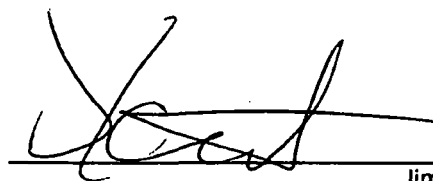


HALLIBURTON

3950 Interwood S. Pkwy • Houston, TX 77032
PHONE 281.986.4400 • FAX 281.986.4499

State of New Mexico, Lea County

I, Jim Short certify that I am employed by Halliburton Energy Services, Inc. (aka Sperry Drilling) and that on the dates of January 02, 2018 through January 30, 2019, I did conduct or supervise the taking of MWD directional surveys for the Chiles 28 -21 State Fed Com 2H well from a depth of 231' MD to a depth of 21871' MD. This data is true, correct, complete and within the limitations of the tools as set forth by Halliburton Energy Services, Inc. (aka Sperry Drilling). I am authorized and qualified to make this report and these surveys were conducted at the request of Devon Energy, for the Chiles 28 -21 State Fed Com 2H well in Lea County. I have reviewed this report and find that it confirms to the principles and procedures as set forth by Halliburton Energy Services, Inc. (aka Sperry Drilling.)



Jim Short
Field Engineer

HALLIBURTON

3950 Interwood South Parkway Houston, TX 77032
Phone 281-986-4400 Fax 281-986-4499

June 27, 2019

Devon Energy Corporation
via E-mail at: DBBUREgulatory@dvn.com

Final Survey for:

Customer: Devon Energy Corporation
Well Name: Chiles 28-21 State Com 2H
Parish: Lea County, NM
Rig Name: Nabors X20
Sperry Job #: 905293739
API #: 30-025-45351

Enclosed you will find the following survey information on the above referenced well:

- 1 *Survey Report(s)*
- 1 *Certified Letters for Out of State MMS*

We appreciate the opportunity to serve you and welcome any comments or suggestions that you may have regarding our service. You may contact your local sales representative, Taber Wood at (881) 162-2202.

Should you have any questions or require additional information regarding the enclosed information, please do not hesitate to contact me.

Once again, we thank you for your business.

Sincerely,



Diane Velasquez
Sperry Drilling Services
(281) 986-4437

Devon Energy Corporation

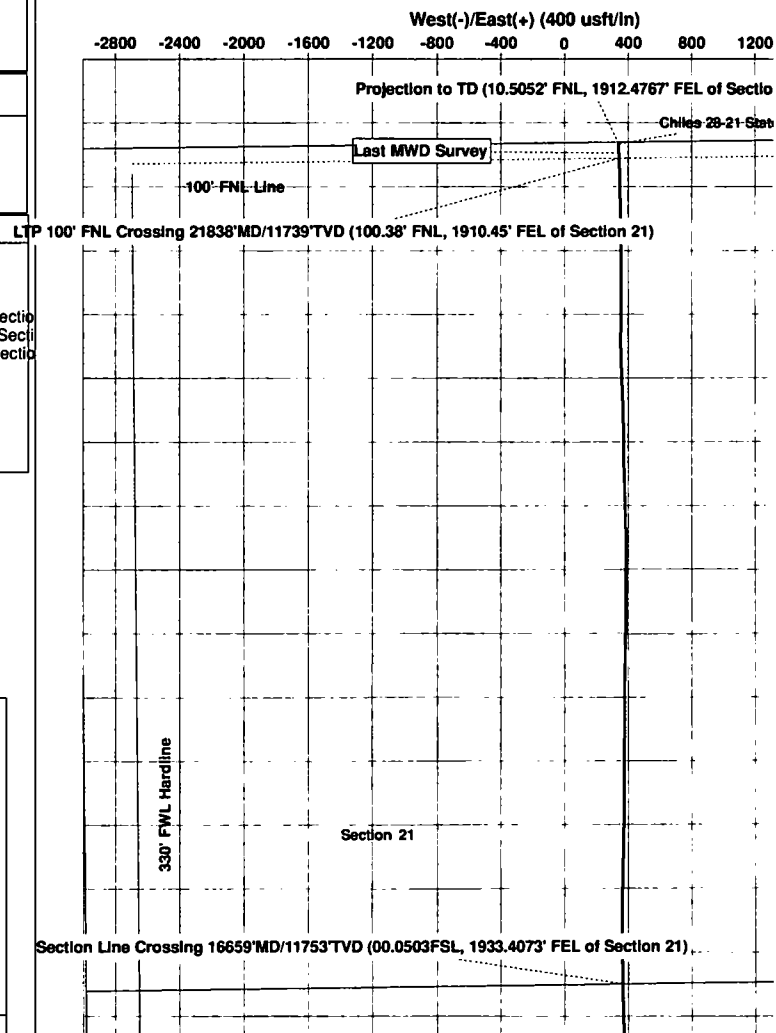
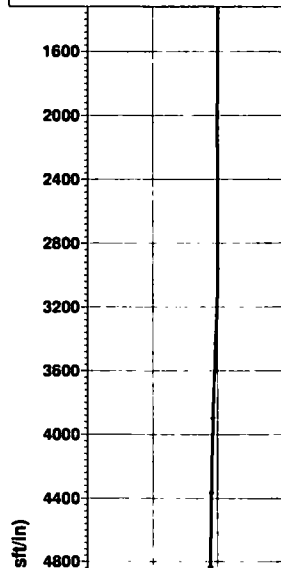
WELL DETAILS: Chiles 28-21 State Com 2H

RKB (Nabors X20) 32' + GL @ 3744.0usft
3712.0

Northing 526108.20 Easting 806467.80 Latitude 32° 26' 36.254 N Longitude 103° 28' 26.016 W

ANNOTATIONS

MD	Inc	Azi	TVD	+N/-S	+E/-W	VSect	Departure	Annotation
231.0	0.52	48.79	231.0	0.7	0.8	0.7	1.0	First MWD Survey
11105.0	1.88	170.47	11075.2	-253.1	610.7	-253.1	683.4	KOP11105' MD/ 11075' TVD(19.4335' FSL, 1731.4930' FEL of Section 28)
11381.0	35.06	357.65	11334.1	-172.0	609.9	-172.0	767.8	FTP 100' FSL Crossing 11381' MD/11334'TVD(100.56' FSL, 1731.56' FEL of Section 28)
16659.0	88.96	359.32	11753.7	5004.0	363.8	5004.0	5955.5	Section Line Crossing 16659'MD/11753'TVD (00.0503FSL, 1933.4073' FEL of Section 21)
21838.0	92.53	358.33	11739.5	10180.0	341.7	10180.0	11132.4	LTP 100' FNL Crossing 21838'MD/11739'TVD (100.38' FNL, 1910.45' FEL of Section 21)
21871.0	92.78	358.22	11738.0	10212.9	340.7	10212.9	11165.4	Last MWD Survey
21928.0	92.78	358.22	11735.2	10269.8	338.9	10269.8	11222.3	Projection to TD (10.5052' FNL, 1912.4767' FEL of Section 21)



Devon Energy Corporation

Lea County, NM (NAD 83)

Sec 28 - 21S - 34E

Chiles 28-21 State Com 2H

Wellbore #1

Design: Actual Drilled

Survey Report - Geographic

27 June, 2019

Halliburton
Survey Report - Geographic

Company:	Devon Energy Corporation	Local Co-ordinate Reference:	Well Chiles 28-21 State Com 2H
Project:	Lea County, NM (NAD 83)	TVD Reference:	RKB (Nabors X20) 32' + GL @ 3744.0usft
Site:	Sec 28 - 21S - 34E	MD Reference:	RKB (Nabors X20) 32' + GL @ 3744.0usft
Well:	Chiles 28-21 State Com 2H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Actual Drilled	Database:	SOUTH US

Project	Lea County, NM (NAD 83)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	Sec 28 - 21S - 34E				
Site Position:		Northing:	526,108.60 usft	Latitude:	32° 26' 36.256 N
From:	Map	Easting:	806,497.80 usft	Longitude:	103° 28' 25.666 W
Position Uncertainty:	5.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.46 °

Well	Chiles 28-21 State Com 2H				
Well Position	+N/-S	0.0 usft	Northing:	526,108.20 usft	Latitude: 32° 26' 36.254 N
	+E/-W	0.0 usft	Easting:	806,467.80 usft	Longitude: 103° 28' 26.016 W
Position Uncertainty		0.5 usft	Wellhead Elevation:	usft	Ground Level: 3,712.0 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2018	11/15/2018	6.82	60.23	47,975.11164148

Design	Actual Drilled				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.0	0.0	0.0	0.00	

Survey Program	Date 6/27/2019				
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
231.0	21,871.0	MWD (Wellbore #1)	2_MWD	A001Mb/ISC4: BGGM declination correction only	
21,928.0	21,928.0	Projection to TD (Wellbore #1)	2_Blind	A026Ua: Blind drilling - no survey data	

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
0.0	0.00	0.00	0.0	0.0	0.0	526,108.20	806,467.80	32° 26' 36.254 N	103° 28' 26.016 W
231.0	0.52	48.79	231.0	0.7	0.8	526,108.89	806,468.59	32° 26' 36.261 N	103° 28' 26.007 W
First MWD Survey									
325.0	0.69	45.35	325.0	1.4	1.5	526,109.57	806,469.31	32° 26' 36.268 N	103° 28' 25.998 W
418.0	0.70	54.47	418.0	2.1	2.4	526,110.29	806,470.17	32° 26' 36.275 N	103° 28' 25.988 W
508.0	0.51	67.00	508.0	2.6	3.2	526,110.77	806,470.99	32° 26' 36.279 N	103° 28' 25.979 W
597.0	0.44	71.44	597.0	2.8	3.9	526,111.03	806,471.68	32° 26' 36.282 N	103° 28' 25.971 W
687.0	0.25	46.37	687.0	3.1	4.3	526,111.28	806,472.15	32° 26' 36.284 N	103° 28' 25.965 W
778.0	0.56	89.63	778.0	3.2	4.9	526,111.42	806,472.73	32° 26' 36.286 N	103° 28' 25.958 W
867.0	0.52	63.51	867.0	3.4	5.7	526,111.60	806,473.53	32° 26' 36.287 N	103° 28' 25.949 W
959.0	0.48	97.99	959.0	3.5	6.5	526,111.74	806,474.29	32° 26' 36.289 N	103° 28' 25.940 W

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Survey Report - Geographic

Company:	Devon Energy Corporation	Local Co-ordinate Reference:	Well Chiles 28-21 State Com 2H
Project:	Lea County, NM (NAD 83)	TVD Reference:	RKB (Nabors X20) 32' + GL @ 3744.0usft
Site:	Sec 28 - 21S - 34E	MD Reference:	RKB (Nabors X20) 32' + GL @ 3744.0usft
Well:	Chiles 28-21 State Com 2H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Actual Drilled	Database:	SOUTH US

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
1,039.0	0.53	10.33	1,039.0	3.9	6.9	526,112.05	806,474.68	32° 26' 36.292 N	103° 28' 25.935 W
1,139.0	0.54	112.70	1,139.0	4.1	7.4	526,112.33	806,475.20	32° 26' 36.295 N	103° 28' 25.929 W
1,229.0	0.50	123.30	1,229.0	3.7	8.1	526,111.95	806,475.92	32° 26' 36.291 N	103° 28' 25.921 W
1,320.0	0.58	121.02	1,320.0	3.3	8.8	526,111.49	806,476.65	32° 26' 36.286 N	103° 28' 25.913 W
1,411.0	0.64	108.42	1,410.9	2.9	9.7	526,111.09	806,477.52	32° 26' 36.282 N	103° 28' 25.902 W
1,503.0	0.25	103.58	1,502.9	2.7	10.4	526,110.88	806,478.21	32° 26' 36.280 N	103° 28' 25.894 W
1,596.0	0.26	137.97	1,595.9	2.5	10.7	526,110.68	806,478.55	32° 26' 36.278 N	103° 28' 25.890 W
1,688.0	0.63	127.51	1,687.9	2.0	11.3	526,110.22	806,479.09	32° 26' 36.273 N	103° 28' 25.884 W
1,782.0	0.40	146.80	1,781.9	1.4	11.9	526,109.63	806,479.68	32° 26' 36.267 N	103° 28' 25.877 W
1,922.0	0.14	244.55	1,921.9	0.9	12.0	526,109.14	806,479.79	32° 26' 36.263 N	103° 28' 25.876 W
2,016.0	0.31	114.86	2,015.9	0.8	12.1	526,108.99	806,479.92	32° 26' 36.261 N	103° 28' 25.875 W
2,110.0	1.32	81.03	2,109.9	0.8	13.4	526,109.05	806,481.22	32° 26' 36.262 N	103° 28' 25.859 W
2,203.0	1.24	80.67	2,202.9	1.2	15.5	526,109.38	806,483.27	32° 26' 36.265 N	103° 28' 25.836 W
2,298.0	1.09	83.99	2,297.9	1.4	17.4	526,109.64	806,485.18	32° 26' 36.267 N	103° 28' 25.813 W
2,392.0	1.22	84.01	2,391.9	1.6	19.3	526,109.84	806,487.06	32° 26' 36.269 N	103° 28' 25.791 W
2,486.0	1.63	81.26	2,485.8	1.9	21.6	526,110.15	806,489.38	32° 26' 36.272 N	103° 28' 25.764 W
2,581.0	1.31	88.77	2,580.8	2.2	24.0	526,110.38	806,491.80	32° 26' 36.274 N	103° 28' 25.736 W
2,675.0	1.29	89.06	2,674.8	2.2	26.1	526,110.42	806,493.93	32° 26' 36.274 N	103° 28' 25.711 W
2,770.0	1.23	82.96	2,769.8	2.4	28.2	526,110.56	806,496.02	32° 26' 36.275 N	103° 28' 25.687 W
2,864.0	2.60	95.86	2,863.7	2.3	31.3	526,110.46	806,499.14	32° 26' 36.274 N	103° 28' 25.650 W
2,958.0	3.64	102.83	2,957.6	1.4	36.4	526,109.58	806,504.17	32° 26' 36.265 N	103° 28' 25.592 W
3,052.0	3.92	102.08	3,051.4	0.0	42.4	526,108.25	806,510.22	32° 26' 36.251 N	103° 28' 25.521 W
3,146.0	5.33	102.55	3,145.0	-1.6	49.8	526,106.63	806,517.62	32° 26' 36.235 N	103° 28' 25.435 W
3,240.0	5.77	107.45	3,238.6	-3.9	58.6	526,104.26	806,526.39	32° 26' 36.211 N	103° 28' 25.333 W
3,335.0	5.35	116.75	3,333.2	-7.4	67.1	526,100.84	806,534.90	32° 26' 36.176 N	103° 28' 25.234 W
3,428.0	4.59	121.16	3,425.8	-11.2	74.2	526,096.96	806,541.96	32° 26' 36.137 N	103° 28' 25.152 W
3,522.0	4.26	121.41	3,519.5	-15.0	80.4	526,093.19	806,548.16	32° 26' 36.099 N	103° 28' 25.080 W
3,616.0	4.74	119.45	3,613.2	-18.7	86.7	526,089.47	806,554.52	32° 26' 36.062 N	103° 28' 25.006 W
3,710.0	4.64	117.23	3,706.9	-22.4	93.5	526,085.82	806,561.28	32° 26' 36.025 N	103° 28' 24.927 W
3,804.0	3.67	115.97	3,800.7	-25.4	99.6	526,082.76	806,567.37	32° 26' 35.995 N	103° 28' 24.857 W
3,899.0	3.57	117.60	3,895.5	-28.1	104.9	526,080.06	806,572.72	32° 26' 35.967 N	103° 28' 24.794 W
3,993.0	3.25	112.95	3,989.3	-30.5	110.0	526,077.66	806,577.77	32° 26' 35.943 N	103° 28' 24.736 W
4,087.0	3.46	112.65	4,083.2	-32.7	115.0	526,075.53	806,582.84	32° 26' 35.922 N	103° 28' 24.677 W
4,181.0	3.69	111.07	4,177.0	-34.9	120.5	526,073.35	806,588.28	32° 26' 35.900 N	103° 28' 24.614 W
4,275.0	3.01	109.15	4,270.8	-36.7	125.6	526,071.45	806,593.44	32° 26' 35.881 N	103° 28' 24.554 W
4,368.0	2.42	105.31	4,363.7	-38.1	129.8	526,070.13	806,597.64	32° 26' 35.867 N	103° 28' 24.505 W
4,463.0	2.08	107.86	4,458.6	-39.1	133.4	526,069.08	806,601.21	32° 26' 35.857 N	103° 28' 24.463 W
4,557.0	2.52	108.26	4,552.6	-40.3	137.0	526,067.91	806,604.80	32° 26' 35.845 N	103° 28' 24.421 W
4,651.0	2.88	109.16	4,646.5	-41.7	141.2	526,066.48	806,608.99	32° 26' 35.830 N	103° 28' 24.373 W
4,746.0	2.83	107.95	4,741.3	-43.2	145.7	526,064.98	806,613.48	32° 26' 35.815 N	103° 28' 24.320 W
4,840.0	2.60	108.81	4,835.2	-44.6	149.9	526,063.57	806,617.70	32° 26' 35.801 N	103° 28' 24.271 W
4,934.0	2.35	108.85	4,929.1	-45.9	153.7	526,062.26	806,621.54	32° 26' 35.788 N	103° 28' 24.226 W
5,029.0	2.33	109.18	5,024.1	-47.2	157.4	526,061.00	806,625.21	32° 26' 35.775 N	103° 28' 24.184 W
5,123.0	1.94	107.02	5,118.0	-48.3	160.7	526,059.91	806,628.54	32° 26' 35.764 N	103° 28' 24.145 W
5,217.0	1.86	106.57	5,212.0	-49.2	163.7	526,059.01	806,631.52	32° 26' 35.754 N	103° 28' 24.110 W
5,311.0	2.14	108.41	5,305.9	-50.2	166.9	526,058.02	806,634.65	32° 26' 35.744 N	103° 28' 24.074 W
5,406.0	2.10	111.41	5,400.8	-51.4	170.2	526,056.82	806,637.95	32° 26' 35.732 N	103° 28' 24.036 W
5,500.0	1.76	113.11	5,494.8	-52.6	173.1	526,055.63	806,640.88	32° 26' 35.720 N	103° 28' 24.001 W
5,594.0	1.79	112.31	5,588.7	-53.7	175.8	526,054.50	806,643.57	32° 26' 35.709 N	103° 28' 23.970 W
5,688.0	1.40	109.47	5,682.7	-54.6	178.2	526,053.56	806,646.01	32° 26' 35.699 N	103° 28' 23.942 W
5,782.0	1.46	116.65	5,776.7	-55.6	180.4	526,052.64	806,648.16	32° 26' 35.690 N	103° 28' 23.917 W
5,800.0	1.35	113.55	5,794.7	-55.7	180.8	526,052.46	806,648.56	32° 26' 35.688 N	103° 28' 23.912 W
5,836.0	1.26	112.72	5,830.7	-56.1	181.5	526,052.13	806,649.32	32° 26' 35.685 N	103° 28' 23.903 W
5,929.0	2.52	120.74	5,923.6	-57.5	184.2	526,050.69	806,652.02	32° 26' 35.671 N	103° 28' 23.872 W
6,023.0	3.14	120.74	6,017.5	-59.9	188.2	526,048.32	806,656.01	32° 26' 35.647 N	103° 28' 23.826 W

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Survey Report - Geographic

Company:	Devon Energy Corporation	Local Co-ordinate Reference:	Well Chiles 28-21 State Com 2H
Project:	Lea County, NM (NAD 83)	TVD Reference:	RKB (Nabors X20) 32' + GL @ 3744.0usft
Site:	Sec 28 - 21S - 34E	MD Reference:	RKB (Nabors X20) 32' + GL @ 3744.0usft
Well:	Chiles 28-21 State Com 2H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Actual Drilled	Database:	SOUTH US

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
6,118.0	4.50	106.51	6,112.3	-62.3	194.0	526,045.93	806,661.81	32° 26' 35.623 N	103° 28' 23.758 W
6,213.0	5.76	102.00	6,206.9	-64.3	202.3	526,043.88	806,670.05	32° 26' 35.602 N	103° 28' 23.662 W
6,307.0	5.80	102.41	6,300.4	-66.3	211.5	526,041.88	806,679.30	32° 26' 35.581 N	103° 28' 23.554 W
6,402.0	5.86	102.48	6,394.9	-68.4	220.9	526,039.80	806,688.73	32° 26' 35.560 N	103° 28' 23.445 W
6,495.0	5.71	99.83	6,487.4	-70.2	230.1	526,037.98	806,697.92	32° 26' 35.541 N	103° 28' 23.338 W
6,587.0	5.83	100.40	6,579.0	-71.8	239.2	526,036.36	806,707.03	32° 26' 35.524 N	103° 28' 23.231 W
6,681.0	5.82	101.15	6,672.5	-73.6	248.6	526,034.58	806,716.40	32° 26' 35.506 N	103° 28' 23.122 W
6,775.0	5.75	103.50	6,766.0	-75.6	257.9	526,032.55	806,725.65	32° 26' 35.485 N	103° 28' 23.014 W
6,870.0	5.96	101.04	6,860.5	-77.7	267.3	526,030.50	806,735.12	32° 26' 35.464 N	103° 28' 22.904 W
6,963.0	5.82	101.39	6,953.0	-79.6	276.7	526,028.64	806,744.48	32° 26' 35.445 N	103° 28' 22.795 W
7,057.0	5.60	102.70	7,046.6	-81.5	285.8	526,026.69	806,753.63	32° 26' 35.425 N	103° 28' 22.689 W
7,151.0	5.54	104.44	7,140.1	-83.6	294.7	526,024.55	806,762.50	32° 26' 35.403 N	103° 28' 22.585 W
7,246.0	6.05	103.17	7,234.6	-85.9	304.0	526,022.27	806,771.81	32° 26' 35.380 N	103° 28' 22.477 W
7,340.0	5.84	103.88	7,328.1	-88.2	313.5	526,019.99	806,781.28	32° 26' 35.357 N	103° 28' 22.367 W
7,434.0	6.76	102.63	7,421.6	-90.6	323.5	526,017.64	806,791.32	32° 26' 35.332 N	103° 28' 22.250 W
7,528.0	6.94	101.18	7,514.9	-92.9	334.5	526,015.33	806,802.29	32° 26' 35.309 N	103° 28' 22.122 W
7,622.0	6.08	97.87	7,608.3	-94.7	345.0	526,013.54	806,812.79	32° 26' 35.290 N	103° 28' 21.999 W
7,716.0	6.18	105.58	7,701.7	-96.7	354.8	526,011.50	806,822.60	32° 26' 35.269 N	103° 28' 21.885 W
7,811.0	6.37	119.33	7,796.2	-100.7	364.3	526,007.55	806,832.12	32° 26' 35.229 N	103° 28' 21.775 W
7,904.0	7.20	123.29	7,888.5	-106.4	373.7	526,001.82	806,841.49	32° 26' 35.172 N	103° 28' 21.666 W
7,998.0	6.90	122.25	7,981.8	-112.6	383.4	525,995.58	806,851.19	32° 26' 35.109 N	103° 28' 21.553 W
8,093.0	7.15	122.75	8,076.1	-118.9	393.2	525,989.33	806,860.99	32° 26' 35.047 N	103° 28' 21.439 W
8,188.0	6.93	121.82	8,170.4	-125.1	403.0	525,983.11	806,870.83	32° 26' 34.984 N	103° 28' 21.325 W
8,281.0	6.79	123.26	8,262.7	-131.1	412.4	525,977.14	806,880.19	32° 26' 34.925 N	103° 28' 21.216 W
8,375.0	6.76	120.09	8,356.1	-136.9	421.8	525,971.32	806,889.63	32° 26' 34.866 N	103° 28' 21.107 W
8,470.0	7.06	119.66	8,450.4	-142.6	431.7	525,965.63	806,899.54	32° 26' 34.809 N	103° 28' 20.992 W
8,564.0	6.97	119.07	8,543.7	-148.2	441.7	525,960.00	806,909.54	32° 26' 34.753 N	103° 28' 20.876 W
8,661.0	6.98	119.98	8,640.0	-154.0	452.0	525,954.19	806,919.79	32° 26' 34.694 N	103° 28' 20.757 W
8,755.0	6.99	116.79	8,733.3	-159.4	462.0	525,948.76	806,929.84	32° 26' 34.640 N	103° 28' 20.640 W
8,849.0	7.01	114.79	8,826.6	-164.4	472.4	525,943.78	806,940.16	32° 26' 34.590 N	103° 28' 20.520 W
8,940.0	6.81	113.81	8,916.9	-168.9	482.3	525,939.27	806,950.13	32° 26' 34.544 N	103° 28' 20.404 W
9,034.0	5.51	110.01	9,010.4	-172.7	491.7	525,935.47	806,959.47	32° 26' 34.506 N	103° 28' 20.295 W
9,129.0	5.28	109.22	9,104.9	-175.7	500.1	525,932.48	806,967.89	32° 26' 34.476 N	103° 28' 20.197 W
9,222.0	5.65	108.13	9,197.5	-178.6	508.5	525,929.64	806,976.28	32° 26' 34.447 N	103° 28' 20.100 W
9,315.0	5.38	107.67	9,290.1	-181.3	517.0	525,926.89	806,984.78	32° 26' 34.419 N	103° 28' 20.001 W
9,409.0	5.23	108.10	9,383.7	-184.0	525.3	525,924.23	806,993.05	32° 26' 34.392 N	103° 28' 19.904 W
9,503.0	5.56	112.85	9,477.3	-187.1	533.5	525,921.13	807,001.32	32° 26' 34.361 N	103° 28' 19.808 W
9,597.0	3.98	119.11	9,570.9	-190.4	540.6	525,917.77	807,008.37	32° 26' 34.327 N	103° 28' 19.726 W
9,692.0	3.90	122.02	9,665.7	-193.7	546.2	525,914.45	807,013.99	32° 26' 34.294 N	103° 28' 19.661 W
9,786.0	4.25	122.16	9,759.5	-197.3	551.9	525,910.90	807,019.65	32° 26' 34.258 N	103° 28' 19.595 W
9,880.0	4.74	122.79	9,853.2	-201.3	558.1	525,906.95	807,025.86	32° 26' 34.218 N	103° 28' 19.523 W
9,974.0	5.04	126.67	9,946.8	-205.8	564.6	525,902.38	807,032.44	32° 26' 34.173 N	103° 28' 19.447 W
10,068.0	5.72	123.16	10,040.4	-210.9	571.9	525,897.35	807,039.67	32° 26' 34.122 N	103° 28' 19.363 W
10,163.0	5.91	126.24	10,134.9	-216.3	579.8	525,891.87	807,047.58	32° 26' 34.068 N	103° 28' 19.271 W
10,257.0	5.44	127.23	10,228.5	-221.9	587.2	525,886.31	807,055.03	32° 26' 34.012 N	103° 28' 19.185 W
10,351.0	5.07	126.64	10,322.1	-227.1	594.1	525,881.14	807,061.91	32° 26' 33.960 N	103° 28' 19.105 W
10,446.0	3.90	131.87	10,416.8	-231.7	599.9	525,876.48	807,067.69	32° 26' 33.914 N	103° 28' 19.038 W
10,541.0	2.89	135.03	10,511.6	-235.6	604.0	525,872.63	807,071.79	32° 26' 33.875 N	103° 28' 18.991 W
10,635.0	2.10	130.38	10,605.5	-238.4	607.0	525,869.83	807,074.77	32° 26' 33.847 N	103° 28' 18.956 W
10,729.0	1.11	126.84	10,699.5	-240.0	609.0	525,868.17	807,076.81	32° 26' 33.831 N	103° 28' 18.932 W
10,824.0	1.35	156.05	10,794.5	-241.6	610.2	525,866.60	807,078.00	32° 26' 33.815 N	103° 28' 18.919 W
10,918.0	2.10	203.50	10,888.4	-244.2	610.0	525,864.01	807,077.77	32° 26' 33.789 N	103° 28' 18.922 W
11,012.0	3.64	168.97	10,982.3	-248.7	609.9	525,859.50	807,077.65	32° 26' 33.745 N	103° 28' 18.923 W
11,105.0	1.88	170.47	11,075.2	-253.1	610.7	525,855.09	807,078.47	32° 26' 33.701 N	103° 28' 18.914 W

KOP11105' MDI 11075' TVD(19.4335' FSL, 1731.4930' FEL of Section 28)

Halliburton

Survey Report - Geographic

Company:	Devon Energy Corporation	Local Co-ordinate Reference:	Well Chiles 28-21 State Com 2H
Project:	Lea County, NM (NAD 83)	TVD Reference:	RKB (Nabors X20) 32' + GL @ 3744.0usft
Site:	Sec 28 - 21S - 34E	MD Reference:	RKB (Nabors X20) 32' + GL @ 3744.0usft
Well:	Chiles 28-21 State Com 2H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Actual Drilled	Database:	SOUTH US

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude	
11,198.0	11.63	355.41	11,167.7	-245.2	610.2	525,862.97	807,077.97	32° 26' 33.779 N	103° 28' 18.919 W	
11,244.0	18.90	359.32	11,212.0	-233.1	609.7	525,875.06	807,077.51	32° 26' 33.899 N	103° 28' 18.924 W	
11,291.0	24.25	1.82	11,255.7	-215.9	609.9	525,892.33	807,077.72	32° 26' 34.070 N	103° 28' 18.919 W	
11,338.0	29.08	0.53	11,297.7	-194.8	610.3	525,913.41	807,078.14	32° 26' 34.278 N	103° 28' 18.913 W	
11,381.0	35.06	357.65	11,334.1	-172.0	609.9	525,936.22	807,077.73	32° 26' 34.504 N	103° 28' 18.915 W	
FTP 100' FSL Crossing 11381' MD/11334'TVD(100.56' FSL, 1731.56' FEL of Section 28)										
11,386.0	35.76	357.37	11,338.2	-169.1	609.8	525,939.12	807,077.60	32° 26' 34.533 N	103° 28' 18.917 W	
11,433.0	40.88	357.76	11,375.0	-140.0	608.6	525,968.22	807,076.37	32° 26' 34.821 N	103° 28' 18.928 W	
11,480.0	45.91	359.43	11,409.2	-107.7	607.8	526,000.49	807,075.60	32° 26' 35.140 N	103° 28' 18.934 W	
11,528.0	50.84	3.42	11,441.1	-71.9	608.7	526,036.33	807,076.54	32° 26' 35.495 N	103° 28' 18.920 W	
11,575.0	52.90	4.60	11,470.1	-35.0	611.3	526,073.21	807,079.13	32° 26' 35.859 N	103° 28' 18.886 W	
11,622.0	59.45	4.85	11,496.2	3.9	614.5	526,112.10	807,082.35	32° 26' 36.244 N	103° 28' 18.845 W	
11,669.0	64.49	5.11	11,518.3	45.2	618.2	526,153.42	807,085.95	32° 26' 36.652 N	103° 28' 18.799 W	
11,716.0	66.81	5.45	11,537.7	87.9	622.1	526,196.05	807,089.89	32° 26' 37.074 N	103° 28' 18.749 W	
11,763.0	68.13	6.09	11,555.7	131.0	626.5	526,239.24	807,094.26	32° 26' 37.501 N	103° 28' 18.694 W	
11,810.0	72.80	6.34	11,571.4	175.1	631.3	526,283.27	807,099.05	32° 26' 37.936 N	103° 28' 18.634 W	
11,857.0	77.78	5.60	11,583.3	220.3	636.0	526,328.47	807,103.77	32° 26' 38.383 N	103° 28' 18.574 W	
11,910.0	82.60	3.00	11,592.4	272.3	639.9	526,380.52	807,107.68	32° 26' 38.898 N	103° 28' 18.524 W	
11,990.0	84.93	0.20	11,601.1	351.8	642.1	526,460.01	807,109.90	32° 26' 39.684 N	103° 28' 18.491 W	
12,094.0	85.28	359.88	11,609.9	455.4	642.2	526,563.63	807,109.97	32° 26' 40.709 N	103° 28' 18.480 W	
12,183.0	85.96	359.74	11,616.7	544.2	641.9	526,652.37	807,109.67	32° 26' 41.587 N	103° 28' 18.475 W	
12,273.0	85.09	356.82	11,623.8	633.8	639.2	526,742.04	807,106.98	32° 26' 42.475 N	103° 28' 18.498 W	
12,364.0	86.02	355.63	11,630.8	724.4	633.2	526,832.57	807,101.01	32° 26' 43.371 N	103° 28' 18.559 W	
12,455.0	86.24	355.90	11,637.0	814.9	626.5	526,923.11	807,094.30	32° 26' 44.268 N	103° 28' 18.629 W	
12,547.0	85.06	355.01	11,643.9	906.4	619.2	527,014.56	807,087.04	32° 26' 45.173 N	103° 28' 18.705 W	
12,642.0	85.44	353.59	11,651.8	1,000.6	609.8	527,108.76	807,077.63	32° 26' 46.106 N	103° 28' 18.806 W	
12,736.0	85.87	353.39	11,658.9	1,093.7	599.2	527,201.88	807,067.01	32° 26' 47.028 N	103° 28' 18.921 W	
12,830.0	86.17	353.12	11,665.4	1,186.8	588.2	527,295.01	807,055.99	32° 26' 47.950 N	103° 28' 19.041 W	
12,924.0	85.92	355.41	11,671.9	1,280.1	578.8	527,388.31	807,046.62	32° 26' 48.874 N	103° 28' 19.142 W	
13,018.0	85.40	357.14	11,679.0	1,373.6	572.7	527,481.84	807,040.53	32° 26' 49.800 N	103° 28' 19.204 W	
13,112.0	86.25	356.60	11,685.9	1,467.2	567.6	527,575.45	807,035.41	32° 26' 50.727 N	103° 28' 19.255 W	
13,207.0	85.29	358.98	11,692.9	1,561.9	564.0	527,670.11	807,031.76	32° 26' 51.664 N	103° 28' 19.289 W	
13,301.0	84.97	358.82	11,700.9	1,655.5	562.2	527,763.75	807,029.96	32° 26' 52.590 N	103° 28' 19.301 W	
13,395.0	85.15	358.42	11,709.0	1,749.2	559.9	527,857.38	807,027.70	32° 26' 53.517 N	103° 28' 19.318 W	
13,489.0	87.05	358.41	11,715.4	1,842.9	557.3	527,951.12	807,025.11	32° 26' 54.445 N	103° 28' 19.340 W	
13,583.0	88.40	358.29	11,719.1	1,936.8	554.6	528,045.00	807,022.41	32° 26' 55.374 N	103° 28' 19.362 W	
13,678.0	86.14	356.90	11,723.6	2,031.6	550.6	528,139.80	807,018.43	32° 26' 56.312 N	103° 28' 19.400 W	
13,773.0	86.58	357.15	11,729.7	2,126.3	545.7	528,234.48	807,013.51	32° 26' 57.249 N	103° 28' 19.448 W	
13,866.0	87.10	356.81	11,734.8	2,219.0	540.8	528,327.21	807,008.61	32° 26' 58.167 N	103° 28' 19.497 W	
13,961.0	85.66	356.82	11,740.8	2,313.7	535.5	528,421.87	807,003.35	32° 26' 59.104 N	103° 28' 19.549 W	
14,055.0	85.90	357.06	11,747.7	2,407.3	530.5	528,515.48	806,998.34	32° 27' 0.031 N	103° 28' 19.599 W	
14,150.0	86.73	356.62	11,753.8	2,501.9	525.3	528,610.14	806,993.12	32° 27' 0.968 N	103° 28' 19.651 W	
14,244.0	86.64	356.61	11,759.2	2,595.6	519.8	528,703.82	806,987.57	32° 27' 1.895 N	103° 28' 19.707 W	
14,338.0	87.78	356.54	11,763.8	2,689.3	514.2	528,797.54	806,981.97	32° 27' 2.823 N	103° 28' 19.763 W	
14,432.0	89.94	358.46	11,765.7	2,783.2	510.1	528,891.42	806,977.87	32° 27' 3.752 N	103° 28' 19.802 W	
14,525.0	90.74	357.43	11,765.1	2,876.2	506.7	528,984.36	806,974.53	32° 27' 4.672 N	103° 28' 19.833 W	
14,619.0	91.94	357.04	11,762.9	2,970.0	502.2	529,078.22	806,970.00	32° 27' 5.601 N	103° 28' 19.877 W	
14,714.0	92.44	356.42	11,759.3	3,064.8	496.8	529,173.00	806,964.58	32° 27' 6.540 N	103° 28' 19.931 W	
14,808.0	90.65	355.83	11,756.8	3,158.5	490.4	529,266.74	806,958.23	32° 27' 7.468 N	103° 28' 19.996 W	
14,902.0	90.80	355.72	11,755.6	3,252.3	483.5	529,360.48	806,951.31	32° 27' 8.396 N	103° 28' 20.068 W	
14,997.0	91.72	355.37	11,753.5	3,347.0	476.1	529,455.17	806,943.93	32° 27' 9.333 N	103° 28' 20.145 W	
15,090.0	88.92	354.70	11,753.0	3,439.6	468.1	529,547.81	806,935.88	32° 27' 10.251 N	103° 28' 20.231 W	
15,184.0	89.72	354.46	11,754.1	3,533.2	459.2	529,641.38	806,927.01	32° 27' 11.177 N	103° 28' 20.325 W	
15,277.0	89.14	356.04	11,755.0	3,625.9	451.5	529,734.06	806,919.31	32° 27' 12.095 N	103° 28' 20.407 W	
15,371.0	89.14	355.67	11,756.4	3,719.6	444.7	529,827.80	806,912.51	32° 27' 13.023 N	103° 28' 20.477 W	

Halliburton

Survey Report - Geographic

Company: Devon Energy Corporation	Local Co-ordinate Reference: Well Chiles 28-21 State Com 2H
Project: Lea County, NM (NAD 83)	TVD Reference: RKB (Nabors X20) 32' + GL @ 3744.0usft
Site: Sec 28 - 21S - 34E	MD Reference: RKB (Nabors X20) 32' + GL @ 3744.0usft
Well: Chiles 28-21 State Com 2H	North Reference: Grid
Wellbore: Wellbore #1	Survey Calculation Method: Minimum Curvature
Design: Actual Drilled	Database: SOUTH US

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
15,466.0	88.55	355.23	11,758.3	3,814.3	437.2	529,922.48	806,904.98	32° 27' 13.960 N	103° 28' 20.556 W
15,560.0	90.59	354.83	11,759.0	3,907.9	429.0	530,016.12	806,896.83	32° 27' 14.887 N	103° 28' 20.642 W
15,654.0	90.55	353.92	11,758.1	4,001.5	419.8	530,109.66	806,887.62	32° 27' 15.814 N	103° 28' 20.741 W
15,748.0	92.53	353.69	11,755.6	4,094.9	409.7	530,203.07	806,877.48	32° 27' 16.739 N	103° 28' 20.850 W
15,843.0	91.23	354.71	11,752.5	4,189.3	400.1	530,297.53	806,867.89	32° 27' 17.674 N	103° 28' 20.954 W
15,937.0	92.07	354.44	11,749.8	4,282.9	391.2	530,391.07	806,859.00	32° 27' 18.600 N	103° 28' 21.048 W
16,031.0	92.35	356.27	11,746.1	4,376.5	383.6	530,484.69	806,851.40	32° 27' 19.527 N	103° 28' 21.128 W
16,125.0	89.51	357.34	11,744.6	4,470.3	378.4	530,578.52	806,846.16	32° 27' 20.456 N	103° 28' 21.181 W
16,218.0	88.21	358.61	11,746.5	4,563.2	375.1	530,671.44	806,842.87	32° 27' 21.376 N	103° 28' 21.210 W
16,312.0	88.53	358.47	11,749.1	4,657.2	372.7	530,765.37	806,840.48	32° 27' 22.305 N	103° 28' 21.229 W
16,407.0	89.07	358.32	11,751.1	4,752.1	370.0	530,860.31	806,837.82	32° 27' 23.245 N	103° 28' 21.251 W
16,501.0	89.91	358.15	11,752.0	4,846.1	367.1	530,954.26	806,834.92	32° 27' 24.175 N	103° 28' 21.276 W
16,595.0	89.23	358.99	11,752.7	4,940.0	364.8	531,048.23	806,832.58	32° 27' 25.105 N	103° 28' 21.295 W
16,659.0	88.96	359.32	11,753.7	5,004.0	363.8	531,112.21	806,831.63	32° 27' 25.738 N	103° 28' 21.300 W
Section Line Crossing 16659'MD/11753'TVD (00.0503FSL, 1933.4073' FEL of Section 21)									
16,689.0	88.83	359.47	11,754.3	5,034.0	363.5	531,142.21	806,831.32	32° 27' 26.035 N	103° 28' 21.301 W
16,784.0	88.67	359.36	11,756.3	5,129.0	362.5	531,237.18	806,830.35	32° 27' 26.975 N	103° 28' 21.303 W
16,878.0	89.97	358.93	11,757.4	5,223.0	361.1	531,331.16	806,828.94	32° 27' 27.905 N	103° 28' 21.311 W
16,972.0	88.52	359.52	11,758.7	5,316.9	359.9	531,425.14	806,827.67	32° 27' 28.835 N	103° 28' 21.317 W
17,066.0	89.23	359.33	11,760.5	5,410.9	358.9	531,519.12	806,826.73	32° 27' 29.764 N	103° 28' 21.319 W
17,161.0	90.12	0.78	11,761.1	5,505.9	359.0	531,614.11	806,826.82	32° 27' 30.704 N	103° 28' 21.309 W
17,255.0	88.09	1.44	11,762.5	5,599.9	360.8	531,708.08	806,828.64	32° 27' 31.634 N	103° 28' 21.279 W
17,349.0	88.52	1.67	11,765.3	5,693.8	363.4	531,802.00	806,831.19	32° 27' 32.563 N	103° 28' 21.240 W
17,443.0	89.54	1.26	11,766.9	5,787.8	365.8	531,895.96	806,833.59	32° 27' 33.493 N	103° 28' 21.203 W
17,538.0	88.58	1.29	11,768.5	5,882.7	367.9	531,990.92	806,835.71	32° 27' 34.432 N	103° 28' 21.170 W
17,632.0	89.60	0.93	11,770.0	5,976.7	369.7	532,084.89	806,837.53	32° 27' 35.362 N	103° 28' 21.140 W
17,726.0	87.35	0.62	11,772.5	6,070.6	371.0	532,178.84	806,838.80	32° 27' 36.291 N	103° 28' 21.116 W
17,821.0	87.87	0.35	11,776.4	6,165.6	371.8	532,273.75	806,839.60	32° 27' 37.230 N	103° 28' 21.098 W
17,915.0	88.83	0.05	11,779.1	6,259.5	372.1	532,367.71	806,839.93	32° 27' 38.160 N	103° 28' 21.085 W
18,010.0	87.59	0.53	11,782.1	6,354.5	372.6	532,462.66	806,840.41	32° 27' 39.099 N	103° 28' 21.070 W
18,104.0	88.49	0.04	11,785.3	6,448.4	373.1	532,556.61	806,840.88	32° 27' 40.029 N	103° 28' 21.056 W
18,199.0	87.07	0.74	11,789.0	6,543.3	373.7	532,651.53	806,841.52	32° 27' 40.968 N	103° 28' 21.040 W
18,292.0	87.59	0.63	11,793.3	6,636.2	374.8	532,744.42	806,842.63	32° 27' 41.887 N	103° 28' 21.018 W
18,386.0	87.87	0.30	11,797.0	6,730.1	375.6	532,838.34	806,843.40	32° 27' 42.816 N	103° 28' 21.000 W
18,480.0	88.61	359.66	11,799.9	6,824.1	375.6	532,932.30	806,843.36	32° 27' 43.746 N	103° 28' 20.992 W
18,575.0	91.14	0.64	11,800.1	6,919.1	375.8	533,027.29	806,843.61	32° 27' 44.686 N	103° 28' 20.980 W
18,669.0	88.95	1.08	11,800.1	7,013.1	377.2	533,121.27	806,845.02	32° 27' 45.616 N	103° 28' 20.955 W
18,763.0	89.75	1.47	11,801.1	7,107.0	379.3	533,215.24	806,847.11	32° 27' 46.545 N	103° 28' 20.921 W
18,858.0	88.98	1.71	11,802.2	7,202.0	382.0	533,310.20	806,849.75	32° 27' 47.485 N	103° 28' 20.882 W
18,952.0	89.94	1.30	11,803.1	7,296.0	384.4	533,404.16	806,852.22	32° 27' 48.414 N	103° 28' 20.844 W
19,046.0	88.43	359.99	11,804.4	7,389.9	385.5	533,498.14	806,853.28	32° 27' 49.344 N	103° 28' 20.823 W
19,140.0	89.38	359.55	11,806.2	7,483.9	385.1	533,592.12	806,852.90	32° 27' 50.274 N	103° 28' 20.818 W
19,235.0	90.80	359.66	11,806.1	7,578.9	384.4	533,687.12	806,852.24	32° 27' 51.214 N	103° 28' 20.817 W
19,330.0	91.54	359.71	11,804.1	7,673.9	383.9	533,782.09	806,851.72	32° 27' 52.154 N	103° 28' 20.814 W
19,424.0	91.45	359.87	11,801.7	7,767.9	383.6	533,876.06	806,851.38	32° 27' 53.083 N	103° 28' 20.809 W
19,519.0	91.04	358.53	11,799.6	7,862.8	382.3	533,971.03	806,850.05	32° 27' 54.023 N	103° 28' 20.816 W
19,610.0	91.42	358.41	11,797.6	7,953.8	379.8	534,061.97	806,847.62	32° 27' 54.923 N	103° 28' 20.836 W
19,705.0	89.41	358.56	11,797.0	8,048.7	377.3	534,156.93	806,845.11	32° 27' 55.863 N	103° 28' 20.856 W
19,798.0	89.72	358.36	11,797.7	8,141.7	374.8	534,249.90	806,842.61	32° 27' 56.783 N	103° 28' 20.877 W
19,892.0	89.97	359.06	11,797.9	8,235.7	372.7	534,343.87	806,840.50	32° 27' 57.713 N	103° 28' 20.892 W
19,986.0	90.83	358.92	11,797.3	8,329.7	371.0	534,437.85	806,838.84	32° 27' 58.643 N	103° 28' 20.903 W
20,081.0	91.48	358.47	11,795.3	8,424.6	368.9	534,532.81	806,836.68	32° 27' 59.583 N	103° 28' 20.919 W
20,175.0	91.54	359.66	11,792.9	8,518.6	367.3	534,626.76	806,835.14	32° 28' 0.513 N	103° 28' 20.928 W
20,269.0	91.32	357.91	11,790.5	8,612.5	365.4	534,720.71	806,833.15	32° 28' 1.442 N	103° 28' 20.943 W
20,363.0	91.79	357.85	11,788.0	8,706.4	361.9	534,814.61	806,829.67	32° 28' 2.372 N	103° 28' 20.974 W

Halliburton

Survey Report - Geographic

Company: Devon Energy Corporation	Local Co-ordinate Reference: Well Chiles 28-21 State Com 2H
Project: Lea County, NM (NAD 83)	TVD Reference: RKB (Nabors X20) 32' + GL @ 3744.0usft
Site: Sec 28 - 21S - 34E	MD Reference: RKB (Nabors X20) 32' + GL @ 3744.0usft
Well: Chiles 28-21 State Com 2H	North Reference: Grid
Wellbore: Wellbore #1	Survey Calculation Method: Minimum Curvature
Design: Actual Drilled	Database: SOUTH US

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
20,458.0	92.41	357.83	11,784.5	8,801.3	358.3	534,909.48	806,826.10	32° 28' 3.311 N	103° 28' 21.007 W
20,522.0	92.95	357.74	11,781.5	8,865.2	355.8	534,973.36	806,823.63	32° 28' 3.943 N	103° 28' 21.030 W
20,646.0	92.93	359.42	11,775.1	8,989.0	352.8	535,097.15	806,820.56	32° 28' 5.168 N	103° 28' 21.054 W
20,740.0	92.78	0.25	11,770.5	9,082.8	352.5	535,191.04	806,820.29	32° 28' 6.097 N	103° 28' 21.049 W
20,834.0	91.48	0.45	11,767.0	9,176.8	353.1	535,284.97	806,820.86	32° 28' 7.026 N	103° 28' 21.033 W
20,929.0	91.57	0.29	11,764.4	9,271.7	353.7	535,379.93	806,821.47	32° 28' 7.966 N	103° 28' 21.017 W
21,023.0	89.01	359.91	11,764.0	9,365.7	353.8	535,473.92	806,821.64	32° 28' 8.896 N	103° 28' 21.006 W
21,117.0	88.83	0.59	11,765.7	9,459.7	354.2	535,567.90	806,822.05	32° 28' 9.826 N	103° 28' 20.992 W
21,210.0	92.10	0.02	11,765.0	9,552.7	354.7	535,660.89	806,822.54	32° 28' 10.746 N	103° 28' 20.978 W
21,305.0	93.39	359.82	11,760.4	9,647.6	354.4	535,755.78	806,822.24	32° 28' 11.685 N	103° 28' 20.972 W
21,398.0	92.00	358.41	11,756.0	9,740.5	352.8	535,848.66	806,820.65	32° 28' 12.604 N	103° 28' 20.982 W
21,492.0	92.75	358.63	11,752.2	9,834.3	350.4	535,942.54	806,818.22	32° 28' 13.533 N	103° 28' 21.002 W
21,587.0	91.97	358.33	11,748.2	9,929.2	347.9	536,037.43	806,815.70	32° 28' 14.472 N	103° 28' 21.022 W
21,682.0	91.76	358.79	11,745.1	10,024.1	345.5	536,132.35	806,813.32	32° 28' 15.411 N	103° 28' 21.041 W
21,776.0	92.07	358.55	11,742.0	10,118.1	343.3	536,226.27	806,811.14	32° 28' 16.341 N	103° 28' 21.058 W
21,838.0	92.53	358.33	11,739.5	10,180.0	341.7	536,288.20	806,809.45	32° 28' 16.954 N	103° 28' 21.072 W
LTP 100' FNL Crossing 21838'MD/11739'TVD (100.38' FNL, 1910.45' FEL of Section 21)									
21,871.0	92.78	358.22	11,738.0	10,212.9	340.7	536,321.15	806,808.46	32° 28' 17.280 N	103° 28' 21.080 W
Last MWD Survey									
21,928.0	92.78	358.22	11,735.2	10,269.8	338.9	536,378.05	806,806.69	32° 28' 17.843 N	103° 28' 21.095 W
Projection to TD (10.5052' FNL, 1912.4767' FEL of Section 21)									

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
231.0	231.0	0.7	0.8	First MWD Survey
11,105.0	11,075.2	-253.1	610.7	KOP11105' MD/ 11075' TVD(19.4335' FSL, 1731.4930' FEL of Section 28)
11,381.0	11,334.1	-172.0	609.9	FTP 100' FSL Crossing 11381' MD/11334'TVD(100.56' FSL, 1731.56' FEL of Se
16,659.0	11,753.7	5,004.0	363.8	Section Line Crossing 16659'MD/11753'TVD (00.0503FSL, 1933.4073' FEL of S
21,838.0	11,739.5	10,180.0	341.7	LTP 100' FNL Crossing 21838'MD/11739'TVD (100.38' FNL, 1910.45' FEL of Se
21,871.0	11,738.0	10,212.9	340.7	Last MWD Survey
21,928.0	11,735.2	10,269.8	338.9	Projection to TD (10.5052' FNL, 1912.4767' FEL of Section 21)

Checked By: _____ Approved By: _____ Date: _____