Company: Address: Contact Geologist: Contact Phone Nbr: Well Name: Location: API: Pool: State:	OPERATOR Murfin Drilling Company 250 N. Water Suite 300 Wichita, KS 67202 Shauna Gunzelman 316-267-3241 Kacirek Trust #3-5 Sec. 5 - T2S - R36W 15-153-21057-0000 Kansas	Field: Country:	Brumm NE USA	
		1		
	DRILLING COMPAN WICHITA, KANS Scale 1:240 Imperia	AS		
Well Name:	Kacirek Trust #3-5			
Surface Location: Bottom Location: API: License Number:	Sec. 5 - T2S - R36W 15-153-21057-0000 30606			
Spud Date: Region:	10/2/2014 Rawlins County	Time:	2:30 PM	
Drilling Completed: Surface Coordinates: Bottom Hole Coordinates:	10/9/2014 1320' FNL & 1320' FWL	Time:	11:30 PM	
Ground Elevation: K.B. Elevation: Logged Interval: Total Depth: Formation: Drilling Fluid Type:	3229.00ft 3240.00ft 3520.00ft 4750.00ft Cherokee Chemical/Fresh Water Gel	To:	4750.00ft	
	SURFACE CO-ORDINA	TES		
Well Type: Longitude: Latitude: N/S Co-ord:	Vertical 1320' FNL			
E/W Co-ord:	1320' FWL			
_	LOGGED BY			
	Keith Reavi Consulting Geolog			
Company: Address:	Keith Reavis, Inc. 3420 22nd Street Great Bend, KS 67530			
Phone Nbr: Logged By:	620-617-4091 KLG #136	Name:	Keith Reavis	
Contractor: Rig #: Rig Type:	CONTRACTOR Murfin Drilling Company Rig #2 mud rotary			
Spud Date: TD Date: Rig Release:	10/2/2014 10/9/2014	Time: Time: Time:	2:30 PM 11:30 PM	
	ELEVATIONS			
K.B. Elevation:	3240.00ft Gro	und Elevation:	3229.00ft	

Due to positive drill stem testing, it was determined by the operator to set 5 1/2" production casing and further test the Lansing-KC through perforations and stimulation.

The samples were saved and will be available for review at the Kansas Geological Survery Well Sample Library located in Wichita, KS.

Respectfully submitted, Keith Reavis

Murfin Drilling Company daily drilling report

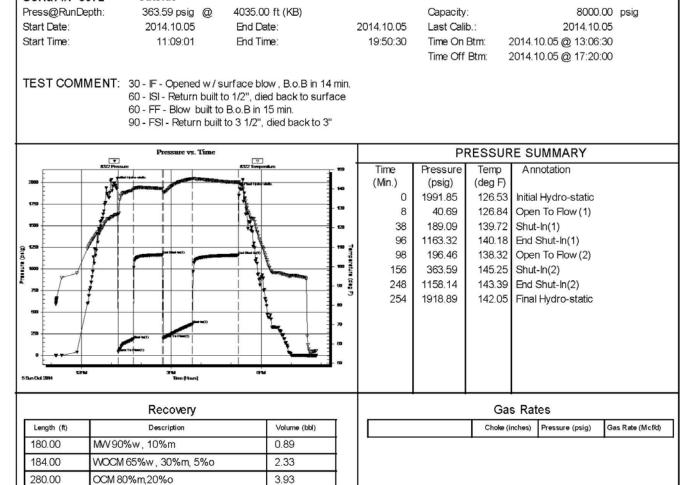
DATE	7:00 AM DEPTH	REMARKS
L0/03/2014		Geologist Keith Reavis on location @ 1715 hrs, 3506 ft, running bit trip, Repair hydromatic, back on bottom w/button bit, ctch, resume drilling
0/04/2014	3686	drilling ahead, Neva, Red Eagle, Foraker, Stotler, Topeka
0/05/2014	4092	drilling ahead, Topeka, Oread, show in Oread warrants test, short trip, conduct and complete DST #1, successful test, TIH w/bit, resume drilling
L0/06/2014	4190	drilling ahead, Lansing, show in D zone warrants test, TOH w/bit, in w/tools, conduct and complete DST #2, successful test, TIH w/bit, ctch
10/07/2014	4310	resume drilling, show in G zone warrants test, conduct and complete DST #3, Successful test, TIH w/bit, resume drilling
10/08/2014	4395	drilling ahead, show in Lansing H and J zones warrant test, TOH for DST #4, conducting and complete DST #4, successful test, TIH w/bit, resume drilling
10/09/2014	4552	drilling ahead, Marmaton, Pawnee, Cherokee, TD 4750' @ 2330 hrs
0/10/2014	4750	short trip, ctch, TOH w/bit, conduct and complete logging operations geologist off location @ 1030 hrs

Murfin Drilling Company well comparison sheet

	DRILLING WELL MDC - Kacirek Trust #3-5 1320' FNL & 1320' FWL Sec 5-T2S-R36W				COMPARISON WELL				COMPARISON WELL MDC - Kacirek Trust #1-5 v Sec 5-T2S-R36W			
					MDC - Kacirek Trust #2-5							
					2310' FSL & 600' FWL Sec 5-T2S-R36W							
						Struct	ural			Struct	ural	
	3240	KB			324:	l KB	Relatio	onship	3252	KB	Relatio	onship
Formation	Sample	Sub-Sea	Log	Sub-Sea	Log	Sub-Sea	Sample	Log	Log	Sub-Sea	Sample	Log
Neva	3622	-382	3624	-384	3620	-379	-3	-5	3628	-376	-6	-8
Red Eagle	3687	-447	3687	-447	3683	-442	-5	-5	3691	-439	-8	-8
Foraker	3737	-497	3737	-497	3730	-489	-8	-8	3739	-487	-10	-10
Stotler	3890	-650	3888	-648	3886	-645	-5	-3	3892	-640	-10	-8
Topeka	3956	-716	3953	-713	3953	-712	-4	-1	3957	-705	-11	-8
Oread	4081	-841	4081	-841	4081	-840	-1	-1	4085	-833	-8	-8
Lansing	4169	-929	4171	-931	4167	-926	-3	-5	4170	-918	-11	-13
Lansing D	4235	-995	4231	-991	4228	-987	-8	-4	4230	-978	-17	-13
Stark	4386	-1146	4388	-1148	4386	-1145	-1	-3	4388	-1136	-10	-12
BKC	4440	-1200	4443	-1203	4436	-1195	-5	-8	4438	-1186	-14	-17
Pawnee	4564	-1324	4564	-1324	4564	-1323	-1	-1	4564	-1312	-12	-12
Cherokee	4644	-1404	4640	-1400	4639	-1398	-6	-2	4639	-1387	-17	-13
Mississippian	nr	nr			nr	nr			4859	-1607		
Total Depth	4750	-1510	4750	-1510	4776	-1535	25	25	4935	-1683	173	173

...

	DRILL STEM TEST F	REPORT	
	Murfin Drlg. Co., LLC.	5/2S/36W	
ESTING , INC	250 N. Water, STE 300	Kacirek #3-5	
	Wichita, KS 67202	Job Ticket: 60729	DST#:1
	ATTN: Keith Reavis	Test Start: 2014.10.05	@ 11:09:00
GENERAL INFORMATION:			
Formation: Oread			
Deviated: No Whipstock:	ft (KB)	Test Type: Conventio	nal Bottom Hole (Initial)
Time Tool Opened: 13:14:00		Tester: Brandon G	Quintana
Time Test Ended: 19:50:30		Unit No: 48	
Interval: 4034.00 ft (KB) To 40	92.00 ft (KB) (TVD)	Reference Elevations:	3240.00 ft (KB)
Total Depth: 4092.00 ft (KB) (T\	/D)		3229.00 ft (OF)
Hole Diameter: 7.88 inches Hole	Condition: Fair	KB to GR/CF:	11.00 ft

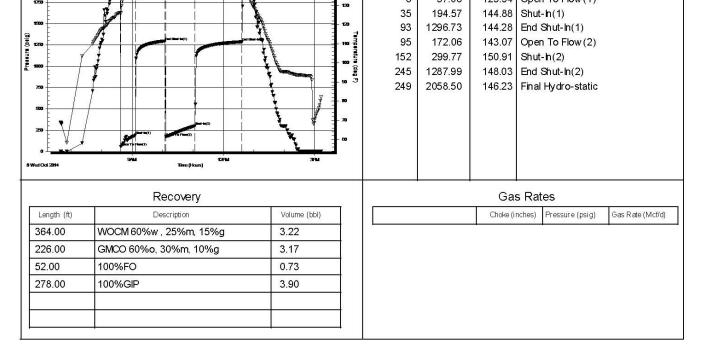


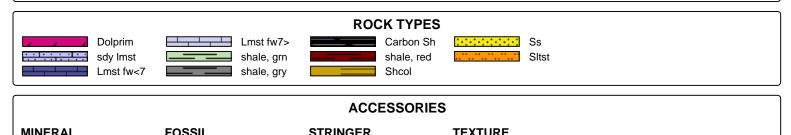
122.00	100% FO	1.71

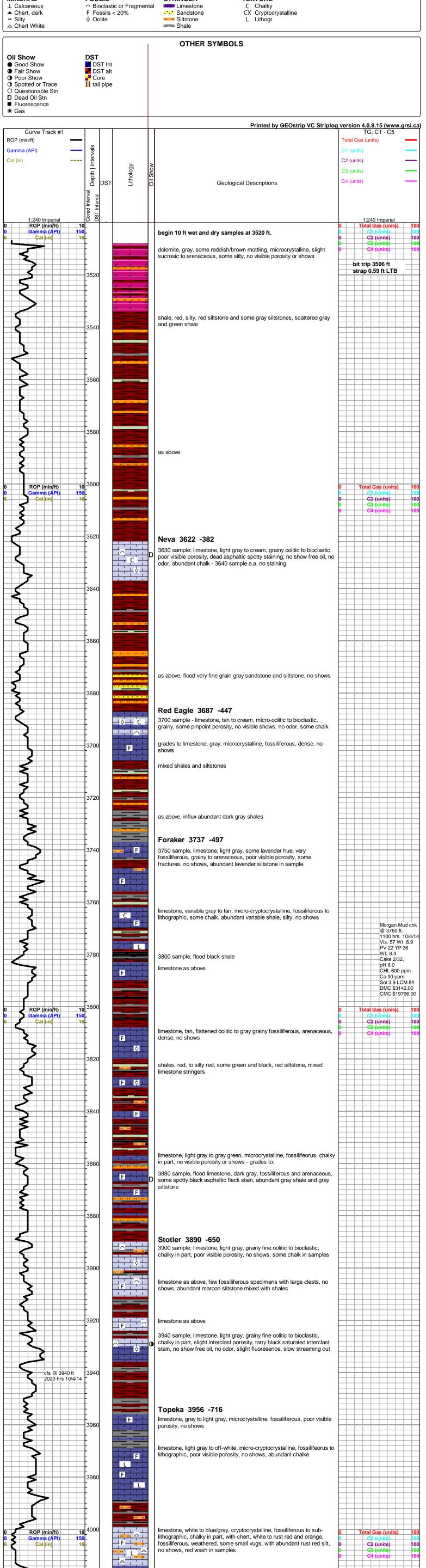
			TE ~7		~ D T				
(Ob)	RILOBITE	DRILL STEM	IES	I REP	JRT				
		Murfin Drlg. Co., LLC.			5/2	S/36W			
翻	ESTING , INC.	250 N. Water, STE 300			Ka	cirek #3	-5		
		Wichita, KS 67202			Job	Ticket: 60)730	DST#:2	
131		ATTN: Keith Reavis			Tes	t Start: 20	014.10.06 @ ⁻	12:58:00	
	FORMATION:								
ormation:	LSG "D"								
eviated:	No Whipstock:	ft (KB)					Conventional		(Initial)
ime Tool Opener ime Test Ended:							Brandon Quin 48	itana	
	4196.00 ft (KB) To 42	50.00 ft (KR) (T\/D)				erence Be		3240.00	ft (KR)
otal Depth:	4250.00 ft (KB) (T				1101		svaloris.	3229.00	
lole Diameter:	7.88 inchesHole	Condition: Fair				KBI	:o GR/CF:	11.00	ft
erial #: 864	7 Inside								
ress@RunDeptl					Capacity			8000.00	psig
tart Date:	2014.10.06	End Date:	2	2014.10.06	Last Cali			014.10.06	
tart Time:	12:58:01	End Time:		21:04:30	Time On Time Off		2014.10.06 @ 2014.10.06 @		
EST COMME	60 - ISI - No Retu 30 - FF - Blow bu 60 - FSI - Return	illt to B.o.B in 20 min. built to 2 1/2"	12 min.						
EST COMME	60 - ISI - No Retu 30 - FF - Blow bu 60 - FSI - Return Pressure vs. T	rn ıilt to B.o.B in 20 min. built to 2 1/2" imme	12 min.		P	RESSUF	RE SUMMA		
	60 - ISI - No Retu 30 - FF - Blow bu 60 - FSI - Return	rn ıilt to B.o.B in 20 min. built to 2 1/2''	12 min.	Time (Min.)	Pressure	Temp	RE SUMMA		
	60 - ISI - No Retu 30 - FF - Blow bu 60 - FSI - Return Pressure vs. T	rn ıilt to B.o.B in 20 min. built to 2 1/2" imme		Time (Min.) 0	-	Temp (deg F)		ı	
Z20	60 - ISI - No Retu 30 - FF - Blow bu 60 - FSI - Return Pressure vs. T	rn ıilt to B.o.B in 20 min. built to 2 1/2" imme	1 10	(Min.)	Pressure (psig)	Temp (deg F) 124.75 124.44	Annotation Initial Hydro- Open To Flo	n -static	
2300	60 - ISI - No Retu 30 - FF - Blow bu 60 - FSI - Return Pressure vs. T	rn ıilt to B.o.B in 20 min. built to 2 1/2" imme	120	(Min.) 0 2 31	Pressure (psig) 2137.83 51.59 204.79	Temp (deg F) 124.75 124.44 140.24	Annotation Initial Hydro- Open To Flo Shut-In(1)	ı -static ₩ (1)	
Z20	60 - ISI - No Retu 30 - FF - Blow bu 60 - FSI - Return Pressure vs. T	rn ıilt to B.o.B in 20 min. built to 2 1/2" imme	199	(Min.) 0 2 31 91	Pressure (psig) 2137.83 51.59 204.79 1199.92	Temp (deg F) 124.75 124.44 140.24 140.17	Annotation Initial Hydro- Open To Flo Shut-In(1) End Shut-In(-static -w (1) (1)	
230	60 - ISI - No Retu 30 - FF - Blow bu 60 - FSI - Return Pressure vs. T	rn ıilt to B.o.B in 20 min. built to 2 1/2" imme	190 140 130 150	(Min.) 0 2 31	Pressure (psig) 2137.83 51.59 204.79 1199.92 189.83	Temp (deg F) 124.75 124.44 140.24 140.17 140.19	Annotation Initial Hydro- Open To Flo Shut-In(1) End Shut-In(Open To Flo	-static -w (1) (1)	
2200 3000 1790 4200 770 770	60 - ISI - No Retu 30 - FF - Blow bu 60 - FSI - Return Pressure vs. T	rn uilt to B.o.B in 20 min. built to 2 1/2" imme	50 10 10 10 10 10 10 10 10 10 10 10 10 10	(Min.) 0 2 31 91 92	Pressure (psig) 2137.83 51.59 204.79 1199.92	Temp (deg F) 124.75 124.44 140.24 140.17 140.19 148.11 146.58	Annotation Initial Hydro- Open To Flo Shut-In(1) End Shut-In(Open To Flo Shut-In(2) End Shut-In(-static -w (1) (1) ww (2) (2)	
2200 3000 1790 4200 770 770	60 - ISI - No Retu 30 - FF - Blow bu 60 - FSI - Return Pressure vs. T	rn uilt to B.o.B in 20 min. built to 2 1/2" imme	159 159 169 100 100 100 100 100 100 100 100 100 10	(Min.) 0 2 31 91 92 152	Pressure (psig) 2137.83 51.59 204.79 1199.92 189.83 343.58	Temp (deg F) 124.75 124.44 140.24 140.17 140.19 148.11 146.58	Annotation Initial Hydro- Open To Flo Shut-In(1) End Shut-In(Open To Flo Shut-In(2)	-static -w (1) (1) ww (2) (2)	
229 200 779 200 779 200 779 200 779 200 779 779 779 779 779 779 779 7	60 - ISI - No Retu 30 - FF - Blow bu 60 - FSI - Return Pressure vs. T	rn uilt to B.o.B in 20 min. built to 2 1/2" imme	50 10 10 10 10 10 10 10 10 10 10 10 10 10	(Min.) 0 2 31 91 92 152 243	Pressure (psig) 2137.83 51.59 204.79 1199.92 189.83 343.58 1188.58	Temp (deg F) 124.75 124.44 140.24 140.17 140.19 148.11 146.58	Annotation Initial Hydro- Open To Flo Shut-In(1) End Shut-In(Open To Flo Shut-In(2) End Shut-In(-static -w (1) (1) ww (2) (2)	
2230 	60 - ISI - No Retu 30 - FF - Blow bu 60 - FSI - Return Pressure vs. T	rn uilt to B.o.B in 20 min. built to 2 1/2" imme	50 10 10 10 10 10 10 10 10 10 10 10 10 10	(Min.) 0 2 31 91 92 152 243	Pressure (psig) 2137.83 51.59 204.79 1199.92 189.83 343.58 1188.58	Temp (deg F) 124.75 124.44 140.24 140.17 140.19 148.11 146.58	Annotation Initial Hydro- Open To Flo Shut-In(1) End Shut-In(Open To Flo Shut-In(2) End Shut-In(-static -w (1) (1) ww (2) (2)	
	60 - ISI - No Retu 30 - FF - Blow bu 60 - FSI - Return Pressure vs. T	rn uilt to B.o.B in 20 min. built to 2 1/2" imme	50 10 10 10 10 10 10 10 10 10 10 10 10 10	(Min.) 0 2 31 91 92 152 243	Pressure (psig) 2137.83 51.59 204.79 1199.92 189.83 343.58 1188.58	Temp (deg F) 124.75 124.44 140.24 140.17 140.19 148.11 146.58	Annotation Initial Hydro- Open To Flo Shut-In(1) End Shut-In(Open To Flo Shut-In(2) End Shut-In(-static -w (1) (1) ww (2) (2)	
	60 - ISI - No Retu 30 - FF - Blow bu 60 - FSI - Return Pressure vs. T	rn uilt to B.o.B in 20 min. built to 2 1/2" imme	50 10 10 10 10 10 10 10 10 10 10 10 10 10	(Min.) 0 2 31 91 92 152 243	Pressure (psig) 2137.83 51.59 204.79 1199.92 189.83 343.58 1188.58	Temp (deg F) 124.75 124.44 140.24 140.17 140.19 148.11 146.58	Annotation Initial Hydro- Open To Flo Shut-In(1) End Shut-In(Open To Flo Shut-In(2) End Shut-In(-static -w (1) (1) ww (2) (2)	
	60 - ISI - No Retu 30 - FF - Blow bu 60 - FSI - Return Pressure vs. T	rn illt to B.o.B in 20 min. built to 2 1/2" inc DO TOPONALE DO TO	50 10 10 10 10 10 10 10 10 10 10 10 10 10	(Min.) 0 2 31 91 92 152 243	Pressure (psig) 2137.83 51.59 204.79 1199.92 189.83 343.58 1188.58	Temp (deg F) 124.75 124.44 140.24 140.17 140.19 148.11 146.58 143.43	Annotation Initial Hydro- Open To Flo Shut-In(1) End Shut-In(Open To Flo Shut-In(2) End Shut-In(-static -w (1) (1) ww (2) (2)	
	60 - ISI - No Retu 30 - FF - Blow bu 60 - FSI - Return Pressure vs. T	rn illt to B.o.B in 20 min. built to 2 1/2" inc DO TOPONALE DO TO	50 10 10 10 10 10 10 10 10 10 10 10 10 10	(Min.) 0 2 31 91 92 152 243	Pressure (psig) 2137.83 51.59 204.79 1199.92 189.83 343.58 1188.58	Temp (deg F) 124.75 124.44 140.24 140.17 140.19 148.11 146.58 143.43	Annotation Open To Flo Shut-In(1) End Shut-In(Open To Flo Shut-In(2) End Shut-In(Final Hydro-	-static w (1) (1) ww (2) (2) -static	Rate (Mcf/d)
229	60 - ISI - No Retu 30 - FF - Blow bu 60 - FSI - Return Pressure vs. T	rn illt to B.o.B in 20 min. built to 2 1/2" inc built to 2 1/2" built to 2 1/2" bu	50 10 10 10 10 10 10 10 10 10 10 10 10 10	(Min.) 0 2 31 91 92 152 243	Pressure (psig) 2137.83 51.59 204.79 1199.92 189.83 343.58 1188.58	Temp (deg F) 124.75 124.44 140.17 140.19 148.11 146.58 143.43	Annotation Open To Flo Shut-In(1) End Shut-In(Open To Flo Shut-In(2) End Shut-In(Final Hydro-	-static w (1) (1) ww (2) (2) -static	Rate (Mcf/d)
2270 2700 2700 2700 700 700 700 7	60 - ISI - No Retu 30 - FF - Blow bu 60 - FSI - Return Pressure vs. T	rn iilt to B.o.B in 20 min. built to 2 1/2" ince soft Temperature soft Temperat	50 10 10 10 10 10 10 10 10 10 10 10 10 10	(Min.) 0 2 31 91 92 152 243	Pressure (psig) 2137.83 51.59 204.79 1199.92 189.83 343.58 1188.58	Temp (deg F) 124.75 124.44 140.17 140.19 148.11 146.58 143.43	Annotation Open To Flo Shut-In(1) End Shut-In(Open To Flo Shut-In(2) End Shut-In(Final Hydro-	-static w (1) (1) ww (2) (2) -static	Rate (Mcf/d)
229	60 - ISI - No Retu 30 - FF - Blow bu 60 - FSI - Return Pressure vs. T Pressure vs. T The pressure vs. T The	rn iilt to B.o.B in 20 min. built to 2 1/2" inc DOT Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate Temperate	50 10 10 10 10 10 10 10 10 10 10 10 10 10	(Min.) 0 2 31 91 92 152 243	Pressure (psig) 2137.83 51.59 204.79 1199.92 189.83 343.58 1188.58	Temp (deg F) 124.75 124.44 140.17 140.19 148.11 146.58 143.43	Annotation Open To Flo Shut-In(1) End Shut-In(Open To Flo Shut-In(2) End Shut-In(Final Hydro-	-static w (1) (1) ww (2) (2) -static	Rate (Mcf/d)
2290 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 200 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2	60 - ISI - No Retu 30 - FF - Blow bu 60 - FSI - Return Pressure vs. T	rn iilt to B.o.B in 20 min. built to 2 1/2" inc DOT TOTAL	50 10 10 10 10 10 10 10 10 10 10 10 10 10	(Min.) 0 2 31 91 92 152 243	Pressure (psig) 2137.83 51.59 204.79 1199.92 189.83 343.58 1188.58	Temp (deg F) 124.75 124.44 140.17 140.19 148.11 146.58 143.43	Annotation Open To Flo Shut-In(1) End Shut-In(Open To Flo Shut-In(2) End Shut-In(Final Hydro-	-static w (1) (1) ww (2) (2) -static	Rate (Mcf/d)
2290 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 200 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2	60 - ISI - No Retu 30 - FF - Blow bu 60 - FSI - Return Pressure vs. T Pressure vs. T The pressure vs. T The	rn iilt to B.o.B in 20 min. built to 2 1/2" inc DOT TOTAL	50 10 10 10 10 10 10 10 10 10 10 10 10 10	(Min.) 0 2 31 91 92 152 243	Pressure (psig) 2137.83 51.59 204.79 1199.92 189.83 343.58 1188.58	Temp (deg F) 124.75 124.44 140.17 140.19 148.11 146.58 143.43	Annotation Open To Flo Shut-In(1) End Shut-In(Open To Flo Shut-In(2) End Shut-In(Final Hydro-	-static w (1) (1) ww (2) (2) -static	Rate (Mcf/d)

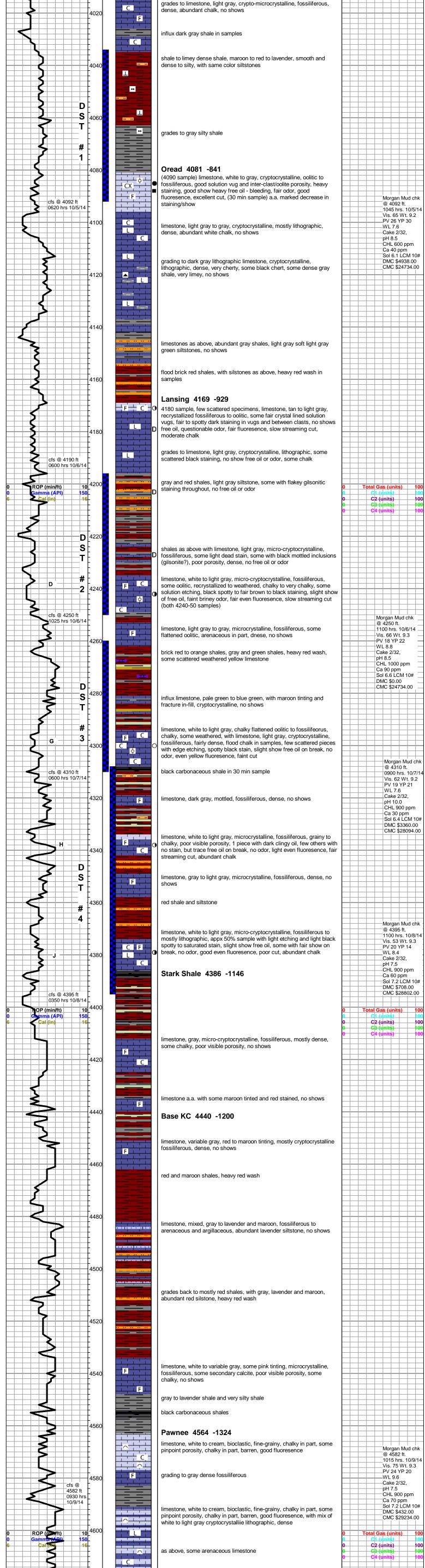
	Drill Sten	n Test #3				
	DRILL STEM TES		ORT			
RILOBITE	Murfin Drlg. Co., LLC.	5/2S/36W				
TESTING , INC	20014. Water, OTE 000		Ka	cirek #3	-5	
	Wichita, KS 67202		Job	Ticket: 60	0731	DST#:3
	ATTN: Keith Reavis		Tes	t Start: 20	014.10.07 @ 08	:38:00
GENERAL INFORMATION:						
Formation: LSG "G" Deviated: No Whipstock: Time Tool Opened: 10:50:30 Time Test Ended: 17:53:00	ft (KB)		Tes	ster:	Conventional Bo Brandon Quinta 48	ottom Hole (Initial) na
Interval: 4260.00 ft (KB) To 43			Ref	erence 🛛		3240.00 ft (KB)
Total Depth: 4310.00 ft (KB) (TN Hole Diameter: 7.88 inches Hole	/D) e Condition: Fair			KBt	:0 GR/0F:	3229.00 ft (CF) 11.00 ft
Press@RunDepth: 739.04 psig Start Date: 2014.10.07 Start Time: 08:38:01 TEST COMMENT: 30 - IF - Opened	End Date: End Time:	2014.10.07 17:53:00 3 min.	Capacity Last Cali Time On Time Off	b.: Btm: :		
30 - FF - Blow b 60 - FSI - No Ret	uilt to B.o.B in 6 min., died back to urn	6 1/2"				
Pressure vs. T 55/ Presure	Time BO Tompondure	Time (Min.)	P Pressure (psig)	RESSUF Temp (deg F)	RE SUMMAR Annotation	Y
		(Min.) 0	Pressure (psig) 2053.30	Temp (deg F) 124.17	Annotation Initial Hydro-st	atic
228 507 Phones 200 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	50/7 Tomponauro	(Min.)	Pressure (psig)	Temp (deg F) 124.17 129.13	Annotation	atic
223 507 Phones 300 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	BO Tompodure Territoria	(Min.) 0 6 33 93	Pressure (psig) 2053.30 140.78 389.22 1057.42	Temp (deg F) 124.17 129.13 149.18 146.85	Annotation Initial Hydro-st Open To Flow Shut-In(1) End Shut-In(1)	atic (1)
	BO Trapodare 	(Min.) 0 6 33	Pressure (psig) 2053.30 140.78 389.22	Temp (deg F) 124.17 129.13 149.18 146.85 146.66	Annotation Initial Hydro-st Open To Flow Shut-In(1)	atic (1)
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OD TR	ILOBITE	DRILL STEM T	EST REP	ORT				
		Murfin Drlg. Co., LLC.		5/2	S/36W			
	ESTING , INC.	250 N. Water, STE 300 Wichita, KS 67202			cirek#3 - Ticket: 60		DST#:4	
W.		ATTN: Keith Reavis				14.10.08 @		ι:
GENERAL INFOR	RMATION:							
Formation: La Deviated: Na Time Tool Opened: 08 Time Test Ended: 15	3:38:00	ft (KB)		Tes	ter: E	Con∨entiona Brandon Qui ∔8	I Bottom Hol intana	e (Initial)
Interval: 4308	.00 ft (KB) To 43	95.00 ft (KB) (TVD)		Ref	erence Be	vations:	3240.00	ft (KB)
Total Depth:	4395.00 ft (KB) (T∖	′D)					3229.00	ft (CF)
Hole Diameter:	7.88 inchesHole	Condition: Fair			KB to	o GR/CF:	11.00	ft
Serial #: 8647	Inside							
Press@RunDepth:	299.77 psig	@ 4309.00 ft (KB)		Capacity	į		8000.00	psig
Start Date:	2014.10.08	End Date:	2014.10.08	Last Cali	b.:		2014.10.08	
Start Time:	06:39:01	End Time:	15:12:30			2014.10.08 (2 Add 2 (2010) - 1018 (2010)	
				Time Off	Btm: 2	2014.10.08 (@ 12:41:00	
TEST COMMENT	60 - ISI - No Retu	iilt to B.o.B in 17 min.	Bin 13 min.					
22-	Pressure vs. T			PI	RESSUR	E SUMM	ARY	
2250		8047 Temperature	-more (Min.)	Pressure (psig)	Temp (deg F)	Annotatic	n	
2000			- 140 0	2104.05	125.86	Initial Hydro	o-static	
1750			6	57.06	125.94	Open To F	low(1)	









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