

HALLIBURTON

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

March 8, 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 1H
Parish: Lea County, NM
Rig Name: Nabors X20
Sperry Job #: 905294108
API #: 30-025-45350

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

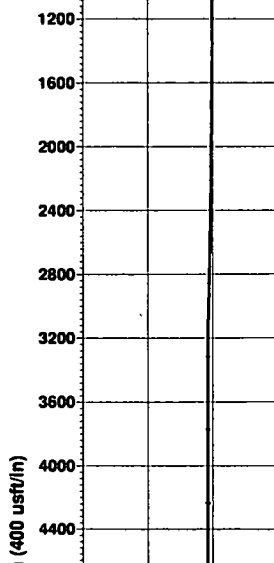
WELL DETAILS: Chiles 28-21 State Com 1H

RKB (Nabors X20) + GL @ 3744.0usft
3712.0

Northing 526108.60 Easting 806497.80 Latitude 32° 26' 36.256 N Longitude 103° 28' 25.666 W

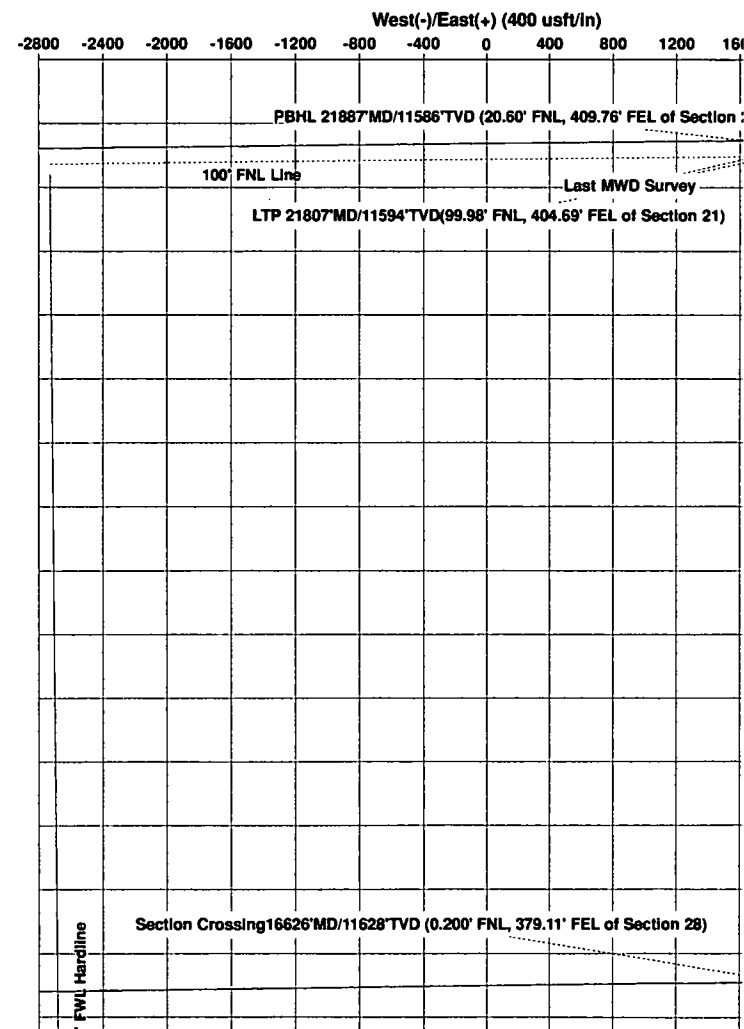
ANNOTATIONS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Vsect	Departure	Annotation
200.0	0.30	208.92	200.0	-0.5	-0.3	-0.5	0.5	First MWD Survey
11058.0	10.80	73.70	10888.2	-199.6	1739.2	-199.6	1771.4	KOP 11058' MD/10888' TVD (58.62' FSL, 572.56' FEL of Section 28)
11245.0	21.84	13.71	11067.3	-157.9	1767.5	-157.9	1824.6	FTP 11245' MD/11067' TVD (99.95' FSL, 543.92' FEL of Section 28)
16626.0	89.06	1.16	11628.9	5023.2	1888.0	5023.2	7025.3	Section Crossing 16626' MD/11628' TVD (0.200' FNL, 379.11' FEL of Section 28)
21807.0	96.06	356.04	11594.9	10197.0	1817.3	10197.0	12200.2	LTP 21807' MD/11594' TVD (99.98' FNL, 404.69' FEL of Section 21)
21834.0	96.30	355.80	11592.0	10223.8	1815.4	10223.8	12227.1	Last MWD Survey



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Devon Energy Corporation

Lea County, NM (NAD 83)

Sec 28 - 21S - 34E

Chiles 28-21 State Com 1H

Wellbore #1

Survey: MWD

Survey Report - Geographic

27 June, 2019

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Survey Report - Geographic

Company:	Devon Energy Corporation	Local Co-ordinate Reference:	Well Chiles 28-21 State Com 1H
Project:	Lea County, NM (NAD 83)	TVD Reference:	RKB (Nabors X20) + GL @ 3744.0usft
Site:	Sec 28 - 21S - 34E	MD Reference:	RKB (Nabors X20) + GL @ 3744.0usft
Well:	Chiles 28-21 State Com 1H	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
From:	Map	Easting:	806,497.80 usft
Position Uncertainty:	5.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 26' 36.256 N
		Longitude:	103° 28' 25.666 W
		Grid Convergence:	0.46 °

Well	Chiles 28-21 State Com 1H		
Well Position	+N-S	0.0 usft	Northing: 526,108.60 usft
	+E-W	0.0 usft	Easting: 806,497.80 usft
Position Uncertainty	0.5 usft	Wellhead Elevation:	usft
		Latitude:	32° 26' 36.256 N
		Longitude:	103° 28' 25.666 W
		Ground Level:	3,712.0 usft

Wellbore	Wellbore #1		
Magnetics	Model Name	Sample Date	Declination (°)
	BGGM2018	11/15/2018	6.82
			Dip Angle (°)
			60.23
			Field Strength (nT)
			47,975.11959686

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)
	0.0	0.0	0.0
		Direction (°)	0.00

Survey Program	Date 6/27/2019		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name
200.0	21,834.0	MWD (Wellbore #1)	2_MWD
21,887.0	21,887.0	Projection to TD (Wellbore #1)	2_Blind
			Description
			A001Mb/ISC4: BGGM declination correction only
			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	526,108.60	806,497.80	32° 26' 36.256 N	103° 28' 25.666 W
200.0	0.30	208.92	200.0	-0.5	-0.3	526,108.14	806,497.55	32° 26' 36.251 N	103° 28' 25.669 W
First MWD Survey									
243.0	0.42	237.43	243.0	-0.6	-0.4	526,107.96	806,497.36	32° 26' 36.250 N	103° 28' 25.671 W
336.0	0.15	233.86	336.0	-0.9	-0.8	526,107.70	806,496.98	32° 26' 36.247 N	103° 28' 25.676 W
427.0	0.44	250.24	427.0	-1.1	-1.3	526,107.52	806,496.55	32° 26' 36.245 N	103° 28' 25.681 W
517.0	0.34	320.18	517.0	-1.0	-1.7	526,107.60	806,496.05	32° 26' 36.246 N	103° 28' 25.686 W
608.0	0.29	245.69	608.0	-0.9	-2.1	526,107.72	806,495.67	32° 26' 36.247 N	103° 28' 25.691 W
698.0	0.31	281.68	698.0	-0.9	-2.6	526,107.67	806,495.23	32° 26' 36.247 N	103° 28' 25.696 W
789.0	0.11	325.52	789.0	-0.8	-2.9	526,107.79	806,494.94	32° 26' 36.248 N	103° 28' 25.700 W
879.0	0.31	211.09	879.0	-0.9	-3.0	526,107.66	806,494.76	32° 26' 36.247 N	103° 28' 25.702 W

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Survey Report - Geographic

Company:	Devon Energy Corporation	Local Co-ordinate Reference:	Well Chiles 28-21 State Com 1H
Project:	Lea County, NM (NAD 83)	TVD Reference:	RKB (Nabors X20) + GL @ 3744.0usft
Site:	Sec 28 - 21S - 34E	MD Reference:	RKB (Nabors X20) + GL @ 3744.0usft
Well:	Chiles 28-21 State Com 1H	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
970.0	0.42	272.36	970.0	-1.1	-3.5	526,107.46	806,494.30	32° 26' 36.245 N	103° 28' 25.707 W
1,061.0	0.45	251.75	1,061.0	-1.2	-4.2	526,107.36	806,493.63	32° 26' 36.244 N	103° 28' 25.715 W
1,150.0	0.65	245.39	1,150.0	-1.6	-5.0	526,107.04	806,492.84	32° 26' 36.241 N	103° 28' 25.724 W
1,240.0	0.25	111.50	1,240.0	-1.8	-5.2	526,106.76	806,492.56	32° 26' 36.238 N	103° 28' 25.727 W
1,331.0	0.87	126.17	1,331.0	-2.3	-4.5	526,106.28	806,493.30	32° 26' 36.233 N	103° 28' 25.719 W
1,423.0	1.20	107.17	1,423.0	-3.0	-3.0	526,105.58	806,494.78	32° 26' 36.226 N	103° 28' 25.702 W
1,514.0	1.45	115.60	1,513.9	-3.8	-1.1	526,104.80	806,496.73	32° 26' 36.218 N	103° 28' 25.679 W
1,607.0	1.17	114.61	1,606.9	-4.7	0.9	526,103.90	806,498.66	32° 26' 36.209 N	103° 28' 25.656 W
1,700.0	1.63	99.28	1,699.9	-5.3	3.0	526,103.29	806,500.82	32° 26' 36.203 N	103° 28' 25.631 W
1,794.0	3.14	99.81	1,793.8	-6.0	6.9	526,102.64	806,504.68	32° 26' 36.196 N	103° 28' 25.586 W
1,925.0	5.92	100.27	1,924.4	-7.8	17.1	526,100.82	806,514.87	32° 26' 36.178 N	103° 28' 25.468 W
2,019.0	8.07	95.10	2,017.7	-9.2	28.4	526,099.37	806,526.21	32° 26' 36.162 N	103° 28' 25.335 W
2,113.0	8.45	93.17	2,110.7	-10.2	41.9	526,098.40	806,539.68	32° 26' 36.152 N	103° 28' 25.178 W
2,206.0	8.52	92.52	2,202.7	-10.9	55.6	526,097.72	806,553.38	32° 26' 36.144 N	103° 28' 25.018 W
2,300.0	8.50	95.10	2,295.6	-11.8	69.5	526,096.80	806,567.26	32° 26' 36.134 N	103° 28' 24.857 W
2,395.0	8.63	95.95	2,389.6	-13.2	83.5	526,095.43	806,581.34	32° 26' 36.119 N	103° 28' 24.692 W
2,489.0	9.14	95.84	2,482.5	-14.7	98.0	526,093.94	806,595.78	32° 26' 36.103 N	103° 28' 24.524 W
2,583.0	10.22	94.53	2,575.1	-16.1	113.7	526,092.52	806,611.52	32° 26' 36.088 N	103° 28' 24.341 W
2,678.0	10.12	96.45	2,668.6	-17.7	130.4	526,090.92	806,628.22	32° 26' 36.071 N	103° 28' 24.146 W
2,772.0	10.21	96.88	2,761.2	-19.6	146.9	526,088.99	806,644.69	32° 26' 36.050 N	103° 28' 23.954 W
2,867.0	10.48	98.67	2,854.6	-21.9	163.8	526,086.68	806,661.59	32° 26' 36.026 N	103° 28' 23.757 W
2,961.0	10.32	98.82	2,947.1	-24.5	180.6	526,084.10	806,678.37	32° 26' 35.999 N	103° 28' 23.561 W
3,055.0	10.60	99.16	3,039.5	-27.2	197.4	526,081.44	806,695.22	32° 26' 35.971 N	103° 28' 23.365 W
3,149.0	11.76	92.39	3,131.7	-28.9	215.5	526,079.66	806,713.33	32° 26' 35.952 N	103° 28' 23.154 W
3,243.0	12.14	90.03	3,223.7	-29.3	235.0	526,079.26	806,732.78	32° 26' 35.947 N	103° 28' 22.927 W
3,338.0	12.33	90.82	3,316.5	-29.5	255.1	526,079.11	806,752.92	32° 26' 35.944 N	103° 28' 22.692 W
3,431.0	12.68	90.12	3,407.3	-29.7	275.3	526,078.94	806,773.05	32° 26' 35.940 N	103° 28' 22.457 W
3,525.0	12.91	90.27	3,499.0	-29.7	296.1	526,078.87	806,793.87	32° 26' 35.938 N	103° 28' 22.214 W
3,619.0	13.38	90.03	3,590.5	-29.8	317.4	526,078.82	806,815.25	32° 26' 35.936 N	103° 28' 21.965 W
3,713.0	13.49	90.10	3,681.9	-29.8	339.3	526,078.79	806,837.09	32° 26' 35.934 N	103° 28' 21.710 W
3,807.0	13.07	90.21	3,773.4	-29.9	360.9	526,078.73	806,858.68	32° 26' 35.932 N	103° 28' 21.458 W
3,902.0	12.36	91.54	3,866.1	-30.2	381.8	526,078.42	806,879.58	32° 26' 35.927 N	103° 28' 21.214 W
3,996.0	12.08	90.58	3,958.0	-30.6	401.7	526,078.05	806,899.48	32° 26' 35.922 N	103° 28' 20.982 W
4,090.0	11.70	90.35	4,050.0	-30.7	421.0	526,077.89	806,918.84	32° 26' 35.918 N	103° 28' 20.756 W
4,184.0	11.35	90.00	4,142.1	-30.8	439.8	526,077.83	806,937.62	32° 26' 35.916 N	103° 28' 20.537 W
4,278.0	11.37	89.83	4,234.2	-30.7	458.3	526,077.86	806,956.14	32° 26' 35.915 N	103° 28' 20.321 W
4,371.0	11.11	90.50	4,325.4	-30.8	476.5	526,077.81	806,974.27	32° 26' 35.913 N	103° 28' 20.109 W
4,466.0	10.97	90.24	4,418.7	-30.9	494.7	526,077.69	806,992.46	32° 26' 35.911 N	103° 28' 19.897 W
4,560.0	11.20	90.16	4,510.9	-31.0	512.7	526,077.63	807,010.53	32° 26' 35.909 N	103° 28' 19.686 W
4,654.0	11.25	95.55	4,603.1	-31.9	531.0	526,076.72	807,028.79	32° 26' 35.898 N	103° 28' 19.473 W
4,749.0	11.14	96.56	4,696.3	-33.8	549.3	526,074.77	807,047.13	32° 26' 35.877 N	103° 28' 19.259 W
4,843.0	10.92	94.98	4,788.6	-35.6	567.2	526,072.96	807,065.02	32° 26' 35.858 N	103° 28' 19.051 W
4,937.0	11.05	96.27	4,880.9	-37.4	585.0	526,071.21	807,082.84	32° 26' 35.839 N	103° 28' 18.843 W
5,032.0	11.12	96.94	4,974.1	-39.5	603.2	526,069.10	807,100.99	32° 26' 35.817 N	103° 28' 18.631 W
5,126.0	10.83	97.02	5,066.4	-41.7	620.9	526,066.93	807,118.75	32° 26' 35.794 N	103° 28' 18.424 W
5,220.0	10.67	96.12	5,158.7	-43.7	638.4	526,064.92	807,136.17	32° 26' 35.773 N	103° 28' 18.221 W
5,314.0	10.56	98.19	5,251.1	-45.8	655.5	526,062.77	807,153.35	32° 26' 35.750 N	103° 28' 18.021 W
5,409.0	10.30	97.42	5,344.5	-48.2	672.6	526,060.43	807,170.38	32° 26' 35.726 N	103° 28' 17.822 W
5,518.0	10.24	98.76	5,451.8	-50.9	691.8	526,057.70	807,189.62	32° 26' 35.697 N	103° 28' 17.598 W
5,597.0	10.12	99.41	5,529.6	-53.1	705.6	526,055.49	807,203.41	32° 26' 35.674 N	103° 28' 17.438 W
5,690.0	9.75	102.26	5,621.2	-56.1	721.4	526,052.48	807,219.17	32° 26' 35.643 N	103° 28' 17.254 W
5,788.0	9.43	104.25	5,717.8	-59.9	737.3	526,048.75	807,235.06	32° 26' 35.605 N	103° 28' 17.069 W
5,831.0	9.54	103.79	5,760.2	-61.6	744.1	526,047.03	807,241.93	32° 26' 35.587 N	103° 28' 16.989 W
5,925.0	9.43	102.08	5,852.9	-65.0	759.2	526,043.56	807,257.03	32° 26' 35.552 N	103° 28' 16.813 W
6,019.0	9.15	103.21	5,945.7	-68.4	774.0	526,040.24	807,271.83	32° 26' 35.518 N	103° 28' 16.641 W

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Survey Report - Geographic

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Project:	Lea County, NM (NAD 83)	TVD Reference:	RKB (Nabors X20) + GL @ 3744.0usft
Site:	Sec 28 - 21S - 34E	MD Reference:	RKB (Nabors X20) + GL @ 3744.0usft
Well:	Chiles 28-21 State Com 1H	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
6,113.0	10.21	106.36	6,038.3	-72.4	789.3	526,036.19	807,287.10	32° 26' 35.476 N	103° 28' 16.463 W
6,208.0	11.45	101.92	6,131.7	-76.7	806.6	526,031.87	807,304.41	32° 26' 35.432 N	103° 28' 16.261 W
6,302.0	11.85	101.07	6,223.7	-80.5	825.2	526,028.09	807,323.01	32° 26' 35.393 N	103° 28' 16.045 W
6,397.0	12.00	100.88	6,316.7	-84.3	844.5	526,024.35	807,342.28	32° 26' 35.355 N	103° 28' 15.820 W
6,490.0	11.97	100.14	6,407.6	-87.8	863.5	526,020.83	807,361.27	32° 26' 35.319 N	103° 28' 15.599 W
6,585.0	11.82	101.80	6,500.6	-91.5	882.7	526,017.10	807,380.49	32° 26' 35.280 N	103° 28' 15.375 W
6,679.0	11.70	101.83	6,592.6	-95.4	901.4	526,013.18	807,399.24	32° 26' 35.240 N	103° 28' 15.156 W
6,773.0	11.68	101.70	6,684.7	-99.3	920.1	526,009.30	807,417.89	32° 26' 35.200 N	103° 28' 14.939 W
6,868.0	11.68	102.97	6,777.7	-103.4	938.9	526,005.19	807,436.68	32° 26' 35.158 N	103° 28' 14.720 W
6,961.0	11.54	103.71	6,868.8	-107.7	957.1	526,000.87	807,454.89	32° 26' 35.114 N	103° 28' 14.508 W
7,055.0	11.20	103.19	6,961.0	-112.0	975.1	525,996.56	807,472.91	32° 26' 35.069 N	103° 28' 14.298 W
7,149.0	10.94	102.20	7,053.2	-116.0	992.7	525,992.59	807,490.52	32° 26' 35.029 N	103° 28' 14.093 W
7,244.0	11.43	95.61	7,146.4	-118.8	1,010.9	525,989.77	807,508.70	32° 26' 34.999 N	103° 28' 13.882 W
7,338.0	11.10	96.82	7,238.6	-120.8	1,029.1	525,987.78	807,526.95	32° 26' 34.978 N	103° 28' 13.669 W
7,432.0	10.88	97.31	7,330.9	-123.0	1,046.9	525,985.58	807,544.73	32° 26' 34.955 N	103° 28' 13.461 W
7,526.0	10.79	99.30	7,423.2	-125.6	1,064.4	525,983.03	807,562.22	32° 26' 34.928 N	103° 28' 13.258 W
7,620.0	10.14	100.53	7,515.6	-128.5	1,081.2	525,980.09	807,579.03	32° 26' 34.898 N	103° 28' 13.062 W
7,714.0	10.09	98.26	7,608.2	-131.2	1,097.5	525,977.40	807,595.32	32° 26' 34.870 N	103° 28' 12.872 W
7,809.0	11.03	90.77	7,701.6	-132.5	1,114.8	525,976.08	807,612.64	32° 26' 34.856 N	103° 28' 12.670 W
7,902.0	10.65	88.90	7,792.9	-132.5	1,132.3	525,976.13	807,630.13	32° 26' 34.855 N	103° 28' 12.466 W
7,996.0	10.07	88.43	7,885.4	-132.1	1,149.2	525,976.52	807,647.03	32° 26' 34.857 N	103° 28' 12.269 W
8,091.0	10.92	87.27	7,978.8	-131.4	1,166.5	525,977.17	807,664.32	32° 26' 34.862 N	103° 28' 12.067 W
8,186.0	12.19	84.71	8,071.9	-130.1	1,185.5	525,978.53	807,683.30	32° 26' 34.874 N	103° 28' 11.845 W
8,279.0	12.05	82.80	8,162.8	-128.0	1,204.9	525,980.65	807,702.70	32° 26' 34.894 N	103° 28' 11.619 W
8,373.0	11.68	83.87	8,254.8	-125.7	1,224.1	525,982.90	807,721.90	32° 26' 34.914 N	103° 28' 11.394 W
8,468.0	11.73	86.61	8,347.8	-124.1	1,243.3	525,984.49	807,741.10	32° 26' 34.929 N	103° 28' 11.170 W
8,562.0	11.34	88.86	8,439.9	-123.4	1,262.1	525,985.24	807,759.88	32° 26' 34.935 N	103° 28' 10.951 W
8,656.0	10.90	89.95	8,532.1	-123.2	1,280.2	525,985.43	807,778.01	32° 26' 34.935 N	103° 28' 10.739 W
8,750.0	10.00	91.99	8,624.6	-123.4	1,297.2	525,985.16	807,795.05	32° 26' 34.931 N	103° 28' 10.541 W
8,844.0	10.35	97.66	8,717.1	-124.9	1,313.8	525,983.75	807,811.58	32° 26' 34.916 N	103° 28' 10.348 W
8,938.0	10.33	100.43	8,809.6	-127.5	1,330.4	525,981.10	807,828.23	32° 26' 34.888 N	103° 28' 10.154 W
9,032.0	9.59	106.06	8,902.2	-131.2	1,346.2	525,977.41	807,844.05	32° 26' 34.850 N	103° 28' 9.970 W
9,127.0	11.10	106.98	8,995.6	-136.1	1,362.6	525,972.55	807,860.40	32° 26' 34.801 N	103° 28' 9.779 W
9,220.0	11.75	102.39	9,086.8	-140.7	1,380.4	525,967.90	807,878.21	32° 26' 34.753 N	103° 28' 9.572 W
9,314.0	12.04	96.10	9,178.8	-143.8	1,399.5	525,964.80	807,897.31	32° 26' 34.721 N	103° 28' 9.349 W
9,407.0	11.42	97.05	9,269.8	-146.0	1,418.3	525,962.64	807,916.09	32° 26' 34.698 N	103° 28' 9.130 W
9,501.0	12.53	98.85	9,361.8	-148.7	1,437.6	525,959.93	807,935.40	32° 26' 34.670 N	103° 28' 8.905 W
9,597.0	12.09	97.80	9,455.6	-151.6	1,457.9	525,956.97	807,955.65	32° 26' 34.639 N	103° 28' 8.669 W
9,691.0	11.38	92.14	9,547.6	-153.3	1,476.9	525,955.28	807,974.67	32° 26' 34.621 N	103° 28' 8.448 W
9,786.0	9.96	93.99	9,641.0	-154.2	1,494.4	525,954.36	807,992.24	32° 26' 34.610 N	103° 28' 8.243 W
9,880.0	10.36	100.43	9,733.5	-156.3	1,510.9	525,952.27	808,008.66	32° 26' 34.588 N	103° 28' 8.051 W
9,974.0	11.07	100.30	9,825.9	-159.5	1,528.0	525,949.12	808,025.85	32° 26' 34.556 N	103° 28' 7.851 W
10,068.0	10.96	99.38	9,918.1	-162.5	1,545.7	525,946.05	808,043.55	32° 26' 34.524 N	103° 28' 7.645 W
10,163.0	11.74	104.18	10,011.3	-166.4	1,564.0	525,942.21	808,061.83	32° 26' 34.485 N	103° 28' 7.432 W
10,257.0	11.60	99.52	10,103.3	-170.3	1,582.6	525,938.31	808,080.42	32° 26' 34.444 N	103° 28' 7.215 W
10,351.0	11.96	101.34	10,195.3	-173.8	1,601.5	525,934.83	808,099.29	32° 26' 34.409 N	103° 28' 6.995 W
10,446.0	12.44	104.48	10,288.2	-178.3	1,621.0	525,930.33	808,118.85	32° 26' 34.362 N	103° 28' 6.768 W
10,541.0	10.99	107.66	10,381.2	-183.6	1,639.6	525,925.03	808,137.39	32° 26' 34.309 N	103° 28' 6.552 W
10,635.0	11.26	100.31	10,473.5	-187.9	1,657.2	525,920.67	808,154.95	32° 26' 34.264 N	103° 28' 6.347 W
10,729.0	12.08	102.57	10,565.5	-191.7	1,675.8	525,916.88	808,173.58	32° 26' 34.225 N	103° 28' 6.130 W
10,824.0	11.79	98.42	10,658.5	-195.3	1,695.1	525,913.30	808,192.89	32° 26' 34.188 N	103° 28' 5.905 W
10,918.0	11.10	97.60	10,750.6	-197.9	1,713.6	525,910.70	808,211.36	32° 26' 34.161 N	103° 28' 5.690 W
11,012.0	10.40	97.60	10,842.9	-200.2	1,730.9	525,908.38	808,228.74	32° 26' 34.136 N	103° 28' 5.487 W
11,058.0	10.80	73.70	10,888.2	-199.6	1,739.2	525,909.04	808,236.99	32° 26' 34.142 N	103° 28' 5.391 W

KOP 11058' MD/10888' TVD (58.62' FSL, 572.56' FEL of Section 28)

Halliburton

Survey Report - Geographic

Company:	Devon Energy Corporation	Local Co-ordinate Reference:	Well Chiles 28-21 State Com 1H
Project:	Lea County, NM (NAD 83)	TVD Reference:	RKB (Nabors X20) + GL @ 3744.0usft
Site:	Sec 28 - 21S - 34E	MD Reference:	RKB (Nabors X20) + GL @ 3744.0usft
Well:	Chiles 28-21 State Com 1H	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
11,106.0	14.10	54.40	10,935.1	-194.9	1,748.3	525,913.71	808,246.07	32° 26' 34.188 N	103° 28' 5.285 W
11,153.0	16.90	33.60	10,980.4	-185.9	1,756.7	525,922.74	808,254.51	32° 26' 34.276 N	103° 28' 5.185 W
11,199.0	19.00	19.70	11,024.2	-173.2	1,762.9	525,935.37	808,260.74	32° 26' 34.401 N	103° 28' 5.111 W
11,245.0	21.84	13.71	11,067.3	-157.9	1,767.5	525,950.73	808,265.29	32° 26' 34.553 N	103° 28' 5.057 W
FTP 11245' MD/11067' TVD (99.95' FSL, 543.92' FEL of Section 28)									
11,246.0	21.90	13.60	11,068.2	-157.5	1,767.6	525,951.09	808,265.38	32° 26' 34.556 N	103° 28' 5.056 W
11,292.0	25.50	15.40	11,110.3	-139.6	1,772.2	525,968.98	808,270.03	32° 26' 34.733 N	103° 28' 5.000 W
11,340.0	30.90	18.10	11,152.6	-117.9	1,778.8	525,990.68	808,276.61	32° 26' 34.947 N	103° 28' 4.921 W
11,387.0	34.20	20.40	11,192.2	-94.1	1,787.2	526,014.54	808,284.96	32° 26' 35.182 N	103° 28' 4.821 W
11,434.0	36.30	20.40	11,230.6	-68.6	1,796.6	526,039.96	808,294.42	32° 26' 35.433 N	103° 28' 4.709 W
11,481.0	40.80	19.10	11,267.3	-41.1	1,806.5	526,067.52	808,304.30	32° 26' 35.705 N	103° 28' 4.591 W
11,529.0	46.40	17.70	11,302.1	-9.7	1,816.9	526,098.93	808,314.72	32° 26' 36.015 N	103° 28' 4.466 W
11,576.0	50.70	16.70	11,333.2	24.0	1,827.3	526,132.57	808,325.13	32° 26' 36.347 N	103° 28' 4.342 W
11,623.0	54.80	15.90	11,361.6	59.9	1,837.8	526,168.47	808,335.62	32° 26' 36.701 N	103° 28' 4.216 W
11,670.0	58.70	14.60	11,387.4	97.8	1,848.1	526,206.39	808,345.94	32° 26' 37.076 N	103° 28' 4.092 W
11,717.0	63.50	14.70	11,410.1	137.6	1,858.5	526,246.19	808,356.35	32° 26' 37.469 N	103° 28' 3.966 W
11,764.0	68.60	12.50	11,429.2	179.3	1,868.6	526,287.92	808,366.43	32° 26' 37.881 N	103° 28' 3.845 W
11,812.0	73.60	10.90	11,444.7	223.8	1,877.8	526,332.38	808,375.63	32° 26' 38.320 N	103° 28' 3.733 W
11,859.0	74.20	10.40	11,457.8	268.2	1,886.2	526,376.76	808,383.97	32° 26' 38.758 N	103° 28' 3.632 W
11,906.0	78.50	8.60	11,468.9	313.2	1,893.7	526,421.79	808,391.50	32° 26' 39.203 N	103° 28' 3.540 W
11,953.0	81.80	4.50	11,476.9	359.2	1,899.0	526,467.78	808,396.77	32° 26' 39.658 N	103° 28' 3.474 W
12,000.0	83.70	1.60	11,482.8	405.7	1,901.4	526,514.33	808,399.25	32° 26' 40.118 N	103° 28' 3.441 W
12,047.0	84.00	0.60	11,487.9	452.4	1,902.3	526,561.05	808,400.15	32° 26' 40.581 N	103° 28' 3.426 W
12,067.0	84.20	359.40	11,489.9	472.3	1,902.3	526,580.94	808,400.15	32° 26' 40.777 N	103° 28' 3.424 W
12,155.0	88.60	357.50	11,495.4	560.1	1,900.0	526,668.71	808,397.77	32° 26' 41.646 N	103° 28' 3.443 W
12,245.0	89.80	357.30	11,496.7	650.0	1,895.9	526,758.61	808,393.69	32° 26' 42.536 N	103° 28' 3.482 W
12,337.0	90.60	357.00	11,496.4	741.9	1,891.3	526,850.49	808,389.11	32° 26' 43.445 N	103° 28' 3.527 W
12,428.0	89.60	359.10	11,496.2	832.8	1,888.2	526,941.44	808,386.02	32° 26' 44.346 N	103° 28' 3.555 W
12,520.0	89.90	359.00	11,496.6	924.8	1,886.7	527,033.42	808,384.49	32° 26' 45.256 N	103° 28' 3.564 W
12,615.0	90.30	358.50	11,496.5	1,019.8	1,884.6	527,128.40	808,382.42	32° 26' 46.196 N	103° 28' 3.579 W
12,708.0	89.80	2.40	11,496.4	1,112.8	1,885.3	527,221.38	808,383.15	32° 26' 47.116 N	103° 28' 3.562 W
12,803.0	90.50	2.20	11,496.1	1,207.7	1,889.2	527,316.30	808,386.96	32° 26' 48.055 N	103° 28' 3.508 W
12,897.0	89.30	2.40	11,496.3	1,301.6	1,892.9	527,410.22	808,390.73	32° 26' 48.984 N	103° 28' 3.455 W
12,991.0	85.90	2.00	11,500.2	1,395.5	1,896.5	527,504.06	808,394.34	32° 26' 49.912 N	103° 28' 3.404 W
13,085.0	85.80	2.70	11,507.0	1,489.1	1,900.4	527,597.73	808,398.18	32° 26' 50.838 N	103° 28' 3.350 W
13,179.0	86.00	2.80	11,513.8	1,582.8	1,904.9	527,691.38	808,402.68	32° 26' 51.765 N	103° 28' 3.289 W
13,273.0	86.50	3.40	11,519.9	1,676.4	1,910.0	527,785.04	808,407.75	32° 26' 52.691 N	103° 28' 3.221 W
13,368.0	87.30	1.40	11,525.0	1,771.2	1,913.9	527,879.82	808,411.72	32° 26' 53.628 N	103° 28' 3.166 W
13,462.0	86.30	359.70	11,530.3	1,865.1	1,914.8	527,973.66	808,412.63	32° 26' 54.557 N	103° 28' 3.146 W
13,556.0	85.50	358.00	11,537.0	1,958.8	1,912.9	528,067.40	808,410.75	32° 26' 55.484 N	103° 28' 3.159 W
13,651.0	86.50	358.30	11,543.6	2,053.5	1,909.9	528,162.11	808,407.69	32° 26' 56.422 N	103° 28' 3.186 W
13,745.0	85.10	357.40	11,550.5	2,147.2	1,906.4	528,255.79	808,404.17	32° 26' 57.349 N	103° 28' 3.218 W
13,839.0	84.70	356.30	11,558.9	2,240.7	1,901.2	528,349.28	808,399.03	32° 26' 58.274 N	103° 28' 3.270 W
13,933.0	85.70	356.90	11,566.7	2,334.2	1,895.7	528,442.78	808,393.47	32° 26' 59.200 N	103° 28' 3.326 W
14,028.0	84.90	358.40	11,574.5	2,428.8	1,891.8	528,537.38	808,389.59	32° 27' 0.136 N	103° 28' 3.362 W
14,122.0	84.90	358.20	11,582.9	2,522.4	1,889.0	528,630.96	808,386.81	32° 27' 1.063 N	103° 28' 3.385 W
14,216.0	84.70	357.50	11,591.4	2,615.9	1,885.5	528,724.51	808,383.30	32° 27' 1.989 N	103° 28' 3.418 W
14,311.0	85.10	359.00	11,599.8	2,710.5	1,882.6	528,819.09	808,380.41	32° 27' 2.925 N	103° 28' 3.442 W
14,404.0	85.50	359.20	11,607.5	2,803.2	1,881.2	528,911.76	808,378.95	32° 27' 3.842 N	103° 28' 3.451 W
14,498.0	86.20	359.40	11,614.3	2,896.9	1,880.0	529,005.51	808,377.81	32° 27' 4.769 N	103° 28' 3.455 W
14,592.0	85.90	359.10	11,620.7	2,990.7	1,878.8	529,099.28	808,376.58	32° 27' 5.697 N	103° 28' 3.460 W
14,686.0	86.20	358.60	11,627.2	3,084.4	1,876.9	529,193.04	808,374.70	32° 27' 6.625 N	103° 28' 3.474 W
14,781.0	86.60	359.80	11,633.2	3,179.2	1,875.6	529,287.84	808,373.37	32° 27' 7.563 N	103° 28' 3.480 W
14,875.0	87.90	0.70	11,637.7	3,273.1	1,876.0	529,381.72	808,373.78	32° 27' 8.492 N	103° 28' 3.466 W
14,969.0	87.90	0.10	11,641.1	3,367.1	1,876.6	529,475.66	808,374.44	32° 27' 9.422 N	103° 28' 3.450 W

Halliburton

Survey Report - Geographic

Company:	Devon Energy Corporation	Local Co-ordinate Reference:	Well Chiles 28-21 State Com 1H
Project:	Lea County, NM (NAD 83)	TVD Reference:	RKB (Nabors X20) + GL @ 3744.0usft
Site:	Sec 28 - 21S - 34E	MD Reference:	RKB (Nabors X20) + GL @ 3744.0usft
Well:	Chiles 28-21 State Com 1H	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
15,063.0	89.10	0.50	11,643.6	3,461.0	1,877.1	529,569.62	808,374.93	32° 27' 10.351 N	103° 28' 3.435 W
15,156.0	89.90	0.10	11,644.4	3,554.0	1,877.6	529,662.62	808,375.42	32° 27' 11.271 N	103° 28' 3.421 W
15,250.0	89.90	359.80	11,644.6	3,648.0	1,877.5	529,756.62	808,375.34	32° 27' 12.201 N	103° 28' 3.413 W
15,344.0	90.00	359.90	11,644.7	3,742.0	1,877.3	529,850.62	808,375.09	32° 27' 13.132 N	103° 28' 3.407 W
15,438.0	90.10	0.00	11,644.6	3,836.0	1,877.2	529,944.62	808,375.01	32° 27' 14.062 N	103° 28' 3.399 W
15,533.0	90.70	359.90	11,643.9	3,931.0	1,877.1	530,039.61	808,374.93	32° 27' 15.002 N	103° 28' 3.391 W
15,627.0	93.10	0.70	11,640.8	4,025.0	1,877.6	530,133.55	808,375.42	32° 27' 15.931 N	103° 28' 3.376 W
15,721.0	94.20	0.50	11,634.8	4,118.8	1,878.6	530,227.36	808,376.40	32° 27' 16.859 N	103° 28' 3.356 W
15,816.0	92.30	0.50	11,629.4	4,213.6	1,879.4	530,322.20	808,377.23	32° 27' 17.797 N	103° 28' 3.337 W
15,909.0	92.90	0.50	11,625.2	4,306.5	1,880.2	530,415.10	808,378.04	32° 27' 18.717 N	103° 28' 3.319 W
16,004.0	91.20	1.00	11,621.8	4,401.4	1,881.5	530,510.02	808,379.28	32° 27' 19.656 N	103° 28' 3.295 W
16,097.0	89.80	0.80	11,621.0	4,494.4	1,882.9	530,603.01	808,380.74	32° 27' 20.576 N	103° 28' 3.270 W
16,191.0	87.70	0.80	11,623.0	4,588.4	1,884.3	530,696.97	808,382.05	32° 27' 21.505 N	103° 28' 3.245 W
16,285.0	91.00	0.10	11,624.1	4,682.3	1,885.0	530,790.95	808,382.79	32° 27' 22.435 N	103° 28' 3.228 W
16,379.0	88.50	0.20	11,624.5	4,776.3	1,885.2	530,884.94	808,383.04	32° 27' 23.365 N	103° 28' 3.216 W
16,473.0	87.80	0.60	11,627.6	4,870.3	1,885.9	530,978.89	808,383.69	32° 27' 24.295 N	103° 28' 3.200 W
16,568.0	90.30	0.60	11,629.1	4,965.3	1,886.9	531,073.86	808,384.69	32° 27' 25.234 N	103° 28' 3.179 W
16,592.0	90.80	1.30	11,628.9	4,989.3	1,887.3	531,097.86	808,385.09	32° 27' 25.472 N	103° 28' 3.172 W
16,626.0	89.06	1.16	11,628.9	5,023.2	1,888.0	531,131.85	808,385.82	32° 27' 25.808 N	103° 28' 3.160 W
Section Crossing 16626' MD/11628' TVD (0.200' FNL, 379.11' FEL of Section 28)									
16,686.0	86.00	0.90	11,631.5	5,083.2	1,889.1	531,191.77	808,386.89	32° 27' 26.401 N	103° 28' 3.142 W
16,781.0	89.70	0.40	11,635.1	5,178.1	1,890.2	531,286.68	808,387.97	32° 27' 27.340 N	103° 28' 3.121 W
16,875.0	91.70	1.80	11,633.9	5,272.1	1,892.0	531,380.65	808,389.77	32° 27' 28.269 N	103° 28' 3.091 W
16,969.0	93.00	359.90	11,630.1	5,366.0	1,893.4	531,474.56	808,391.16	32° 27' 29.198 N	103° 28' 3.066 W
17,063.0	93.30	359.50	11,624.9	5,459.8	1,892.9	531,568.41	808,390.67	32° 27' 30.127 N	103° 28' 3.062 W
17,158.0	91.30	359.50	11,621.1	5,554.7	1,892.0	531,663.33	808,389.84	32° 27' 31.066 N	103° 28' 3.063 W
17,252.0	89.70	359.60	11,620.3	5,648.7	1,891.3	531,757.32	808,389.11	32° 27' 31.996 N	103° 28' 3.063 W
17,346.0	88.80	359.80	11,621.5	5,742.7	1,890.8	531,851.31	808,388.61	32° 27' 32.926 N	103° 28' 3.060 W
17,440.0	89.10	359.40	11,623.2	5,836.7	1,890.2	531,945.29	808,387.96	32° 27' 33.856 N	103° 28' 3.058 W
17,535.0	90.50	0.00	11,623.6	5,931.7	1,889.7	532,040.29	808,387.46	32° 27' 34.796 N	103° 28' 3.055 W
17,629.0	89.00	359.40	11,624.0	6,025.7	1,889.2	532,134.28	808,386.97	32° 27' 35.726 N	103° 28' 3.052 W
17,723.0	87.80	359.00	11,626.6	6,119.6	1,887.9	532,228.23	808,385.66	32° 27' 36.656 N	103° 28' 3.058 W
17,818.0	85.20	358.80	11,632.4	6,214.4	1,886.0	532,323.03	808,383.84	32° 27' 37.594 N	103° 28' 3.071 W
17,912.0	84.70	358.60	11,640.7	6,308.0	1,883.9	532,416.64	808,381.71	32° 27' 38.521 N	103° 28' 3.087 W
18,007.0	84.70	358.50	11,649.5	6,402.6	1,881.5	532,511.20	808,379.32	32° 27' 39.457 N	103° 28' 3.108 W
18,102.0	85.40	358.10	11,657.7	6,497.2	1,878.7	532,605.81	808,376.51	32° 27' 40.393 N	103° 28' 3.129 W
18,196.0	86.00	358.30	11,664.7	6,590.9	1,875.8	532,699.50	808,373.57	32° 27' 41.320 N	103° 28' 3.155 W
18,288.0	89.90	359.00	11,668.0	6,682.8	1,873.6	532,791.39	808,371.40	32° 27' 42.229 N	103° 28' 3.171 W
18,382.0	90.90	359.10	11,667.3	6,776.8	1,872.0	532,885.38	808,369.84	32° 27' 43.160 N	103° 28' 3.181 W
18,476.0	88.80	358.90	11,667.6	6,870.8	1,870.4	532,979.36	808,368.20	32° 27' 44.090 N	103° 28' 3.191 W
18,570.0	89.10	358.30	11,669.3	6,964.7	1,868.1	533,073.31	808,365.91	32° 27' 45.019 N	103° 28' 3.209 W
18,665.0	88.40	358.90	11,671.4	7,059.7	1,865.8	533,168.26	808,363.59	32° 27' 45.959 N	103° 28' 3.227 W
18,759.0	89.30	358.90	11,673.3	7,153.6	1,864.0	533,262.22	808,361.78	32° 27' 46.889 N	103° 28' 3.239 W
18,854.0	86.10	359.80	11,677.1	7,248.5	1,862.9	533,357.13	808,360.70	32° 27' 47.828 N	103° 28' 3.243 W
18,948.0	87.00	359.90	11,682.7	7,342.4	1,862.7	533,450.96	808,360.46	32° 27' 48.756 N	103° 28' 3.237 W
19,042.0	86.90	0.20	11,687.7	7,436.2	1,862.7	533,544.82	808,360.54	32° 27' 49.685 N	103° 28' 3.227 W
19,136.0	86.90	359.50	11,692.8	7,530.1	1,862.5	533,638.68	808,360.30	32° 27' 50.614 N	103° 28' 3.221 W
19,231.0	89.10	359.40	11,696.1	7,625.0	1,861.6	533,733.62	808,359.38	32° 27' 51.553 N	103° 28' 3.223 W
19,325.0	90.30	358.40	11,696.6	7,719.0	1,859.8	533,827.59	808,357.58	32° 27' 52.483 N	103° 28' 3.235 W
19,420.0	90.30	359.60	11,696.1	7,814.0	1,858.1	533,922.58	808,355.92	32° 27' 53.423 N	103° 28' 3.245 W
19,515.0	92.00	359.90	11,694.2	7,909.0	1,857.7	534,017.55	808,355.51	32° 27' 54.363 N	103° 28' 3.241 W
19,608.0	93.40	359.60	11,689.8	8,001.8	1,857.3	534,110.45	808,355.10	32° 27' 55.282 N	103° 28' 3.237 W
19,703.0	91.60	0.20	11,685.7	8,096.7	1,857.1	534,205.35	808,354.94	32° 27' 56.221 N	103° 28' 3.230 W
19,796.0	86.90	359.80	11,686.9	8,189.7	1,857.1	534,298.32	808,354.94	32° 27' 57.141 N	103° 28' 3.221 W
19,890.0	90.00	359.60	11,689.5	8,283.7	1,856.6	534,392.27	808,354.44	32° 27' 58.071 N	103° 28' 3.218 W

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Survey Report - Geographic

Company:	Devon Energy Corporation	Local Co-ordinate Reference:	Well Chiles 28-21 State Com 1H
Project:	Lea County, NM (NAD 83)	TVD Reference:	RKB (Nabors X20) + GL @ 3744.0usft
Site:	Sec 28 - 21S - 34E	MD Reference:	RKB (Nabors X20) + GL @ 3744.0usft
Well:	Chiles 28-21 State Com 1H	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
19,984.0	91.80	359.60	11,688.0	8,377.7	1,856.0	534,486.25	808,353.79	32° 27' 59.001 N	103° 28' 3.217 W
20,079.0	92.60	359.00	11,684.3	8,472.6	1,854.8	534,581.17	808,352.63	32° 27' 59.940 N	103° 28' 3.221 W
20,173.0	93.10	359.30	11,679.7	8,566.4	1,853.4	534,675.05	808,351.24	32° 28' 0.869 N	103° 28' 3.229 W
20,267.0	93.60	359.00	11,674.2	8,660.3	1,852.0	534,768.88	808,349.84	32° 28' 1.798 N	103° 28' 3.236 W
20,361.0	94.40	359.10	11,667.6	8,754.0	1,850.5	534,862.63	808,348.29	32° 28' 2.725 N	103° 28' 3.245 W
20,456.0	95.80	359.60	11,659.2	8,848.6	1,849.4	534,957.25	808,347.22	32° 28' 3.662 N	103° 28' 3.249 W
20,550.0	94.20	0.40	11,651.0	8,942.3	1,849.4	535,050.89	808,347.22	32° 28' 4.588 N	103° 28' 3.240 W
20,644.0	91.70	359.20	11,646.1	9,036.2	1,849.1	535,144.75	808,346.89	32° 28' 5.517 N	103° 28' 3.235 W
20,738.0	92.30	359.30	11,642.9	9,130.1	1,847.9	535,238.69	808,345.66	32° 28' 6.446 N	103° 28' 3.240 W
20,836.0	91.30	359.30	11,639.8	9,228.0	1,846.7	535,336.63	808,344.46	32° 28' 7.416 N	103° 28' 3.245 W
20,931.0	90.10	359.60	11,638.6	9,323.0	1,845.7	535,431.62	808,343.55	32° 28' 8.356 N	103° 28' 3.247 W
21,025.0	90.90	359.10	11,637.8	9,417.0	1,844.7	535,525.61	808,342.48	32° 28' 9.286 N	103° 28' 3.250 W
21,119.0	92.10	358.50	11,635.3	9,510.9	1,842.7	535,619.55	808,340.52	32° 28' 10.215 N	103° 28' 3.264 W
21,212.0	92.90	359.30	11,631.3	9,603.8	1,840.9	535,712.44	808,338.73	32° 28' 11.135 N	103° 28' 3.276 W
21,307.0	91.70	358.80	11,627.5	9,698.7	1,839.4	535,807.35	808,337.16	32° 28' 12.074 N	103° 28' 3.286 W
21,400.0	92.30	358.30	11,624.2	9,791.7	1,837.0	535,900.26	808,334.81	32° 28' 12.993 N	103° 28' 3.304 W
21,494.0	93.10	357.80	11,619.8	9,885.5	1,833.8	535,994.10	808,331.61	32° 28' 13.922 N	103° 28' 3.333 W
21,589.0	94.10	357.40	11,613.8	9,980.2	1,829.8	536,088.83	808,327.64	32° 28' 14.860 N	103° 28' 3.370 W
21,684.0	94.70	356.70	11,606.5	10,074.8	1,825.0	536,183.43	808,322.77	32° 28' 15.796 N	103° 28' 3.418 W
21,778.0	95.80	356.30	11,597.9	10,168.3	1,819.3	536,276.86	808,317.05	32° 28' 16.721 N	103° 28' 3.476 W
21,807.0	96.06	356.04	11,594.9	10,197.0	1,817.3	536,305.64	808,315.13	32° 28' 17.006 N	103° 28' 3.496 W
LTP 21807' MD/11594' TVD(99.98' FNL, 404.69' FEL of Section 21)									
21,834.0	96.30	355.80	11,592.0	10,223.8	1,815.4	536,332.41	808,313.22	32° 28' 17.271 N	103° 28' 3.515 W
Last MWD Survey									

Survey Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
200.0	200.0	-0.5	-0.3	First MWD Survey
11,058.0	10,888.2	-199.6	1,739.2	KOP 11058' MD/10888' TVD (58.62' FSL, 572.56' FEL of Section 28)
11,245.0	11,067.3	-157.9	1,767.5	FTP 11245' MD/11067' TVD (99.95' FSL, 543.92' FEL of Section 28)
16,626.0	11,628.9	5,023.2	1,888.0	Section Crossing 16626' MD/11628' TVD (0.200' FNL, 379.11' FEL of Section 28)
21,807.0	11,594.9	10,197.0	1,817.3	LTP 21807' MD/11594' TVD(99.98' FNL, 404.69' FEL of Section 21)
21,834.0	11,592.0	10,223.8	1,815.4	Last MWD Survey

Checked By: _____ Approved By: _____ Date: _____

HALLIBURTON

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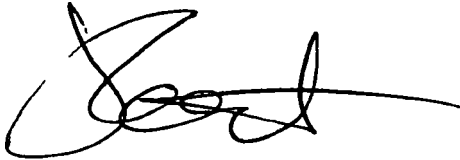
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State of New Mexico, Lea County

I, Jim Short certify that I am employed by Halliburton Energy Services, Inc. (aka Sperry Drilling) and that on the dates of January 31, 2018 through February 11, 2019, I did conduct or supervise the taking of MWD directional surveys for the Chiles 28 -21 State Com 1H well from a depth of 200' MD to a depth of 10824' 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 Com 1H 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