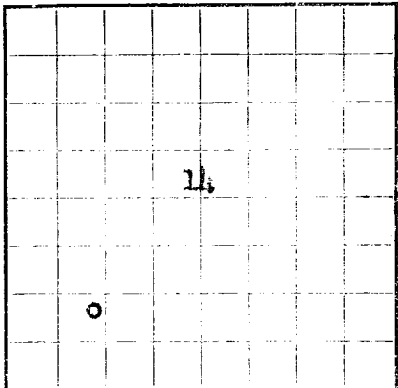


Form 9-330

U. S. LAND OFFICE SANTA FE
SERIAL NUMBER 078505
LEASE OR PERMIT TO PROSPECT _____



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company SOUTHERN SMOKE GAS CO. Address Fidelity Union Tower Bldg., Dallas, Tex.
Lessor or Tract Section 14 Field Blanco N.V. State New Mexico
Well No. 6 Sec. 14 T. 31R. 2N Meridian N.A.P.M. County San Juan
Location 790 ft. N. of 3 Line and 1035 ft. E. of W Line of Sec. 14 Elevation 6215
(Derrick floor relative to 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 Gilbert D. Noland Jr.
Title Drilling Superintendent

Date December 11, 1960

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

Commenced ~~drilling~~ re-work Aug. 26, 19 60 Finished ~~drilling~~ re-work October 24, 19 60

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

No. 1, from 4888 to 5650 (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>9-5/8"</u>	<u>36.0%</u>	<u>8rd.</u>		<u>230'</u>	<u>bell Jt.</u>				<u>Surface</u>
<u>7"</u>	<u>20.0%</u>	<u>8rd.</u>		<u>3350.42</u>	<u>Baker</u>				<u>Intermediate</u>
<u>5"</u>	<u>15.0%</u>	<u>8rd.</u>	<u>3158.70 ft. Top</u>	<u>5689.70 ft. Bottom</u>		<u>4888</u>	<u>5650</u>		<u>Production</u>

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>9-5/8"</u>	<u>230'</u>	<u>175 sacks</u>	<u>Halliburton</u>		
<u>7"</u>	<u>3350.42</u>	<u>135 sacks</u>	<u>Halliburton</u>		
<u>5"</u>	<u>5689.70</u>	<u>265 sacks</u>	<u>Halliburton</u>	<u>5" set as liner. Top at 3158.70</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>Perfs. were sand water fractured w/ 20,000# 20-40 sand and 99,456 gallons of water.</u>						

TOOLS USED

Rotary tools were used from 0 feet to 5690 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

Well gauged 11/3, 19 60 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 3734 Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. 942 psi. 9 day shut-in.

EMPLOYEES

Gardner Bros. Drilling Co., Driller J. C. Freyburger, Driller
A. V. Brandon, Driller E. A. Williams, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>265</u>	<u>265</u>	<u>Sand & Shale</u>
<u>265</u>	<u>1960</u>	<u>1695</u>	<u>Shale & sand</u>
<u>1960</u>	<u>2815</u>	<u>855</u>	<u>Shale</u>
<u>2815</u>	<u>2980</u>	<u>165</u>	<u>Fruitland sand & shale</u>
<u>2980</u>	<u>3138</u>	<u>158</u>	<u>Sand & Shale</u>
<u>3138</u>	<u>4905</u>	<u>1767</u>	<u>Shale</u>
<u>4905</u>	<u>4965</u>	<u>60</u>	<u>Sand</u>
<u>4965</u>	<u>5260</u>	<u>295</u>	<u>Sand & Shale</u>
<u>5260</u>	<u>5325</u>	<u>65</u>	<u>Coal, Sand & Shale</u>
<u>5325</u>	<u>5696 T.D.</u>	<u>371</u>	<u>Sand & Shale</u>

Top Pictured Cliffs 4825
Top Cliff House 4805 - Pay
Top Point Lookout - 5263 Pay.

1. The first step is to identify the problem or question that needs to be answered. This involves understanding the context and the specific requirements of the task.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

NEW S&W NO. 10 CO.

Y17-00000-1347-0000

I have the honor to acknowledge the receipt of your letter of the 11th inst. and in reply to inform you that the same has been forwarded to the proper authorities for their consideration.

Very respectfully,
 J. M. Smith

[illegible]

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If pigs or bridges were put in to test for water, state kind of material used, position, and results of pumping or pulling.

HISTORY OF OIL OR GAS WELL

16-48094-2 U. S. GOVERNMENT PRINTING OFFICE

[illegible]