

30-015-45235



RED ROAD SWD #1



TUBULARS						WELL INFORMATION		DIRECTIONS TO SITE	INJECTION INTERVAL
STRING DETAILS (Size, WPT, Grade, Down)	HOLE SIZE (in.)	O.D. (in.)	I.D. (in.)	HOLE DEPTH (ft)	SET DEPTH (ft)	RIG Frontier #32		From I-44, MM - Travel 34.7 miles West on MM-128. Turn right onto Red rd and travel North. After 1.4 miles, turn left (West) and location is 0.2 miles West of Red Rd.	16,513'-17,894'
20" 940 1-55 BTC	24"	20"	19"	1,080	1,085'	API # 30-015-45235			
13.375" 688 HCL-80 BTC	17.5"	13.375	12.415	4,560	4,543'	COUNTY Lea			
9.625" 51.54 P110 BTC	12.25"	9.625	8.854	11,700	11,667'	S/T/R Sec. 26 T3S 31E			
7.625" 19" NCP110 AMCO Semi Flush	8.5"	7.625	6.63	16,540	16,513'	LATITUDE 31.2712			
Open Hole Injection Interval	6.5"	7.75.5"	6.276"/4.892"	17,894'	Packer @ 16,451'	LONGITUDE -103.743470			
						SPUD DATE 11/16/18			
						TD DATE 11/17/2019			
STRING COMPONENTS						HOLE INFORMATION / GEO TOPS		CEMENT INFO	PROPOSED INJECTION STRING
COMPONENT	O.D.	I.D.	Top	Bottom					
20" Surface Casing	20"	19"	Surface	1,045'		24" Surface Hole T.D. = 1080		Pump 20 bbls water based spacer followed by 235 bbls, 795 sacks.	Hudson Packer Set @ 16,451'. Seal assembly,
13.375 1st Intermediate casing	13.375	12.415	Surface	4,543'		17.5" 1st Intermediate Hole TD = 4560		13.7 ppg, 1.66 yield, lead cement, followed by 74 bbls, 373 sacks,	134 joints 5.5" casing, 5.5" double pin, 5.5 box
13.375 Packer collar	13.375	12.415	4,499'	4,501'		Debris = 4450		14.8 ppg, 1.343 yield, tail cement. 83 bbls cement back to surface.	to 7" box XO, 260 joints 7" casing, 5' pup joint,
						Lamar Limestone = 4455'			20' pup joint, hanger.
						Red Canyon = 4500			
9.625 2nd Intermediate casing	9.625	8.855	Surface	11,667'				1st Stage: 569 bbls, 1830 sacks, 13.7 ppg, 1.747 yield, Halcom	
9.625 Packer collar	9.625	8.855	11,594'	11,596'				concent, 80 bbls cement back to surface.	
218 coated joints of 9.625 casing	9.700	8.855	4,750'	9,018'				2nd Stage: Pump 10 bbls red dye fresh water spacer, 20 bbls Gel	
DV Tool	9.625	8.855	8,175'	8,175'				spacer, 218 bbls, 650 sacks, 13.7 ppg, 1.777 yield, 35 bbls back to	
Packer/DV tool	9.625	8.855	8,168'	8,168'				surface.	
7.625 3rd Intermediate casing	7.625	6.625	11,021'	16,513'		13.25" 2nd Intermediate TD = 11,700			
7.625 Packer collar	7.625	6.625	16,460'	16,460'		Cherry Canyon = 5363' MD			
7.625 Landing collar	7.625	6.625	16,419'	16,421'		Brushy Canyon = 7178' MD			
TIE	7.625	6.625	11,021'			Bone Springs = 8257' MD			
Injection interval						Bone Springs Line 1 = 8409' MD			
134 joints of 5.5", 178, TPC, P110 CASING	5.500	4.852	10,772'	16,451'		Bone Springs Sand 1 = 8830' MD		1st Stage: Pump 30 bbls lined 11.5 ppg lined spacer, followed by	
250 JOINTS, 5" PUP, 888 + PUP 354, 9", TPC	7.000	6.276	Surface	10,772'		Bone Springs Line 2 = 9160' MD		264 bbls, 1205 sacks, 15.6 ppg, 1.232 yield Halcom cement. No	
						Bone Springs Sand 2 = 9330' MD		cement to surface.	
						Bone Springs Line 3 = 10,477' MD		2nd Stage: Pumped 30	
						Bone Springs Sand 3 = 11,210' MD		bbls lined spacer, followed by 760 sacks, 232 bbls, 13.7 ppg, 1.717	
						Wellbore = 11,545' MD		yield, Halcom C cement. No cement to surface.	
						8.5" 3rd Intermediate TD = 16,540'		3rd Stage: Pumped 20 bbls of mud flush, followed by 1590 sacks, 494	
						Perm = 13,130' MD		bbls, 13.7 ppg, 1.744 yield, Halcom C cement. No Cement to surface.	
						Strawn = 13,443' MD			
						Alzaka = 13,558' MD			
						Morrow = 14,410' MD			
						Morrow Line = 14,455' MD		Pump 30 bbls lined spacer, followed by 82 bbls, 220 sacks, 11.9 ppg,	
						Morrow Classic = 14,644' MD		2.00 yield lead cement, followed by 40 bbls, 160 sacks, 13.2 ppg, 1.42	
						Lower Morrow = 15,328' MD		yield tail cement. 4 bbls cement to surface.	
						Massad plain shale = 15,410' MD			
						Barnett = 15,620' MD			
						Miss. Limestone = 15,803' MD			
						Woodford = 16,375' MD			
						Devonian = 16,439' MD			
						Injection Hole TD = 17,894			
						Silurian Carbonate = 16,878' MD			
						Fossilman = 17,624' MD			
						Montana = 17,700' MD			

IPT PERSONNEL: Johnny Russo (Field Ops Manager), Stacy Wimmer (Field Ops Manager), Trevor Smith (Drilling Engineer)
 IPT WSA: Bill Masden, Kevin Sumson, Scott Swankle, Darin Pitts, A. J. Pettit, Jackson Vichir

Accepted For Record
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