



00255487

LOG OF WELL

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

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 Maxine 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

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			FT.
7	23	2922	18					1.60	Howco Float			FT.
								1.34	Howco			FT.
7	20	2,103	50									FT.
10-3/4 cemented at 168.03 K.B. w/150 sks regular cement 2% calcium chloride by Howco												
7	"	"	5020	K.B.	w/150	"	"	"	2% Gel	by Howco		FT.
												FT.

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(6per 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, GASSER OR DRY Flow PRODUCTION FIRST 24 HOURS 17 492/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

TOTAL NUMBER OF SHEETS 3

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

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 noncarcareous, little or no cementation.
Base Upper Sands	4926	67				
Dakota "J" Sands	4993	29				
Schlumberger T. D.	5022					

LOG OF WELL

SHEET No. 3District 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.

Drill Stem Test Record

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 mcf.

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.

Formation Tops From Schlumberger Electric Log

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