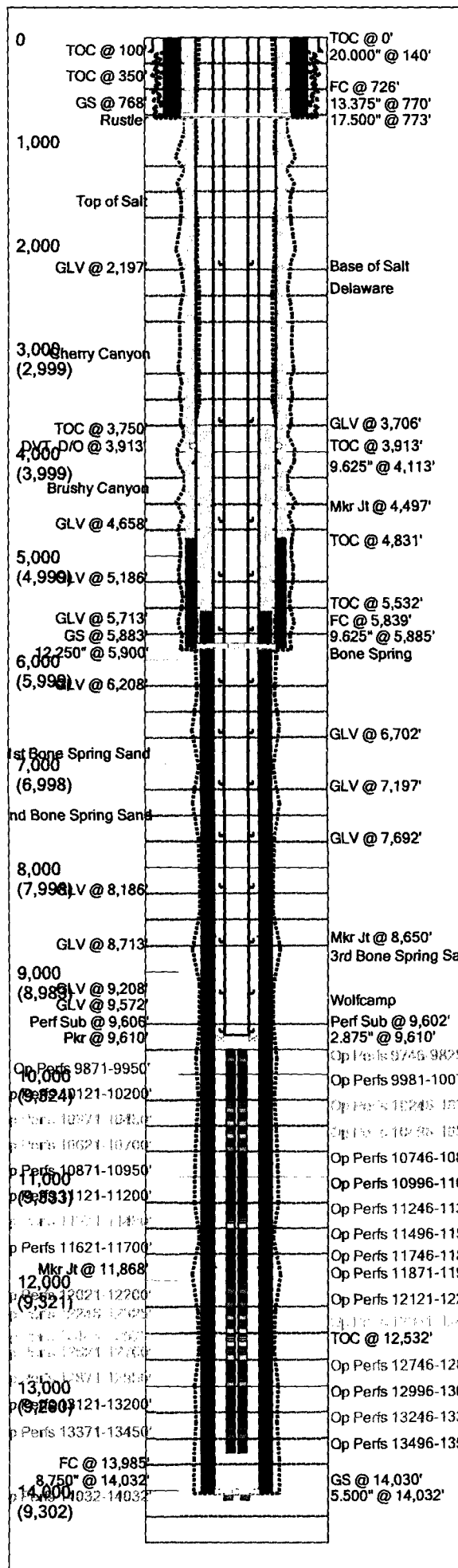


NM OIL CONSERVATION
ARTESIA DISTRICT
JUN 26 2017

RECEIVED



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Field Name	Lease Name	Well No.
Black River	Mad River 13 State	4H
County	State	API No.
Eddy	New Mexico	3001544042
Version	Version Tag	
1	Completed	
GL (ft)	KB (ft)	Section
3,090.0	3,112.0	13
		24S
		27E
Operator	Well Status	Latitude
Caza Operating	Completed	32.211695
		-104.136059
Dist. N/S (ft)	N/S Line	Dist. E/W (ft)
1987	FSL	100
		FEL
		SECTION
Prop Num	Spud Date	Comp. Date
39924	2/14/2017	4/11/2017
Additional Information		
Other 1	Other 2	Other 3
		Other 4
Prepared By	Updated By	Last Updated
Steve	Steve	6/23/2017 8:03 AM

Hole Summary

Date	O.D. (in)	Top (MD ft)	Bottom (MD ft)	Comments
2/15/2017	17.500	140	773	
2/20/2017	12.250	773	5,900	
3/10/2017	8.750	9	14,032	

Tubular Summary

Date	Description	O.D. (in)	Wt (lb/ft)	Grade	Top (MD ft)	Bottom (MD ft)
2/10/2017	Conductor Casing	20.000	94.00		0	140
2/15/2017	Surface Casing	13.375	54.50	J55	0	770
2/20/2017	Intermediate Casing	9.625	40.00	J55	0	4,113
2/20/2017	Intermediate Casing	9.625	40.00	L80	4,113	5,885
3/11/2017	Production Casing	5.500	20.00	HCP1 10	0	14,032
4/18/2017	Tubing	2.875	6.50	L80	0	9,610

Casing Cement Summary

C	Date	No. Sx	Csg. O.D. (in)	Top (MD ft)	Bottom (MD ft)	Comments
	2/15/2017	400	13.375	0	350	TOC - Surface - top job
	2/15/2017	800	13.375	350	770	
	2/21/2017	965	9.625	100	3,913	TOC - 100' - Temp log
	2/21/2017	445	9.625	3,913	4,831	
	2/21/2017	435	9.625	4,831	5,885	
	3/11/2017	660	5.500	3,750	5,532	TOC - 3750' - CBL
	3/11/2017	1,290	5.500	5,532	12,532	
	3/11/2017	150	5.500	12,532	14,032	

Tools/Problems Summary

Date	Tool Type	O.D. (in)	I.D. (in)	Top (MD ft)	Bottom (MD ft)
2/15/2017	FC	13.375	0.000	726	0
2/15/2017	GS	13.375	0.000	768	0
4/18/2017	GLV	2.875	0.000	2,197	0
4/18/2017	GLV	2.875	0.000	3,706	0
2/20/2017	DVT, D/O	9.625	0.000	3,913	0
3/11/2017	Mkr Jt	5.500	0.000	4,497	4,518
4/18/2017	GLV	2.875	0.000	4,658	0
4/18/2017	GLV	2.875	0.000	5,186	0
4/18/2017	GLV	2.875	0.000	5,713	0
2/20/2017	FC	9.625	0.000	5,839	0
2/20/2017	GS	9.625	0.000	5,883	0
4/18/2017	GLV	2.875	0.000	6,208	0
4/18/2017	GLV	2.875	0.000	6,702	0
4/18/2017	GLV	2.875	0.000	7,197	0
4/18/2017	GLV	2.875	0.000	7,692	0
4/18/2017	GLV	2.875	0.000	8,186	0
3/11/2017	Mkr Jt	5.500	0.000	8,650	8,671
4/18/2017	GLV	2.875	0.000	8,713	0
4/18/2017	GLV	2.875	0.000	9,208	0
4/18/2017	GLV	2.875	0.000	9,572	0
4/18/2017	Perf Sub	2.875	0.000	9,602	9,606
4/18/2017	Perf Sub	2.875	0.000	9,606	9,610
4/18/2017	Pkr	4.780	2.875	9,610	0
3/11/2017	Mkr Jt	5.500	0.000	11,868	11,887

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Date	Tool Type	O.D. (in)	I.D. (in)	Top (MD ft)	Bottom (MD ft)
3/11/2017	FC	5.500	0.000	13,985	0
3/11/2017	GS	5.500	0.000	14,030	0

Perforation Summary

C	Date	Perf. Status	Formation	OA Top (MD ft)	OA Bottom (MD ft)	Shots
	4/5/2017	Open	Wolfcamp	9,746	9,825	128
	4/5/2017	Open	Wolfcamp	9,871	9,950	128
	4/5/2017	Open	Wolfcamp	9,981	10,075	128
	4/5/2017	Open	Wolfcamp	10,121	10,200	128
	4/5/2017	Open	Wolfcamp	10,246	10,325	128
	4/5/2017	Open	Wolfcamp	10,371	10,450	128
	4/4/2017	Open	Wolfcamp	10,496	10,575	128
	4/4/2017	Open	Wolfcamp	10,621	10,700	128
	4/4/2017	Open	Wolfcamp	10,746	10,825	128
	4/4/2017	Open	Wolfcamp	10,871	10,950	128
	4/4/2017	Open	Wolfcamp	10,996	11,075	128
	4/4/2017	Open	Wolfcamp	11,121	11,200	128
	4/4/2017	Open	Wolfcamp	11,246	11,325	128
	4/4/2017	Open	Wolfcamp	11,371	11,450	128
	4/3/2017	Open	Wolfcamp	11,496	11,575	128
	4/3/2017	Open	Wolfcamp	11,621	11,700	128
	4/3/2017	Open	Wolfcamp	11,746	11,825	128
	4/3/2017	Open	Wolfcamp	11,871	11,950	128
	4/3/2017	Open	Wolfcamp	12,021	12,200	128
	4/2/2017	Open	Wolfcamp	12,121	12,200	128
	4/2/2017	Open	Wolfcamp	12,246	12,325	128
	4/2/2017	Open	Wolfcamp	12,371	12,450	128
	4/2/2017	Open	Wolfcamp	12,446	12,575	128
	4/2/2017	Open	Wolfcamp	12,621	12,700	128
	4/2/2017	Open	Wolfcamp	12,746	12,825	128
	4/2/2017	Open	Wolfcamp	12,871	12,950	128
	4/2/2017	Open	Wolfcamp	12,996	13,075	128
	4/2/2017	Open	Wolfcamp	13,121	13,200	128
	4/2/2017	Open	Wolfcamp	13,246	13,325	128
	4/2/2017	Open	Wolfcamp	13,371	13,450	128
	4/1/2017	Open	Wolfcamp	13,496	13,575	128
	4/1/2017	Open	Wolfcamp	14,032	14,032	1

Formation Tops Summary

Formation	Top (TVD ft)	Comments
Rustler	772	
Top of Salt	1,559	
Base of Salt	2,194	
Delaware	2,397	
Cherry Canyon	3,034	
Brushy Canyon	4,321	
Bone Spring	5,914	
1st Bone Spring Sand	6,875	
2nd Bone Spring Sand	7,465	
3rd Bone Spring Sand	8,820	
Wolfcamp	9,149	

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Field Name		Lease Name		Well No.	County	State	API No.	
Black River		Mad River 13 State		4H	Eddy	New Mexico	30015440420000	
Version	Version Tag				Spud Date	Comp. Date	GL (ft)	KB (ft)
1 Completed					2/14/2017	4/11/2017	3,090.0	3,112.0
Section	Township/Block	Range/Survey	Dist. N/S (ft)	N/S Line	Dist. E/W (ft)	E/W Line	Footage From	
13	24S	27E	1,987	FSL	100	FEL	SECTION	
Operator			Well Status		Latitude	Longitude	Prop Num	
Caza Operating			Completed		32.211695	-104.136059	39924	
Other 1		Other 2		Other 3		Other 4		
Last Updated		Prepared By			Updated By			
06/23/2017 8:03 AM		Steve			Steve			
Additional Information								

Hole Summary

Date	O.D. (in)	Top (MD ft)	Bottom (MD ft)	Comments
2/15/2017	17.500	140	773	
2/20/2017	12.250	773	5,900	
3/10/2017	8.750	9	14,032	

Tubular Summary

Date	Description	No. Jts	O.D. (in)	Wt (lb/ft)	Grade	Top (MD ft)	Bottom (MD ft)	Comments
2/10/2017	Conductor Casing		20.000	94.00		0	140	
2/15/2017	Surface Casing	19	13.375	54.50	J55	0	770	
2/20/2017	Intermediate Casing	94	9.625	40.00	J55	0	4,113	
2/20/2017	Intermediate Casing	42	9.625	40.00	L80	4,113	5,885	
3/11/2017	Production Casing	312	5.500	20.00	HCP110	0	14,032	
4/18/2017	Tubing	291	2.875	6.50	L80	0	9,610	

Casing Cement Summary

C	Date	No. Sx	Yield (ft3/sk)	Vol. (ft3)	Csg. O.D. (in)	Top (MD ft)	Bottom (MD ft)	Description	Comments
	2/15/2017	400	1.34	536	13.375	0	350	14.8ppg Class C	TOC - Surface - top job
	2/15/2017	800	1.34	1,072	13.375	350	770	14.8ppg Class C + 2% CaCl2 + 0.25# Celloflake	
	2/21/2017	965	2.06	1,988	9.625	100	3,913	12.7ppg Class C + 10% salt + 6% gel + 2% CPT-45 + 0.25# Celloflake	TOC - 100' - Temp log
	2/21/2017	445	2.06	917	9.625	3,913	4,831	12.7ppg 35/65 Poz C + 10% salt + 6% gel + 2% CPT-45 + 0.25# Celloflake + 0.25% CPT-20A	
	2/21/2017	435	1.33	579	9.625	4,831	5,885	14.8ppg Class C + 0.2% CPT-19 + 0.2% CPT-20A	
	3/11/2017	660	3.18	2,099	5.500	3,750	5,532	11ppg 50/50 Poz H + 5# salt + 1# CPT-19 + 2# CPT-45 + 0.25# CPT-503P + 5# Gypsum + 0.25# CPT-20A + 0.25# Citric Acid	TOC - 3750' - CBL
	3/11/2017	1,290	1.35	1,742	5.500	5,532	12,532	14.4ppg 25/75 Poz H + 5# salt + 0.5# CPT-19 + 0.2# CD-3 + 0.25# CPT-503P + 0.4# CPT-49 + 0.25# CPT-20A	
	3/11/2017	150	2.56	384	5.500	12,532	14,032	15ppg Class H + 100# CaCl2 + 0.5# CPT-47B + 0.3# CD-3 + 0.55# CPT-49 + 0.3# CPT-23 + 0.2# CPT-51	

Tools/Problems Summary

Date	Tool Type	O.D. (in)	I.D. (in)	Top (MD ft)	Bottom (MD ft)	Description	Comments
2/15/2017	Float Collar	13.375	0.000	726	0		
2/15/2017	Guide Shoe	13.375	0.000	768	0		
4/18/2017	Gas Lift Valve	2.875	0.000	2,197	0		
4/18/2017	Gas Lift Valve	2.875	0.000	3,706	0		
2/20/2017	DV tool (drilled out)	9.625	0.000	3,913	0		
3/11/2017	Marker Joint	5.500	0.000	4,497	4,518		
4/18/2017	Gas Lift Valve	2.875	0.000	4,658	0		
4/18/2017	Gas Lift Valve	2.875	0.000	5,186	0		
4/18/2017	Gas Lift Valve	2.875	0.000	5,713	0		
2/20/2017	Float Collar	9.625	0.000	5,839	0		
2/20/2017	Guide Shoe	9.625	0.000	5,883	0		
4/18/2017	Gas Lift Valve	2.875	0.000	6,208	0		
4/18/2017	Gas Lift Valve	2.875	0.000	6,702	0		
4/18/2017	Gas Lift Valve	2.875	0.000	7,197	0		
4/18/2017	Gas Lift Valve	2.875	0.000	7,692	0		
4/18/2017	Gas Lift Valve	2.875	0.000	8,186	0		
3/11/2017	Marker Joint	5.500	0.000	8,650	8,671		
4/18/2017	Gas Lift Valve	2.875	0.000	8,713	0		
4/18/2017	Gas Lift Valve	2.875	0.000	9,208	0		
4/18/2017	Gas Lift Valve	2.875	0.000	9,572	0		

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Date	Tool Type	O.D. (in)	I.D. (in)	Top (MD ft)	Bottom (MD ft)	Description	Comments
4/18/2017	Perforated Sub	2.875	0.000	9,602	9,606		
4/18/2017	Perforated Sub	2.875	0.000	9,606	9,610		
4/18/2017	Packer	4.780	2.875	9,610	0		
3/11/2017	Marker Joint	5.500	0.000	11,868	11,887		
3/11/2017	Float Collar	5.500	0.000	13,985	0		
3/11/2017	Guide Shoe	5.500	0.000	14,030	0		

Perforation Summary

C	Date	Perf. Status	Formation	Comments		
	4/1/2017	Open	Wolfcamp	4524 bbls comprised of 18 bbls of 15% HCL, 18 bbls Rhino NSF, 1036 bbls Liberty FR, 465 bbls fresh water, 30 bbls treated water, and 2957 bbls 16# Justice. Pumped 31,100# 40/70W, 227,260# 20/40W, and 0# 20/40 CRC. AR-75bpm, MaxR-77bpm, AP-5539#		
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	14,032	14,032	1	1	0	4524 bbls comprised of 18 bbls of 15% HCL, 18 bbls Rhino NSF, 1036 bbls Liberty FR, 465 bbls fresh water, 30 bbls treated water, and 2957 bbls 16# Justice. Pumped 31,100# 40/70W, 227,260# 20/40W, and 0# 20/40 CRC. AR-75bpm, MaxR-77bpm, AP-5539#, MaxP-6140#. ISIP-2950#. FG-0.75
C	Date	Perf. Status	Formation	Comments		
	4/1/2017	Open	Wolfcamp	4238 bbls comprised of 18 bbls of 15% HCL, 17 bbls Rhino NSF, 499 bbls Liberty FR, 98 bbls fresh water, 269 bbls treated water, and 3338 bbls 16# Justice. Pumped 32,000# 40/70W, 225,080# 20/40W, and 36,860# 20/40 CRC. AR-76bpm, MaxR-77bpm, AP-5576#		
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	13,496	13,500	8	32	60	
	13,521	13,525	8	32	60	
	13,546	13,550	8	32	60	
	13,571	13,575	8	32	60	
C	Date	Perf. Status	Formation	Comments		
	4/2/2017	Open	Wolfcamp	3996 bbls comprised of 18 bbls of 15% HCL, 16 bbls Rhino NSF, 496 bbls Liberty FR, 96 bbls fresh water, 297 bbls treated water, and 3073 bbls 16# Justice. Pumped 32,120# 40/70W, 228,260# 20/40W, and 36,660# 20/40 CRC. AR-76bpm, MaxR-77bpm, AP-5836#		
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	13,371	13,375	8	32	60	
	13,396	13,400	8	32	60	
	13,421	13,425	8	32	60	
	13,446	13,450	8	32	60	
C	Date	Perf. Status	Formation	Comments		
	4/2/2017	Open	Wolfcamp	6595 bbls comprised of 18 bbls of 15% HCL, 18 bbls Rhino NSF, 654 bbls Liberty FR, 423 bbls fresh water, 276 bbls treated water, and 5205 bbls 16# Justice. Pumped 32,000# 40/70W, 227,440# 20/40W, and 36,760# 20/40 CRC. AR-71bpm, MaxR-77bpm, AP-6546#		
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	13,246	13,250	8	32	60	
	13,271	13,275	8	32	60	
	13,296	13,300	8	32	60	
	13,321	13,325	8	32	60	
C	Date	Perf. Status	Formation	Comments		
	4/2/2017	Open	Wolfcamp	4418 bbls comprised of 18 bbls of 15% HCL, 18 bbls Rhino NSF, 670 bbls Liberty FR, 92 bbls fresh water, 290 bbls treated water, and 3329 bbls 16# Justice. Pumped 31,000# 40/70W, 227,440# 20/40W, and 37,000# 20/40 CRC. AR-71bpm, MaxR-77bpm, AP-6486#		
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	13,121	13,125	8	32	60	
	13,147	13,151	8	32	60	
	13,171	13,175	8	32	60	
	13,196	13,200	8	32	60	
C	Date	Perf. Status	Formation	Comments		
	4/2/2017	Open	Wolfcamp	5996 bbls comprised of 18 bbls of 15% HCL, 18 bbls Rhino NSF, 1005 bbls Liberty FR, 228 bbls fresh water, 303 bbls treated water, and 4389 bbls 16# Justice. Pumped 75,100# 40/70W, 183,040# 20/40W, and 37,000# 20/40 CRC. AR-75bpm, MaxR-80bpm, AP-6197#		
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	12,996	13,000	8	32	60	
	13,021	13,025	8	32	60	
	13,046	13,050	8	32	60	
	13,071	13,075	8	32	60	
C	Date	Perf. Status	Formation	Comments		
	4/2/2017	Open	Wolfcamp	4333 bbls comprised of 18 bbls of 15% HCL, 25 bbls Rhino NSF, 485 bbls Liberty FR, 78 bbls fresh water, 278 bbls treated water, and 3448 bbls 16# Justice. Pumped 31,000# 40/70W, 227,040# 20/40W, and 35,120# 20/40 CRC. AR-75bpm, MaxR-76bpm, AP-6117#		
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments

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C	Date	Perf. Status	Formation		Comments	
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	12,871	12,875	8	32	60	
	12,896	12,900	8	32	60	
	12,921	12,925	8	32	60	
	12,946	12,950	8	32	60	
C	Date	Perf. Status	Formation		Comments	
	4/2/2017	Open	Wolfcamp		4061 bbls comprised of 18 bbls of 15% HCL, 18 bbls Rhino NSF, 497 bbls Liberty FR, 96 bbls fresh water, 263 bbls treated water, and 3169 bbls 16# Justice. Pumped 31,240# 40/70W, 227,020# 20/40W, and 36,700# 20/40 CRC. AR-75bpm, MaxR-77bpm, AP-5930#.	
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	12,746	12,750	8	32	60	
	12,771	12,775	8	32	60	
	12,796	12,800	8	32	60	
	12,821	12,825	8	32	60	
C	Date	Perf. Status	Formation		Comments	
	4/2/2017	Open	Wolfcamp		3947 bbls comprised of 18 bbls of 15% HCL, 18 bbls Rhino NSF, 487 bbls Liberty FR, 96 bbls fresh water, 243 bbls treated water, and 3085 bbls 16# Justice. Pumped 31,000# 40/70W, 229,060# 20/40W, and 36,000# 20/40 CRC. AR-76bpm, MaxR-77bpm, AP-5876#.	
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	12,621	12,625	8	32	60	
	12,646	12,650	8	32	60	
	12,671	12,675	8	32	60	
	12,696	12,700	8	32	60	
C	Date	Perf. Status	Formation		Comments	
	4/2/2017	Open	Wolfcamp		3983 bbls comprised of 22 bbls of 15% HCL, 18 bbls Rhino NSF, 479 bbls Liberty FR, 88 bbls fresh water, 215 bbls treated water, and 3179 bbls 16# Justice. Pumped 30,100# 40/70W, 227,220# 20/40W, and 34,980# 20/40 CRC. AR-75bpm, MaxR-77bpm, AP-5702#.	
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	12,446	12,500	8	32	60	
	12,521	12,525	8	32	60	
	12,546	12,550	8	32	60	
	12,571	12,575	8	32	60	
C	Date	Perf. Status	Formation		Comments	
	4/2/2017	Open	Wolfcamp		3845 bbls comprised of 18 bbls of 15% HCL, 18 bbls Rhino NSF, 472 bbls Liberty FR, 81 bbls fresh water, 210 bbls treated water, and 3045 bbls 16# Justice. Pumped 32,000# 40/70W, 227,220# 20/40W, and 35,000# 20/40 CRC. AR-75bpm, MaxR-77bpm, AP-5671#.	
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	12,371	12,375	8	32	60	
	12,396	12,400	8	32	60	
	12,421	12,425	8	32	60	
	12,446	12,450	8	32	60	
C	Date	Perf. Status	Formation		Comments	
	4/2/2017	Open	Wolfcamp		3893 bbls comprised of 18 bbls of 15% HCL, 18 bbls Rhino NSF, 465 bbls Liberty FR, 81 bbls fresh water, 199 bbls treated water, and 3112 bbls 16# Justice. Pumped 32,000# 40/70W, 227,040# 20/40W, and 35,200# 20/40 CRC. AR-75bpm, MaxR-78bpm, AP-5613#.	
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	12,246	12,250	8	32	60	
	12,271	12,275	8	32	60	
	12,296	12,300	8	32	60	
	12,321	12,325	8	32	60	
C	Date	Perf. Status	Formation		Comments	
	4/2/2017	Open	Wolfcamp		3849 bbls comprised of 17 bbls of 15% HCL, 18 bbls Rhino NSF, 448 bbls Liberty FR, 79 bbls fresh water, 200 bbls treated water, and 3087 bbls 16# Justice. Pumped 42,300# 40/70W, 227,080# 20/40W, and 35,220# 20/40 CRC. AR-75bpm, MaxR-79bpm, AP-5823#.	
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	12,121	12,125	8	32	60	
	12,146	12,150	8	32	60	
	12,171	12,175	8	32	60	
	12,196	12,200	8	32	60	
C	Date	Perf. Status	Formation		Comments	
	4/3/2017	Open	Wolfcamp		3872 bbls comprised of 13 bbls of 15% HCL, 18 bbls Rhino NSF, 465 bbls Liberty FR, 98 bbls fresh water, 204 bbls treated water, and 3074 bbls 16# Justice. Pumped 31,000# 40/70W, 227,480# 20/40W, and 36,000# 20/40 CRC. AR-76bpm, MaxR-77bpm, AP-5780#.	
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	12,021	12,025	8	32	60	
	12,046	12,050	8	32	60	

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C	Date	Perf. Status	Formation		Comments	
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	12,071	12,075	8	32	60	
	12,196	12,200	8	32	60	
C	Date	Perf. Status	Formation		Comments	
	4/3/2017	Open	Wolfcamp		4297 bbls comprised of 17 bbls of 15% HCL, 18 bbls Rhino NSF, 620 bbls Liberty FR, 78 bbls fresh water, 164 bbls treated water, and 3400 bbls 16# Justice. Pumped 29,000# 40/70W, 230,080# 20/40W, and 37,100# 20/40 CRC. AR-75bpm, MaxR-76bpm, AP-5679#	
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	11,871	11,875	8	32	60	
	11,896	11,900	8	32	60	
	11,921	11,925	8	32	60	
	11,946	11,950	8	32	60	
C	Date	Perf. Status	Formation		Comments	
	4/3/2017	Open	Wolfcamp		3937 bbls comprised of 13 bbls of 15% HCL, 18 bbls Rhino NSF, 457 bbls Liberty FR, 92 bbls fresh water, 146 bbls treated water, and 3213 bbls 16# Justice. Pumped 29,220# 40/70W, 226,820# 20/40W, and 37,780# 20/40 CRC. AR-75bpm, MaxR-79bpm, AP-5739#	
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	11,746	11,750	8	32	60	
	11,771	11,775	8	32	60	
	11,796	11,800	8	32	60	
	11,821	11,825	8	32	60	
C	Date	Perf. Status	Formation		Comments	
	4/3/2017	Open	Wolfcamp		3806 bbls comprised of 13 bbls of 15% HCL, 18 bbls Rhino NSF, 438 bbls Liberty FR, 98 bbls fresh water, 142 bbls treated water, and 3097 bbls 16# Justice. Pumped 29,000# 40/70W, 231,820# 20/40W, and 40,000# 20/40 CRC. AR-75bpm, MaxR-78bpm, AP-5804#	
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	11,621	11,625	8	32	60	
	11,646	11,650	8	32	60	
	11,671	11,675	8	32	60	
	11,696	11,700	8	32	60	
C	Date	Perf. Status	Formation		Comments	
	4/3/2017	Open	Wolfcamp		3796 bbls comprised of 13 bbls of 15% HCL, 18 bbls Rhino NSF, 415 bbls Liberty FR, 87 bbls fresh water, 137 bbls treated water, and 3126 bbls 16# Justice. Pumped 40,000# 40/70W, 227,180# 20/40W, and 36,400# 20/40 CRC. AR-75bpm, MaxR-77bpm, AP-5697#	
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	11,496	11,500	8	32	60	
	11,521	11,525	8	32	60	
	11,546	11,550	8	32	60	
	11,571	11,575	8	32	60	
C	Date	Perf. Status	Formation		Comments	
	4/4/2017	Open	Wolfcamp		fresh water, 140 bbls treated water, and 3441 bbls 16# Justice. Pumped 31,260# 40/70W, 227,980# 20/40W, and 34,700# 20/40 CRC. AR-75bpm, MaxR-77bpm, AP-5523#	
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	11,371	11,375	8	32	60	
	11,396	11,400	8	32	60	
	11,421	11,425	8	32	60	
	11,446	11,450	8	32	60	
C	Date	Perf. Status	Formation		Comments	
	4/4/2017	Open	Wolfcamp		3715 bbls comprised of 13 bbls of 15% HCL, 18 bbls Rhino NSF, 446 bbls Liberty FR, 95 bbls fresh water, 143 bbls treated water, and 3000 bbls 16# Justice. Pumped 29,000# 40/70W, 229,660# 20/40W, and 28,000# 20/40 CRC. AR-75bpm, MaxR-77bpm, AP-5535#	
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	11,246	11,250	8	32	60	
	11,271	11,275	8	32	60	
	11,296	11,300	8	32	60	
	11,321	11,325	8	32	60	
C	Date	Perf. Status	Formation		Comments	
	4/4/2017	Open	Wolfcamp		3848 bbls comprised of 18 bbls of 15% HCL, 18 bbls Rhino NSF, 448 bbls Liberty FR, 85 bbls fresh water, 136 bbls treated water, and 3143 bbls 16# Justice. Pumped 28,000# 40/70W, 227,140# 20/40W, and 41,520# 20/40 CRC. AR-75bpm, MaxR-77bpm, AP-5486#	
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	11,121	11,125	8	32	60	
	11,146	11,150	8	32	60	
	11,171	11,175	8	32	60	
	11,196	11,200	8	32	60	
C	Date	Perf. Status	Formation		Comments	

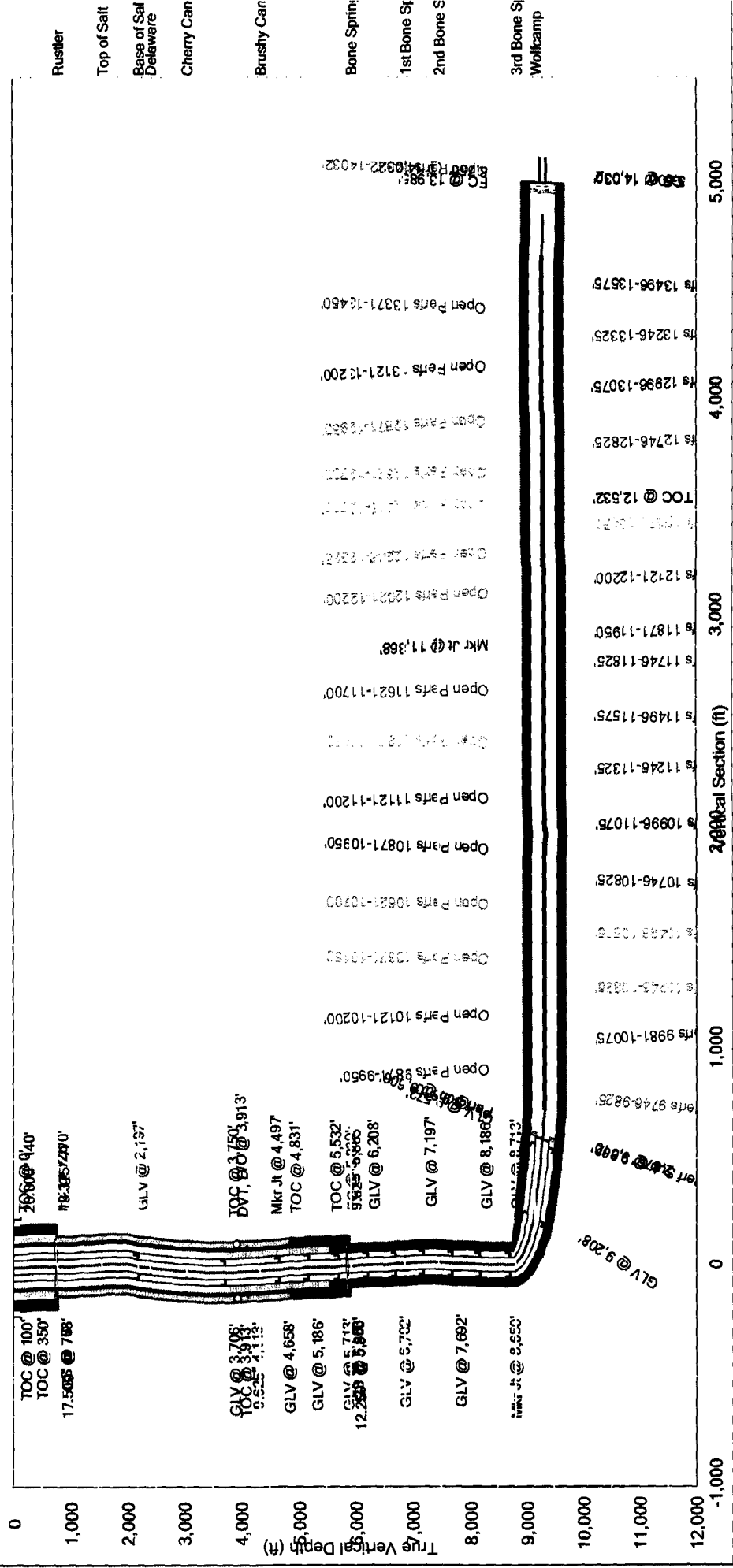
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C	Date	Perf. Status	Formation	Comments		
	4/4/2017	Open	Wolfcamp	3838 bbls comprised of 11 bbls of 15% HCL, 18 bbls Rhino NSF, 449 bbls Liberty FR, 103 bbls fresh water, 105 bbls treated water, and 3152 bbls 16# Justice. Pumped 31,080# 40/70W, 226,780# 20/40W, and 37,000# 20/40 CRC. AR-75bpm, MaxR-76bpm, AP-5430#.		
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	10,996	11,000	8	32	60	
	11,021	11,025	8	32	60	
	11,046	11,050	8	32	60	
	11,071	11,075	8	32	60	
C	Date	Perf. Status	Formation	Comments		
	4/4/2017	Open	Wolfcamp	3730 bbls comprised of 11 bbls of 15% HCL, 18 bbls Rhino NSF, 447 bbls Liberty FR, 103 bbls fresh water, 112 bbls treated water, and 3038 bbls 16# Justice. Pumped 31,000# 40/70W, 227,040# 20/40W, and 34,820# 20/40 CRC. AR-75bpm, MaxR-78bpm, AP-5429#		
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	10,871	10,875	8	32	60	
	10,896	10,900	8	32	60	
	10,921	10,925	8	32	60	
	10,946	10,950	8	32	60	
C	Date	Perf. Status	Formation	Comments		
	4/4/2017	Open	Wolfcamp	3898 bbls comprised of 9 bbls of 15% HCL, 18 bbls Rhino NSF, 417 bbls Liberty FR, 96 bbls fresh water, 129 bbls treated water, and 3229 bbls 16# Justice. Pumped 31,060# 40/70W, 231,060# 20/40W, and 34,820# 20/40 CRC. AR-75bpm, MaxR-77bpm, AP-5636#		
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	10,746	10,750	8	32	60	
	10,771	10,775	8	32	60	
	10,796	10,800	8	32	60	
	10,821	10,825	8	32	60	
C	Date	Perf. Status	Formation	Comments		
	4/4/2017	Open	Wolfcamp	3743 bbls comprised of 13 bbls of 15% HCL, 18 bbls Rhino NSF, 374 bbls Liberty FR, 105 bbls fresh water, 103 bbls treated water, and 3129 bbls 16# Justice. Pumped 31,000# 40/70W, 227,040# 20/40W, and 35,000# 20/40 CRC. AR-75bpm, MaxR-77bpm, AP-5608#		
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	10,621	10,625	8	32	60	
	10,646	10,650	8	32	60	
	10,671	10,675	8	32	60	
	10,696	10,700	8	32	60	
C	Date	Perf. Status	Formation	Comments		
	4/4/2017	Open	Wolfcamp	3713 bbls comprised of 16 bbls of 15% HCL, 18 bbls Rhino NSF, 382 bbls Liberty FR, 84 bbls fresh water, 107 bbls treated water, and 3106 bbls 16# Justice. Pumped 31,000# 40/70W, 226,960# 20/40W, and 34,860# 20/40 CRC. AR-75bpm, MaxR-78bpm, AP-5473#		
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	10,496	10,500	8	32	60	
	10,521	10,525	8	32	60	
	10,546	10,550	8	32	60	
	10,571	10,575	8	32	60	
C	Date	Perf. Status	Formation	Comments		
	4/5/2017	Open	Wolfcamp	3922 bbls comprised of 9 bbls of 15% HCL, 18 bbls Rhino NSF, 480 bbls Liberty FR, 81 bbls fresh water, 86 bbls treated water, and 3298 bbls 16# Justice. Pumped 31,020# 40/70W, 226,960# 20/40W, and 37,000# 20/40 CRC. AR-75bpm, MaxR-76bpm, AP-5334#		
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	10,371	10,375	8	32	60	
	10,396	10,400	8	32	60	
	10,421	10,425	8	32	60	
	10,446	10,450	8	32	60	
C	Date	Perf. Status	Formation	Comments		
	4/5/2017	Open	Wolfcamp	7364 bbls comprised of 10 bbls of 15% HCL, 18 bbls Rhino NSF, 2883 bbls Liberty FR, 78 bbls fresh water, 97 bbls treated water, and 4278 bbls 16# Justice. Pumped 31,00# 40/70W, 203,770# 20/40W, and 0# 20/40 CRC. AR-42bpm, MaxR-81bpm, AP-4809#		
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	10,246	10,250	8	32	60	
	10,271	10,275	8	32	60	
	10,296	10,300	8	32	60	
	10,321	10,325	8	32	60	
C	Date	Perf. Status	Formation	Comments		
	4/5/2017	Open	Wolfcamp	4032 bbls comprised of 8 bbls of 15% HCL, 18 bbls Rhino NSF, 261 bbls Liberty FR, 213 bbls fresh water, 89 bbls treated water, and 2443 bbls 16# Justice. Pumped 31,000# 40/70W, 226,920# 20/40W, and 40,700# 20/40 CRC. AR-75bpm, MaxR-76bpm, AP-5281#		

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C	Date	Perf. Status	Formation		Comments	
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	10,121	10,125	8	32	60	
	10,146	10,150	8	32	60	
	10,171	10,175	8	32	60	
	10,196	10,200	8	32	60	
C	Date	Perf. Status	Formation		Comments	
	4/5/2017	Open	Wolfcamp		3810 bbls comprised of 7 bbls of 15% HCL, 19 bbls Rhino NSF, 428 bbls Liberty FR, 95 bbls fresh water, 68 bbls treated water, and 3192 bbls 16# Justice. Pumped 31,060# 40/70W, 227,040# 20/40W, and 45,000# 20/40 CRC. AR-75bpm, MaxR-78bpm, AP-5658#	
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	9,981	9,985	8	32	60	
	10,011	10,015	8	32	60	
	10,041	10,045	8	32	60	
	10,071	10,075	8	32	60	
C	Date	Perf. Status	Formation		Comments	
	4/5/2017	Open	Wolfcamp		3610 bbls comprised of 26 bbls of 15% HCL, 24 bbls Rhino NSF, 368 bbls Liberty FR, 69 bbls fresh water, 63 bbls treated water, and 3061 bbls 16# Justice. Pumped 29,000# 40/70W, 226,960# 20/40W, and 40,220# 20/40 CRC. AR-75bpm, MaxR-76bpm, AP-5843#	
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	9,871	9,875	8	32	60	
	9,896	9,900	8	32	60	
	9,921	9,925	8	32	60	
	9,946	9,950	8	32	60	
C	Date	Perf. Status	Formation		Comments	
	4/5/2017	Open	Wolfcamp		3761 bbls comprised of 20 bbls of 15% HCL, 25 bbls Rhino NSF, 423 bbls Liberty FR, 61 bbls fresh water, 78 bbls treated water, and 3154 bbls 16# Justice. Pumped 30,140# 40/70W, 231,060# 20/40W, and 43,860# 20/40 CRC. AR-75bpm, MaxR-76bpm, AP-5365#	
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	9,746	9,750	8	32	60	
	9,771	9,775	8	32	60	
	9,796	9,800	8	32	60	
	9,821	9,825	8	32	60	
Formation Top Summary						
Formation Name		Top(TVD ft)	Comments			
Rustler		772				
Top of Salt		1,559				
Base of Salt		2,194				
Delaware		2,397				
Cherry Canyon		3,034				
Brushy Canyon		4,321				
Bone Spring		5,914				
1st Bone Spring Sand		6,875				
2nd Bone Spring Sand		7,465				
3rd Bone Spring Sand		8,820				
Wolfcamp		9,149				

Field Name	Lease Name	Well No.	County	State	API No.	Version	Version Tag	Spud Date	Comp. Date	G.L. (ft)	K.B. (ft)
Black River	Mad River 13 State	4H	Eddy	New Mexico	3001540420000	1	Completed	2/14/2017	4/11/2017	3,090.0	3,112.0
Sec.	Township/Block	Range/Survey	Dist. N/S (ft)	N/S Line	Dist. E/W (ft)	E/W Line	Footage From	Latitude	Longitude	Well Status	PropNum
13	24S	27E	1987	FSL	100	FEL		32.211695	-104.136059	Completed	39924
Last Updated	Prepared By	Updated By	Additional Information								
6/23/2017 8:03:22 AM	Steve	Steve									



Field Name		Lease Name	Well No.	API No.	Version	Version Tag	
Black River		Mad River 13 State	4H	30015440420000	1	Completed	
Section	Township/Block	Range/Survey	County		State	GL (ft)	KB (ft)
13	24S	27E	Eddy		New Mexico	3,090.0	3,112.0
Target N (-S) (ft)		Target E (-W) (ft)	Latitude	Longitude	Operator	Well Status	
-55.19867		-4856.284	32.211695	-104.136059	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
219.0	0.4	270.8	219.0	0.8	0.0	-0.8	0.18
347.0	0.7	195.0	347.0	1.4	-0.7	-1.4	0.56
516.0	1.2	203.1	516.0	2.4	-3.4	-2.4	0.31
691.0	0.7	192.4	690.9	3.4	-6.1	-3.3	0.30
868.0	1.1	206.1	867.9	4.4	-8.7	-4.3	0.26
1,052.0	1.5	202.5	1,051.9	6.1	-12.5	-6.0	0.22
1,239.0	1.2	211.5	1,238.8	8.1	-16.4	-8.0	0.20
1,430.0	1.1	254.8	1,429.8	11.0	-18.6	-10.8	0.45
1,621.0	0.9	307.3	1,620.8	13.9	-18.2	-13.7	0.47
1,811.0	0.6	327.6	1,810.7	15.6	-16.4	-15.5	0.21
2,002.0	1.5	66.4	2,001.7	13.9	-14.6	-13.7	0.89
2,192.0	3.2	97.8	2,191.6	6.3	-14.3	-6.2	1.09
2,382.0	2.2	57.3	2,381.4	-2.0	-13.1	2.2	1.10
2,571.0	1.8	50.2	2,570.3	-7.4	-9.2	7.5	0.25
2,760.0	1.8	46.5	2,759.2	-11.9	-5.3	11.9	0.06
2,949.0	1.6	45.9	2,948.1	-16.0	-1.4	16.0	0.11
3,140.0	1.5	42.4	3,139.0	-19.6	2.3	19.6	0.07
3,330.0	1.2	33.3	3,329.0	-22.4	5.8	22.3	0.19
3,520.0	1.2	31.9	3,518.9	-24.6	9.2	24.5	0.02
3,710.0	1.0	240.4	3,708.9	-24.2	10.0	24.1	1.12
3,900.0	1.1	240.7	3,898.9	-21.2	8.3	21.1	0.05
4,089.0	1.0	232.6	4,087.8	-18.2	6.4	18.2	0.09
4,279.0	1.0	253.4	4,277.8	-15.3	5.0	15.3	0.19
4,469.0	0.8	224.9	4,467.8	-12.8	3.6	12.7	0.25
4,659.0	0.9	252.2	4,657.8	-10.4	2.2	10.4	0.22
4,848.0	0.9	248.7	4,846.7	-7.6	1.2	7.6	0.03
5,038.0	0.7	242.4	5,036.7	-5.2	0.1	5.2	0.11
5,227.0	0.6	227.3	5,225.7	-3.4	-1.1	3.4	0.10
5,415.0	0.6	227.7	5,413.7	-1.9	-2.5	2.0	0.00
5,605.0	0.7	236.4	5,603.7	-0.2	-3.8	0.3	0.07
5,789.0	1.5	223.9	5,787.7	2.4	-6.1	-2.3	0.45
5,978.0	1.2	261.2	5,976.6	6.1	-8.2	-6.0	0.48
6,166.0	1.1	344.8	6,164.6	8.5	-6.8	-8.4	0.82
6,355.0	1.4	192.4	6,353.6	9.5	-7.3	-9.4	1.29
6,544.0	1.0	197.2	6,542.5	10.5	-11.1	-10.4	0.22
6,732.0	1.1	256.4	6,730.5	12.8	-13.1	-12.6	0.55
6,921.0	1.3	263.9	6,919.4	16.7	-13.7	-16.5	0.13
7,110.0	0.4	255.9	7,108.4	19.5	-14.1	-19.3	0.48
7,300.0	0.4	26.8	7,298.4	19.8	-13.7	-19.6	0.38
7,488.0	1.5	168.6	7,486.4	19.0	-15.5	-18.9	0.97
7,677.0	0.6	85.6	7,675.4	17.6	-17.9	-17.4	0.82
7,866.0	0.3	97.9	7,864.4	16.1	-17.9	-15.9	0.17
8,055.0	0.5	117.2	8,053.4	14.9	-18.3	-14.7	0.13
8,245.0	1.6	92.8	8,243.3	11.5	-18.8	-11.3	0.61
8,435.0	1.0	57.6	8,433.3	7.5	-18.1	-7.2	0.51
8,623.0	0.7	303.3	8,621.3	7.0	-16.6	-6.8	0.76
8,681.0	0.9	300.4	8,679.3	7.7	-16.1	-7.5	0.35
8,740.0	1.3	267.3	8,738.3	8.8	-15.9	-8.6	1.25
8,787.0	6.8	257.4	8,785.1	12.0	-16.6	-11.8	11.75
8,834.0	12.3	257.8	8,831.5	19.6	-18.2	-19.4	11.70
8,881.0	19.9	256.8	8,876.6	32.4	-21.1	-32.1	16.11
8,929.0	24.5	256.6	8,921.0	50.1	-25.3	-49.8	9.51
8,976.0	30.4	257.4	8,962.7	71.2	-30.1	-70.9	12.51
9,024.0	36.0	257.9	9,002.8	97.0	-35.8	-96.6	11.61
9,071.0	42.1	259.9	9,039.3	126.1	-41.4	-125.6	13.21

Measured Depth (ft)	Inclination (deg)	Azimuth (deg)	TVD (ft)	Vertical Section (ft)	Coordinate N (-S) (ft)	Coordinate E (-W) (ft)	DLS (deg/100 ft)
9,119.0	47.0	261.1	9,073.5	159.3	-47.0	-158.8	10.36
9,166.0	53.2	263.5	9,103.7	195.1	-51.8	-194.5	13.76
9,214.0	58.1	266.2	9,130.7	234.6	-55.3	-234.0	11.21
9,261.0	61.6	267.7	9,154.3	275.2	-57.4	-274.6	7.94
9,308.0	64.6	268.5	9,175.6	317.1	-58.8	-316.4	6.56
9,355.0	66.5	270.4	9,195.1	359.9	-59.2	-359.2	5.47
9,403.0	66.4	270.8	9,214.2	403.9	-58.8	-403.2	0.79
9,450.0	67.0	270.7	9,232.8	447.0	-58.2	-446.4	1.29
9,497.0	69.6	271.8	9,250.2	490.7	-57.2	-490.0	5.94
9,544.0	71.2	271.5	9,266.0	534.9	-56.0	-534.3	3.46
9,592.0	71.4	271.5	9,281.4	580.3	-54.8	-579.7	0.42
9,639.0	72.5	272.8	9,295.9	625.0	-53.1	-624.4	3.52
9,686.0	75.4	273.9	9,308.9	670.0	-50.5	-669.5	6.57
9,733.0	78.1	273.9	9,319.7	715.6	-47.4	-715.1	5.74
9,780.0	83.0	274.4	9,327.4	761.8	-44.0	-761.3	10.48
9,875.0	92.4	277.8	9,331.2	855.9	-33.9	-855.6	10.52
9,973.0	93.8	277.5	9,325.9	952.8	-20.9	-952.6	1.46
10,067.0	92.3	277.0	9,320.9	1,045.7	-9.0	-1,045.7	1.68
10,162.0	91.2	276.5	9,318.0	1,139.9	2.1	-1,140.0	1.27
10,257.0	88.9	274.3	9,317.9	1,234.4	11.1	-1,234.6	3.35
10,352.0	89.9	271.5	9,318.9	1,329.2	15.9	-1,329.4	3.13
10,447.0	88.7	269.4	9,320.1	1,424.1	16.6	-1,424.4	2.55
10,542.0	89.4	270.4	9,321.7	1,519.1	16.4	-1,519.4	1.28
10,638.0	89.3	269.4	9,322.8	1,615.1	16.3	-1,615.4	1.05
10,733.0	88.3	267.4	9,324.7	1,710.1	13.6	-1,710.3	2.35
10,828.0	87.4	266.9	9,328.3	1,804.9	8.9	-1,805.1	1.08
10,923.0	87.9	268.1	9,332.2	1,899.8	4.8	-1,900.0	1.37
11,018.0	90.3	270.4	9,333.7	1,994.8	3.5	-1,994.9	3.50
11,114.0	91.3	271.2	9,332.4	2,090.7	4.9	-2,090.9	1.33
11,209.0	91.3	270.9	9,330.2	2,185.7	6.6	-2,185.9	0.32
11,304.0	91.1	270.3	9,328.2	2,280.6	7.6	-2,280.8	0.67
11,399.0	89.6	268.7	9,327.6	2,375.6	6.8	-2,375.8	2.31
11,495.0	89.5	268.7	9,328.4	2,471.6	4.6	-2,471.8	0.10
11,590.0	89.6	269.2	9,329.1	2,566.6	2.9	-2,566.8	0.54
11,685.0	91.3	269.9	9,328.4	2,661.6	2.1	-2,661.8	1.94
11,780.0	89.7	266.6	9,327.6	2,756.5	-0.8	-2,756.7	3.86
11,875.0	92.0	267.3	9,326.1	2,851.4	-5.9	-2,851.6	2.53
11,970.0	92.2	267.2	9,322.7	2,946.3	-10.4	-2,946.4	0.24
12,065.0	92.4	268.0	9,318.8	3,041.2	-14.4	-3,041.2	0.87
12,160.0	92.0	268.4	9,315.2	3,136.1	-17.4	-3,136.1	0.60
12,256.0	91.6	268.7	9,312.2	3,232.0	-19.8	-3,232.0	0.52
12,351.0	91.3	268.3	9,309.8	3,327.0	-22.3	-3,327.0	0.53
12,446.0	91.3	268.8	9,307.6	3,422.0	-24.7	-3,421.9	0.53
12,541.0	91.0	269.4	9,305.7	3,517.0	-26.2	-3,516.9	0.71
12,635.0	90.7	269.9	9,304.3	3,610.9	-26.7	-3,610.9	0.62
12,731.0	91.3	269.7	9,302.7	3,706.9	-27.1	-3,706.9	0.66
12,826.0	92.3	268.9	9,299.7	3,801.9	-28.2	-3,801.8	1.35
12,921.0	93.5	269.1	9,294.9	3,896.8	-29.9	-3,896.7	1.28
13,016.0	93.5	269.9	9,289.1	3,991.6	-30.7	-3,991.5	0.84
13,081.0	92.7	269.8	9,285.5	4,056.5	-30.9	-4,056.4	1.24
13,207.0	93.0	270.7	9,279.3	4,182.3	-30.3	-4,182.2	0.75
13,302.0	89.8	267.4	9,277.0	4,277.2	-31.9	-4,277.2	4.84
13,397.0	88.4	266.8	9,278.5	4,372.2	-36.7	-4,372.0	1.60
13,492.0	88.0	267.0	9,281.4	4,467.0	-41.9	-4,466.8	0.47
13,587.0	88.1	267.6	9,284.7	4,561.9	-46.3	-4,561.7	0.64
13,682.0	87.9	267.9	9,288.0	4,656.8	-50.1	-4,656.5	0.38
13,777.0	87.5	268.6	9,291.8	4,751.7	-53.0	-4,751.4	0.85
13,801.0	87.3	268.8	9,292.9	4,775.7	-53.5	-4,775.4	1.18
13,882.0	87.3	268.8	9,296.7	4,856.6	-55.2	-4,856.3	0.00