

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

Form C-103
Revised July 18, 2013

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

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.)		WELL API NO. 30-045-23834
1. Type of Well: Oil Well ☐ Gas Well ☒ Other		5. Indicate Type of Lease STATE ☐ FEE ☒
2. Name of Operator HILCORP ENERGY COMPANY		6. State Oil & Gas Lease No.
3. Address of Operator 382 Road 3100, Aztec, NM 87410		7. Lease Name or Unit Agreement Name San Juan 32-7 Unit
4. Well Location Unit Letter <u>K</u> : <u>1770'</u> feet from the <u>South</u> line and <u>1830'</u> feet from the <u>West</u> line Section <u>07</u> Township <u>32N</u> Range <u>07W</u> NMPM County <u>San Juan</u>		8. Well Number 55
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 6515' GL		9. OGRID Number 372171
		10. Pool name or Wildcat Blanco Mesaverde / Basin Dakota

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: ☐		OTHER: ☒	RECORD CLEANUP

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.

Through file review it has been determined that a gyro survey was never ran to determine the correct BHL. Attached please find the Gyro Survey ran on 7/17/2019. Please update records to reflect this well as a **directional** with the following BHL: **UL K Sec. 07, T32N, R07W, 1457' FSL & 1880' FWL**

NMOC

AUG 05 2019

DISTRICT III

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

TITLE Operations/Regulatory Technician - Sr. DATE 8/2/2019

Type or print name Amanda Walker E-mail address: mwalker@hilcorp.com PHONE: (505)324-5122

For State Use Only

APPROVED BY:

TITLE Data comp manager DATE 8/15/19

Conditions of Approval (if any):

3/6/2019

OCD Permitting

Form C-102

August 1, 2011

Permit 264258

District I1625 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

☒ Revised

As Drilled Plat

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-045-23834	2. Pool Code 72319	3. Pool Name BLANCO-MESAVERDE (PRORATED GAS)
4. Property Code 318434	5. Property Name SAN JUAN 32 7 UNIT	6. Well No. 055
7. OGRID No. 372171	8. Operator Name HILCORP ENERGY COMPANY	9. Elevation 6515

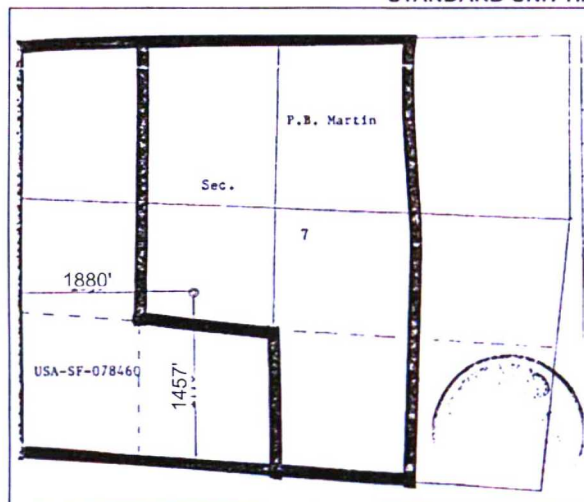
10. Surface Location

UL - Lot K	Section 7	Township 32N	Range 07W	Lot Idn	Feet From 1770	N/S Line S	Feet From 1830	E/W Line W	County SAN JUAN
---------------	--------------	-----------------	--------------	---------	-------------------	---------------	-------------------	---------------	--------------------

11. Bottom Hole Location If Different From Surface

UL - Lot	K	Section	7	Township	32N	Range	07W	Lot Idn		Feet From	1457	N/S Line	S	Feet From	1880	E/W Line	W	County	San Juan
12. Dedicated Acres						13. Joint or Infill			14. Consolidation Code						15. Order No.				
293.09 263.21															NSP: R-1066				

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

**OPERATOR CERTIFICATION**

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

E-Signed By: Amanda Walker

Title: Operations / Regulatory Tech. Sr.

Date: 3/6/2019

SURVEYOR CERTIFICATION

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.

Surveyed By: Fred B. Kerr Jr.

Date of Survey: 8/15/1979

Certificate Number: 3950

NMOC**AUG 05 2019****DISTRICT III**



Hilcorp Energy Corp.

San Juan, NM NAD27

San Juan

San Juan 32-7 #55

OH

Design: OH

Survey Report - Geographic

23 July, 2019



Scientific Drilling

www.scientificdrilling.com





Scientific Drilling, Intl
Survey Report - Geographic



Company:	Hilcorp Energy Corp.	Local Co-ordinate Reference:	Well San Juan 32-7 #55
Project:	San Juan, NM NAD27	TVD Reference:	GL 6515' & RKB 13' @ 6528.00usft
Site:	San Juan	MD Reference:	GL 6515' & RKB 13' @ 6528.00usft
Well:	San Juan 32-7 #55	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Grand Junction District

Project	San Juan, NM NAD27		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico West 3003		

Site	San Juan			
Site Position:		Northing:	2,180,575.55 usft	Latitude: 36.9923897
From:	Lat/Long	Easting:	565,223.28 usft	Longitude: -107.6100000
Position Uncertainty:	0.00 usft	Slot Radius:	13.20 in	Grid Convergence: 0.13 °

Well	San Juan 32-7 #55			
Well Position	+N/-S 0.00 usft	Northing:	2,180,575.55 usft	Latitude: 36.9923897
	+E/-W 0.00 usft	Easting:	565,223.28 usft	Longitude: -107.6100000
Position Uncertainty	0.00 usft	Wellhead Elevation:	0.00 usft	Ground Level: 6,515.00 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	7/23/2019	8.90	63.48	49,834

Design	OH			
Audit Notes:				
Version:	1.0	Phase:	ACTUAL	Tie On Depth: 0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	272.963

Survey Program	Date 7/23/2019			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
100.00	7,809.11	Survey #1 - Gyro Survey (OH)	Standard Keeper 104	Standard Wireline Keeper ver 1.0.4

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
0.00	0.00	0.000	0.00	0.00	0.00	2,180,575.55	565,223.28	36.9923897	-107.6100000
100.00	0.05	140.280	100.00	-0.03	0.03	2,180,575.52	565,223.31	36.9923896	-107.6099999
125.00	0.13	59.800	125.00	-0.03	0.06	2,180,575.52	565,223.34	36.9923896	-107.6099998
150.00	0.07	84.630	150.00	-0.01	0.10	2,180,575.54	565,223.38	36.9923896	-107.6099997
175.00	0.04	84.650	175.00	-0.01	0.12	2,180,575.54	565,223.41	36.9923896	-107.6099996
200.00	0.16	188.780	200.00	-0.04	0.13	2,180,575.51	565,223.41	36.9923895	-107.6099996
225.00	0.27	191.070	225.00	-0.14	0.11	2,180,575.41	565,223.39	36.9923893	-107.6099997
250.00	0.43	184.660	250.00	-0.29	0.09	2,180,575.26	565,223.38	36.9923889	-107.6099997
275.00	0.42	187.520	275.00	-0.47	0.07	2,180,575.08	565,223.36	36.9923884	-107.6099998
300.00	0.41	178.350	300.00	-0.65	0.06	2,180,574.90	565,223.35	36.9923879	-107.6099998
325.00	0.50	180.270	325.00	-0.85	0.06	2,180,574.70	565,223.35	36.9923873	-107.6099998
350.00	0.44	176.030	350.00	-1.05	0.07	2,180,574.50	565,223.36	36.9923868	-107.6099998



Scientific Drilling, Intl

Survey Report - Geographic



Company: Hilcorp Energy Corp.
Project: San Juan, NM NAD27
Site: San Juan
Well: San Juan 32-7 #55
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well San Juan 32-7 #55
TVD Reference: GL 6515' & RKB 13' @ 6528.00usft
MD Reference: GL 6515' & RKB 13' @ 6528.00usft
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: Grand Junction District

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
375.00	0.50	167.450	375.00	-1.26	0.10	2,180,574.29	565,223.39	36.9923862	-107.6099997
400.00	0.45	160.170	399.99	-1.46	0.16	2,180,574.09	565,223.44	36.9923857	-107.6099995
425.00	0.57	156.260	424.99	-1.66	0.24	2,180,573.89	565,223.53	36.9923851	-107.6099992
450.00	0.70	154.890	449.99	-1.91	0.36	2,180,573.64	565,223.64	36.9923844	-107.6099988
475.00	0.73	146.380	474.99	-2.19	0.51	2,180,573.37	565,223.80	36.9923837	-107.6099983
500.00	0.75	148.790	499.99	-2.46	0.68	2,180,573.09	565,223.97	36.9923829	-107.6099977
525.00	0.78	148.790	524.99	-2.74	0.85	2,180,572.81	565,224.14	36.9923821	-107.6099971
550.00	0.80	150.040	549.98	-3.04	1.03	2,180,572.51	565,224.32	36.9923813	-107.6099965
575.00	0.73	149.810	574.98	-3.33	1.20	2,180,572.22	565,224.49	36.9923805	-107.6099959
600.00	0.74	142.110	599.98	-3.59	1.38	2,180,571.96	565,224.67	36.9923798	-107.6099953
625.00	0.65	138.590	624.98	-3.83	1.57	2,180,571.73	565,224.86	36.9923792	-107.6099947
650.00	0.59	127.950	649.98	-4.01	1.76	2,180,571.54	565,225.06	36.9923786	-107.6099940
675.00	0.64	124.870	674.97	-4.17	1.98	2,180,571.38	565,225.27	36.9923782	-107.6099933
700.00	0.63	123.210	699.97	-4.33	2.21	2,180,571.23	565,225.50	36.9923778	-107.6099925
725.00	0.67	123.810	724.97	-4.48	2.45	2,180,571.07	565,225.74	36.9923774	-107.6099917
750.00	0.65	120.370	749.97	-4.64	2.69	2,180,570.92	565,225.99	36.9923769	-107.6099908
775.00	0.63	112.300	774.97	-4.76	2.94	2,180,570.80	565,226.23	36.9923766	-107.6099900
800.00	0.61	112.220	799.97	-4.86	3.19	2,180,570.69	565,226.49	36.9923763	-107.6099891
825.00	0.69	112.910	824.96	-4.97	3.45	2,180,570.59	565,226.75	36.9923760	-107.6099882
850.00	0.69	118.090	849.96	-5.10	3.72	2,180,570.46	565,227.02	36.9923757	-107.6099873
875.00	0.66	108.700	874.96	-5.22	3.99	2,180,570.34	565,227.29	36.9923753	-107.6099864
900.00	0.77	112.160	899.96	-5.33	4.28	2,180,570.23	565,227.58	36.9923750	-107.6099854
925.00	0.80	117.250	924.96	-5.47	4.60	2,180,570.09	565,227.89	36.9923746	-107.6099843
950.00	0.78	109.470	949.95	-5.61	4.91	2,180,569.95	565,228.21	36.9923743	-107.6099832
975.00	0.81	115.140	974.95	-5.74	5.23	2,180,569.82	565,228.53	36.9923739	-107.6099821
1,000.00	0.81	111.210	999.95	-5.88	5.56	2,180,569.68	565,228.85	36.9923735	-107.6099810
1,025.00	0.90	107.860	1,024.95	-6.00	5.91	2,180,569.56	565,229.21	36.9923732	-107.6099798
1,050.00	0.91	112.950	1,049.94	-6.14	6.28	2,180,569.42	565,229.58	36.9923728	-107.6099785
1,075.00	1.01	120.370	1,074.94	-6.33	6.65	2,180,569.24	565,229.95	36.9923723	-107.6099773
1,100.00	1.44	137.910	1,099.93	-6.67	7.05	2,180,568.89	565,230.35	36.9923713	-107.6099759
1,125.00	1.56	135.980	1,124.93	-7.15	7.50	2,180,568.42	565,230.80	36.9923700	-107.6099744
1,150.00	1.14	120.590	1,149.92	-7.52	7.95	2,180,568.05	565,231.25	36.9923690	-107.6099728
1,175.00	1.29	122.260	1,174.91	-7.80	8.40	2,180,567.77	565,231.70	36.9923682	-107.6099713
1,200.00	1.43	128.980	1,199.91	-8.15	8.88	2,180,567.42	565,232.18	36.9923673	-107.6099696
1,225.00	1.42	127.300	1,224.90	-8.53	9.37	2,180,567.04	565,232.67	36.9923662	-107.6099680
1,250.00	1.47	129.900	1,249.89	-8.92	9.86	2,180,566.65	565,233.17	36.9923652	-107.6099663
1,275.00	1.53	136.790	1,274.88	-9.37	10.34	2,180,566.20	565,233.64	36.9923639	-107.6099646
1,300.00	1.60	137.290	1,299.87	-9.87	10.80	2,180,565.70	565,234.11	36.9923626	-107.6099631
1,325.00	1.61	137.150	1,324.86	-10.39	11.28	2,180,565.19	565,234.59	36.9923611	-107.6099614
1,350.00	1.48	145.040	1,349.85	-10.91	11.70	2,180,564.67	565,235.01	36.9923597	-107.6099600
1,375.00	1.36	147.260	1,374.85	-11.42	12.05	2,180,564.16	565,235.36	36.9923583	-107.6099588
1,400.00	1.49	145.600	1,399.84	-11.94	12.39	2,180,563.64	565,235.70	36.9923569	-107.6099576
1,425.00	1.52	147.910	1,424.83	-12.49	12.75	2,180,563.09	565,236.06	36.9923554	-107.6099564
1,450.00	1.44	148.100	1,449.82	-13.04	13.09	2,180,562.54	565,236.41	36.9923539	-107.6099552
1,475.00	1.43	143.940	1,474.81	-13.56	13.44	2,180,562.03	565,236.76	36.9923524	-107.6099540
1,500.00	1.49	143.420	1,499.81	-14.07	13.82	2,180,561.51	565,237.14	36.9923510	-107.6099527
1,525.00	1.56	146.260	1,524.80	-14.61	14.20	2,180,560.97	565,237.52	36.9923495	-107.6099514
1,550.00	1.59	145.070	1,549.79	-15.18	14.59	2,180,560.40	565,237.91	36.9923480	-107.6099501
1,575.00	1.64	143.190	1,574.78	-15.75	15.00	2,180,559.83	565,238.32	36.9923464	-107.6099487
1,600.00	1.64	140.700	1,599.77	-16.31	15.44	2,180,559.27	565,238.77	36.9923449	-107.6099472
1,625.00	1.68	139.670	1,624.76	-16.87	15.91	2,180,558.72	565,239.23	36.9923433	-107.6099456
1,650.00	1.74	140.250	1,649.75	-17.44	16.39	2,180,558.15	565,239.71	36.9923418	-107.6099439
1,675.00	1.83	140.240	1,674.73	-18.04	16.89	2,180,557.55	565,240.21	36.9923401	-107.6099422
1,700.00	1.98	140.400	1,699.72	-18.68	17.42	2,180,556.91	565,240.74	36.9923384	-107.6099404
1,725.00	1.97	138.400	1,724.70	-19.33	17.98	2,180,556.26	565,241.31	36.9923366	-107.6099385



Scientific Drilling, Intl
Survey Report - Geographic



Company: Hilcorp Energy Corp.
Project: San Juan, NM NAD27
Site: San Juan
Well: San Juan 32-7 #55
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well San Juan 32-7 #55
TVD Reference: GL 6515' & RKB 13' @ 6528.00usft
MD Reference: GL 6515' & RKB 13' @ 6528.00usft
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: Grand Junction District

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
1,750.00	2.03	138.950	1,749.69	-19.99	18.55	2,180,555.60	565,241.88	36.9923348	-107.6099365
1,775.00	2.08	140.420	1,774.67	-20.67	19.13	2,180,554.92	565,242.47	36.9923329	-107.6099345
1,800.00	2.08	138.210	1,799.66	-21.36	19.72	2,180,554.24	565,243.06	36.9923310	-107.6099325
1,825.00	2.26	136.850	1,824.64	-22.06	20.36	2,180,553.54	565,243.70	36.9923291	-107.6099303
1,850.00	2.14	139.000	1,849.62	-22.77	21.01	2,180,552.83	565,244.34	36.9923271	-107.6099281
1,875.00	1.97	137.340	1,874.60	-23.44	21.60	2,180,552.16	565,244.94	36.9923253	-107.6099261
1,900.00	1.96	135.350	1,899.59	-24.06	22.20	2,180,551.54	565,245.54	36.9923236	-107.6099240
1,925.00	2.00	135.100	1,924.58	-24.67	22.80	2,180,550.93	565,246.15	36.9923219	-107.6099220
1,950.00	2.04	136.530	1,949.56	-25.30	23.42	2,180,550.30	565,246.76	36.9923202	-107.6099199
1,975.00	2.05	138.430	1,974.54	-25.96	24.02	2,180,549.64	565,247.37	36.9923184	-107.6099178
2,000.00	2.05	137.590	1,999.53	-26.63	24.62	2,180,548.98	565,247.97	36.9923165	-107.6099157
2,025.00	2.11	140.830	2,024.51	-27.31	25.21	2,180,548.30	565,248.56	36.9923146	-107.6099137
2,050.00	2.21	145.510	2,049.49	-28.07	25.78	2,180,547.54	565,249.13	36.9923126	-107.6099118
2,075.00	2.20	145.380	2,074.47	-28.86	26.32	2,180,546.75	565,249.67	36.9923104	-107.6099099
2,100.00	2.18	143.050	2,099.46	-29.63	26.88	2,180,545.98	565,250.23	36.9923083	-107.6099080
2,125.00	2.26	145.420	2,124.44	-30.42	27.45	2,180,545.19	565,250.80	36.9923061	-107.6099061
2,150.00	2.24	148.130	2,149.42	-31.24	27.98	2,180,544.37	565,251.34	36.9923039	-107.6099042
2,175.00	2.18	149.380	2,174.40	-32.07	28.48	2,180,543.55	565,251.84	36.9923016	-107.6099025
2,200.00	2.33	151.010	2,199.38	-32.92	28.97	2,180,542.70	565,252.33	36.9922992	-107.6099008
2,225.00	2.45	152.240	2,224.36	-33.84	29.47	2,180,541.78	565,252.83	36.9922967	-107.6098991
2,250.00	2.43	153.200	2,249.34	-34.78	29.95	2,180,540.84	565,253.32	36.9922941	-107.6098975
2,275.00	2.40	152.320	2,274.31	-35.72	30.44	2,180,539.90	565,253.80	36.9922916	-107.6098958
2,300.00	2.44	149.820	2,299.29	-36.64	30.95	2,180,538.98	565,254.32	36.9922890	-107.6098941
2,325.00	2.38	151.580	2,324.27	-37.56	31.46	2,180,538.06	565,254.83	36.9922865	-107.6098923
2,350.00	2.17	153.360	2,349.25	-38.44	31.92	2,180,537.19	565,255.30	36.9922841	-107.6098907
2,375.00	1.93	151.440	2,374.23	-39.23	32.33	2,180,536.39	565,255.71	36.9922819	-107.6098893
2,400.00	1.79	151.600	2,399.22	-39.94	32.72	2,180,535.68	565,256.10	36.9922799	-107.6098880
2,425.00	1.64	153.880	2,424.21	-40.61	33.06	2,180,535.02	565,256.44	36.9922781	-107.6098868
2,450.00	1.55	155.690	2,449.20	-41.24	33.36	2,180,534.39	565,256.74	36.9922764	-107.6098858
2,475.00	1.57	155.110	2,474.19	-41.86	33.64	2,180,533.77	565,257.03	36.9922747	-107.6098848
2,500.00	1.53	157.420	2,499.18	-42.48	33.92	2,180,533.15	565,257.30	36.9922730	-107.6098839
2,525.00	1.47	159.790	2,524.17	-43.09	34.16	2,180,532.54	565,257.54	36.9922713	-107.6098831
2,550.00	1.49	160.900	2,549.16	-43.69	34.37	2,180,531.94	565,257.76	36.9922697	-107.6098823
2,575.00	1.48	159.840	2,574.16	-44.30	34.59	2,180,531.33	565,257.98	36.9922680	-107.6098816
2,600.00	1.54	162.370	2,599.15	-44.93	34.80	2,180,530.70	565,258.19	36.9922663	-107.6098809
2,625.00	1.49	165.390	2,624.14	-45.56	34.99	2,180,530.07	565,258.38	36.9922645	-107.6098802
2,650.00	1.36	167.340	2,649.13	-46.17	35.13	2,180,529.47	565,258.53	36.9922629	-107.6098797
2,675.00	1.37	167.370	2,674.12	-46.75	35.27	2,180,528.89	565,258.66	36.9922613	-107.6098793
2,700.00	1.30	167.400	2,699.12	-47.31	35.39	2,180,528.32	565,258.79	36.9922597	-107.6098789
2,725.00	1.17	169.400	2,724.11	-47.84	35.50	2,180,527.79	565,258.90	36.9922583	-107.6098785
2,750.00	1.15	169.070	2,749.11	-48.34	35.60	2,180,527.29	565,258.99	36.9922569	-107.6098782
2,775.00	1.20	171.410	2,774.10	-48.84	35.68	2,180,526.79	565,259.08	36.9922555	-107.6098779
2,800.00	1.11	174.140	2,799.10	-49.34	35.75	2,180,526.29	565,259.15	36.9922541	-107.6098776
2,825.00	0.95	175.720	2,824.09	-49.79	35.79	2,180,525.84	565,259.19	36.9922529	-107.6098775
2,850.00	0.88	175.340	2,849.09	-50.19	35.82	2,180,525.44	565,259.22	36.9922518	-107.6098774
2,875.00	0.90	177.240	2,874.09	-50.58	35.84	2,180,525.06	565,259.24	36.9922507	-107.6098773
2,900.00	0.87	182.580	2,899.08	-50.96	35.84	2,180,524.67	565,259.25	36.9922497	-107.6098773
2,925.00	0.78	186.830	2,924.08	-51.32	35.81	2,180,524.31	565,259.22	36.9922487	-107.6098774
2,950.00	0.79	189.000	2,949.08	-51.66	35.77	2,180,523.97	565,259.17	36.9922478	-107.6098776
2,975.00	0.85	197.960	2,974.08	-52.01	35.68	2,180,523.63	565,259.09	36.9922468	-107.6098779
3,000.00	0.93	198.010	2,999.07	-52.38	35.56	2,180,523.26	565,258.97	36.9922458	-107.6098783
3,025.00	0.97	195.000	3,024.07	-52.77	35.45	2,180,522.86	565,258.85	36.9922447	-107.6098787
3,050.00	1.04	193.290	3,049.06	-53.20	35.34	2,180,522.43	565,258.75	36.9922435	-107.6098790
3,075.00	1.02	195.650	3,074.06	-53.63	35.23	2,180,522.00	565,258.64	36.9922423	-107.6098794
3,100.00	0.99	195.960	3,099.06	-54.06	35.11	2,180,521.58	565,258.52	36.9922412	-107.6098798



Scientific Drilling, Intl

Survey Report - Geographic



Company:	Hilcorp Energy Corp.	Local Co-ordinate Reference:	Well San Juan 32-7 #55
Project:	San Juan, NM NAD27	TVD Reference:	GL 6515' & RKB 13' @ 6528.00usft
Site:	San Juan	MD Reference:	GL 6515' & RKB 13' @ 6528.00usft
Well:	San Juan 32-7 #55	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Grand Junction District

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
3,125.00	1.07	192.580	3,124.05	-54.49	35.00	2,180,521.14	565,258.41	36.9922400	-107.6098802
3,150.00	1.19	195.460	3,149.05	-54.97	34.88	2,180,520.66	565,258.29	36.9922387	-107.6098806
3,175.00	1.22	196.550	3,174.04	-55.48	34.73	2,180,520.16	565,258.15	36.9922373	-107.6098811
3,200.00	1.18	193.350	3,199.04	-55.98	34.60	2,180,519.65	565,258.01	36.9922359	-107.6098816
3,225.00	1.21	194.420	3,224.03	-56.49	34.47	2,180,519.14	565,257.89	36.9922345	-107.6098820
3,250.00	1.20	198.490	3,249.03	-56.99	34.32	2,180,518.64	565,257.74	36.9922331	-107.6098825
3,275.00	1.16	198.000	3,274.02	-57.48	34.16	2,180,518.15	565,257.58	36.9922318	-107.6098831
3,300.00	1.24	194.290	3,299.02	-57.98	34.02	2,180,517.65	565,257.44	36.9922304	-107.6098836
3,325.00	1.34	192.500	3,324.01	-58.53	33.89	2,180,517.10	565,257.31	36.9922289	-107.6098840
3,350.00	1.25	194.580	3,349.00	-59.08	33.75	2,180,516.55	565,257.18	36.9922274	-107.6098845
3,375.00	1.25	192.250	3,374.00	-59.61	33.63	2,180,516.02	565,257.05	36.9922259	-107.6098849
3,400.00	1.29	190.280	3,398.99	-60.15	33.52	2,180,515.48	565,256.95	36.9922244	-107.6098853
3,425.00	1.20	191.420	3,423.98	-60.69	33.42	2,180,514.94	565,256.84	36.9922230	-107.6098856
3,450.00	1.18	190.010	3,448.98	-61.20	33.32	2,180,514.43	565,256.75	36.9922216	-107.6098859
3,475.00	1.27	190.760	3,473.97	-61.72	33.22	2,180,513.91	565,256.65	36.9922201	-107.6098863
3,500.00	1.30	196.070	3,498.97	-62.27	33.09	2,180,513.36	565,256.52	36.9922186	-107.6098867
3,525.00	1.25	199.730	3,523.96	-62.80	32.92	2,180,512.83	565,256.36	36.9922172	-107.6098873
3,550.00	1.22	204.210	3,548.96	-63.30	32.72	2,180,512.33	565,256.16	36.9922158	-107.6098880
3,575.00	1.19	211.840	3,573.95	-63.76	32.48	2,180,511.87	565,255.91	36.9922145	-107.6098888
3,600.00	1.07	212.860	3,598.94	-64.18	32.21	2,180,511.45	565,255.65	36.9922134	-107.6098897
3,625.00	1.09	211.660	3,623.94	-64.57	31.96	2,180,511.05	565,255.40	36.9922123	-107.6098906
3,650.00	1.05	214.970	3,648.94	-64.96	31.71	2,180,510.66	565,255.14	36.9922112	-107.6098915
3,675.00	0.90	217.010	3,673.93	-65.31	31.46	2,180,510.32	565,254.89	36.9922103	-107.6098923
3,700.00	0.89	221.100	3,698.93	-65.61	31.21	2,180,510.01	565,254.65	36.9922094	-107.6098932
3,725.00	0.95	223.490	3,723.93	-65.91	30.94	2,180,509.71	565,254.38	36.9922086	-107.6098941
3,750.00	1.01	221.330	3,748.92	-66.22	30.65	2,180,509.40	565,254.09	36.9922078	-107.6098951
3,775.00	1.06	227.900	3,773.92	-66.54	30.33	2,180,509.08	565,253.77	36.9922069	-107.6098962
3,800.00	1.15	238.470	3,798.91	-66.83	29.95	2,180,508.79	565,253.39	36.9922061	-107.6098975
3,825.00	1.35	241.900	3,823.91	-67.10	29.48	2,180,508.52	565,252.92	36.9922054	-107.6098991
3,850.00	1.62	243.140	3,848.90	-67.40	28.90	2,180,508.22	565,252.34	36.9922045	-107.6099011
3,875.00	1.81	247.130	3,873.89	-67.71	28.22	2,180,507.90	565,251.66	36.9922037	-107.6099034
3,900.00	2.16	247.000	3,898.87	-68.05	27.42	2,180,507.56	565,250.87	36.9922027	-107.6099061
3,925.00	2.46	245.660	3,923.85	-68.46	26.50	2,180,507.16	565,249.95	36.9922016	-107.6099093
3,950.00	2.58	247.160	3,948.83	-68.89	25.49	2,180,506.72	565,248.94	36.9922004	-107.6099127
3,975.00	2.74	249.520	3,973.80	-69.32	24.42	2,180,506.29	565,247.86	36.9921993	-107.6099164
4,000.00	3.01	252.340	3,998.77	-69.73	23.23	2,180,505.87	565,246.68	36.9921981	-107.6099205
4,025.00	3.22	252.710	4,023.73	-70.14	21.94	2,180,505.46	565,245.38	36.9921970	-107.6099249
4,050.00	3.51	253.130	4,048.69	-70.57	20.53	2,180,505.03	565,243.98	36.9921958	-107.6099297
4,075.00	3.80	255.990	4,073.64	-70.99	19.00	2,180,504.60	565,242.45	36.9921947	-107.6099350
4,100.00	4.07	257.120	4,098.58	-71.39	17.33	2,180,504.20	565,240.78	36.9921936	-107.6099407
4,125.00	4.42	257.390	4,123.51	-71.80	15.52	2,180,503.79	565,238.97	36.9921925	-107.6099469
4,150.00	4.76	257.520	4,148.43	-72.23	13.57	2,180,503.35	565,237.02	36.9921913	-107.6099536
4,175.00	5.05	257.190	4,173.34	-72.70	11.48	2,180,502.88	565,234.94	36.9921900	-107.6099607
4,200.00	5.33	257.650	4,198.24	-73.19	9.28	2,180,502.38	565,232.73	36.9921886	-107.6099683
4,225.00	5.41	258.110	4,223.13	-73.68	6.99	2,180,501.88	565,230.45	36.9921873	-107.6099761
4,250.00	5.59	259.340	4,248.01	-74.15	4.64	2,180,501.41	565,228.10	36.9921860	-107.6099842
4,275.00	5.77	260.560	4,272.89	-74.58	2.20	2,180,500.97	565,225.66	36.9921848	-107.6099925
4,300.00	5.95	260.790	4,297.76	-75.00	-0.32	2,180,500.55	565,223.14	36.9921837	-107.6100011
4,325.00	6.19	261.320	4,322.62	-75.41	-2.93	2,180,500.14	565,220.53	36.9921825	-107.6100101
4,350.00	6.30	261.530	4,347.47	-75.81	-5.62	2,180,499.72	565,217.85	36.9921814	-107.6100193
4,375.00	6.46	262.490	4,372.32	-76.20	-8.37	2,180,499.33	565,215.10	36.9921804	-107.6100287
4,400.00	6.72	263.840	4,397.15	-76.54	-11.22	2,180,498.98	565,212.25	36.9921794	-107.6100384
4,425.00	6.90	263.980	4,421.97	-76.85	-14.16	2,180,498.66	565,209.30	36.9921786	-107.6100485
4,450.00	7.04	264.060	4,446.79	-77.17	-17.18	2,180,498.34	565,206.28	36.9921777	-107.6100589
4,475.00	7.15	264.410	4,471.60	-77.48	-20.25	2,180,498.02	565,203.21	36.9921768	-107.6100694



Scientific Drilling, Intl
Survey Report - Geographic



Company:	Hilcorp Energy Corp.	Local Co-ordinate Reference:	Well San Juan 32-7 #55
Project:	San Juan, NM NAD27	TVD Reference:	GL 6515' & RKB 13' @ 6528.00usft
Site:	San Juan	MD Reference:	GL 6515' & RKB 13' @ 6528.00usft
Well:	San Juan 32-7 #55	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Grand Junction District

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
4,500.00	7.30	265.210	4,496.40	-77.76	-23.38	2,180,497.73	565,200.08	36.9921761	-107.6100801
4,525.00	7.49	266.820	4,521.19	-77.99	-26.59	2,180,497.50	565,196.87	36.9921755	-107.6100911
4,550.00	7.64	268.520	4,545.97	-78.12	-29.88	2,180,497.36	565,193.59	36.9921751	-107.6101024
4,575.00	7.83	269.650	4,570.75	-78.17	-33.25	2,180,497.30	565,190.22	36.9921749	-107.6101139
4,600.00	8.00	271.040	4,595.51	-78.15	-36.69	2,180,497.31	565,186.78	36.9921750	-107.6101257
4,625.00	8.10	271.700	4,620.26	-78.07	-40.19	2,180,497.39	565,183.28	36.9921752	-107.6101377
4,650.00	8.25	272.360	4,645.01	-77.94	-43.74	2,180,497.50	565,179.73	36.9921756	-107.6101498
4,675.00	8.37	272.580	4,669.75	-77.79	-47.35	2,180,497.65	565,176.12	36.9921760	-107.6101622
4,700.00	8.38	272.960	4,694.48	-77.61	-50.99	2,180,497.82	565,172.48	36.9921765	-107.6101746
4,725.00	8.33	273.850	4,719.21	-77.40	-54.61	2,180,498.03	565,168.85	36.9921771	-107.6101870
4,750.00	8.32	274.010	4,743.95	-77.15	-58.23	2,180,498.27	565,165.24	36.9921778	-107.6101994
4,775.00	8.21	274.200	4,768.69	-76.89	-61.81	2,180,498.51	565,161.65	36.9921785	-107.6102117
4,800.00	8.19	274.040	4,793.44	-76.63	-65.37	2,180,498.76	565,158.10	36.9921792	-107.6102239
4,825.00	8.21	274.090	4,818.18	-76.38	-68.92	2,180,499.01	565,154.54	36.9921799	-107.6102360
4,850.00	8.06	274.070	4,842.93	-76.13	-72.45	2,180,499.25	565,151.01	36.9921806	-107.6102481
4,875.00	7.93	274.370	4,867.68	-75.87	-75.92	2,180,499.50	565,147.54	36.9921813	-107.6102600
4,900.00	7.84	274.620	4,892.45	-75.61	-79.34	2,180,499.76	565,144.12	36.9921820	-107.6102717
4,925.00	7.69	275.140	4,917.22	-75.32	-82.70	2,180,500.04	565,140.76	36.9921828	-107.6102832
4,950.00	7.60	276.010	4,942.00	-75.00	-86.01	2,180,500.35	565,137.45	36.9921837	-107.6102946
4,975.00	7.70	278.220	4,966.77	-74.58	-89.32	2,180,500.76	565,134.14	36.9921848	-107.6103059
5,000.00	7.67	279.430	4,991.55	-74.07	-92.62	2,180,501.26	565,130.84	36.9921862	-107.6103172
5,025.00	7.65	279.660	5,016.33	-73.52	-95.91	2,180,501.81	565,127.55	36.9921877	-107.6103284
5,050.00	7.57	279.700	5,041.11	-72.96	-99.17	2,180,502.36	565,124.29	36.9921893	-107.6103396
5,075.00	7.51	279.990	5,065.89	-72.40	-102.40	2,180,502.91	565,121.05	36.9921908	-107.6103507
5,100.00	7.38	279.890	5,090.68	-71.84	-105.59	2,180,503.46	565,117.86	36.9921923	-107.6103616
5,125.00	7.25	280.260	5,115.48	-71.28	-108.73	2,180,504.01	565,114.73	36.9921939	-107.6103723
5,150.00	7.11	280.320	5,140.28	-70.73	-111.80	2,180,504.56	565,111.65	36.9921954	-107.6103829
5,175.00	7.03	280.510	5,165.09	-70.17	-114.83	2,180,505.11	565,108.62	36.9921969	-107.6103932
5,200.00	7.03	279.990	5,189.90	-69.62	-117.84	2,180,505.65	565,105.61	36.9921984	-107.6104035
5,225.00	6.94	280.300	5,214.72	-69.09	-120.83	2,180,506.18	565,102.62	36.9921999	-107.6104138
5,250.00	6.94	280.980	5,239.53	-68.53	-123.80	2,180,506.73	565,099.65	36.9922014	-107.6104239
5,275.00	6.76	280.960	5,264.36	-67.96	-126.73	2,180,507.29	565,096.72	36.9922030	-107.6104340
5,300.00	6.71	281.250	5,289.18	-67.40	-129.60	2,180,507.85	565,093.84	36.9922045	-107.6104438
5,325.00	6.72	281.390	5,314.01	-66.83	-132.47	2,180,508.41	565,090.97	36.9922061	-107.6104536
5,350.00	6.54	282.330	5,338.84	-66.23	-135.29	2,180,509.00	565,088.15	36.9922077	-107.6104633
5,375.00	6.44	282.110	5,363.68	-65.63	-138.06	2,180,509.59	565,085.38	36.9922094	-107.6104728
5,400.00	6.41	282.030	5,388.53	-65.05	-140.79	2,180,510.17	565,082.64	36.9922110	-107.6104821
5,425.00	6.33	282.660	5,413.37	-64.46	-143.50	2,180,510.76	565,079.93	36.9922126	-107.6104914
5,450.00	6.36	282.770	5,438.22	-63.85	-146.20	2,180,511.36	565,077.24	36.9922143	-107.6105006
5,475.00	6.36	282.980	5,463.07	-63.23	-148.90	2,180,511.97	565,074.54	36.9922160	-107.6105099
5,500.00	6.40	283.410	5,487.91	-62.60	-151.60	2,180,512.60	565,071.83	36.9922177	-107.6105191
5,525.00	6.46	283.680	5,512.75	-61.94	-154.32	2,180,513.25	565,069.11	36.9922195	-107.6105285
5,550.00	6.43	283.880	5,537.60	-61.27	-157.05	2,180,513.91	565,066.38	36.9922214	-107.6105378
5,575.00	6.39	284.600	5,562.44	-60.59	-159.75	2,180,514.59	565,063.67	36.9922232	-107.6105471
5,600.00	6.55	285.340	5,587.28	-59.86	-162.48	2,180,515.31	565,060.95	36.9922252	-107.6105564
5,625.00	6.59	285.660	5,612.12	-59.09	-165.23	2,180,516.07	565,058.19	36.9922273	-107.6105658
5,650.00	6.47	285.430	5,636.95	-58.33	-167.97	2,180,516.82	565,055.45	36.9922294	-107.6105752
5,675.00	6.37	285.340	5,661.80	-57.59	-170.67	2,180,517.56	565,052.75	36.9922315	-107.6105844
5,700.00	6.30	286.780	5,686.64	-56.83	-173.32	2,180,518.32	565,050.10	36.9922336	-107.6105935
5,725.00	6.24	287.730	5,711.49	-56.02	-175.92	2,180,519.12	565,047.49	36.9922358	-107.6106024
5,750.00	6.22	286.830	5,736.35	-55.21	-178.51	2,180,519.92	565,044.90	36.9922380	-107.6106113
5,775.00	6.17	287.250	5,761.20	-54.42	-181.09	2,180,520.70	565,042.32	36.9922402	-107.6106201
5,800.00	6.08	286.570	5,786.06	-53.65	-183.65	2,180,521.47	565,039.76	36.9922423	-107.6106289
5,825.00	5.97	286.290	5,810.92	-52.90	-186.16	2,180,522.21	565,037.25	36.9922444	-107.6106375
5,850.00	5.88	286.380	5,835.79	-52.18	-188.64	2,180,522.93	565,034.77	36.9922463	-107.6106460



Scientific Drilling, Intl
Survey Report - Geographic



Company:	Hilcorp Energy Corp.	Local Co-ordinate Reference:	Well San Juan 32-7 #55
Project:	San Juan, NM NAD27	TVD Reference:	GL 6515' & RKB 13' @ 6528.00usft
Site:	San Juan	MD Reference:	GL 6515' & RKB 13' @ 6528.00usft
Well:	San Juan 32-7 #55	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Grand Junction District

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
5,875.00	5.76	286.620	5,860.66	-51.46	-191.07	2,180,523.64	565,032.34	36.9922483	-107.6106543
5,900.00	5.72	286.750	5,885.53	-50.74	-193.46	2,180,524.36	565,029.94	36.9922503	-107.6106625
5,925.00	5.63	286.800	5,910.41	-50.03	-195.83	2,180,525.06	565,027.57	36.9922523	-107.6106706
5,950.00	5.52	286.730	5,935.29	-49.33	-198.16	2,180,525.76	565,025.24	36.9922542	-107.6106786
5,975.00	5.50	287.070	5,960.18	-48.63	-200.45	2,180,526.45	565,022.94	36.9922561	-107.6106864
6,000.00	5.44	286.590	5,985.06	-47.94	-202.74	2,180,527.14	565,020.66	36.9922580	-107.6106942
6,025.00	5.44	286.170	6,009.95	-47.27	-205.01	2,180,527.80	565,018.39	36.9922598	-107.6107020
6,050.00	5.44	285.770	6,034.84	-46.62	-207.29	2,180,528.45	565,016.11	36.9922616	-107.6107098
6,075.00	5.50	284.260	6,059.72	-46.00	-209.59	2,180,529.06	565,013.80	36.9922633	-107.6107177
6,100.00	5.17	286.160	6,084.61	-45.39	-211.83	2,180,529.66	565,011.56	36.9922650	-107.6107254
6,125.00	5.38	284.980	6,109.51	-44.78	-214.05	2,180,530.27	565,009.34	36.9922667	-107.6107330
6,150.00	5.00	283.810	6,134.41	-44.21	-216.24	2,180,530.83	565,007.15	36.9922682	-107.6107405
6,175.00	5.05	282.910	6,159.31	-43.71	-218.37	2,180,531.33	565,005.02	36.9922696	-107.6107478
6,200.00	5.06	285.090	6,184.21	-43.17	-220.50	2,180,531.86	565,002.88	36.9922711	-107.6107551
6,225.00	5.19	286.740	6,209.11	-42.56	-222.65	2,180,532.47	565,000.73	36.9922728	-107.6107624
6,250.00	4.95	288.020	6,234.02	-41.90	-224.76	2,180,533.12	564,998.62	36.9922746	-107.6107696
6,275.00	4.73	290.070	6,258.93	-41.21	-226.75	2,180,533.80	564,996.63	36.9922765	-107.6107765
6,300.00	4.77	290.600	6,283.84	-40.49	-228.69	2,180,534.52	564,994.68	36.9922784	-107.6107831
6,325.00	4.65	295.080	6,308.76	-39.70	-230.59	2,180,535.31	564,992.79	36.9922806	-107.6107896
6,350.00	4.67	296.240	6,333.67	-38.82	-232.42	2,180,536.18	564,990.96	36.9922830	-107.6107959
6,375.00	4.72	296.530	6,358.59	-37.91	-234.25	2,180,537.09	564,989.12	36.9922855	-107.6108021
6,400.00	4.81	299.570	6,383.50	-36.93	-236.08	2,180,538.06	564,987.29	36.9922882	-107.6108084
6,425.00	4.55	301.670	6,408.42	-35.90	-237.84	2,180,539.10	564,985.53	36.9922911	-107.6108144
6,450.00	4.19	303.470	6,433.35	-34.87	-239.44	2,180,540.12	564,983.92	36.9922939	-107.6108199
6,475.00	4.00	305.110	6,458.28	-33.87	-240.92	2,180,541.12	564,982.45	36.9922966	-107.6108250
6,500.00	3.97	308.150	6,483.22	-32.83	-242.31	2,180,542.15	564,981.05	36.9922995	-107.6108297
6,525.00	4.17	305.720	6,508.16	-31.77	-243.73	2,180,543.21	564,979.63	36.9923024	-107.6108346
6,550.00	3.90	309.830	6,533.10	-30.69	-245.12	2,180,544.29	564,978.24	36.9923054	-107.6108394
6,575.00	4.02	307.410	6,558.04	-29.61	-246.47	2,180,545.36	564,976.88	36.9923083	-107.6108440
6,600.00	3.93	309.980	6,582.98	-28.53	-247.82	2,180,546.44	564,975.53	36.9923113	-107.6108486
6,625.00	4.03	308.220	6,607.92	-27.44	-249.17	2,180,547.53	564,974.18	36.9923143	-107.6108532
6,650.00	4.10	311.880	6,632.85	-26.30	-250.52	2,180,548.67	564,972.82	36.9923174	-107.6108579
6,675.00	3.87	312.280	6,657.79	-25.13	-251.81	2,180,549.83	564,971.53	36.9923206	-107.6108623
6,700.00	3.75	314.800	6,682.74	-23.99	-253.02	2,180,550.97	564,970.32	36.9923238	-107.6108664
6,725.00	4.01	313.640	6,707.68	-22.81	-254.23	2,180,552.14	564,969.11	36.9923270	-107.6108706
6,750.00	3.76	312.660	6,732.62	-21.65	-255.47	2,180,553.30	564,967.87	36.9923302	-107.6108748
6,775.00	3.63	315.200	6,757.57	-20.53	-256.63	2,180,554.41	564,966.71	36.9923333	-107.6108788
6,800.00	3.77	313.880	6,782.52	-19.40	-257.78	2,180,555.54	564,965.55	36.9923364	-107.6108827
6,825.00	4.02	314.960	6,807.46	-18.21	-258.99	2,180,556.73	564,964.34	36.9923396	-107.6108869
6,850.00	3.83	318.530	6,832.40	-16.97	-260.16	2,180,557.97	564,963.16	36.9923431	-107.6108909
6,875.00	3.63	313.780	6,857.35	-15.79	-261.29	2,180,559.14	564,962.03	36.9923463	-107.6108947
6,900.00	3.62	318.130	6,882.30	-14.66	-262.39	2,180,560.27	564,960.93	36.9923494	-107.6108985
6,925.00	3.67	316.080	6,907.25	-13.50	-263.47	2,180,561.44	564,959.85	36.9923526	-107.6109022
6,950.00	3.47	315.190	6,932.20	-12.38	-264.56	2,180,562.55	564,958.76	36.9923557	-107.6109059
6,975.00	3.24	315.310	6,957.16	-11.34	-265.59	2,180,563.58	564,957.73	36.9923585	-107.6109094
7,000.00	3.46	318.600	6,982.12	-10.28	-266.58	2,180,564.65	564,956.73	36.9923614	-107.6109128
7,025.00	3.28	315.900	7,007.07	-9.20	-267.58	2,180,565.73	564,955.73	36.9923644	-107.6109163
7,050.00	3.00	312.510	7,032.04	-8.24	-268.56	2,180,566.68	564,954.75	36.9923670	-107.6109196
7,075.00	3.19	317.040	7,057.00	-7.29	-269.51	2,180,567.63	564,953.79	36.9923696	-107.6109229
7,100.00	3.13	312.080	7,081.96	-6.32	-270.49	2,180,568.59	564,952.81	36.9923723	-107.6109262
7,125.00	2.89	313.810	7,106.93	-5.43	-271.46	2,180,569.48	564,951.84	36.9923748	-107.6109295
7,150.00	3.01	315.590	7,131.89	-4.52	-272.37	2,180,570.39	564,950.93	36.9923772	-107.6109327
7,175.00	3.07	312.000	7,156.86	-3.61	-273.33	2,180,571.30	564,949.97	36.9923798	-107.6109359
7,200.00	2.83	310.330	7,181.83	-2.76	-274.29	2,180,572.15	564,949.00	36.9923821	-107.6109393
7,225.00	2.57	314.320	7,206.80	-1.97	-275.17	2,180,572.94	564,948.12	36.9923843	-107.6109422



Scientific Drilling, Intl
Survey Report - Geographic



Company: Hilcorp Energy Corp.
Project: San Juan, NM NAD27
Site: San Juan
Well: San Juan 32-7 #55
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well San Juan 32-7 #55
TVD Reference: GL 6515' & RKB 13' @ 6528.00usft
MD Reference: GL 6515' & RKB 13' @ 6528.00usft
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: Grand Junction District

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
7,250.00	2.87	314.680	7,231.77	-1.14	-276.01	2,180,573.77	564,947.28	36.9923865	-107.6109451
7,275.00	2.76	310.290	7,256.74	-0.31	-276.92	2,180,574.59	564,946.37	36.9923888	-107.6109482
7,300.00	2.54	313.910	7,281.71	0.47	-277.77	2,180,575.36	564,945.51	36.9923909	-107.6109512
7,325.00	2.89	314.980	7,306.68	1.30	-278.62	2,180,576.19	564,944.66	36.9923932	-107.6109541
7,350.00	2.79	308.730	7,331.65	2.12	-279.54	2,180,577.02	564,943.74	36.9923955	-107.6109572
7,375.00	2.88	314.260	7,356.62	2.94	-280.46	2,180,577.83	564,942.81	36.9923977	-107.6109604
7,400.00	3.14	307.930	7,381.59	3.80	-281.45	2,180,578.69	564,941.82	36.9924001	-107.6109638
7,425.00	3.05	310.740	7,406.55	4.65	-282.50	2,180,579.54	564,940.78	36.9924024	-107.6109674
7,450.00	2.88	309.050	7,431.52	5.48	-283.49	2,180,580.37	564,939.78	36.9924047	-107.6109707
7,475.00	2.59	305.640	7,456.49	6.21	-284.44	2,180,581.09	564,938.83	36.9924067	-107.6109740
7,500.00	2.62	308.650	7,481.46	6.90	-285.34	2,180,581.78	564,937.93	36.9924086	-107.6109771
7,525.00	2.43	307.530	7,506.44	7.58	-286.21	2,180,582.45	564,937.06	36.9924105	-107.6109801
7,550.00	2.54	305.020	7,531.42	8.22	-287.08	2,180,583.09	564,936.18	36.9924122	-107.6109830
7,575.00	2.64	306.800	7,556.39	8.88	-288.00	2,180,583.75	564,935.27	36.9924141	-107.6109862
7,600.00	2.87	309.530	7,581.36	9.62	-288.94	2,180,584.49	564,934.32	36.9924161	-107.6109894
7,625.00	2.96	306.960	7,606.33	10.41	-289.94	2,180,585.28	564,933.32	36.9924183	-107.6109928
7,650.00	2.74	306.810	7,631.30	11.15	-290.93	2,180,586.02	564,932.32	36.9924203	-107.6109962
7,675.00	2.90	306.500	7,656.27	11.89	-291.92	2,180,586.75	564,931.34	36.9924223	-107.6109996
7,700.00	3.26	308.460	7,681.23	12.71	-292.99	2,180,587.57	564,930.27	36.9924246	-107.6110033
7,725.00	2.90	300.250	7,706.20	13.47	-294.09	2,180,588.33	564,929.16	36.9924267	-107.6110070
7,750.00	2.64	302.250	7,731.17	14.09	-295.12	2,180,588.95	564,928.13	36.9924284	-107.6110106
7,775.00	2.63	296.520	7,756.14	14.66	-296.12	2,180,589.51	564,927.13	36.9924299	-107.6110140
7,800.00	2.77	297.460	7,781.11	15.19	-297.17	2,180,590.04	564,926.08	36.9924314	-107.6110176
7,809.11	2.83	299.590	7,790.21	15.40	-297.56	2,180,590.26	564,925.69	36.9924320	-107.6110189

Checked By: _____ Approved By: _____ Date: _____