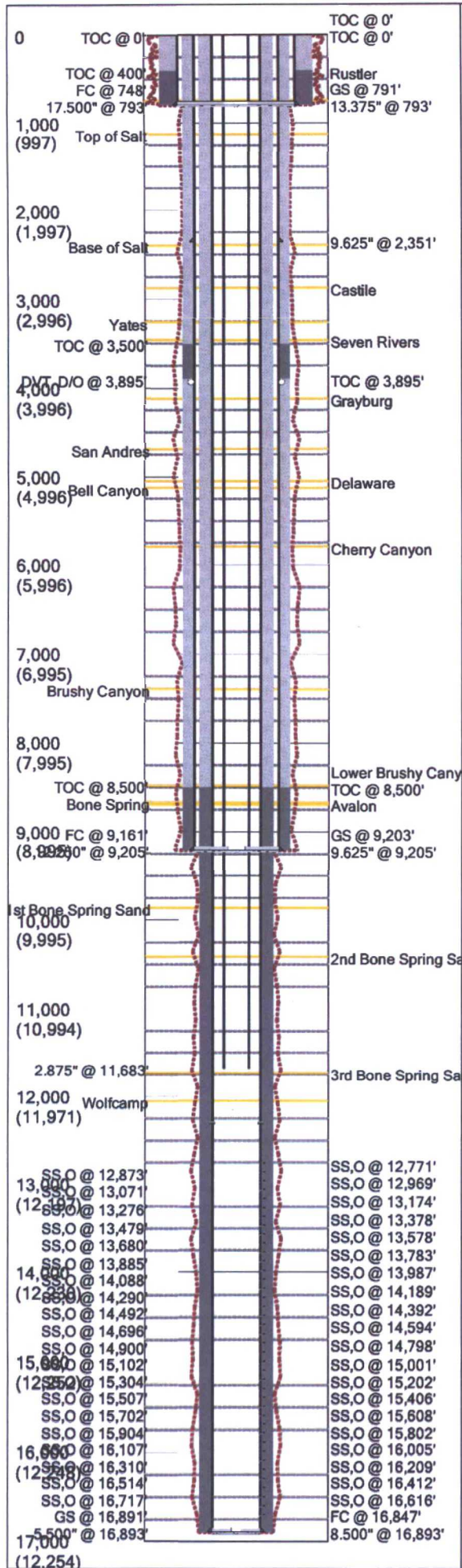


30-025-43752

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Field Name		Lease Name		Well No.
Dogle Draw		Sioux 36 State		1H
County		State		API No.
Lea		New Mexico		30025437520000
Version		Version Tag		
1				
GL (ft)	KB (ft)	Section	Township/Block	Range/Survey
3,107.0	3,132.0	36	25S	35E
Operator		Well Status	Latitude	Longitude
Caza Operating		Completed	32.093953	-103.328453
Dist. N/S (ft)	N/S Line	Dist. E/W (ft)	E/W Line	Footage From
50	FNL	400	FWL	SECTION
Prop Num		Spud Date	Comp. Date	
317657		5/30/2017		
Additional Information				
Other 1				
Other 2				
Other 3				
Other 4				
Prepared By		Updated By		Last Updated
Steve		Steve		11/19/2017 6:50 AM

Hole Summary				
Date	O.D. (in)	Top (MD ft)	Bottom (MD ft)	Comments
5/30/2017	17.500	0	793	
6/8/2017	12.250	793	9,205	
7/1/2017	8.500	9,205	16,893	

Tubular Summary						
Date	Description	O.D. (in)	Wt (lb/ft)	Grade	Top (MD ft)	Bottom (MD ft)
5/31/2017	Surface Casing	13.375	54.50	J55	0	793
6/11/2017	Intermediate Casing	9.625	40.00	J55	0	2,351
6/11/2017	Intermediate Casing	9.625	47.00	HCL80	2,351	9,205
7/3/2017	Production Casing	5.500	20.00	HCP10	0	16,893
10/2/2017	Tubing	2.875	6.50	L80	0	11,683

Casing Cement Summary						
C	Date	No. Sx	Csg. O.D. (in)	Top (MD ft)	Bottom (MD ft)	Comments
	5/31/2017	385	13.375	0	400	Circulated 254sx to surface
	5/31/2017	335	13.375	400	793	
	6/11/2017	720	9.625	0	3,500	Circulate 10sx to surface
	6/11/2017	165	9.625	3,500	3,895	
	6/11/2017	1,350	9.625	3,895	8,500	
	6/11/2017	335	9.625	8,500	9,205	
	7/3/2017	760	5.500	0	8,500	CBL TOC 2765
	7/3/2017	795	5.500	8,500	16,893	

Tools/Problems Summary						
Date	Tool Type	O.D. (in)	I.D. (in)	Top (MD ft)	Bottom (MD ft)	
5/31/2017	FC	13.375	0.000	748		0
5/31/2017	GS	13.375	0.000	791		0
6/11/2017	DVT, D/O	9.625	0.000	3,895		0
6/11/2017	FC	9.625	0.000	9,161		0
6/11/2017	GS	9.625	0.000	9,203		0
7/3/2017	Mkr Jt	5.500	0.000	12,290	12,312	
7/3/2017	SS,O	5.500	0.000	12,771	12,779	
7/3/2017	SS,O	5.500	0.000	12,873	12,881	
7/3/2017	SS,O	5.500	0.000	12,969	12,977	
7/3/2017	SS,O	5.500	0.000	13,071	13,079	
7/3/2017	SS,O	5.500	0.000	13,174	13,182	
7/3/2017	SS,O	5.500	0.000	13,276	13,284	
7/3/2017	SS,O	5.500	0.000	13,378	13,386	
7/3/2017	SS,O	5.500	0.000	13,479	13,487	
7/3/2017	SS,O	5.500	0.000	13,578	13,586	
7/3/2017	SS,O	5.500	0.000	13,680	13,688	
7/3/2017	SS,O	5.500	0.000	13,783	13,790	
7/3/2017	SS,O	5.500	0.000	13,885	13,893	
7/3/2017	SS,O	5.500	0.000	13,987	13,995	
7/3/2017	SS,O	5.500	0.000	14,088	14,096	
7/3/2017	SS,O	5.500	0.000	14,189	14,196	
7/3/2017	SS,O	5.500	0.000	14,290	14,298	
7/3/2017	SS,O	5.500	0.000	14,392	14,399	

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Date	Tool Type	O.D. (in)	I.D. (in)	Top (MD ft)	Bottom (MD ft)
7/3/2017	SS,O	5.500	0.000	14,492	14,500
7/3/2017	SS,O	5.500	0.000	14,594	14,602
7/3/2017	SS,O	5.500	0.000	14,696	14,704
7/3/2017	SS,O	5.500	0.000	14,798	14,806
7/3/2017	SS,O	5.500	0.000	14,900	14,907
7/3/2017	SS,O	5.500	0.000	15,001	15,008
7/3/2017	SS,O	5.500	0.000	15,102	15,109
7/3/2017	SS,O	5.500	0.000	15,202	15,210
7/3/2017	SS,O	5.500	0.000	15,304	15,311
7/3/2017	SS,O	5.500	0.000	15,406	15,413
7/3/2017	SS,O	5.500	0.000	15,507	15,514
7/3/2017	SS,O	5.500	0.000	15,608	15,615
7/3/2017	SS,O	5.500	0.000	15,702	15,709
7/3/2017	SS,O	5.500	0.000	15,802	15,810
7/3/2017	SS,O	5.500	0.000	15,904	15,912
7/3/2017	SS,O	5.500	0.000	16,005	16,014
7/3/2017	SS,O	5.500	0.000	16,107	16,115
7/3/2017	SS,O	5.500	0.000	16,209	16,216
7/3/2017	SS,O	5.500	0.000	16,310	16,318
7/3/2017	SS,O	5.500	0.000	16,412	16,420
7/3/2017	SS,O	5.500	0.000	16,514	16,522
7/3/2017	SS,O	5.500	0.000	16,616	16,624
7/3/2017	SS,O	5.500	0.000	16,717	16,725
7/3/2017	FC	5.500	0.000	16,847	0
7/3/2017	GS	5.500	0.000	16,891	0

Formation Tops Summary

Formation	Top (TVD ft)	Comments
Rustler	744	
Top of Salt	1,124	
Base of Salt	2,390	
Castile	2,870	
Yates	3,253	
Seven Rivers	3,457	
Grayburg	4,120	
San Andres	4,687	
Delaware	5,048	
Bell Canyon	5,123	
Cherry Canyon	5,793	
Brushy Canyon	7,386	
Lower Brushy Canyon	8,471	
Bone Spring	8,661	
Avalon	8,685	
1st Bone Spring Sand	9,855	
2nd Bone Spring Sand	10,406	
3rd Bone Spring Sand	11,721	
Wolfcamp	12,011	

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Field Name		Lease Name		Well No.	County		State		API No.	
Dogie Draw		Sioux 36 State		1H	Lea		New Mexico		30025437520000	
Version	Version Tag				Spud Date		Comp. Date		GL (ft)	KB (ft)
1					5/30/2017				3,107.0	3,132.0
Section	Township/Block	Range/Survey		Dist. N/S (ft)	N/S Line	Dist. E/W (ft)	E/W Line	Footage From		
36	25S	35E		50	FNL	400	FWL	SECTION		
Operator			Well Status			Latitude		Longitude		Prop Num
Caza Operating			Completed			32.093953		-103.328453		317657
Other 1		Other 2			Other 3			Other 4		
Last Updated		Prepared By				Updated By				
11/19/2017 6:50 AM		Steve				Steve				
Additional Information										

Hole Summary

Date	O.D. (in)	Top (MD ft)	Bottom (MD ft)	Comments
5/30/2017	17.500	0	793	
6/8/2017	12.250	793	9,205	
7/1/2017	8.500	9,205	16,893	

Tubular Summary

Date	Description	No. Jts	O.D. (in)	Wt (lb/ft)	Grade	Top (MD ft)	Bottom (MD ft)	Comments
5/31/2017	Surface Casing	19	13.375	54.50	J55	0	793	
6/11/2017	Intermediate Casing	52	9.625	40.00	J55	0	2,351	
6/11/2017	Intermediate Casing	167	9.625	47.00	HCL80	2,351	9,205	
7/3/2017	Production Casing	371	5.500	20.00	HCP110	0	16,893	
10/2/2017	Tubing	352	2.875	6.50	L80	0	11,683	

Casing Cement Summary

C	Date	No. Sx	Yield (ft3/sk)	Vol. (ft3)	Csg. O.D. (in)	Top (MD ft)	Bottom (MD ft)	Description	Comments
	5/31/2017	385	1.68	647	13.375	0	400	13.7ppg Class C ExtendaCem CZ	Circulated 254sx to surface
	5/31/2017	335	1.35	452	13.375	400	793	14.8ppg Class C HalCem C	
	6/11/2017	720	2.80	2,016	9.625	0	3,500	11ppg Class C NeoCem ILS	Circulate 10sx to surface
	6/11/2017	165	1.33	219	9.625	3,500	3,895	14.8ppg Class C HalCem C	
	6/11/2017	1,350	2.81	3,794	9.625	3,895	8,500	11ppg NeoCem IL Class C	
	6/11/2017	335	1.47	491	9.625	8,500	9,205	Class C NeoCem IT	
	7/3/2017	760	2.79	2,120	5.500	0	8,500	11.5ppg Class H EconoCem	CBL TOC 2765
	7/3/2017	795	2.16	1,717	5.500	8,500	16,893	14.5ppg Class H NeoCem AS	

Tools/Problems Summary

Date	Tool Type	O.D. (in)	I.D. (in)	Top (MD ft)	Bottom (MD ft)	Description	Comments
5/31/2017	Float Collar	13.375	0.000	748	0		
5/31/2017	Guide Shoe	13.375	0.000	791	0		
6/11/2017	DV tool (drilled out)	9.625	0.000	3,895	0		
6/11/2017	Float Collar	9.625	0.000	9,161	0		
6/11/2017	Guide Shoe	9.625	0.000	9,203	0		
7/3/2017	Marker Joint	5.500	0.000	12,290	12,312		
7/3/2017	Sliding Sleeve (open)	5.500	0.000	12,771	12,779	Baker Hughes Optiport Sleeve	Stage 40
7/3/2017	Sliding Sleeve (open)	5.500	0.000	12,873	12,881	Baker Hughes Optiport Sleeve	Stage 39
7/3/2017	Sliding Sleeve (open)	5.500	0.000	12,969	12,977	Baker Hughes Optiport Sleeve	Stage 38
7/3/2017	Sliding Sleeve (open)	5.500	0.000	13,071	13,079	Baker Hughes Optiport Sleeve	Stage 37
7/3/2017	Sliding Sleeve (open)	5.500	0.000	13,174	13,182	Baker Hughes Optiport Sleeve	Stage 36
7/3/2017	Sliding Sleeve (open)	5.500	0.000	13,276	13,284	Baker Hughes Optiport Sleeve	Stage 35
7/3/2017	Sliding Sleeve (open)	5.500	0.000	13,378	13,386	Baker Hughes Optiport Sleeve	Stage 34
7/3/2017	Sliding Sleeve (open)	5.500	0.000	13,479	13,487	Baker Hughes Optiport Sleeve	Stage 33
7/3/2017	Sliding Sleeve (open)	5.500	0.000	13,578	13,586	Baker Hughes Optiport Sleeve	Stage 32
7/3/2017	Sliding Sleeve (open)	5.500	0.000	13,680	13,688	Baker Hughes Optiport Sleeve	Stage 31
7/3/2017	Sliding Sleeve (open)	5.500	0.000	13,783	13,790	Baker Hughes Optiport Sleeve	Stage 30
7/3/2017	Sliding Sleeve (open)	5.500	0.000	13,885	13,893	Baker Hughes Optiport Sleeve	Stage 29
7/3/2017	Sliding Sleeve (open)	5.500	0.000	13,987	13,995	Baker Hughes Optiport Sleeve	Stage 28
7/3/2017	Sliding Sleeve (open)	5.500	0.000	14,088	14,096	Baker Hughes Optiport Sleeve	Stage 27
7/3/2017	Sliding Sleeve (open)	5.500	0.000	14,189	14,196	Baker Hughes Optiport Sleeve	Stage 26
7/3/2017	Sliding Sleeve (open)	5.500	0.000	14,290	14,298	Baker Hughes Optiport Sleeve	Stage 25

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Date	Tool Type	O.D. (in)	I.D. (in)	Top (MD ft)	Bottom (MD ft)	Description	Comments
7/3/2017	Sliding Sleeve (open)	5.500	0.000	14,392	14,399	Baker Hughes Optiport Sleeve	Stage 24
7/3/2017	Sliding Sleeve (open)	5.500	0.000	14,492	14,500	Baker Hughes Optiport Sleeve	Stage 23
7/3/2017	Sliding Sleeve (open)	5.500	0.000	14,594	14,602	Baker Hughes Optiport Sleeve	Stage 22
7/3/2017	Sliding Sleeve (open)	5.500	0.000	14,696	14,704	Baker Hughes Optiport Sleeve	Stage 21
7/3/2017	Sliding Sleeve (open)	5.500	0.000	14,798	14,806	Baker Hughes Optiport Sleeve	Stage 20
7/3/2017	Sliding Sleeve (open)	5.500	0.000	14,900	14,907	Baker Hughes Optiport Sleeve	Stage 19
7/3/2017	Sliding Sleeve (open)	5.500	0.000	15,001	15,008	Baker Hughes Optiport Sleeve	Stage 18
7/3/2017	Sliding Sleeve (open)	5.500	0.000	15,102	15,109	Baker Hughes Optiport Sleeve	Stage 17
7/3/2017	Sliding Sleeve (open)	5.500	0.000	15,202	15,210	Baker Hughes Optiport Sleeve	Stage 16
7/3/2017	Sliding Sleeve (open)	5.500	0.000	15,304	15,311	Baker Hughes Optiport Sleeve	Stage 15
7/3/2017	Sliding Sleeve (open)	5.500	0.000	15,406	15,413	Baker Hughes Optiport Sleeve	Stage 14
7/3/2017	Sliding Sleeve (open)	5.500	0.000	15,507	15,514	Baker Hughes Optiport Sleeve	Stage 13
7/3/2017	Sliding Sleeve (open)	5.500	0.000	15,608	15,615	Baker Hughes Optiport Sleeve	Stage 12
7/3/2017	Sliding Sleeve (open)	5.500	0.000	15,702	15,709	Baker Hughes Optiport Sleeve	Stage 11
7/3/2017	Sliding Sleeve (open)	5.500	0.000	15,802	15,810	Baker Hughes Optiport Sleeve	Stage 10
7/3/2017	Sliding Sleeve (open)	5.500	0.000	15,904	15,912	Baker Hughes Optiport Sleeve	Stage 9
7/3/2017	Sliding Sleeve (open)	5.500	0.000	16,005	16,014	Baker Hughes Optiport Sleeve	Stage 8
7/3/2017	Sliding Sleeve (open)	5.500	0.000	16,107	16,115	Baker Hughes Optiport Sleeve	Stage 7
7/3/2017	Sliding Sleeve (open)	5.500	0.000	16,209	16,216	Baker Hughes Optiport Sleeve	Stage 6
7/3/2017	Sliding Sleeve (open)	5.500	0.000	16,310	16,318	Baker Hughes Optiport Sleeve	Stage 5
7/3/2017	Sliding Sleeve (open)	5.500	0.000	16,412	16,420	Baker Hughes Optiport Sleeve	Stage 4
7/3/2017	Sliding Sleeve (open)	5.500	0.000	16,514	16,522	Baker Hughes Optiport Sleeve	Stage 3
7/3/2017	Sliding Sleeve (open)	5.500	0.000	16,616	16,624	Baker Hughes Optiport Sleeve	Stage 2
7/3/2017	Sliding Sleeve (open)	5.500	0.000	16,717	16,725	Baker Hughes Optiport Sleeve	Stage 1
7/3/2017	Float Collar	5.500	0.000	16,847	0		
7/3/2017	Guide Shoe	5.500	0.000	16,891	0		

Formation Top Summary

Formation Name	Top(TVD ft)	Comments
Rustler	744	
Top of Salt	1,124	
Base of Salt	2,390	
Castile	2,870	
Yates	3,253	
Seven Rivers	3,457	
Grayburg	4,120	
San Andres	4,687	
Delaware	5,048	
Bell Canyon	5,123	
Cherry Canyon	5,793	
Brushy Canyon	7,386	
Lower Brushy Canyon	8,471	
Bone Spring	8,661	
Avalon	8,685	
1st Bone Spring Sand	9,855	
2nd Bone Spring Sand	10,406	
3rd Bone Spring Sand	11,721	
Wolfcamp	12,011	

Field Name		Lease Name	Well No.	API No.	Version	Version Tag	
Dogie Draw		Sioux 36 State	1H	30025437520000	1		
Section	Township/Block	Range/Survey	County		State	GL (ft)	KB (ft)
36	25S	35E	Lea		New Mexico	3,107.0	3,132.0
Target N (-S) (ft)		Target E (-W) (ft)	Latitude	Longitude	Operator	Well Status	
-4842.59		38.33871	32.093953	-103.328453	Caza Operating	Completed	
Additional Information							

Measured Depth (ft)	Inclination (deg)	Azimuth (deg)	TVD (ft)	Vertical Section (ft)	Coordinate N (-S) (ft)	Coordinate E (-W) (ft)	DLS (deg/100 ft)
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
184.0	2.2	267.2	184.0	0.1	-0.2	-3.5	1.18
368.0	3.5	268.4	367.7	0.4	-0.5	-12.6	0.74
552.0	5.9	259.6	551.1	2.1	-2.4	-27.6	1.34
738.0	6.5	253.1	736.0	6.8	-7.1	-47.1	0.50
897.0	3.0	230.9	894.4	11.9	-12.4	-58.9	2.46
1,078.0	1.0	226.5	1,075.3	15.9	-16.4	-63.7	1.08
1,264.0	1.6	240.1	1,261.3	18.4	-18.9	-67.2	0.37
1,453.0	0.3	315.3	1,450.3	19.3	-19.8	-69.9	0.84
1,642.0	0.8	5.0	1,639.2	17.5	-18.1	-70.2	0.36
1,831.0	0.8	351.8	1,828.2	14.9	-15.4	-70.3	0.10
2,020.0	0.9	356.0	2,017.2	12.1	-12.7	-70.5	0.08
2,209.0	1.6	91.8	2,206.2	10.7	-11.2	-68.0	1.02
2,399.0	1.2	78.2	2,396.1	10.4	-10.9	-63.4	0.28
2,588.0	2.0	64.8	2,585.0	8.7	-9.1	-58.5	0.45
2,778.0	3.6	68.5	2,774.8	5.2	-5.6	-50.1	0.86
2,968.0	2.7	74.2	2,964.5	1.9	-2.2	-40.2	0.49
3,157.0	2.0	63.6	3,153.4	-0.8	0.5	-32.9	0.42
3,346.0	3.4	76.9	3,342.2	-3.5	3.3	-24.5	0.77
3,536.0	1.3	78.8	3,532.0	-5.1	5.0	-17.0	1.07
3,726.0	0.9	71.5	3,721.9	-6.0	5.9	-13.3	0.22
3,916.0	0.6	297.9	3,911.9	-6.9	6.8	-12.8	0.74
4,106.0	1.0	321.8	4,101.9	-8.6	8.5	-14.6	0.25
4,294.0	2.3	303.9	4,289.8	-12.0	11.8	-18.7	0.74
4,483.0	1.7	37.8	4,478.8	-16.3	16.1	-20.0	1.55
4,673.0	0.9	22.0	4,668.7	-19.9	19.8	-17.7	0.45
4,862.0	1.1	354.9	4,857.7	-23.2	23.1	-17.3	0.28
5,052.0	1.3	330.3	5,047.6	-26.9	26.7	-18.5	0.27
5,243.0	1.1	323.9	5,238.6	-30.1	29.9	-20.6	0.12
5,433.0	0.9	330.7	5,428.6	-32.9	32.7	-22.4	0.08
5,622.0	0.9	325.9	5,617.6	-35.4	35.2	-23.9	0.06
5,813.0	0.8	342.5	5,808.5	-37.9	37.7	-25.1	0.13
6,002.0	0.7	347.6	5,997.5	-40.2	40.0	-25.8	0.09
6,190.0	0.6	3.9	6,185.5	-42.3	42.1	-25.9	0.10
6,380.0	0.5	5.7	6,375.5	-44.2	44.0	-25.8	0.08
6,570.0	0.4	12.8	6,565.5	-45.5	45.3	-25.6	0.07
6,759.0	0.4	45.7	6,754.5	-46.6	46.4	-24.9	0.13
6,949.0	0.6	49.1	6,944.5	-47.8	47.6	-23.6	0.11
7,139.0	0.6	58.0	7,134.5	-49.0	48.9	-21.9	0.05
7,328.0	0.6	63.8	7,323.5	-50.0	49.8	-20.1	0.04
7,498.0	0.9	78.8	7,493.4	-50.7	50.5	-18.0	0.17
7,688.0	0.9	120.9	7,683.4	-50.1	50.0	-15.3	0.34
7,877.0	0.9	118.0	7,872.4	-48.6	48.5	-12.7	0.03
8,067.0	0.7	185.7	8,062.4	-46.7	46.6	-11.5	0.48
8,257.0	1.1	192.6	8,252.4	-43.8	43.7	-12.0	0.20
8,446.0	1.3	188.6	8,441.3	-39.9	39.8	-12.7	0.12
8,635.0	1.0	156.8	8,630.3	-36.3	36.2	-12.3	0.36
8,825.0	1.3	135.1	8,820.2	-33.2	33.1	-10.2	0.25
9,014.0	2.2	128.2	9,009.2	-29.4	29.4	-5.9	0.51
9,151.0	2.3	128.1	9,146.1	-26.1	26.1	-1.6	0.07
9,303.0	2.6	126.2	9,297.9	-22.2	22.2	3.5	0.19
9,493.0	1.9	119.9	9,487.8	-18.0	18.1	9.6	0.38
9,682.0	1.0	104.9	9,676.7	-16.0	16.2	13.9	0.52
9,871.0	1.4	86.2	9,865.7	-15.8	15.9	17.7	0.29
10,061.0	2.1	83.6	10,055.6	-16.2	16.4	23.4	0.35
10,251.0	1.2	131.3	10,245.5	-15.3	15.5	28.2	0.80

Measured Depth (ft)	Inclination (deg)	Azimuth (deg)	TVD (ft)	Vertical Section (ft)	Coordinate N (-S) (ft)	Coordinate E (-W) (ft)	DLS (deg/100 ft)
10,441.0	1.3	137.4	10,435.5	-12.4	12.6	31.1	0.09
10,631.0	1.5	106.8	10,625.4	-10.1	10.3	34.9	0.40
10,820.0	1.3	86.9	10,814.4	-9.4	9.8	39.4	0.27
11,010.0	1.1	313.0	11,004.4	-10.8	11.1	40.3	1.17
11,200.0	0.9	340.1	11,194.3	-13.5	13.9	38.4	0.27
11,388.0	1.6	319.4	11,382.3	-17.1	17.3	36.1	0.44
11,577.0	1.6	320.2	11,571.2	-21.1	21.4	32.7	0.04
11,668.0	7.0	201.5	11,662.0	-16.9	17.2	29.9	8.64
11,700.0	7.0	212.6	11,693.8	-13.5	13.7	28.1	4.24
11,747.0	12.2	218.0	11,740.1	-7.2	7.4	23.5	11.22
11,795.0	18.1	209.2	11,786.4	3.3	-3.2	16.7	13.17
11,842.0	21.8	204.3	11,830.6	17.6	-17.5	9.6	8.52
11,890.0	24.3	195.1	11,874.7	35.2	-35.2	3.3	9.14
11,938.0	27.0	198.3	11,918.0	55.0	-55.1	-2.7	6.37
11,985.0	31.9	195.5	11,958.9	77.1	-77.2	-9.3	10.68
12,033.0	36.8	190.8	11,998.6	103.4	-103.5	-15.4	11.70
12,079.0	43.3	184.8	12,033.8	132.6	-132.8	-19.3	16.35
12,127.0	47.8	182.9	12,067.4	166.8	-167.0	-21.6	9.75
12,174.0	52.9	181.9	12,097.4	202.9	-203.1	-23.1	11.06
12,222.0	59.2	182.2	12,124.2	242.7	-242.9	-24.5	13.11
12,269.0	66.1	179.8	12,145.8	284.4	-284.6	-25.1	15.36
12,316.0	72.2	177.3	12,162.5	328.3	-328.5	-24.0	13.90
12,364.0	78.5	175.9	12,174.6	374.6	-374.8	-21.3	13.31
12,395.0	83.9	175.2	12,179.4	405.2	-405.3	-18.9	17.76
12,461.0	87.3	174.0	12,184.5	470.7	-470.8	-12.7	5.38
12,555.0	88.8	173.9	12,187.8	564.2	-564.2	-2.8	1.61
12,650.0	89.0	174.4	12,189.6	658.8	-658.7	6.9	0.54
12,746.0	89.5	176.2	12,190.9	754.5	-754.4	14.8	1.95
12,841.0	88.4	176.9	12,192.6	849.3	-849.2	20.5	1.35
12,936.0	88.2	177.2	12,195.4	944.2	-944.0	25.4	0.43
13,031.0	88.2	178.5	12,198.4	1,039.1	-1,038.9	28.9	1.35
13,126.0	87.6	178.0	12,201.9	1,134.0	-1,133.8	31.8	0.87
13,221.0	87.2	177.2	12,206.2	1,228.9	-1,228.6	35.7	0.90
13,315.0	87.2	179.5	12,210.8	1,322.7	-1,322.5	38.4	2.39
13,409.0	87.0	179.0	12,215.6	1,416.6	-1,416.3	39.6	0.60
13,504.0	88.9	180.7	12,219.0	1,511.5	-1,511.3	39.9	2.71
13,599.0	89.0	181.3	12,220.8	1,606.5	-1,606.2	38.2	0.63
13,693.0	88.8	181.2	12,222.7	1,700.4	-1,700.2	36.1	0.20
13,788.0	89.0	180.5	12,224.5	1,795.4	-1,795.2	34.7	0.80
13,883.0	88.6	180.8	12,226.5	1,890.4	-1,890.1	33.7	0.60
13,978.0	87.9	179.6	12,229.4	1,985.3	-1,985.1	33.3	1.49
14,072.0	87.1	179.7	12,233.5	2,079.2	-2,079.0	33.9	0.84
14,166.0	88.4	178.1	12,237.2	2,173.1	-2,172.9	35.7	2.17
14,262.0	87.2	177.6	12,240.9	2,269.0	-2,268.8	39.3	1.34
14,356.0	89.3	180.3	12,243.8	2,362.9	-2,362.7	41.0	3.62
14,451.0	89.4	179.9	12,244.8	2,457.9	-2,457.7	40.9	0.41
14,546.0	90.3	183.0	12,245.1	2,552.9	-2,552.6	38.4	3.39
14,641.0	89.7	181.7	12,245.1	2,647.7	-2,647.6	34.5	1.54
14,736.0	89.6	181.7	12,245.8	2,742.7	-2,742.5	31.7	0.11
14,831.0	88.6	181.5	12,247.3	2,837.6	-2,837.5	29.0	1.01
14,926.0	88.4	182.2	12,249.8	2,932.5	-2,932.4	26.0	0.81
15,020.0	88.3	180.7	12,252.6	3,026.4	-3,026.3	23.6	1.62
15,115.0	89.2	180.7	12,254.7	3,121.4	-3,121.3	22.5	1.03
15,210.0	91.7	179.5	12,253.9	3,216.3	-3,216.3	22.3	2.88
15,305.0	91.6	180.2	12,251.2	3,311.3	-3,311.2	22.5	0.78
15,400.0	91.4	178.9	12,248.7	3,406.3	-3,406.2	23.3	1.47
15,495.0	91.5	179.7	12,246.3	3,501.2	-3,501.1	24.5	0.86
15,590.0	90.1	178.7	12,245.0	3,596.2	-3,596.1	25.8	1.71
15,685.0	89.5	178.0	12,245.3	3,691.2	-3,691.1	28.6	1.03
15,780.0	89.9	178.4	12,245.8	3,786.2	-3,786.0	31.6	0.57
15,874.0	89.7	179.3	12,246.2	3,880.2	-3,880.0	33.5	1.06
15,969.0	89.1	178.2	12,247.3	3,975.1	-3,975.0	35.6	1.38
16,064.0	88.4	178.6	12,249.4	4,070.1	-4,069.9	38.2	0.89
16,158.0	88.2	177.8	12,252.2	4,164.0	-4,163.8	41.2	0.91
16,253.0	88.1	178.9	12,255.3	4,259.0	-4,258.7	43.9	1.23
16,347.0	88.8	179.5	12,257.9	4,352.9	-4,352.7	45.2	0.98
16,442.0	90.1	180.6	12,258.8	4,447.9	-4,447.7	45.0	1.81

Measured Depth (ft)	Inclination (deg)	Azimuth (deg)	TVD (ft)	Vertical Section (ft)	Coordinate N (-S) (ft)	Coordinate E (-W) (ft)	DLS (deg/100 ft)
16,537.0	90.0	180.4	12,258.8	4,542.9	-4,542.7	44.2	0.28
16,632.0	91.6	181.2	12,257.5	4,637.9	-4,637.7	42.8	1.89
16,727.0	90.3	181.5	12,255.9	4,732.8	-4,732.6	40.6	1.33
16,821.0	90.5	181.1	12,255.2	4,826.7	-4,826.6	38.5	0.42
16,837.0	90.3	180.2	12,255.0	4,842.7	-4,842.6	38.3	5.75