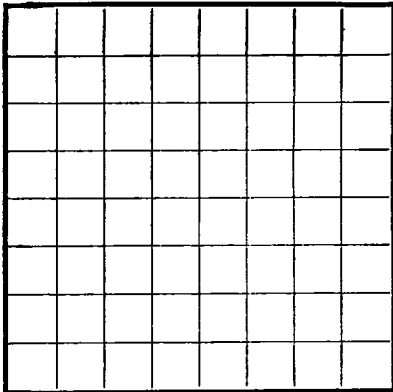


U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 069054
LEASE OR PERMIT TO PROSPECTUNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

COMPANY FORMERLY: Rowan Oil Company
Texas Pacific Coal & Oil Company Address Box 2110, Fort Worth 1, Texas
Lessor or Tract Federal Field South Sawyer State New Mexico
Well No. 1 Sec. 33 T. 9-S R. 38-E Meridian N-M-P-M County Lea
Location 660 ft. N. of S Line and 660 ft. E. of E Line of Sec. 33 Elevation 3924 DF
(Derick floor relative to A. 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

R. W. Hines
Title Manager of ProductionDate 9-17-58

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

Commenced drilling December 16, 1957 Finished drilling January 4, 1958

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 4950 to 4978 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>8 5/8</u>	<u>28 & 32</u>			<u>383</u>	<u>None</u>				<u>Surface</u>
<u>5 1/2</u>	<u>5031</u>			<u>5032</u>	<u>None</u>		<u>4950</u>	<u>4978</u>	<u>Oil string</u>
HISTORY OF OIL OR GAS WELL									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>8 5/8</u>	<u>383</u>	<u>200</u>	<u>Halliburton</u>	<u>Native</u>	<u>None</u>
<u>5 1/2</u>	<u>5031</u>	<u>300</u>	<u>Thru Drill Pipe</u>	<u>Gal 10%</u>	<u>850 Sacks</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

TOOLS USED

Rotary tools were used from 0 feet to 5032 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

Put to producing January 12, 1958
The production for the first 24 hours was 314 barrels of fluid of which 50 % was oil; _____ %
emulsion; 50 % water; and _____ % sediment. Gravity, °Bé. 27.0
If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. _____

EMPLOYEES

Keating Drilling Company, Driller _____, Driller
_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>1420</u>	<u>1420</u>	<u>Clay & Red Beds</u>
<u>1420</u>	<u>1957</u>	<u>537</u>	<u>Red Bed</u>
<u>1957</u>	<u>2262</u>	<u>305</u>	<u>Shale & Anhy.</u>
<u>2262</u>	<u>2557</u>	<u>295</u>	<u>Anhy. & Salt</u>
<u>2557</u>	<u>3320</u>	<u>663</u>	<u>Anhy., Sh., Salt</u>
<u>3320</u>	<u>3921</u>	<u>601</u>	<u>Anhy., Gyp., Salt</u>
<u>3921</u>	<u>4235</u>	<u>314</u>	<u>Anhy.</u>
<u>4235</u>	<u>4478</u>	<u>243</u>	<u>Anhy. & Salt, Lime</u>
<u>4478</u>	<u>4553</u>	<u>75</u>	<u>Anhy. & Lime</u>
<u>4553</u>	<u>4581</u>	<u>28</u>	<u>Anhy., Salt, Lime</u>
<u>4581</u>	<u>4658</u>	<u>77</u>	<u>Lime</u>
<u>4658</u>	<u>4762</u>	<u>104</u>	<u>Lime</u>
<u>4762</u>	<u>5032</u>	<u>270</u>	<u>Lime</u>

FORMATION RECORD—Continued

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.

LEW 240 80 110 70 200

A blank sheet of white paper with a light gray grid pattern. The grid consists of small squares, typical of graph paper used for mathematics or design. There are no markings, text, or drawings on the page.

The information provided by the above sources is being furnished to you for your information and is not intended to be used as evidence.

Sincerely,
[Signature]

...the condition of the ...

HISTORY OF OIL OR GAS WELL

10-43084-2 U. S. GOVERNMENT PRINTING OFFICE

FROM	TO	TOTAL FEET	FORMATION
			FORMATION RECORD
			EMPLOYERS
			DATES
			TOOLS USED
			SHOOTING RECORD
			PLACES AND ADAPTATIONS
			MINING AND CEMENTING RECORD