



00255487

# LOG OF WELL

Form PO-214 Sheet 1 (8-48)30M

197-88

C. F. Green "A" No. 5

SHEET 1

OWNER The Texas Company DIVISION Rocky Mountain DATE MADE 4-4-52  
 DISTRICT Sterling LEASE C. F. Green WELL NO. 5  
 STATE Colorado COUNTY OR PARISH Logan TWP. 9N RANGE 54W SEC. 25  
 LOCATION OF WELL SW SE NE 347' North and 1029' West of East Quarter Corner

COMMENCED RIGGING UP 7-27-51 COMMENCED DRILLING 7-28-51 COMPLETED DRILLING 8-12-51  
 DAY DRILLER John Maxey McAnloy NIGHT DRILLER W. C. Williams CONTRACTOR True & Brown  
 CABLE FROM \_\_\_\_\_ TO \_\_\_\_\_ ROTARY FROM Surface TO 5022 COMPANY RIG No. 1  
 TOTAL DEPTH 5022 MEASURED BY Schlumberger & Contractor ELEVATION 4195.85 ground  
P.B.T.D. 5015 4205.85

### CASING RECORD

SIZE	WEIGHT	PUT IN WELL		PULLED OUT		LOST IN WELL		SHOES		PACKERS		
		FEET	INS.	FEET	INS.	FEET	INS.	LENGTH	MAKE	KIND	LENGTH	SET AT
10-3/4	32.75	156	53					1.15	Howco Guide			FT.
								1.50	Howco Float Collar			FT.
7	23	2922	18					1.60	Howco Float			FT.
								1.34	Howco / Collar			FT.
7	20	2,103	50									FT.
10-3/4	cemented at	168.03	K.B.	w/150	sk	regular cement	2% calcium chloride					by Howco
7	"	"	5020	K.B.	w/150	"	"	"	2% Gel			by Howco

WAS CASING CEMENTED? Yes IF SO, HOW MANY SACKS OF CEMENT USED? As stated above  
 LINER: STATE SIZE AND WEIGHT \_\_\_\_\_ WHERE SET \_\_\_\_\_ FT. AND INS. BLANK \_\_\_\_\_ FT. AND INS. PERFORATED \_\_\_\_\_  
 HOW PUT TOGETHER \_\_\_\_\_ COUPLING \_\_\_\_\_ FLUSH-JOINT \_\_\_\_\_ INSERTED \_\_\_\_\_  
 REMARKS: 8-11-51 7" csg was perforated from 4893-4904 w/66-15/32 holes (6 per ft) using Lane Wells Conventional Gun

### EQUIPMENT RECORD

TUBING				SUCKER RODS			PUMPING OUTFIT
SIZE	WEIGHT	FEET	INS.	FEET	INS.	SIZE AND KIND	DESCRIPTION, KIND, SIZE, ETC.
2-7/8	6.5	4882	39				

FLOWING, PUMPING, GASSEY OR DRY Flow PRODUCTION FIRST 17 HOURS 492/open flow test PRODUCTION SETTLED prod pro-rated  
 IF GAS WELL, OPEN FLOW CAPACITY \_\_\_\_\_ SHUT IN PRESSURE 21 hours 624 B.O. no water ROCK PRESSURE \_\_\_\_\_  
 KIND OF SHOT \_\_\_\_\_ SIZE OF SHOT, QUARTS \_\_\_\_\_  
 NUMBER OF SHELLS \_\_\_\_\_ SIZE OF SHELLS \_\_\_\_\_ INCHES, DIAMETER \_\_\_\_\_  
 LENGTH OF SHELLS \_\_\_\_\_ FEET \_\_\_\_\_ INCHES \_\_\_\_\_ TOP OF SHOT \_\_\_\_\_  
 BOTTOM OF SHOT \_\_\_\_\_ ANCHOR \_\_\_\_\_ WELL BRIDGED TO \_\_\_\_\_  
 TOTAL DEPTH OF WELL \_\_\_\_\_ NUMBER OF SHOT \_\_\_\_\_ PRODUCTION BEFORE SHOT \_\_\_\_\_ BBLs. PER DAY \_\_\_\_\_  
 PRODUCTION AFTER SHOT \_\_\_\_\_ BBLs. PER DAY. SHOT FURNISHED BY \_\_\_\_\_  
 NAME OF SHOOTER \_\_\_\_\_ SHOT INSPECTED \_\_\_\_\_ BY \_\_\_\_\_ (COMPANY EMPLOYEE)  
 COMMENCED DRILLING DEEPER \_\_\_\_\_ COMPLETED \_\_\_\_\_ DRILLING DEEPER \_\_\_\_\_  
 TOTAL DEPTH \_\_\_\_\_ PRODUCTION FIRST 24 HOURS \_\_\_\_\_ PRODUCTION SETTLED \_\_\_\_\_

REMARKS: Surface casing was cemented to surface & rector type 4M casing head installed. A rector type R tubing head installed. A temperature survey was run to determine cement top behind 7" casing and found at approximately 3810'.

NOTE: IF WELL WAS DRY, STATE UNDER REMARKS, WHEN, HOW, AND BY WHOM PLUGGED. STATE UNDER REMARKS ANYTHING OF INTEREST NOT COVERED IN LOG. IF THE SPACE PROVIDED FOR REMARKS IS NOT SUFFICIENT WRITE ON BOTTOM OF LAST SHEET OF LOG.

Signed: WALTER RAND

TTF (2)  
 U. of Colo (1)  
 Sch of Mines (1)  
 CGCC (1)  
 WR (1)  
 EWO (1)

TOTAL NUMBER OF SHEETS 3

## LOG OF WELL

SHEET No. 2District Rocky Mt. Owner The Texas Co. Farm C.F.Green "A" Well No. 5

FORMATION		AMOUNT	COLOR	HARD OR SOFT	DEPTH CORES TAKEN	REMARKS
Tertiary	Surface	870				Gravels and alluvium of gray and pink quartz rounded pebbles.
Pierre Shale	870	3177				Dark gray to black clay shale, few calcareous beds, soft and gummy, with stringers of limestone and fish scales in places.
Niobrara (Lime)	4047	393				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	4440	202				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)	4642	8				Limestone, brown, dense hard, cherty looking. Sandy limestone to very fine and limey sandstone hard, tight and gray.
Graneros Shale	4650	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 "D"	4892	34				Sandstone, very fine to fine and well sorted grains angular to sub angular, light gray where barren, mostly noncalcareous, little or no cementation.
Base Upper Sands	4926	67				
Dakota "J" Sands	4993	29				
Schlumberger T. D.	5022					

# LOG OF WELL

SHEET No. 3

District Rocky Mt. Owner The Texas Co. Farm C. F. Green "A" Well No. 5

FORMATION	AMOUNT	COLOR	HARD OR SOFT	DEPTH CORES TAKEN	REMARKS
<u>Core Record</u>					
Core #1 from 4997 to 5022					
4997 - 5000	3				Sandy shale
5000 - 5001½	1½				Sandy shale w/scattered oil stain.
5001½ - 5006½	5				Sand fine grain, oil saturated, hard.
5006½ - 5014	7½				Sand & shale interlaminated barren.
5014 - 5019	5				Shale black.
5019 - 5022	3				Sandy shale.
<u>Drill Stem Test Record</u>					
Drill Stem Test #1 - August 6, 1951					
Packer set at 4999					
Total depth 5022					
Length of test - 1 hour 10 minutes.					
Tool opened with gas to surface in 18 minutes & flowed at rate of 130 mcg.					
Recovered 270' of free oil and 205' of mud cut oil.					
The shut in pressure was recorded for 15 minutes at 1250 psi.					
Final flow pressure 375 psi.					
<u>Formation Tops From Schlumberger Electric Log</u>					
4206 Kelly Bushing Elevation					
Tentative Base Tertiary - Top Pierre			870 /	3336	
Niobrara			4047 /	159	
Fort Hayes			4394 -	188	
Carlisle			4440 -	234	
Tentative Greenhorn			4642 -	436	
Graneros			4650 -	444	
Dakota "D" Sand			4892 -	686	
Base upper sands			4926 -	729	
Dakota "J" Sands			4993 -	787	
Schlumberger Total Depth			5022 -	816	