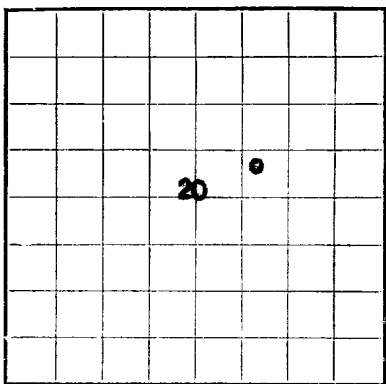


U. S. LAND OFFICE Santa FeSERIAL NUMBER 080517

LEASE OR PERMIT TO PROSPECT _____



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Southern Union Gas Company Address 1001 Burt Building
Lessor or Tract Payne Field Blanco State New Mexico
Well No. 3 Sec. 20 T. 32N R. 10W Meridian N.M.P.M. County San Juan
Location 1680 ft. XX of N Line and 1620 ft. XX of E Line of Sec. 20 Elevation 6214'
(Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed

A. M. Wiederkehr
A. M. Wiederkehr
Title Manager Exploration Dept.Date 12-29-54

The summary on this page is for the condition of the well at above date.

Commenced drilling 7-5, 1954 Finished drilling 8-14, 1954

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2995' to 3115' (G) No. 4, from _____
No. 2, from 4555' to 4695' (G) No. 5, from _____
No. 2, from 5300' to 5402' (G) No. 6, from _____

IMPORTANT WATER SANDS

No. 1, from _____ to _____ No. 3, from _____ to _____
No. 2, from _____ to _____ No. 4, from _____ to _____

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
<u>10-3/4"</u>	<u>32.7#</u>	<u>4</u>	<u>H&O</u>	<u>227'</u>					<u>Surface</u>
<u>7"</u>	<u>23.4#</u>	<u>4</u>	<u>H&O</u>	<u>4880'</u>					<u>Production</u>
<u>5-1/2"</u>	<u>25.5#</u>	<u>4</u>	<u>H&O</u>	<u>5300'</u>					
<u>2-3/8"</u>	<u>4.70#</u>	<u>13.3</u>	<u>J-55</u>	<u>5555'</u>					

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>10-3/4"</u>	<u>237' DF</u>	<u>150</u>	<u>Halliburton</u>		
<u>7"</u>	<u>4880' DF</u>	<u>250</u>	<u>"</u>		
<u>5-1/2"</u>	<u>5304' DF</u>	<u>300</u>	<u>"</u>		
<u>2-3/8"</u>	<u>5457'</u>				

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____
Adapters—Material _____ Size _____

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
<u>Sand-oil</u>	<u>treated w/20,000 gallons of oil and 7100# sand from 5304-5555 T.D.</u>	<u>Oil</u>				
<u>unloaded</u>	<u>from hole.</u>					

TOOLS USED

Rotary tools were used from 0 feet to 5555' feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

8-16, 1954 Put to producing _____, 19____

The production for the first 24 hours was _____ barrels of fluid of which _____% was oil; _____% emulsion; _____% water; and _____% sediment. Gravity, °Bé. _____

If gas well, cu. ft. per 24 hours 1670.38 MCF Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. 1082# S.I. 12/days

EMPLOYEES

San Juan Drilling Company, Driller J. R. McClain, Driller
L. S. Pible, Driller Jerry Clay, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>TOPS:</u>			
<u>Pictured Cliffs</u>	<u>3000'</u>		
<u>Lewis</u>	<u>3110'</u>		
<u>Cliff House</u>	<u>4500'</u>		
<u>Point Lookout</u>	<u>5300'</u>		
	<u>TD - 5555'</u>		

FROM—

TO—

TOTAL FEET

[OVER]

FORMATION

16-43094-3

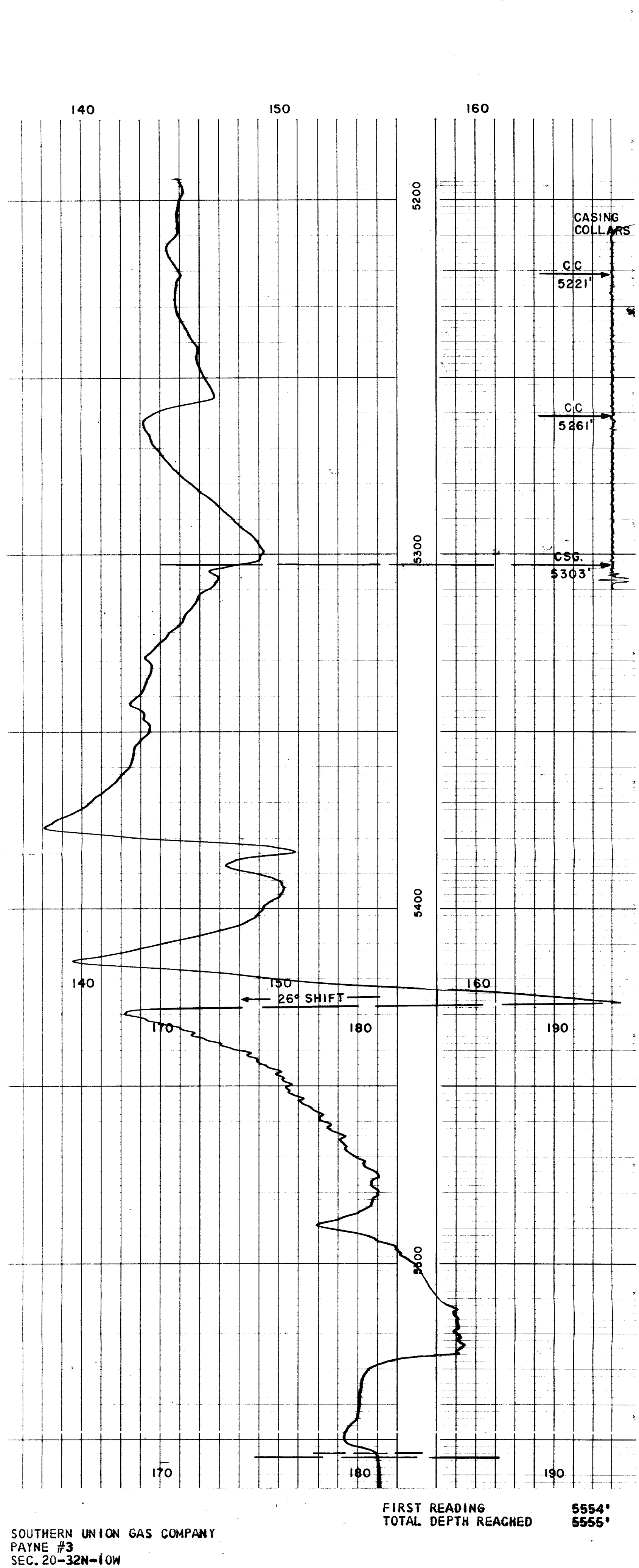
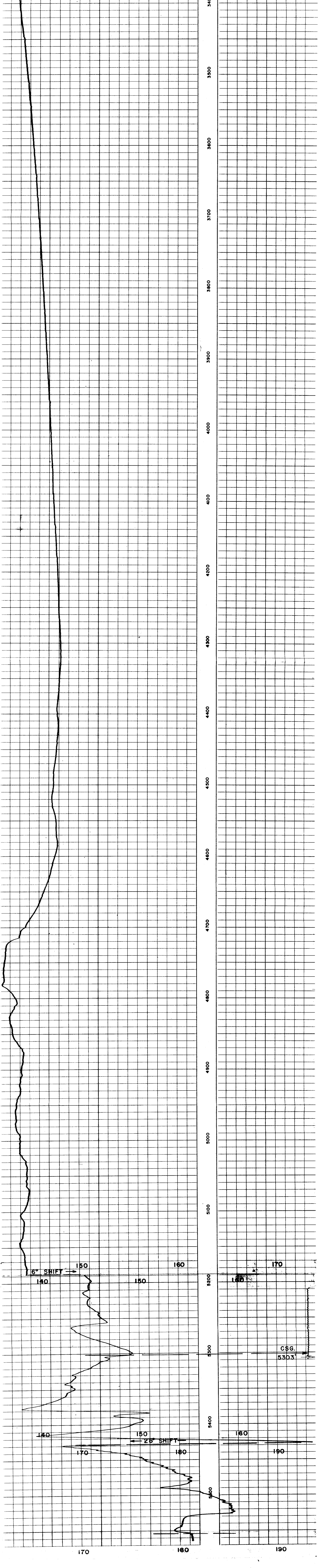
FORMATION RECORD—Continued

SCHUMBERGER WELL SURVEYING CORPORATION FLOYD, TEXAS		Temperature Log	
COUNTY SAN JUAN FIELD or LOCATION BLANCO WELL PAYNE #3		COMPANY SOUTHERN UNION GAS COMPANY WELL PAYNE #3	
LOCATION SEC. 20-32N-10W		TEMP (GRN) 1680° FR N/L 1680° FR E/L SEC. 20-32N-10W	
COUNTY SAN JUAN		Elevation D.F. 6216.7 K.B. 6206.7 or G.L. 6206.7	
STATE NEW MEXICO		FLUING No. 1330	
Date 8-14-54		Time Started 1130 Time Finished 1330	
First Reading 5554		Last Reading 5554	
Footage Measured 5554		Max. Depth Reached 5554	
Bottom Driller 4374		Bottom Driller 4374	
Casing Size 7" SURF. TO 4873' 5 1/2" SURF. TO 5303'		Depth Datum KB	
Mud Data DRY-GAS Resistivity 185		Fluid Level 185	
Max. Temp. 185		Circulation Date 8-14-54	
Circulation Date 8-14-54		Time Started 1130 Time Finished 1330	
A. Cement Top Date Released 8-14-54		Time Released 1330	
2. Amount Cement 0.15		Time Released 1330	
3. Calculated Top 0.15		Time Released 1330	
4. Depth of Plug 0.15		Time Released 1330	
B. Location of Oil and Gas 0.15		Time Released 1330	
1. Casing Shoe Driller 1185ARM		Time Stopped 1330	
2. Core Drilling Stopped 1185ARM		Time Stopped 1330	
Truck Used By DANIELS		Witnessed By VANDERSALICE	

REMARKS **RUN ONE GAS ZONE DETERMINATION**

DEPTH **2" = 100'**
L R
3300'

TEMPERATURE ° F.
10° F. = 100 DIVISIONS



SOUTHERN UNION GAS COMPANY
PAYNE #3
SEC. 20-32N-10W
SAN JUAN, NEW MEXICO
ELEV. 6206' G.L.

FIRST READING **5554°**
TOTAL DEPTH REACHED **5555°**