

Santa Fe Main Office Phone: (505) 476-3441 Fax: (55) 476-3462 General Information Phone: (505) 629-6116 Online Phone Directory Visit: https://www.emnrd.nm.gov/ocd/contact-us/	State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION	C-104 Revised July 9, 2024 Submit Electronically Via OCD Permitting
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REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT**Section 1 - Operator and Well Information**

Submittal Type: ☒ Test Allowable (C-104RT) ☐ New Well (C-104NW) ☐ Recomplete (C-104RC) ☐ Pay Add (C-104RC) ☐ Amended	
Operator Name: Hilcorp Energy Company	OGRID: 372171
Property Name and Well Number: Gonsales State Com 1N	Property Code: 318890
Mineral Owner: ☒ State ☐ Fee ☐ Tribal ☐ Federal	API Number: 30-045-38344
Pool Name: Blanco Mesaverde	Pool Code: 72319

Section 2 – Surface Location

UL I	Section 16	Township 30N	Range 11W	Lot	Ft. from N/S 1457' FSL	Ft. from E/W 1086' FEL	Latitude 36.809085	Longitude -107.991591	County San Juan
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Section 3 – Completion Information

Producing Method	Ready Date ~ 8/14/2024	Perforations MD ~3800' – 4850'	Perforations TVD ~3800' – 4850'
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Section 4 – Action IDs for Submissions and Order Numbers

List Action IDs for Drilling Sundries	Was an Order required / needed (Y/N), if yes list Order number:
C-104 RT Action ID (if C-104NW):	Communitization Agreement ☐ Yes ☒ No, Order No.
Surface Casing Action ID: 373693	Unit: ☐ Yes ☒ No, Order No.
Intermediate 1 Casing Action ID: 373693	Compulsory Pooling: ☐ Yes ☒ No, Order No.
Intermediate 2 Casing Action ID:	Down Hole Commingling: ☒ Yes ☐ No, Order No. DHC 5403
Production Casing Action ID: 373693	Surface Commingling: ☐ Yes ☒ No, Order No.
All casing was pressure tested in accordance with NMAC ☒ Yes ☐ No	Non-standard Location: ☐ Yes ☒ No ☐ Common ownership Order No.
Liner 1 Action ID:	Non-standard Proration: ☐ Yes ☒ No, Order No.
Casing was installed prior to OCD's Action ID system (Y/N): N	Simultaneous Dedication: ☐ Yes ☒ No, Order No.

Section 5 - Operator Signature and Certification

☒ I hereby certify that the required Water Use Report has been, or will be, submitted for this well's completion.	
☒ I hereby certify that the required Fracfocus disclosure has been, or will be, submitted for this well's completion.	
☒ I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.	
Name 	
Title: Operations Regulatory Tech Sr.	Date 8/14/2024

C-102 Submit Electronically via OCD Permitting	State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION	Revised July 9, 2024	
		Submittal Type:	☐ Initial Submittal
			☐ Amended Report
		☒ As Drilled	

WELL LOCATION INFORMATION

API Number 30-045-38344	Pool Code 72319	Pool Name BLANCO MESAVERDE
Property Code 318890	Property Name GONSALES STATE COM	Well Number 1N
OGRID No. 372171	Operator Name HILCORP ENERGY COMPANY	Ground Level Elevation 5762'
Surface Owner: ☒ State ☐ Fee ☐ Tribal ☐ Federal		Mineral Owner: ☒ State ☐ Fee ☐ Tribal ☐ Federal

Surface Location

UL I	Section 16	Township 30N	Range 11W	Lot	Ft. from N/S 1457' SOUTH	Ft. from E/W 1086' EAST	Latitude 36.809085°N	Longitude -107.991591°W	County SAN JUAN
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Bottom Hole Location

UL I	Section 16	Township 30N	Range 11W	Lot	Ft. from N/S 1365' SOUTH	Ft. from E/W 1126' EAST	Latitude 36.808832°N	Longitude -107.991735°W	County SAN JUAN
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Dedicated Acres 320.00 E/2 SECTION 16	Infill or Defining Well	Defining Well API	Overlapping Spacing Unit (Y/N) N	Consolidation Code COM
Order Numbers. DHC - 5403			Well setbacks are under Common Ownership: ☐ Yes ☒ No	

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
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First Take Point (FTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
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Last Take Point (LTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
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Unitized Area or Area of Uniform Interest	Spacing Unit Type ☐ Horizontal ☒ Vertical	Ground Floor Elevation: 5762'
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OPERATOR CERTIFICATIONS

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is a vertical or directional well, that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.

8/14/2024

Signature

Date

Amanda Walker

Printed Name

mwalker@hilcorp.com

Email Address

SURVEYOR CERTIFICATIONS

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

**JASON C. EDWARDS**

Signature and Seal of Professional Surveyor

Certificate Number

15269

Date of Survey

MARCH 22, 2024

Note: No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

(B)
BOTTOM-HOLE
1365 FSL 1126 FEL
LAT 36.808828 °N
LONG -107.991111 °W
DATUM: NAD1927

LAT 36.808832 °N
LONG -107.991735 °W
DATUM: NAD1983

Released to Imaging: 8/16/2024 9:45:23 AM

VERTICALITY

COMPANY	HILCORP ENERGY COMPANY		
WELL	GONSALES STATE COM #1N		
FIELD	BLANCO MESAVERDE/BASIN DAKOTA		
PROVINCE/COUNTY	SAN JUAN		
COUNTRY/STATE	U.S.A. / NEW MEXICO		
LOCATION	1457' FSL & 1086' FEL SEC 16 T 30N RGE 11W		
API Number	30-045-38344	Other Services	DUAL NEUTRON
Permit Number	36.809085	PHOTO-DENSITY	
Latitude	-107.981591	ARRAY INDUCTION	
Longitude			
Permanent Datum GL, Elevation 5762 feet			
Log Measured From KB, 17.00 feet above Permanent Datum			
Drilling Measured From KB			
Date	16-JUL-2024	Elevations:	KB 5779.00 DF 5779.00 GL 5762.00
Run Number	ONE		
Service Order	T43-240715WFT		
Depth Driller	6777.00	feet	
Depth Logger	6778.00	feet	
First Reading	6749.00	feet	
Last Reading	4044.00	feet	
Casing Driller	4047.00	feet	
Casing Logger	4044.00	feet	
Bit Size	6.250	inches	
Hole Fluid Type	AIR		
Density / Viscosity	---	---	
PL / Fluid Loss	---	---	
Sample Source	---		
R @ Measured Temp	---		
R @ Measured Temp	---		
R @ Measured Temp	---		
Sealant Rmf / Rmc	CALC	CALC	
R @ BHT	---		
Time Since Circulation	---		
M Recorded Temp	181.00	deg F	
E Component / Base	14343	MID	
Recorded By	BRIAN GRAHAMANN		
Witnessed By	---		
Log	DRAKE #3		

In interpreting, communicating or providing information and/or making recommendations, either written or oral, as to logs or test or other data, type or amount of material, or Work or other service to be furnished, or manner of performance, or in predicting results to be obtained, the Contractor will give the Company the benefit of the Contractor's best judgment based on its experience and will perform all such Work in a good and workmanlike manner. Any interpretation of test or other data, and any recommendation or reservoir description based upon such interpretations, are opinions based upon inferences from measurements and empirical relationships and assumptions, which inferences and assumptions are not infallible, and with respect to which professional engineers and analysts may differ. ACCORDINGLY ANY INTERPRETATION OR RECOMMENDATION RESULTING FROM THE SERVICES WILL BE AT THE SOLE RISK OF THE COMPANY, AND THE CONTRACTOR CANNOT AND DOES NOT WARRANT THE ACCURACY, CORRECTNESS OR COMPLETENESS OF ANY SUCH INTERPRETATION OR RECOMMENDATION, WHICH INTERPRETATIONS AND RECOMMENDATIONS SHOULD NOT, THEREFORE, UNDER ANY CIRCUMSTANCES BE RELIED UPON AS THE SOLE OR MAIN BASIS FOR ANY DRILLING, COMPLETION, WELL TREATMENT, PRODUCTION OR FINANCIAL DECISION, OR ANY PROCEDURE INVOLVING ANY RISK TO THE SAFETY OF ANY DRILLING ACTIVITY, DRILLING RIG OR ITS CREW OR ANY OTHER INDIVIDUAL. THE COMPANY HAS FULL RESPONSIBILITY FOR ALL DECISIONS CONCERNING THE SERVICES.

REMARKS

WLS VERSION 23.15

- TOOLSTRING:

RUN 1 : AIR TRIPLE COMBO WITH BOREHOLE NAVIGATION

- HARDWARE USED:

MAI: 0.5 INCH STANDOFFS

MDN: DUAL ECCENTRIC BOWSPRING

Verticality Analysis Interpretation Notes

24-JUL-2024 11:13

All plotted output is automatically scaled to obtain the best visual effect within the physical space available. The maximum scales being 1:50000(metric) and 1:48000(imperial), and the minimum 1:1.

The analysis is derived by integrating 10cm sampled data down the borehole. The listing supplied will contain a maximum of 200 points in multiples of 1, 2, 5, 10, 20, 50 or 100 metres/feet depending on the total range of the analysis. However, the analysis is calculated for the entire range of the borehole and the final borehole position is included in the listing.

Computed verticality may only be fully derived in open sections of the borehole, away from the influence of any unusual magnetic effects, (as the azimuth calculations are derived from three solid state magnetometers). So the analysis will generally begin at the end of the casing and all borehole positional information will relate to this depth.

Up to ten cross sections may be requested for any borehole to be displayed at any scale, (the default scale is that of the cross-section for the entire hole).

Borehole positional error is derived assuming the following parameters.

	TILT (degrees)	AZIMUTH (degrees)
Typical Error	+/- 0.1000	+/- 5.0000
Maximum Error	+/- 0.2000	+/- 8.0000

Error analysis may be calculated and plotted from the data listing as follows:

a) Plot the four coordinates from the error listing (based upon zero azimuth error) on a target plot. Origin at the start of the analysis.

b) Describe arcs of +/- 10.00 degrees and +/- 15.00 degrees (centre at the origin) through the inner and outer points respectively.

c) Connect the respective arcs together with straight lines to give the typical and maximum borehole positional error.

Given below is a full description of the parameters displayed on the ensuing listing:

LOG DEPTH	The depth recorded on the field logs for the borehole.
TRUE DEPTH	The true vertical depth corresponding to the above depth. Corrected from the start of the analysis.
HOLE TILT AND AZIMUTH	The sampled borehole orientation. Tilt measured from Vertical.
AXIAL COORDINATES	The coordinates North and East from the target origin.
POLAR COORDINATES	The polar or radial coordinates of the borehole.
ERROR COORDINATES	The polar coordinates corresponding to the typical and maximum tilt error.

N.B. The reference point for all bearing angles on this listing is given at the top of each sheet.

Verticality Data Listing

C:\LOGS\Hilcorp\Gonsales State Com 1N\Hilcorp_Gonsales_State_Com_#1N\Internal\Hilcorp_Gonsales_State_Com_#1N.wll

All Co-ordinates With Respect To Magnetic North, all depths in feet

Date Processed: 24-JUL-2024

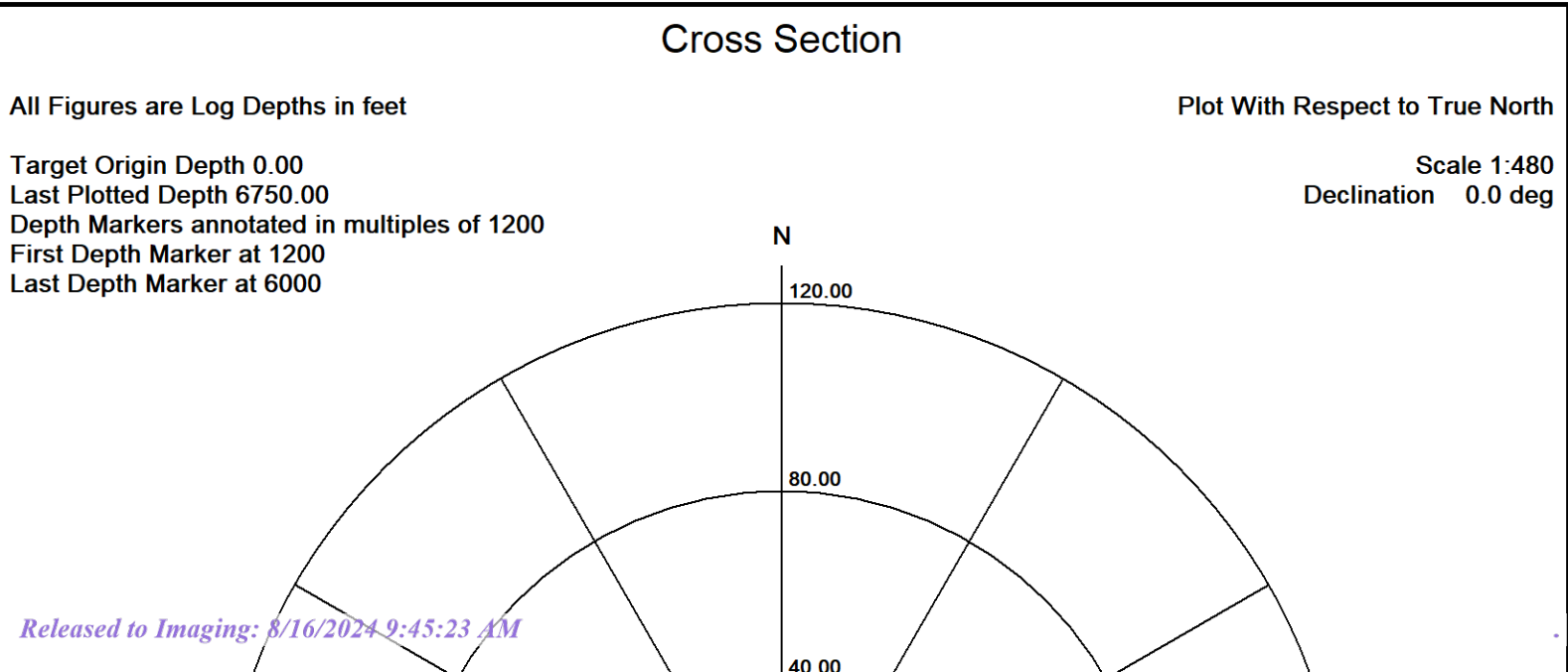
First Depth 0.00, 0.00 North, 0.00 East of Origin

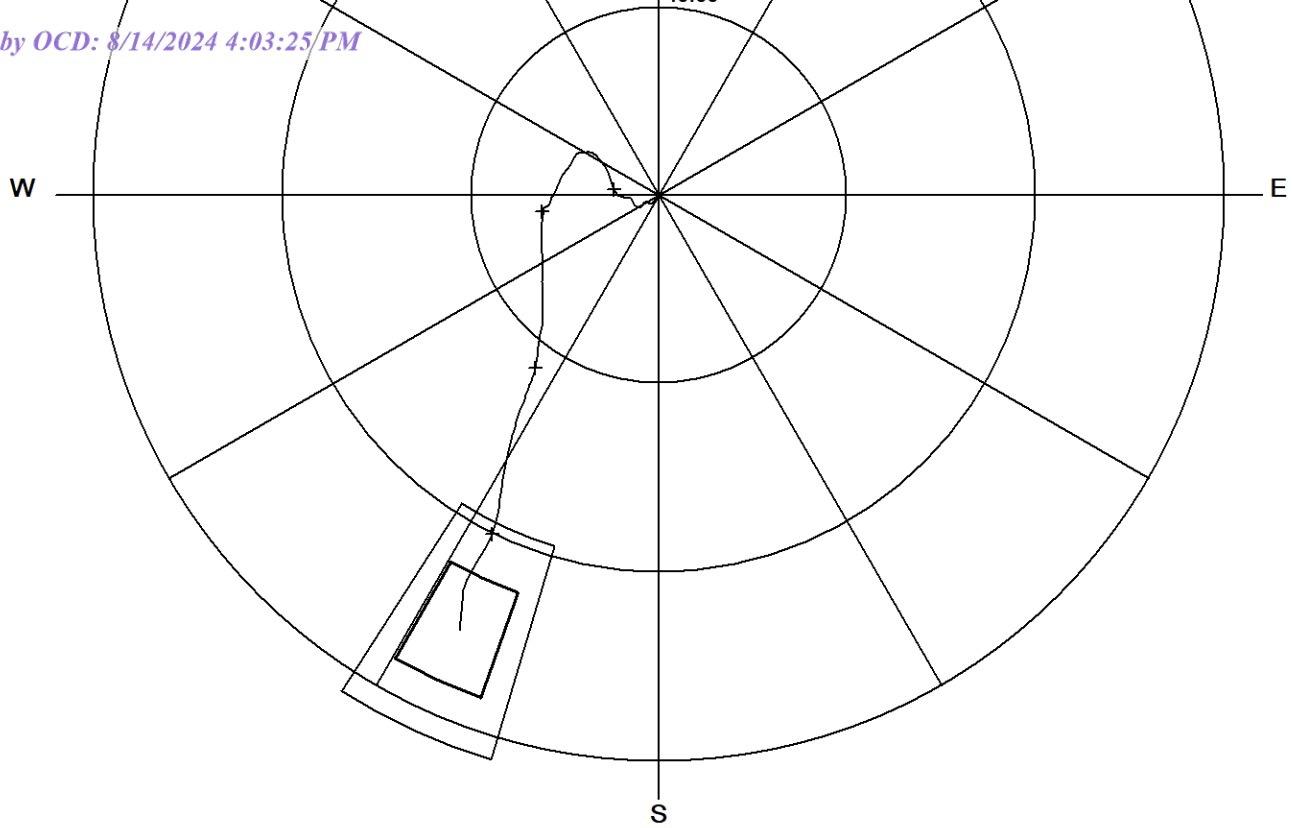
Date Logged: 16-JUL-2024

DEPTHS		BOREHOLE		AXIAL CO-ORDS		POLAR		POLAR ERROR CO-ORDINATES (MAXIMUM & TYPICAL)							
Log	True	Tilt	Azi	North	East	Brg	Radius	Brg	Radius	Brg	Radius	Brg	Radius	Brg	Radius
0.00	-0.00	0.0	0.0	0.02	0.01	31	0.02	0	0.00	0	0.00	0	0.00	0	0.00
243.00	243.00	0.4	45.7	0.61	0.62	45	0.87	45	1.72	45	0.02	45	1.29	45	0.44
272.00	272.00	0.4	205.7	0.59	0.65	48	0.87	48	1.82	228	0.07	48	1.35	48	0.40
413.00	412.99	0.5	213.7	-0.37	0.09	166	0.38	166	1.82	346	1.06	166	1.10	346	0.34
613.00	612.98	0.5	248.7	-1.41	-1.21	221	1.85	221	3.99	41	0.29	221	2.92	221	0.78
676.00	675.98	0.6	204.7	-1.81	-1.60	221	2.41	221	4.77	221	0.05	221	3.59	221	1.23
739.00	738.98	0.7	306.7	-1.88	-2.05	227	2.78	227	5.36	227	0.20	227	4.07	227	1.49
802.00	801.98	0.5	293.7	-1.54	-2.61	239	3.03	239	5.83	239	0.23	239	4.43	239	1.63
865.00	864.98	0.4	227.7	-1.58	-3.02	242	3.41	242	6.43	242	0.39	242	4.92	242	1.90
927.00	926.98	0.2	242.7	-1.77	-3.28	242	3.72	242	6.96	242	0.49	242	5.34	242	2.11
990.00	989.97	0.6	212.7	-2.10	-3.55	239	4.13	239	7.58	239	0.67	239	5.85	239	2.40
1116.00	1115.97	0.1	287.7	-2.62	-4.01	237	4.79	237	8.69	237	0.90	237	6.74	237	2.85
1179.00	1178.97	0.3	256.7	-2.64	-4.23	238	4.98	238	9.10	238	0.87	238	7.04	238	2.93
1242.00	1241.97	0.4	247.7	-2.76	-4.59	239	5.36	239	9.69	239	1.02	239	7.53	239	3.19
1304.00	1303.97	0.1	33.7	-2.80	-4.76	240	5.52	240	10.08	240	0.97	240	7.80	240	3.25
1367.00	1366.97	0.5	328.7	-2.52	-4.87	243	5.49	243	10.26	243	0.71	243	7.87	243	3.10
1430.00	1429.97	0.1	234.7	-2.32	-5.06	245	5.57	245	10.56	245	0.57	245	8.06	245	3.07
1493.00	1492.97	0.3	304.7	-2.25	-5.24	247	5.71	247	10.92	247	0.49	247	8.31	247	3.10
1618.00	1617.96	0.5	344.7	-1.54	-5.65	255	5.86	255	11.51	255	0.21	255	8.68	255	3.04
1681.00	1680.96	0.3	357.7	-1.11	-5.73	259	5.84	259	11.71	79	0.03	259	8.77	259	2.91
1807.00	1806.96	0.3	275.7	-0.75	-6.08	263	6.12	263	12.43	83	0.19	263	9.28	263	2.97
1932.00	1931.96	0.5	276.7	-0.65	-6.94	265	6.97	265	13.72	265	0.23	265	10.35	265	3.60
2121.00	2120.95	0.8	300.7	0.12	-8.90	271	8.90	271	16.30	271	1.49	271	12.60	271	5.20
2183.00	2182.93	1.9	341.7	1.31	-9.59	278	9.68	278	17.30	278	2.06	278	13.49	278	5.87
2309.00	2308.87	1.6	338.7	4.93	-10.89	294	11.95	294	20.01	294	3.89	294	15.98	294	7.92
2371.00	2370.85	1.5	320.7	6.37	-11.72	299	13.33	299	21.61	299	5.06	299	17.47	299	9.20
2434.00	2433.83	0.8	329.7	7.39	-12.46	301	14.48	301	22.98	301	5.99	301	18.73	301	10.24
2559.00	2558.82	0.7	304.7	8.57	-13.53	302	16.02	302	24.95	302	7.08	302	20.48	302	11.55
2622.00	2621.82	0.5	317.7	9.00	-14.03	303	16.67	303	25.82	303	7.51	303	21.24	303	12.09
2684.00	2683.82	0.8	270.7	9.20	-14.64	302	17.30	302	26.66	302	7.93	302	21.98	302	12.61
2747.00	2746.81	0.6	259.7	9.15	-15.41	301	17.92	301	27.51	301	8.33	301	22.71	301	13.13
2871.00	2870.81	0.5	272.7	9.06	-16.59	299	18.90	299	28.92	299	8.88	299	23.91	299	13.89
2934.00	2933.80	0.4	252.7	9.00	-17.07	298	19.30	298	29.54	298	9.06	298	24.42	298	14.18
2996.00	2995.80	0.5	226.7	8.75	-17.48	297	19.55	297	30.00	297	9.09	297	24.77	297	14.32
3059.00	3058.80	0.8	217.7	8.22	-17.94	295	19.74	295	30.41	295	9.06	295	25.08	295	14.40
3122.00	3121.80	0.7	199.7	7.51	-18.34	292	19.82	292	30.72	292	8.92	292	25.27	292	14.37
3184.00	3183.78	1.2	216.7	6.63	-18.86	289	19.99	289	31.10	289	8.88	289	25.55	289	14.43
3247.00	3246.77	1.2	217.7	5.58	-19.66	286	20.43	286	31.77	286	9.10	286	26.10	286	14.77
3310.00	3309.76	1.0	209.7	4.58	-20.33	283	20.84	283	32.40	283	9.29	283	26.62	283	15.06
3372.00	3371.75	1.5	210.7	3.41	-21.01	279	21.29	279	33.06	279	9.52	279	27.17	279	15.40
3435.00	3434.72	1.5	197.7	1.92	-21.69	275	21.77	275	33.76	275	9.78	275	27.77	275	15.77
3516.00	3515.70	1.3	205.7	0.08	-22.41	270	22.41	270	34.68	270	10.13	270	28.54	270	16.27
3560.00	3559.69	0.7	222.7	-0.57	-22.80	269	22.81	269	35.24	269	10.39	269	29.02	269	16.60
3623.00	3622.69	0.7	188.7	-1.23	-23.12	267	23.16	267	35.80	267	10.51	267	29.48	267	16.83
3686.00	3685.68	0.7	199.7	-1.97	-23.31	265	23.39	265	36.26	265	10.53	265	29.83	265	16.96
3748.00	3747.68	0.5	276.7	-2.30	-23.71	264	23.82	264	36.90	264	10.74	264	30.36	264	17.28
3874.00	3873.68	0.6	205.7	-2.83	-24.54	263	24.70	263	38.22	263	11.18	263	31.46	263	17.94
3936.00	3935.67	0.8	195.7	-3.54	-24.80	262	25.05	262	38.79	262	11.31	262	31.92	262	18.18
3950.00	3949.67	0.7	325.6	-3.56	-24.87	262	25.13	262	38.91	262	11.34	262	32.02	262	18.23
4000.00	3999.67	0.4	4.5	-3.12	-25.03	263	25.22	263	39.18	263	11.26	263	32.20	263	18.24
4050.00	4049.67	0.2	29.5	-2.86	-24.97	263	25.14	263	39.27	263	11.00	263	32.20	263	18.07
4100.00	4099.67	0.2	96.1	-2.80	-24.85	264	25.01	264	39.32	264	10.69	264	32.16	264	17.85
4150.00	4149.67	0.4	147.5	-2.96	-24.66	263	24.84	263	39.33	263	10.36	263	32.09	263	17.60
4200.00	4199.66	0.8	178.4	-3.45	-24.56	262	24.80	262	39.46	262	10.14	262	32.13	262	17.47
4250.00	4249.66	1.4	188.4	-4.37	-24.63	260	25.02	260	39.85	260	10.18	260	32.44	260	17.60
4300.00	4299.63	2.1	187.4	-5.86	-24.84	257	25.52	257	40.53	257	10.51	257	33.02	257	18.01
4350.00	4349.60	2.1	180.5	-7.69	-24.96	253	26.12	253	41.30	253	10.93	253	33.71	253	18.53
4400.00	4399.60	2.1	180.5	-7.69	-24.91	249	26.75	249	42.11	249	11.39	249	34.43	249	19.07
4450.00	4449.49	3.3	178.2	-12.36	-24.80	244	27.71	244	43.24	244	12.18	244	35.48	244	19.94

Received by OCED: 8/14/2024 4:03:25 PM Page 22 of 14

4500.00	4499.40	3.5	181.0	-15.35	-24.78	238	29.15	238	44.86	238	13.44	238	37.00	238	21.30
4550.00	4549.31	3.4	179.6	-18.57	-24.80	233	30.86	233	46.74	233	14.98	233	38.80	233	22.61
4600.00	4599.22	3.2	177.9	-21.26	-24.74	229	32.62	229	48.67	229	16.56	229	40.65	229	24.59
4650.00	4649.16	2.8	178.7	-23.86	-24.66	226	34.31	226	50.54	226	18.08	226	42.43	226	26.20
4700.00	4699.11	2.4	184.0	-26.09	-24.70	223	35.93	223	52.33	223	19.52	223	44.13	223	27.73
4750.00	4749.07	2.1	190.9	-28.00	-24.94	222	37.50	222	54.08	222	20.92	222	45.79	222	29.21
4800.00	4799.04	1.7	188.9	-29.63	-25.23	220	38.91	220	55.67	220	22.16	220	47.29	220	30.53
4850.00	4849.02	1.5	188.5	-31.02	-25.44	219	40.12	219	57.05	219	23.19	219	48.58	219	31.65
4900.00	4899.01	1.2	187.2	-32.20	-25.61	218	41.14	218	58.24	218	24.04	218	49.69	218	32.59
4950.00	4949.00	1.2	185.0	-33.25	-25.72	218	42.03	218	59.31	218	24.76	218	50.67	218	33.39
5000.00	4998.98	1.3	187.7	-34.34	-25.84	217	42.98	217	60.43	217	25.53	217	51.70	217	34.25
5050.00	5048.97	1.4	191.3	-35.53	-26.04	216	44.05	216	61.68	216	26.42	216	52.86	216	35.24
5100.00	5098.96	1.3	194.0	-36.69	-26.30	216	45.14	216	62.95	216	27.34	216	54.05	216	36.24
5150.00	5148.94	1.2	197.9	-37.73	-26.60	215	46.16	215	64.14	215	28.19	215	55.15	215	37.17
5200.00	5198.93	1.0	199.9	-38.63	-26.90	215	47.08	215	65.23	215	28.93	215	56.15	215	38.00
5250.00	5248.93	1.0	202.2	-39.44	-27.21	215	47.92	215	66.24	215	29.59	215	57.08	215	38.76
5300.00	5298.92	0.9	201.8	-40.18	-27.51	214	48.70	214	67.20	214	30.20	214	57.95	214	39.45
5350.00	5348.92	0.8	198.3	-40.87	-27.77	214	49.41	214	68.09	214	30.74	214	58.75	214	40.07
5400.00	5398.91	0.9	200.6	-41.59	-28.02	214	50.14	214	68.99	214	31.30	214	59.57	214	40.72
5450.00	5448.90	1.0	197.2	-42.39	-28.30	214	50.97	214	69.99	214	31.95	214	60.48	214	41.46
5500.00	5498.89	1.2	199.5	-43.33	-28.61	213	51.92	213	71.12	213	32.72	213	61.52	213	42.32
5550.00	5548.88	1.5	201.3	-44.43	-29.02	213	53.06	213	72.44	213	33.69	213	62.75	213	43.38
5600.00	5598.86	1.5	201.2	-45.63	-29.49	213	54.33	213	73.88	213	34.78	213	64.10	213	44.56
5650.00	5648.85	1.4	198.7	-46.83	-29.93	213	55.58	213	75.30	213	35.86	213	65.44	213	45.72
5700.00	5698.83	1.5	195.1	-48.04	-30.29	212	56.79	212	76.69	212	36.89	212	66.74	212	46.84
5750.00	5748.81	1.7	194.5	-49.38	-30.64	212	58.11	212	78.18	212	38.04	212	68.15	212	48.08
5800.00	5798.78	2.1	196.8	-50.97	-31.09	211	59.70	211	79.95	211	39.46	211	69.83	211	49.58
5850.00	5848.75	2.0	195.4	-52.70	-31.59	211	61.44	211	81.86	211	41.02	211	71.65	211	51.23
5900.00	5898.72	1.9	191.1	-54.36	-31.99	210	63.07	210	83.66	210	42.48	210	73.37	210	52.77
5950.00	5948.69	2.2	190.2	-56.11	-32.32	210	64.75	210	85.52	210	43.98	210	75.13	210	54.37
6000.00	5998.65	2.5	192.9	-58.12	-32.73	209	66.70	209	87.64	209	45.75	209	77.17	209	56.23
6050.00	6048.60	2.4	191.3	-60.18	-33.17	209	68.72	209	89.84	209	47.60	209	79.28	209	58.16
6100.00	6098.56	2.3	188.3	-62.17	-33.52	208	70.63	208	91.92	208	49.34	208	81.27	208	59.98
6150.00	6148.52	2.5	185.1	-64.23	-33.75	208	72.56	208	94.03	208	51.09	208	83.29	208	61.83
6200.00	6198.47	2.8	189.1	-66.53	-34.04	207	74.74	207	96.38	207	53.10	207	85.56	207	63.92
6250.00	6248.40	3.2	193.5	-69.10	-34.56	207	77.26	207	99.07	207	55.44	207	88.17	207	66.35
6300.00	6298.31	3.4	199.6	-71.83	-35.38	206	80.07	206	102.06	206	58.09	206	91.07	206	69.08
6350.00	6348.23	3.3	211.6	-74.45	-36.63	206	82.97	206	105.14	206	60.81	206	94.06	206	71.89
6400.00	6398.15	3.1	214.2	-76.81	-38.15	206	85.76	206	108.10	206	63.42	206	96.93	206	74.59
6450.00	6448.08	3.1	210.7	-79.08	-39.60	207	88.44	207	110.96	207	65.93	207	99.70	207	77.19
6500.00	6498.01	2.8	202.8	-81.37	-40.76	207	91.00	207	113.69	207	68.31	207	102.35	207	79.66
6550.00	6547.96	2.7	192.6	-83.63	-41.48	206	93.35	206	116.21	206	70.49	206	104.78	206	81.92
6600.00	6597.90	2.8	184.8	-85.96	-41.84	206	95.60	206	118.64	206	72.57	206	107.12	206	84.09
6650.00	6647.85	2.5	183.7	-88.26	-42.01	205	97.74	205	120.95	205	74.53	205	109.35	205	86.14
6700.00	6697.81	2.1	183.2	-90.27	-42.13	205	99.62	205	123.01	205	76.24	205	111.31	205	87.93
6750.00	6747.77	2.0	181.3	-92.08	-42.21	205	101.29	205	124.85	205	77.73	205	113.07	205	89.51





Borehole Positional Error

The two boxes surrounding the last plotted depth show the typical and maximum positional error at that depth.

Final Borehole Position

The last plotted depth is at
92.08 feet South
42.21 feet West
ie 101.29 feet from the origin
205 deg from True North

Vertical Sections

North-South Section

0.0 0.0

1200.0

2400.0

3600.0

(True Depth vs Displacement)

Vertical Scale 1:12000
Horizontal Scale 1:1200

Markers annotated as above

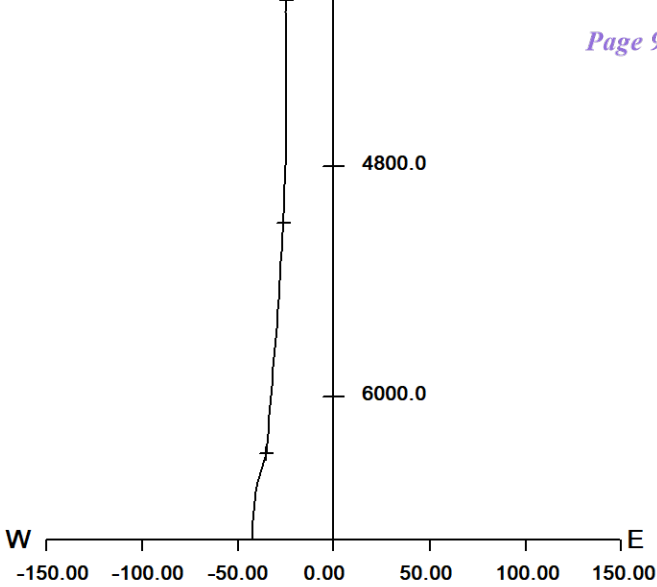
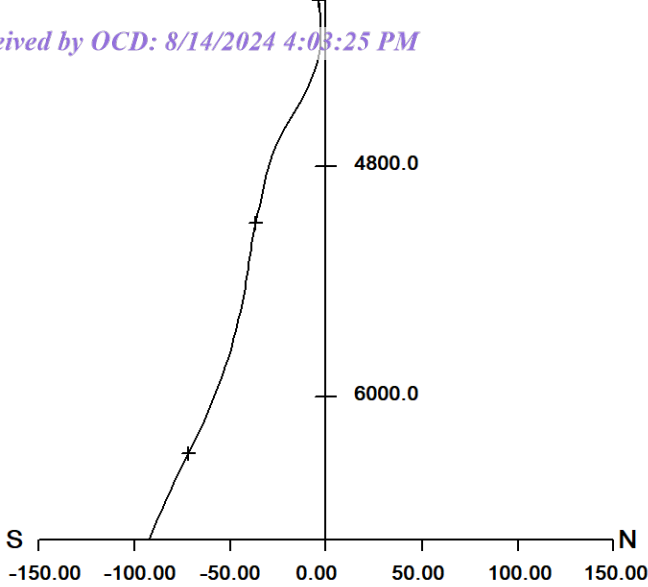
East-West Section

0.0 0.0

1200.0

2400.0

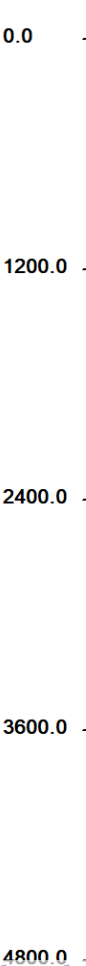
3600.0



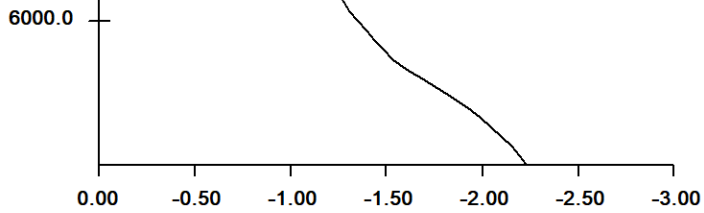
Depth Correction Analysis

Vertical Scale 1:12000
Horizontal Scale 1:12

Log
Depth
0.0 0.0



Depths	Log	True	Depths	Log	True
0.00	-0.00		4900.00	4899.01	
243.00	243.00		4950.00	4949.00	
272.00	272.00		5000.00	4998.98	
413.00	412.99		5050.00	5048.97	
613.00	612.98		5100.00	5098.96	
676.00	675.98		5150.00	5148.94	
739.00	738.98		5200.00	5198.93	
802.00	801.98		5250.00	5248.93	
865.00	864.98		5300.00	5298.92	
927.00	926.98		5350.00	5348.92	
990.00	989.97		5400.00	5398.91	
1116.00	1115.97		5450.00	5448.90	
1179.00	1178.97		5500.00	5498.89	
1242.00	1241.97		5550.00	5548.88	
1304.00	1303.97		5600.00	5598.86	
1367.00	1366.97		5650.00	5648.85	
1430.00	1429.97		5700.00	5698.83	
1493.00	1492.97		5750.00	5748.81	
1618.00	1617.96		5800.00	5798.78	
1681.00	1680.96		5850.00	5848.75	
1807.00	1806.96		5900.00	5898.72	
1932.00	1931.96		5950.00	5948.69	
2121.00	2120.95		6000.00	5998.65	
2183.00	2182.93		6050.00	6048.60	
2309.00	2308.87		6100.00	6098.56	
2371.00	2370.85		6150.00	6148.52	
2434.00	2433.83		6200.00	6198.47	
2559.00	2558.82		6250.00	6248.40	
2622.00	2621.82		6300.00	6298.31	
2684.00	2683.82		6350.00	6348.23	
2747.00	2746.81		6400.00	6398.15	
2871.00	2870.81		6450.00	6448.08	
2934.00	2933.80		6500.00	6498.01	
2996.00	2995.80		6550.00	6547.96	
3059.00	3058.80		6600.00	6597.90	
3122.00	3121.80		6650.00	6647.85	
3184.00	3183.78		6700.00	6697.81	
3247.00	3246.77		6750.00	6747.77	
3310.00	3309.76				
3372.00	3371.75				
3435.00	3434.72				
3516.00	3515.70				
3560.00	3559.69				
3623.00	3622.69				
3686.00	3685.68				
3748.00	3747.68				
3811.00	3810.67				
3874.00	3873.66				

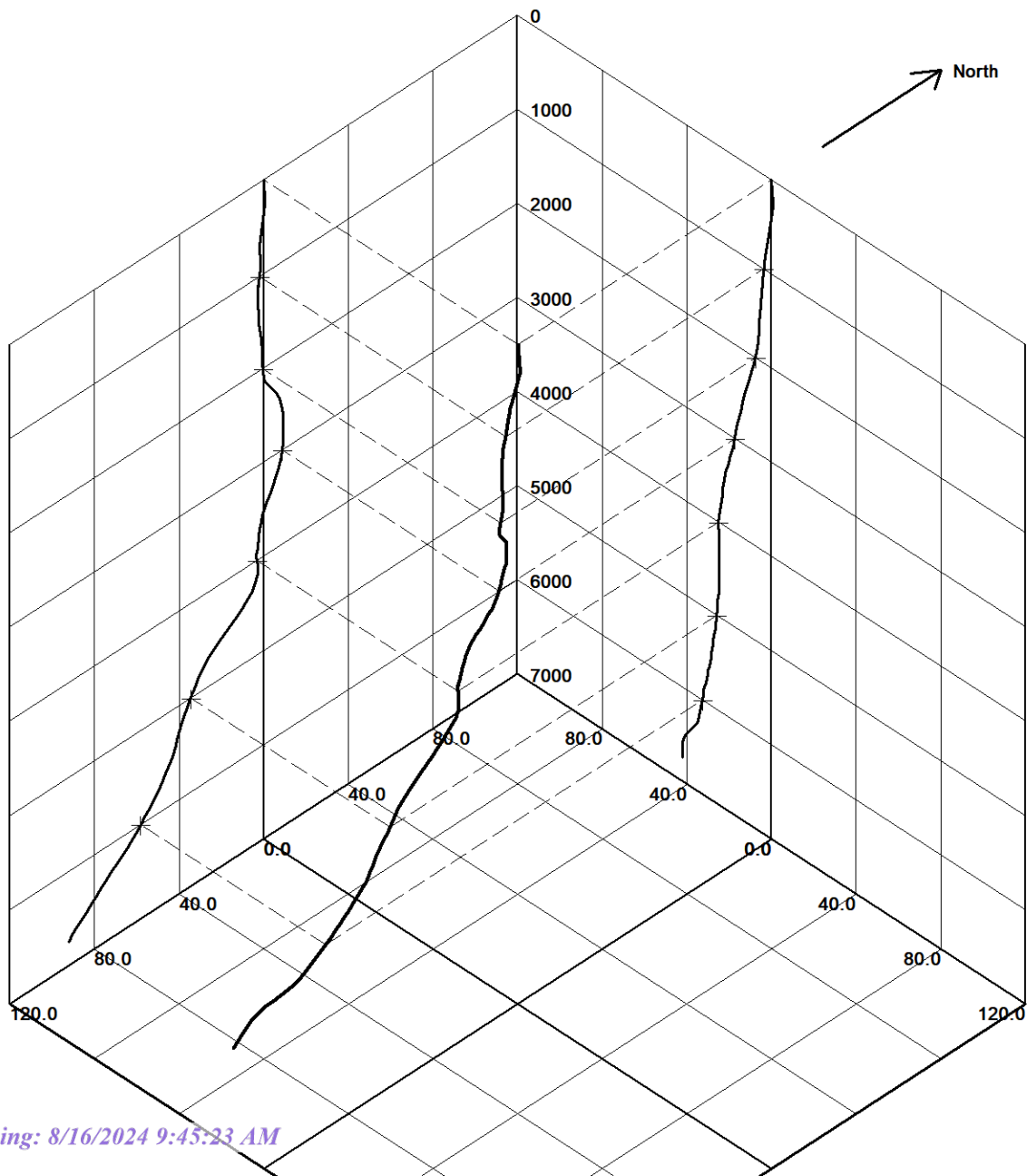


3874.00	3873.68
3936.00	3935.67
3950.00	3949.67
4000.00	3999.67
4050.00	4049.67
4100.00	4099.67
4150.00	4149.67
4200.00	4199.66
4250.00	4249.66
4300.00	4299.63
4350.00	4349.60
4400.00	4399.56
4450.00	4449.49
4500.00	4499.40
4550.00	4549.31
4600.00	4599.22
4650.00	4649.16
4700.00	4699.11
4750.00	4749.07
4800.00	4799.04
4850.00	4849.02

3D Borehole Deviation

All figures are True Depths / displacements in feet
Origin Depth 0.00
Last Plotted Depth 6750.00

Plot With Respect to True North
Declination 0.0 deg



The last plotted depth is at
92.08 feet South
42.21 feet West
ie 101.29 feet from the origin
205 deg from True North

COMPANY	HILCORP ENERGY COMPANY				
WELL	GONSALES STATE COM #1N				
FIELD	BLANCO MESAVERDE/BASIN DAKOTA				
PROVINCE/COUNTY	SAN JUAN				
COUNTRY/STATE	U.S.A. / NEW MEXICO				
Elevation Kelly Bushing	5779.00	feet	Last Reading	4044.00	feet
Elevation Drill Floor	5779.00	feet	First Reading	6749.00	feet
Elevation Ground Level	5762.00	feet	Depth Driller	6777.00	feet
			Depth Logger	6778.00	feet

WIRELINE

LOGGING

SOLUTIONS

VERTICALITY



July 24, 2024

STATEMENT OF DIRECTIONAL SURVEY CERTIFICATION

I, Marty Flores, an authorized employee of Wireline Logging Solutions, have verified the directional survey performed on July 16, 2024 from 4,044 ft. to 6,778 ft. The data are true, correct, complete and within the limitations of the tool. This survey was conducted at the request of Chris Tomlinson for Hilcorp Energy Company on the Gonsales State Com #1N (API#30-045-38344) drilled in San Juan County, New Mexico.

Regards,

A handwritten signature in black ink, appearing to read "Marty Flores", is written over a light blue horizontal line.

Marty Flores
General Manager
Wireline Logging Solutions
marty.flores@wirelinelogs.com

3200 Wilcrest, Suite 170, Houston, TX 77042

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

ACKNOWLEDGMENTS

Action 373993

ACKNOWLEDGMENTS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 373993
	Action Type: [C-104] Completion Packet - Test Allowable (C-104RT)

ACKNOWLEDGMENTS

☒	I hereby certify that the required Water Use Report has been, or will be, submitted for this wells completion.
☒	I hereby certify that the required FracFocus disclosure has been, or will be, submitted for this wells completion.
☒	I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

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State of New Mexico
Energy, Minerals and Natural Resources
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Santa Fe, NM 87505

CONDITIONS

Action 373993

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 373993
	Action Type: [C-104] Completion Packet - Test Allowable (C-104RT)

CONDITIONS

Created By	Condition	Condition Date
smcgrath	RT Expires 09/15/2024	8/16/2024