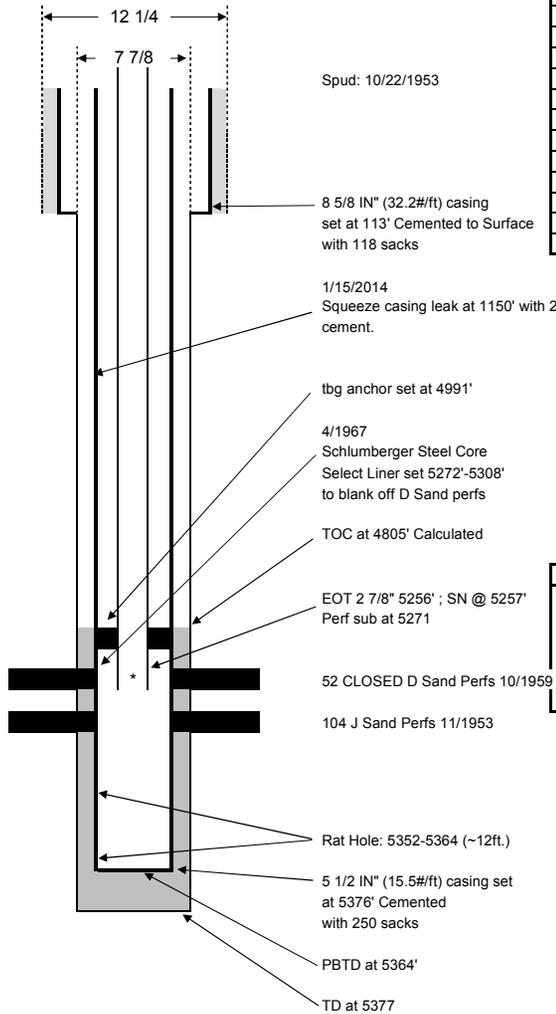


API: 05-001-05299
Wellbore Schematic
CLIFFORD CAUSEY #17
GL: 4648' KB: ??

Tubing was pulled to replace a few joints on the 25th of October 2013 when a casing leak was found 32 jts down. A D sand liner is located 18-54ft above the top J sand perf. **Questions: What is the OD of the tubing string? Is it all identical or could the OD vary as the string was pieced together over time? Could inability to reach TD of tag fill be due to the tubing hanging up on the D sand liner?** No records were found describing the size of the bit used to drill the well. Although the #10 well also has 5 1/2" casing and 8 5/8" surface casing, a bit size was not described for that well either. A 12.25" bit for surface casing and a 7 7/8" bit for production casing were taken from the #20 and assumed to be the same in the #17 to calculate TOC.



Geological Information		
Formation	Tops	Source
Pierre	0	ELEC LOG
Niobrara	4436	ELEC LOG
Fort Hays	4834	ELEC LOG
Codell	4868	ELEC LOG
Carlile	4880	ELEC LOG
Green Horn	4956	ELEC LOG
Graneros	5016	ELEC LOG
D Sand	5257	ELEC LOG
Huntsman	5302	ELEC LOG
J Sand	5326	ELEC LOG

Lat	Long	SPUD Date
39.87002	-103.74813	11/7/1953

Perforations			
Formation	Top of Perf	Bottom of Perf	Total Perfs
J Sand	5326	5352	104
D Sand	5282	5295	52

Logs, Notes, Econ, etc.

Lease	Well ID	TD	Top Open Perf	Bottom Open Perf	Well Status
CLIFFORD CAUSEY	17	5377	5326	5352	SHUT IN

Location					
(N/S)	TwN	(E/W)	Rng	Sect	Qtr Qtr
S	2	W	57	22	NW NE

Cement Top Calculations							
Surface Casing			Production Casing				
Bit Size	12.25 in	Cement Used	118 sx	Bit Size	7.875 in	Cement Used	250 sx
	1.020833333 ft	Annulus V	186.457602 ft^3		0.65625 ft	Calc. Vol/sk	1.58 ft^3/sk
SC OD	8.625 in	Calc. volume/sk	1.58 ft^3/sk	Casing OD	5.5 in	Vol. Filled	395.0372924 ft^3/sk
	0.71875 ft				0.458333333 ft	Cement height	570.3133467 ft
Depth	113 ft			Depth	5376 ft		