



LOG OF WELL
SHEET No. 2

FORM PO-214 Sheet 2 (4-51) 50M

District Casper-Mt. Hope Owner The Texas Company Farm C.F. Green "A" Well No. 15

FORMATION		AMOUNT	COLOR	HARD OR SOFT	DEPTH CORES TAKEN	REMARKS
Tertiary	Surface	902				Gravels and alluvium of gray and pink quartz rounded pebbles.
Pierre Shale	902	3280				Dark gray to black clay shale, few calcareous beds, soft and gummy, with stringers of limestone and fish scales in places.
Niobrara (Lime)	4182	313				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	4495	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)	4693	05				Limestone, brown, dense hard, cherty looking. Sandy limestone to very fine and limey sandstone hard, tight, and gray.
Graneros Shale	4698	239				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						Sandstone, very fine to fine and well sorted grains angular to sub-angular, light gray where barren, mostly noncalcareous, little or no cementation.
"D"	4937	31				
Base "D"	4968	70				
"J"	5038	103				
Schlumberger T.D.	5141					
Driller's T.D.	5140					

LOG OF WELL

SHEET NO. 3District Casper-Mt. Hope Owner The Texas Company Farm C. F. Green "A" Well No. 15

FORMATION	AMOUNT	COLOR	HARD OR SOFT	DEPTH CORES TAKEN	REMARKS
<u>FORMATION TOPS FROM SCHLUMBERGER ELECTRIC LOG</u>					
Tertiary	Surface				
Pierre	902				
Niobrara	4182				
Fort Hayes	4447				
Carlile	4495				
Greenhorn	4693				
Graneros	4698				
Bentonite Marker	4846				
Dakota "D"	4937				
Base "D"	4968				
Dakota "J"	5038				
Schlumberger T.D.	5141				
Driller's T.D.	5140				
<u>DRILL STEM TEST</u>					
<u>DST #1, October 28, 1952</u>					
Packer set 5043' - 5068'					
Tool open 1 hour; shut in 15 Min.					
Instant blow continued through test					
Gas in 17 Min.					
Recovered: 795' free oil; 78' oil cut water; 18' water					
IF-95; FF-185; SI-1300; HP-2756					
<u>DST #2, October 29, 1952</u>					
Packer set 5071' - 5089' Misrun					
<u>DST #3, October 30, 1952</u>					
Packer set 5071' - 5089'					
Tool open 1 Hour; Shut in 15 Min.					
Instant good blow through test weak @ end					
Gas to surface in 45 Min.					
Recovered: 100' Oil Cut Mud; 100' Oil & water Cut Mud; 200' Clear Water					
IF-100; FF-100; SI-1100; HP-2700					
<u>CORE RECORD</u>					
<u>Core No. 1, from 4939' to 4987'</u>					
4939 - 4941	2				Cut 48', Rec. 48'
4941 - 46	5				ss, fn, clean, hd, per, good st & odor, sh stks @ 39.6, 40.6
					sh, bl, hd, ss as above, VF

LOG OF WELL

SHEET No. 4

District	Casper-Mt. Hope	Owner	The Texas Company	Farm	C. F. Green "A"	Well No.	15
FORMATION		AMOUNT	COLOR	HARD OR SOFT	DEPTH CORES TAKEN	REMARKS	
<u>Core #1, from 4939' to 4987' (cont.)</u>							
4946 - 4950		4				ss & silt, fn, hd, tite, good st & odor, interlam. sh, stks.	
4950 - 53		3				ss, fn, clean, pro, appears wet	
4953 - 57		4				ss, shaly, dirty, hd, tite, barren, carb.	
4957 - 60		3				ss, fn, clean, por, appears wet	
4960 - 64		4				ss, fn, clean, hd, tite, barren, carb.	
4964 - 68		4				sh, bl, hd, sandy, barren	
4968 - 87		19				sh, bl, hd, rotten	
<u>Core #2, from 5040' to 5068'</u>							
5040 - 5041		1				ss, fn, dirty, hd, fossil, carb, VF, silt shaly, hd, tite, barren	
5041- 43		2				ss, fn, clean, hd, tite, barren, interlam sh	
5043 - 52		9				silt, gy, tite, barren, ss, fn, clean, por, good st & odor, glauco, VF @ 50	
5052 - 57		5				sh, bl, hd, ss stks, (ss, fn, gy, hd, tite, barren)	
5057 - 62		5				Bent, soft, gy, sh, bl, ss	
5062 - 65		3				sh, bl, hd, ss stks, hd, tite, barren	
5065 - 67.3		2.3				ss, v fn, hd, tite, barren	
5067.3 - 68		.7				Lost	
<u>Core #3, from 5068' to 5089'</u>							
5068 - 5069		1				sh, hd, gy, sandy, tite, barren	
5069 - 5076		7				ss, fn, good st & odor, VF	
5076 - 5080		4				ss, fn, tite, st & odor, VF	

SHEET No. 5

FORMATION		AMOUNT	COLOR	HARD OR SOFT	DEPTH CORES TAKEN	REMARKS
<u>Core #3, from 5068' to 5088' cont.</u>						
5080 - 5086		6				ss as above, sl sat. @ top, VP, appears wet from 81.5 down
5086 - 5089		3				sh, bl, hd, sandy, tite, barren