’
3. Pressure test wellbore to 500 PSI
4. POOH with packer and RIH with 3-7/8 watermelon mill to 2800’
5. POOH with mill and pick up PH6 work string and expandable liner (~100’ in length), liner details attached. This is the same system that was just run in the Jackson Com 1E (4.5” instead of 7”) (API # 3004525592)
6. Set liner from approximately 2800’ to 2700’ to isolate leak (2713-2744)
7. Pressure test wellbore to 500 PSI and chart for NMOCD submission.
8. Lay down tubing, wellbore will be fracture stimulated in approximately 30 days
9. MIRU frac spread.
10. Perforate and frac the Mesa Verde from 4,157’ to 5000’. RDMO frac spread.
11. MIRU service rig.
12. Test BOP’s.
13. PU mill and RIH to clean out to Mesaverde isolation plugs.
14. When water and sand rates are acceptable, flow test the Mesa Verde.
15. TIH and land production tubing.
16. ND BOP’s, NU production tree.

Well Name: STATE COM A #2

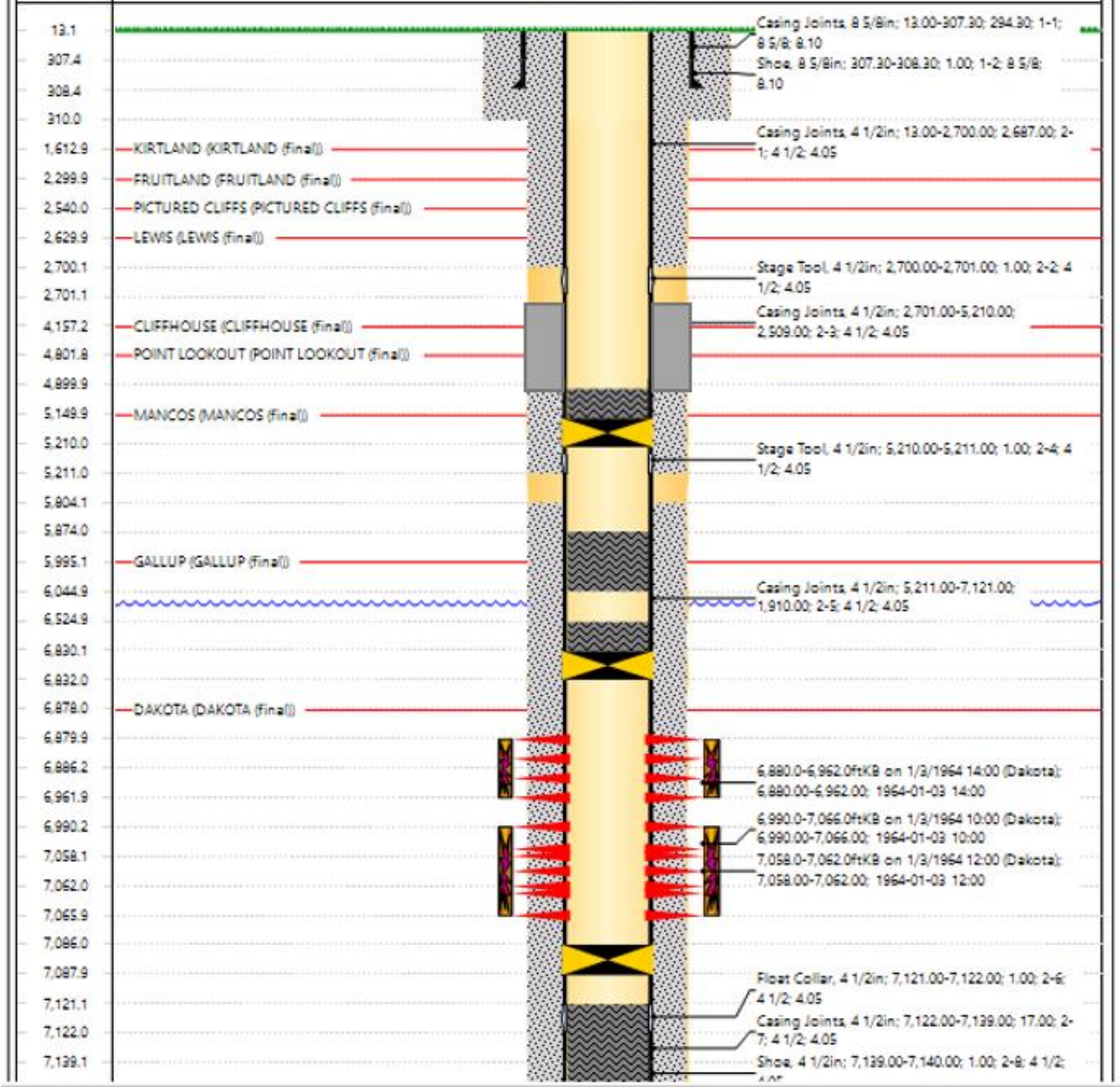
API / UWI	Surface Legal Location	Field Name	License No.	State/Province	Well Configuration Type
3004507401	016-028N-009W-N	BASIN DAKOTA (PRORATED GAS		NEW MEXICO	

Original KB/RT Elevation (ft)	KB-Ground Distance (ft)	Original Spud Date	Rig Release Date	PBTD (All) (ftKB)	Total Depth All (TVD) (ftKB)
6,281.00	13.00	11/20/1955 00:00		Original Hole - 7,121.0	

Most Recent Job

Job Category	Primary Job Type	Secondary Job Type	Actual Start Date	End Date
Capital Workover	RECOMPLETION		5/2/2022	

TD: 7,140.0 — Original Hole



Well Name: STATE COM A #2

API / UWI	Surface Legal Location	Field Name	License No.	State/Province	Well Configuration Type
3004507401	016-028N-009W-N	BASIN DAKOTA (PRORATED GAS)		NEW MEXICO	
Original KB/RT Elevation (ft)	**KB-Ground Distance (ft)**	**Original Spud Date**	**Rig Release Date**	**PBTD (All) (ftKB)**	**Total Depth All (TVD) (ftKB)**
6,281.00	13.00	11/20/1955 00:00		Original Hole - 7,121.0	

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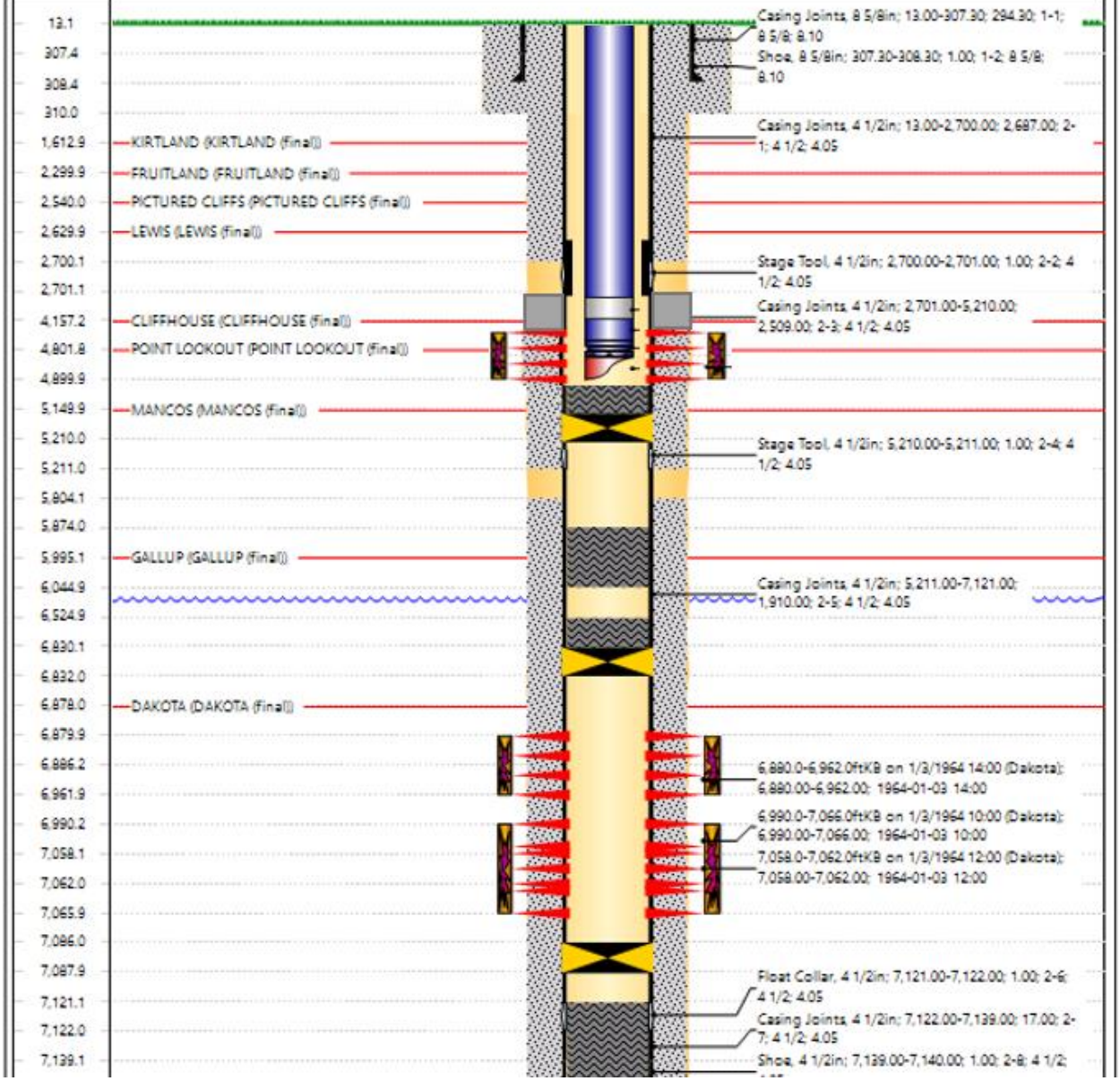
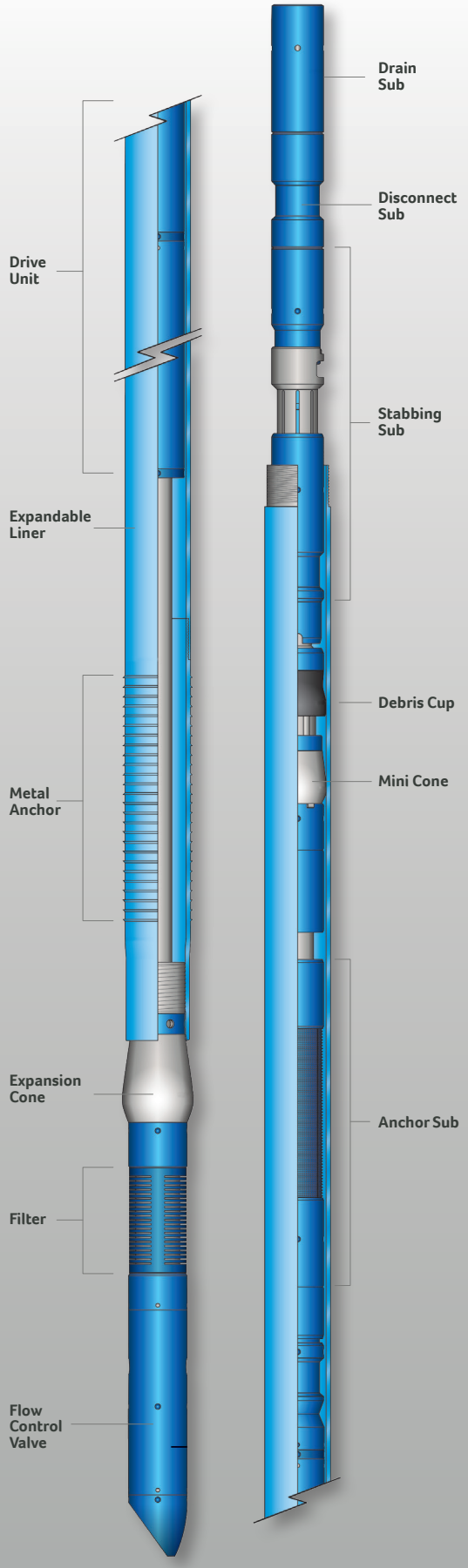
TD: 7,140.0 — Original Hole



CORE
METAL EXPANDABLES

Inner Core - ReLine MNS



Our flagship ReLine MNS system provides a single trip isolation solution with significant added value of no shoe milling, enabling the relining and isolation of various casing integrity concerns.

Once installed the ReLine MNS provides minimal loss of inner diameter (ID), whilst providing high burst and collapse ratings.

The MNS cased hole system is designed for deployment primarily on jointed pipe but can be adapted in certain applications to be deployed on coil tubing, providing the ability to cover both long and short intervals

FEATURES

- Single trip and shoeless
- Extensive size range
- Hydro mechanical bottoms-up expansion
- High pressure burst & collapse ratings
- High performance material & elastomer options
- Long length isolation achieved via proprietary e2m expandable connection
- Flow activated valve to allow for pressurizing system
- Shoeless design
- Metal to metal sealing capabilities
- Minimized/slim OD to drift restrictions
- Exotic/corrosion resitant alloys availability

BENEFITS

- No shoe milling requirement
- Extensive size range
- Single trip, long length isolation
- Selective placement of premium elastomers for zonal isolation
- Optimised post expansion ID allows for maximized reserve recovery & future intervention
- Running tool design enables flexibility in liner length

APPLICATIONS

- Isolation of unwanted water & gas
- Isolation of sand screens to negate sand ingress
- Corrosion isolation
- Isolation of casing & tubular leaks
- Isolation of leaking or compromised completions components:
  - SSD (Sliding Side Door)
  - ICV (Inflow Control Valve)
  - ICD (Inflow Control Device)
  - GLV (Gas Lift Valve)
  - CIV (Chemical Injection Valve)
- Velocity string
- Refrac/recompletion
- Parted casing
- Leaking liner hanger
- Zonal isolation

CORE PRODUCT SYNERGIES (CPS)

- ADS (Activated Drilling Scraper)
- Origin WBCU portfolio

CORETRAX®
EXPAND THE LIMITS

SPECIFICATIONS

Parent Casing					Pre-Expanded Running Specifications				Expanded Geometry				Expanded Performace		
OD [in]	Weight [lb/ft]	Wall Thickness [in]	ID [in]	Nominal Drift [in]	OD [in]	Maximum RIH OD [in]	Wall Thickness [in]	DLS Limit [°/100]	OD [in]	Nominal ID [in]	Special Drift [in]	Expansion Ratio [%]	Internal Yield Pressure [psi]	Collapse Pressure [psi]	Material Grade
5.500	26.0	0.476	4.548	4.423	4.250	4.490	0.310	36.0	4.422	3.812	3.752	5.0	10,389	8680	MTX-70
5.500	23.0	0.415	4.670	4.545	4.250	4.490	0.310	36.0	4.557	3.956	3.896	9.0	10,319	8060	MTX-70
5.500	20.0	0.361	4.778	4.653	4.250	4.490	0.310	36.0	4.678	4.084	4.024	12.5	10,253	7530	MTX-70
5.500	17.0	0.304	4.892	4.767	4.250	4.490	0.310	36.0	4.805	4.218	4.158	16.2	10,178	7000	MTX-70
5.500	15.5	0.275	4.950	4.825	4.250	4.490	0.310	36.0	4.869	4.287	4.227	18.1	10,138	6750	MTX-70
5.500	14.0	0.244	5.012	4.887	4.250	4.490	0.310	36.0	4.939	4.360	4.300	20.1	10,094	6480	MTX-70
5.500	12.8	0.228	5.044	4.919	4.250	4.490	0.310	36.0	4.974	4.398	4.338	21.2	10,071	6340	MTX-70
5.500	26.0	0.476	4.548	4.423	4.250	4.490	0.250	36.0	4.419	3.926	3.866	4.7	8,368	5870	MTX-70
5.500	23.0	0.415	4.670	4.545	4.250	4.490	0.250	36.0	4.552	4.066	4.006	8.4	8,305	5380	MTX-70
5.500	20.0	0.361	4.778	4.653	4.250	4.490	0.250	36.0	4.670	4.190	4.130	11.7	8,247	4960	MTX-70
5.500	17.0	0.304	4.829	4.767	4.250	4.490	0.250	36.0	4.795	4.321	4.261	15.2	8,183	4550	MTX-70
5.500	15.5	0.275	4.950	4.825	4.250	4.490	0.250	36.0	4.859	4.387	4.327	17.0	8,149	4350	MTX-70
5.500	14.0	0.244	5.012	4.887	4.250	4.590	0.250	36.0	4.872	4.401	4.341	17.4	8,141	4300	MTX-70
5.500	13.0	0.228	5.044	4.919	4.250	4.490	0.250	36.0	4.962	4.495	4.435	19.9	8,093	4030	MTX-70
5.000	26.7	0.562	3.876	3.751	3.500	3.740	0.254	43.7	3.761	3.269	3.209	9.2	10,261	7940	MTX-70
5.000	24.2	0.500	4.000	3.875	3.500	3.740	0.254	43.7	3.900	3.416	3.356	14.2	10,166	7220	MTX-70
5.000	23.2	0.478	4.044	3.919	3.500	3.740	0.254	43.7	3.950	3.469	3.409	15.9	10,130	6970	MTX-70
5.000	21.4	0.437	4.126	4.001	3.500	3.740	0.254	43.7	4.042	3.567	3.507	19.2	10,061	6530	MTX-70
5.000	20.8	0.422	4.156	4.031	3.500	3.740	0.254	43.7	4.076	3.602	3.542	20.4	10,035	6380	MTX-70
5.000	18.0	0.362	4.276	4.151	3.875	4.115	0.254	39.5	4.160	3.667	3.607	8.9	9,259	6620	MTX-70
4.500	15.1	0.337	3.826	3.701	3.500	3.740	0.254	43.7	3.705	3.209	3.149	7.3	10,297	8250	MTX-70
4.500	13.5	0.290	3.920	3.795	3.500	3.740	0.254	43.7	3.810	3.321	3.261	11.0	10,228	7680	MTX-70
4.500	12.6	0.271	3.958	3.833	3.500	3.740	0.254	43.7	3.853	3.366	3.306	12.5	10,199	7460	MTX-70
4.500	11.6	0.250	4.000	3.875	3.500	3.740	0.254	43.7	3.900	3.416	3.356	14.2	10,166	7220	MTX-70
4.500	10.5	0.224	4.052	3.927	3.500	3.740	0.254	43.7	3.959	3.478	3.418	16.3	10,124	6930	MTX-70
4.500	9.5	0.205	4.090	3.965	3.500	3.740	0.254	43.7	4.002	3.524	3.464	17.8	10,092	6720	MTX-70

1. All values calculated at ambient temperature unless otherwise noted.

2. Coretrax makes no warranties, guarantees, or representations, express or implied, as to the accuracy of the data, calculations and or values contained herein. In no event shall Coretrax be liable for incidental, indirect, punitive, or consequential damages arising out of the use of any products, materials, data, calculations and or values herein. Values subject to change without notice. Hard copies are considered uncontrolled.

SPECIFICATIONS

Parent Casing					Pre-Expanded Running Specifications				Expanded Geometry				Expanded Performace		
OD [in]	Weight [lb/ft]	Wall Thickness [in]	ID [in]	Nominal Drift [in]	OD [in]	Maximum RIH OD [in]	Wall Thickness [in]	DLS Limit [°/100]	OD [in]	Nominal ID [in]	Special Drift [in]	Expansion Ratio [%]	Internal Yield Pressure [psi]	Collapse Pressure [psi]	Material Grade
9.875	62.8	0.625	8.625	8.469	7.625	7.925	0.375	18.5	8.454	7.735	7.675	12.5	6,277	2,910	MTX-60
9.625	53.5	0.545	8.535	8.379	7.625	7.925	0.430	18.5	8.363	7.536	7.476	11.4	7,232	4,170	MTX-60
9.625	47.0	0.472	8.681	8.525	7.625	7.925	0.430	18.5	8.521	7.700	7.640	13.8	7,192	3,930	MTX-60
9.625	43.5	0.435	8.755	8.599	7.625	7.925	0.430	18.5	8.600	7.783	7.723	15.1	7,171	3,810	MTX-60
9.625	40.0	0.395	8.835	8.679	7.625	7.925	0.430	18.5	8.686	7.873	7.813	16.4	7,149	3,690	MTX-60
9.625	36.0	0.352	8.921	8.765	7.625	7.925	0.430	18.5	8.779	7.970	7.910	17.8	7,124	3,560	MTX-60
9.625	53.5	0.545	8.535	8.379	7.625	7.925	0.375	18.5	8.358	7.635	7.575	11.1	6,299	3,040	MTX-60
9.625	47.0	0.472	8.681	8.525	7.625	7.925	0.375	18.5	8.514	7.797	7.737	13.4	6,263	2,840	MTX-60
9.625	43.5	0.435	8.755	8.599	7.625	7.925	0.375	18.5	8.593	7.879	7.819	14.6	6,245	2,730	MTX-60
9.625	40.0	0.395	8.835	8.679	7.625	7.925	0.375	18.5	8.678	7.968	7.908	15.9	6,225	2,630	MTX-60
9.625	36.0	0.352	8.921	8.765	7.625	7.925	0.375	18.5	8.770	8.064	8.004	17.3	6,203	2,550	MTX-60
8.625	63.5	0.750	7.125	6.969	6.000	6.380	0.324	23.5	6.919	6.310	6.250	17.9	6,814	3,190	MTX-60
7.625	55.3	0.750	6.125	6.000	5.500	5.860	0.304	25.7	5.890	5.299	5.239	8.3	7,134	4,300	MTX-60
7.625	51.2	0.687	6.251	6.126	5.500	5.860	0.304	25.7	6.028	5.443	5.383	11.3	7,088	4,000	MTX-60
7.625	47.1	0.625	6.375	6.250	5.500	5.860	0.304	25.7	6.164	5.585	5.525	14.2	7,041	3,720	MTX-60
7.625	39.0	0.500	6.625	6.500	6.000	6.380	0.324	23.5	6.372	5.740	5.680	7.2	6,984	4,200	MTX-60
7.625	33.7	0.430	6.765	6.640	6.000	6.380	0.324	23.5	6.525	5.900	5.840	10.2	6,939	3,900	MTX-60
7.625	29.7	0.375	6.875	6.750	6.000	6.380	0.324	23.5	6.646	6.025	5.965	12.6	6,901	3,670	MTX-60
7.625	26.4	0.328	6.969	6.844	6.000	6.380	0.324	23.5	6.749	6.132	6.072	14.6	6,869	3,480	MTX-60
7.000	38.0	0.540	5.920	5.795	5.500	5.800	0.361	25.7	5.718	5.008	4.948	4.8	8,545	6,450	MTX-60
7.000	35.0	0.498	6.004	5.879	5.500	5.800	0.361	25.7	5.811	5.105	5.045	6.9	8,514	6,190	MTX-60
7.000	32.0	0.453	6.094	5.969	5.500	5.800	0.361	25.7	5.910	5.210	5.150	9.0	8,478	5,930	MTX-60
7.000	29.0	0.408	6.184	6.059	5.500	5.800	0.361	25.7	6.009	5.314	5.254	11.2	8,442	5,680	MTX-60
7.000	26.0	0.362	6.276	6.151	5.500	5.800	0.361	25.7	6.111	5.421	5.361	13.5	8,403	5,420	MTX-60
7.000	23.0	0.317	6.366	6.241	5.500	5.800	0.361	25.7	6.207	5.522	5.462	15.6	8,365	5,190	MTX-60
7.000	20.0	0.272	6.456	6.331	5.500	5.800	0.361	25.7	6.309	5.630	5.570	17.8	8,323	4,950	MTX-60
7.000	38.0	0.540	5.920	5.795	5.500	5.800	0.304	25.7	5.716	5.117	5.057	4.6	7,190	4,690	MTX-60
7.000	35.0	0.498	6.004	5.879	5.500	5.800	0.304	25.7	5.807	5.212	5.152	6.5	7,161	4,480	MTX-60
7.000	32.0	0.453	6.094	5.969	5.500	5.800	0.304	25.7	5.905	5.315	5.255	8.6	7,129	4,260	MTX-60
7.000	29.0	0.408	6.184	6.059	5.500	5.800	0.304	25.7	6.003	5.417	5.357	10.7	7,096	4,050	MTX-60

1. All values are based on MTX-60 material grade. Other material grades are available on request.

2. All values calculated at ambient temperature unless otherwise noted.

3. Coretrax makes no warranties, guarantees, or representations, express or implied, as to the accuracy of the data, calculations and or values contained herein. In no event shall Coretrax be liable for incidental, indirect, punitive, or consequential damages arising out of the use of any products, materials, data, calculations and or values herein. Values subject to change without notice. Hard copies are considered uncontrolled.

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7.000	26.0	0.362	6.276	6.151	5.500	5.800	0.304	25.7	6.103	5.521	5.461	12.9	7,062	3,840	MTX-60
7.000	23.0	0.317	6.366	6.241	5.500	5.800	0.304	25.7	6.198	5.620	5.560	14.9	7,029	3,650	MTX-60
7.000	20.0	0.272	6.456	6.331	5.500	5.800	0.304	25.7	6.299	5.726	5.666	17.0	6,992	3,460	MTX-60
6.625	24.0	0.352	5.921	5.796	5.500	5.800	0.304	25.7	5.717	5.118	5.058	4.6	7,190	4,690	MTX-60
5.500	26.0	0.476	4.548	4.423	4.250	4.490	0.310	30.9	4.422	3.812	3.752	5.0	9,502	7,680	MTX-60
5.500	23.0	0.415	4.670	4.545	4.250	4.490	0.310	30.9	4.557	3.956	3.896	9.0	9,438	7,150	MTX-60
5.500	20.0	0.361	4.778	4.653	4.250	4.490	0.310	30.9	4.678	4.084	4.024	12.5	9,377	6,700	MTX-60
5.500	17.0	0.304	4.892	4.767	4.250	4.490	0.310	30.9	4.805	4.218	4.158	16.2	9,309	6,250	MTX-60
5.500	15.5	0.275	4.950	4.825	4.250	4.490	0.310	30.9	4.869	4.287	4.227	18.1	9,272	6,040	MTX-60
5.500	14.0	0.244	5.012	4.887	4.250	4.490	0.310	30.9	4.939	4.360	4.300	20.1	9,232	5,810	MTX-60
5.500	12.8	0.228	5.044	4.919	4.250	4.490	0.310	30.9	4.974	4.398	4.338	21.2	9,211	5,690	MTX-60
5.500	26.0	0.476	4.548	4.423	4.250	4.490	0.250	30.9	4.419	3.926	3.866	4.7	7,653	5,290	MTX-60
5.500	23.0	0.415	4.670	4.545	4.250	4.490	0.250	30.9	4.552	4.066	4.006	8.4	7,596	4,870	MTX-60
5.500	20.0	0.361	4.778	4.653	4.250	4.490	0.250	30.9	4.670	4.190	4.130	11.7	7,543	4,520	MTX-60
5.500	17.0	0.304	4.892	4.767	4.250	4.490	0.250	30.9	4.795	4.321	4.261	15.2	7,484	4,170	MTX-60
5.500	15.5	0.275	4.950	4.825	4.250	4.490	0.250	30.9	4.859	4.387	4.327	17.0	7,453	4,000	MTX-60
5.500	14.0	0.244	5.012	4.887	4.250	4.590	0.250	30.9	4.872	4.401	4.341	17.4	7,446	3,960	MTX-60
5.500	13.0	0.228	5.044	4.919	4.250	4.490	0.250	30.9	4.962	4.495	4.435	19.9	7,402	3,730	MTX-60
5.000	26.7	0.562	3.876	3.751	3.500	3.740	0.254	37.5	3.761	3.269	3.209	9.2	9,385	7,050	MTX-60
5.000	24.2	0.500	4.000	3.875	3.500	3.740	0.254	37.5	3.900	3.416	3.356	14.2	9,298	6,440	MTX-60
5.000	23.2	0.478	4.044	3.919	3.500	3.740	0.254	37.5	3.950	3.469	3.409	15.9	9,265	6,230	MTX-60
5.000	21.4	0.437	4.126	4.001	3.500	3.740	0.254	37.5	4.042	3.567	3.507	19.2	9,202	5,850	MTX-60
5.000	20.8	0.422	4.156	4.031	3.500	3.740	0.254	37.5	4.076	3.602	3.542	20.4	9,178	5,720	MTX-60
5.000	18.0	0.362	4.276	4.151	3.875	4.115	0.254	33.9	4.160	3.667	3.607	8.9	8,469	5,930	MTX-60
4.500	15.1	0.337	3.826	3.701	3.500	3.740	0.254	37.5	3.705	3.209	3.149	7.3	9,418	7,310	MTX-60
4.500	13.5	0.290	3.920	3.795	3.500	3.740	0.254	37.5	3.810	3.321	3.261	11.0	9,355	6,830	MTX-60
4.500	12.6	0.271	3.958	3.833	3.500	3.740	0.254	37.5	3.853	3.366	3.306	12.5	9,328	6,640	MTX-60
4.500	11.6	0.250	4.000	3.875	3.500	3.740	0.254	37.5	3.900	3.416	3.356	14.2	9,298	6,440	MTX-60
4.500	10.5	0.224	4.052	3.927	3.500	3.740	0.254	37.5	3.959	3.478	3.418	16.3	9,259	6,190	MTX-60
4.500	9.5	0.205	4.090	3.965	3.500	3.740	0.254	37.5	4.002	3.524	3.464	17.8	9,230	6,020	MTX-60

1. All values are based on MTX-60 material grade. Other material grades are available on request.

2. All values calculated at ambient temperature unless otherwise noted.

3. Coretrax makes no warranties, guarantees, or representations, express or implied, as to the accuracy of the data, calculations and or values contained herein. In no event shall Coretrax be liable for incidental, indirect, punitive, or consequential damages arising out of the use of any products, materials, data, calculations and or values herein. Values subject to change without notice. Hard copies are considered uncontrolled.

CORE
METAL EXPANDABLES

ReLine MNS

Repairing Casing in the Horizontal and Stimulating Below the Patch

PROBLEM

The operator developed a leak during the early stages of a frac job. After evaluation, the leak was found approximately 2,000 ft into the lateral section stranding the remaining 7,000 ft of the lateral from being stimulated.

SOLUTION

- Coretrax's ReLine MNS system was expanded over the leaking interval from 13,865 ft to 14,025 ft
- Metal to metal seals were used on the patch to isolate the leak from high frac pressures
- Coretrax's proprietary expandable flush joint connections allowed 160 ft of liner to be fully expanded
- The large post expanded patch ID of 3.416-in. allowed the operator to pump at the high rates needed for the frac job and still pass frac plugs
- The ReLine MNS running tool eliminates the need for a conventional shoe at the bottom of the patch, so no drilling is required after patch installation

RESULTS

- The ReLine MNS liner was successfully deployed and expanded in one trip with no shoe milling required keeping the lateral clean of debris
- After the installation of the ReLine MNS, 30 stages were successfully stimulated below the patch utilizing long range frac plugs and 10 stages were stimulated above the patch using standard frac plugs
- During the frac operation, 4.4 million pounds of proppant was pumped through the patch at 55 BPM to frac the lower 30 stages

PROJECT DETAILS

Location: North Dakota
Date: October 2015
Well Measured Depth: 21,200 ft
KOP: 10,900 ft
Inclination: 90° F
Casing: 4-1/2" 11.60#

Total Patch Interval: 160 ft
Patch Setting Depth: 14,025 ft
Installed Patch ID: 3.416"
Frac Rate: 55 BPM
Treating Pressure: 9,000 PSI

CORETRAX®
EXPAND THE LIMITS

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 111922

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 111922
	Action Type: [C-103] NOI Recompletion (C-103E)

CONDITIONS

Created By	Condition	Condition Date
mkuehling	Pressure test after patch set will need to be from depth of top of Mancos plug to surface prior to perforating Mesa Verde with witness from this office. CBL required after squeeze work.	5/31/2022
kpickford	No DHC required.	5/31/2022