

TREATMENT REPORT

Customer: **Land D Exploration, LLC.** Lease No.: _____ Date: **1-12-14**
 Lease: **Fisher** Well # **1**
 Field Order #: **4839** Station: **Pratt, Kansas** Casing: **8 7/8" 23Lb.** Depth: **679 Feet** County: **Stafford** State: **Kansas**
 Type Job: **C.N.W. - Surface** Formation: _____ Legal Description: **21-255-12W**

PIPE DATA		PERFORATING DATA		CEMENT USED		TREATMENT RESUME		
Casing Size: 8 7/8"	Tubing Size: 2 3/8"	Shots/Ft: 175	sacks: 175	Blend with: 175	Rate: 38	Rate: 38	Press: 2.47	ISIP: 2.25
Depth: 679 Feet	Depth: 679 Feet	From: _____	To: _____	12 Lb./Gal.	Max: 14.49	Gal/stk: 2.47	5 Min. CU. FT. / st.	
Volume: 43.5 Bbl.	Volume: 43.5 Bbl.	From: 150	To: 175	Common Cement with 2	Min: 5.23	Gal/stk: 1.20	10 Min. CU. FT. / st.	
Max Press: 350 P.S.I.	Max Press: 350 P.S.I.	From: _____	To: _____	15.6 Lb./Gal.	Avg: 5.23	Gal/stk: 1.20	15 Min. CU. FT. / st.	
Well Connection: Plug container	Annulus Vol.:	From: _____	To: _____		HHP Used:		Annulus Pressure:	
Plug Depth: 640 Feet	Packer Depth:	From: _____	To: _____	Flush: 40.7 Bbl. Fresh Water	Gas Volume:		Total Load:	

Customer Representative: **Wess** Station Manager: **Kevin Gordley** Treater: **Clarence R. Messick**

Service Units	37216	77,686	19,905	70,959	19,918
Driver Names	Messick	Mc Graw	Namby		

Time A.M.	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
4:30					Trucks on location and hold safety meeting.
6:00					Southwind Drilling start to run 16 Joints used Limited Service 23Lb./Ft. 8 7/8" cs
7:30					Casing in well. Circulate for 5 minutes
7:45	250			5	Start Fresh water Pre-Flush.
	275		10	6	Start mixing 175 sacks A Con Blend cemen
	175		87	5	start mixing 150 sacks Common Cement.
	-0-		119		Stoppumping. Shut in well. Release Top Rubber Plug. Open well.
8:15	150			5	Start Fresh water Displacement.
8:30	350		40.7		Plug down. Shut in well.
					Open Release. No returns.
					Wash up pump truck
9:00					Job Complete.
					Thank You.
					Clarence, Milte, Jerry
					Cost - 10 bbl cement to 8 7/8"

TREATMENT REPORT

Customer HFO EXPLORATION LLC	Lease No.	Date 1-21-14
Lease Kisher	Well # 1	
Field Order # 9647	Station Pratt	Casing 5 1/2
Type Job CNW LS	Formation	Depth 4223
		County STAFFORD
		State KS
		Legal Description 21-25-12

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME	
Casing Size 5 1/2	Tubing Size	Shots/Ft		AGG 200 SKS 60/40 P02	RATE	PRESS	ISIP
Depth 4223	Depth	From	To	Pre Pad .75% CFR	Max 5# SK	5# PERFORM	18% SALT
Volume 100.5	Volume	From	To	Pad	Min		10 Min.
Max Press 1500	Max Press	From	To	Frac	Avg		15 Min.
Well Connection PC	Annulus Vol.	From	To		HHP Used		Annulus Pressure
Plug Depth 4200.89	Packer Depth	From	To	Flush 100	Gas Volume		Total Load

Customer Representative GERRAIN	Station Manager Kevin Gossley	Treater MIKE MATTAJ
Service Units 37586	33708 20920	19851 19862
Driver Names MATTAJ	Kuemin	HANSON

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
8:15					ON LOCATION / SAFETY MEETING
9:20					RUN 5 1/2 15.5# CSNG BASKET ON #2
					TUBES ON 1, 3, 5, 7, 9, 11, 13, 15
10:55					CSNG ON BOTTOM
11:15					HOOD UP TO CSNG / BREAK CIRC W RIG
12:34	50		20	4	PUMP 20 BBLs 2% KCl WATER
12:39	50		12	5	PUMP 12 BBL MUD FLUSH
12:41	50		3	5	PUMP 3 BBL WATER
12:43	300		44	5	MIX 200 SKS 60/40 P02
12:51	-		4	3	WASH PUMP + LINES
12:56	-		-	-	RELEASE PLUG
12:57	50		-	6	START DISPLACEMENT
1:11	300		79	5	LIFT CEMENT
1:13	400		78 90	4.5	SLOW RATE
1:17	900/1400				PLUG DOWN, PSI TO 1400 RELEASE + HOLD
					CIRC THRU JOB
1:25			7		PLUG RETURN
					JOB COMPLETE
					THANK YOU!
					MIKE MATTAJ