



Log services, L.P.

TREATMENT REPORT

Operator Oilco operating company Lease No. _____ Date 5-18-19
 Well # 2
 Field Order # 17937 Station Pratt Casing 8 5/8 Depth _____ County Kingman State Ks
 Type Job 2-42 8 5/8 SURFACE Formation _____ Legal Description 31-305-06W

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size <u>8 5/8</u>	Tubing Size	Shots/Ft		Acid <u>260 SWS 60/40 Puz</u>	RATE	PRESS	ISIP	
Depth <u>768</u>	Depth	From	To	Pre Pad <u>390 CC</u>	Max		5 Min.	
Volume <u>17</u>	Volume	From	To	Pad <u>.25 PPS</u>	Min		10 Min.	
Max Press <u>300</u>	Max Press	From	To	Frac	Avg		15 Min.	
Well Connection <u>SV</u>	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
Plug Depth <u>246</u>	Packer Depth	From	To	Flush <u>15.6</u>	Gas Volume		Total Load	

Customer Representative Allen Dick Station Manager Westerman Treater MATTAI
 Service Units 63353 27463 70959 21010
 Driver Names MATTAI marquez Brown

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
2:30	}	}	}	}	On location / safety meeting
7:00					Run 8 5/8 casing
7:40					casing on bottom
7:50					Hook to casing / Break circ w. RIS
7:58					Pump 3 bbl water
8:00					Mix 260 SWS 60/40 Puz
8:16					START disp.
8:20					plug down / shut in well
					CEMENT TO SURFACE
					JOB COMPLETE
					THANK YOU!
					Mike Mattai
					EDUARDO + WARE



energy services, L.P.

TREATMENT REPORT

Customer Woolsey Seatings Lease No. _____ Date 27
5-28-19
 Lease HarDev Well # 2
 Field Order # 17941 Station Pratt Casing _____ Depth 1250 County KINGMAN State KI
 Type Job 2-42 Plug to Abandon Formation _____ Legal Description _____

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	<u>180 SM 60/40 P02</u>	RATE	PRESS	ISIP
Depth	Depth	From	To	Pre Pad		Max		5 Min.
Volume	Volume	From	To	Pad		Min		10 Min.
Max Press	Max Press	From	To	Frac		Avg		15 Min.
Well Connection	Annulus Vol.	From	To			HHP Used		Annulus Pressure
Plug Depth	Packer Depth	From	To	Flush		Gas Volume		Total Load

Customer Representative Alan Drey Station Manager Westerman Treater MATTAL
 Service Units 43353 84981 20920
 Driver Names MATTAL MARANEC BROWN

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
8:00	}				ON LOCATION / SAFETY meeting
					1 st plug @ 1250'
10:11		200	15	4	PUMP 15 bbl water
10:14		200	7.5	4	MIX 35 SKS 60/40 P02
10:17		100	5	4	PUMP 5 water
10:19		100	8	4	PUMP 8 mud
					2 nd plug @ 800'
10:39		200	10	4	PUMP 10 bbl water
10:41		200	7.5	4	MIX 35 SKS 60/40 P02
10:44		50	8	4	PUMP 8 bbl water
					3 rd plug @ 318'
11:11		100	5	4	PUMP 5 bbl water
11:12		100	7.5	4	MIX 35 SKS 60/40 P02
11:19		50	1	4	PUMP 1 bbl water
					4 th plug @ 60'
11:28	50	5	3	MIX 20 SKS 60/40 P02	
				CMT TO SURVEY	
11:46		7.5		PLUG FAT + mouse holes	
				JOB COMPLETE	
				THANK YOU! MATTAL	
				EDMUND + WADT	