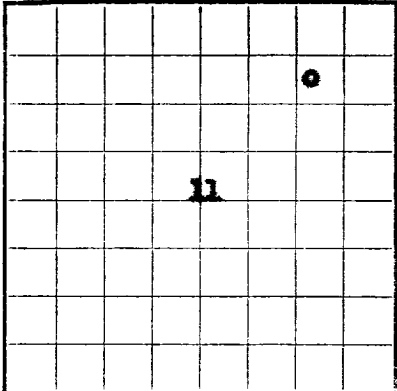




LOCATE WELL CORRECTLY

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER SP 070508
LEASE OR PERMIT TO PROSPECT _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Southern Union Gas Company Address 1001 Surt Building, Dallas, Texas
Lessor or Tract Northman Field Blanco NW State New Mexico
Well No. 3 Sec. 11 T. 31N R. 9W Meridian N.M.P.M. County San Juan
Location 1075 ft. N. of 4 Line and 790 ft. E. of W Line of Section 11 Elevation 6163
(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 [Signature]
L. S. Mammink Exploration Engineer
Date August 1, 1957

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

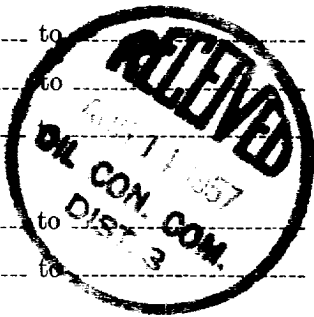
Commenced drilling 4-30, 1957 Finished drilling 5-21, 1957

OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1, from 4945 to 5506 (G) No. 4, from _____ to _____
No. 2, from _____ to _____ No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____

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>32.75</u>	<u>8RD</u>	<u>4-40</u>	<u>233'</u>					<u>Surface Production</u>
<u>7-5/8</u>	<u>26.4</u>	<u>8RD</u>	<u>3-9</u>	<u>5507'</u>					
<u>5-1/2</u>	<u>25.25</u>	<u>8RD</u>	<u>1-55</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>283 RCB</u>	<u>225</u>	<u>Halliburton</u>		
<u>7-5/8</u>	<u>3186 RCB</u>	<u>150</u>	<u>Halliburton</u>		
<u>5-1/2</u>	<u>5506 RCB</u>	<u>230</u>	<u>Halliburton</u>		
<u>2</u>	<u>5505</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>Perf. 4 shots per ft. 5506-492, 5500-5497, 5493-50, 5481-78, 5469-64; 8 shots per ft. 5452-20, 5448-5374, 5461-14, 5125-13, 5106-5098, 4956-4960, 4948-4945, trace with 85,000 gals. water, 75,000 sand and 200 rubber balls.</u>						

TOOLS USED

Rotary tools were used from 0 feet to 3187 feet, and from 3187 feet to 5582 feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

_____, 19____ 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 _____ Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. 4410 MCP
1074 SICP

EMPLOYEES

_____, Driller _____, Driller
Gardner Bros. Drilling Co. _____
M. V. Burns _____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>285</u>	<u>285</u>	<u>Hard Sandstone & shale</u>
<u>285</u>	<u>244</u>	<u>19</u>	<u>Shale</u>
<u>244</u>	<u>1008</u>	<u>764</u>	<u>Sand & shale</u>
<u>1008</u>	<u>1504</u>	<u>496</u>	<u>Shale</u>
<u>1504</u>	<u>2389</u>	<u>885</u>	<u>Sand & shale</u>
<u>2389</u>	<u>2388</u>	<u>59</u>	<u>Shale</u>
<u>2388</u>	<u>2957</u>	<u>569</u>	<u>Sand & shale</u>
<u>2957</u>	<u>3187</u>	<u>230</u>	<u>Sand, shale & coal</u>
<u>3187</u>	<u>4715</u>	<u>1528</u>	<u>Shale</u>
<u>4712</u>	<u>5088</u>	<u>376</u>	<u>Sand & shale</u>
<u>5088</u>	<u>5522</u>	<u>434</u>	<u>Sand, shale & coal</u>
<u>5582</u>	<u>5582 TD</u>	<u>60</u>	<u>Sand & shale</u>
			TOPS:
			Pictured Cliffs 3008
			Cliff House 4942
			Point Lookout 5310

