



## LOG OF WELL

SHEET No. 2

17-8N-536

District Casper - Luff Owner The Texas Company Farm Doris Rindson Well No. 5

FORMATION		AMOUNT	COLOR	HARD OR SOFT	DEPTH CORES TAKEN	REMARKS
Tertiary	Surface	015				Gravels and alluvium of gray and pink quartz rounded pebbles.
Pierre Shale	015	3158				Dark gray to black clay shale, few calcareous beds, soft and gummy, with stringers of limestone and fish scales in places.
Niobrara (Lime)	3973	402				Shale, limey, black, brownish black looking where abundant forams giving speckled appearance with their tiny white spots. Some shale slightly silty. Also, plain and soft blue gray shale alternating. Bentonite, pyrite specks.
Carlisle Shale	4375	198				Shale, sandy and silty shale, dark gray to black, sandy to very fine sandstone streaks gray peppered with black specks, calcareous soft. Also, limestone stringers, light orange, silty soft, and bentonite. Shales are calcareous and in part white specked with forams, and few fish fragments.
Greenhorn (Limestone)	4573	7				Limestone, brown, dense hard, cherty looking. Sandy limestone to very fine and limey sandstone hard, tight, and gray.
Graneros Shale	4580	242				Shale, silty siltstone. black, much speckled with forams. Silty lime stringers. Plain shale dark gray. much calcareous. In lower portion few thin sandstone beds. gray very fine, speckled with glauconite and black specks.
Dakota Sandstone	4822	63				Sandstone. very fine to fine and well sorted grains angular to sub-angular, light gray where barren. mostly noncalcareous. little or no cementation.
Lehmanberger T.D.	4855					
Griller's T.D.	4885					

## LOG OF WELL

SHEET No. 3

17-8N-53W

District Casper - Inft Owner The Texas Company Farm Doris Knudson Well No. 5

FORMATION	AMOUNT	COLOR	HARD OR SOFT	DEPTH CORES TAKEN	REMARKS
<u>FORMATION LOGS BY SCHLUMBERGER EL. CRET. LOG</u>					
Tertiary	Surface				
Miocene	3973				
Ft. Hayes	4329				
Carlile	4375				
Greenhorn	4573				
Graneros	4580				
Bentonite Marker	4727				
Dakota "D"	4822				
Schlumberger T.D.	4855				
Driller's T.D.	4857				
<u>DRILL STEM TEST</u>					
DST #1 May 6, 1953 Packer set 4825.75 - 4838.50' Tool open 3 1/2 Hrs. Tool opened with strong blow which lasted throughout test. Gas to Surface in 22 minutes too small to measure, est. 10 to 15 MCF Trace disillate in gas in 37 min. Recovered 1890' fluid of which 1530' was gas cut oil, 90' mud and gas cut oil est. 85% oil, 90' of oil-gas-water cut mud est. 50% oil, 90' of oil-gas-mud cut water, 90' gas cut water. IFP - 90#; FIP - 630#, S.F. for 30 Min - 1250#					
<u>CORE RECORD</u>					
<u>Core #1, from 4820' to 4852'</u>					<u>Cut 32'; Rec. 32'</u>
4820 - 4824	4				sh, bk, rotten, soft
4824 - 4825	1				ss, fine grain, shaley, med. por & perm. fair odor, spotty fluor.
4825 - 4829	4				ss, fine grain, fair por & perm. good stain & odor & fluor, VF lower 1 1/2', 3" sh break @ bottom
4829 - 4830	1				ss, very shaley, barren
4830 - 4835	5				ss, fine grain, slightly shaley, good odor & fluor VF lower 3', sh lower 1/2'
4835 - 4836	1				sh, very silty, w/white Koolin material, barren

17-8N-5344

District Gasper - Lift Owner The Texas Company Farm Douglas Knudson Well No. 5

FORMATION		AMOUNT	COLOR	HARD OR SOFT	DEPTH CORES TAKEN	REMARKS
4836 - 4840		1				ss, very shaley, barren
4840 - 4850		10				ss, fine grain shaley, appears ribboned, bar- ren, appears wet
4850 - 4852		2				as above, very shaley