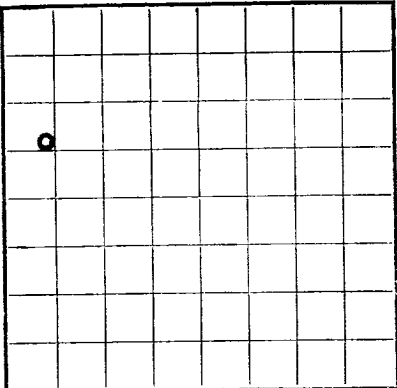


U. S. LAND OFFICE
SERIAL NUMBER
LEASE OR PERMIT TO PROSPECT

Contract No. 14-20-003-1434
UNITED STATES

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company The Texas Company Address Box 1221, Pampa, Texas
Lessor or Tract Navajo Indian Allotted Lands State New Mexico
Well No. 1 Sec. 23 T. 25N R. 11W Meridian NMPM County San Juan
Location 1860 ft. N of N Line and 660 ft. E of E Line of Sec. 23 Elevation 6456
(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 _____

Date April 15, 1957 Title Asst. Dist. Supt

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

Commenced drilling _____, 19____ Finished drilling _____, 19____

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 4945 to 4957 No. 4, from _____ to _____
No. 2, from 4966 to 4978 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—	
9-5/8"	32.3	8-8	Sals.	255		None			
5-1/2"	14.6	8-8	Sals.	3067		None			
	15.5	8-8	Sals.						

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9-5/8"	267	250	Halliburton		
5-1/2"	5078	500	Halliburton		

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 _____ feet to _____ feet, and from _____ feet to _____ 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. _____

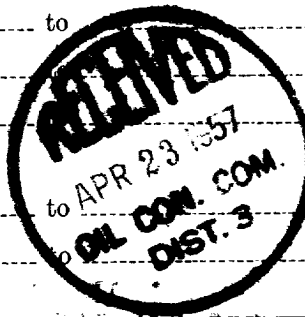
EMPLOYEES

_____, Driller _____, Driller
_____, Driller _____, Driller
Arlon Gray J. T. Toney

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	120	120	Sand
120	280	160	Sand & Shale
280	346	66	Shale
346	525	179	Sand
525	2208	1683	Sand & Shale
2208	2310	102	Shale
2310	3872	562	Sand & Shale
3872	4026	154	Shale
4026	5020	994	Sand & Shale
5020	5097	59	Sand
	5052		Plugged back depth

All measurements from derrick floor, 12' above ground.

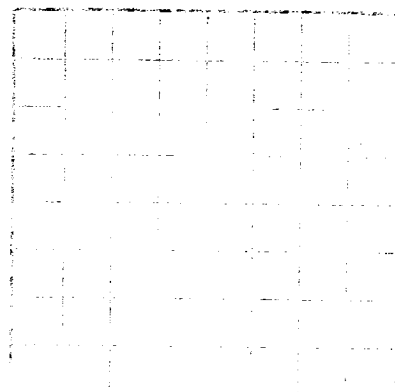


FOLD HERE

ESTATE CENTRAL

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

REF ID: A66010



Y. S. CHEN, J. H. CHEN, AND C. C. CHEN

[illegible]

1. The first step in the process of identifying a problem is to define the problem. This involves identifying the symptoms of the problem and determining the scope of the problem. Once the problem has been defined, the next step is to identify the causes of the problem. This involves identifying the factors that are contributing to the problem and determining the root cause of the problem. Once the causes of the problem have been identified, the next step is to develop a plan to address the problem. This involves identifying the actions that need to be taken to address the problem and determining the resources that will be needed to implement the plan. Once a plan has been developed, the next step is to implement the plan. This involves taking the actions that have been identified in the plan and monitoring the progress of the plan. Finally, the last step in the process is to evaluate the results of the plan. This involves determining whether the plan has been successful in addressing the problem and identifying any lessons learned from the process.

ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED

$$D = \frac{1}{2} \frac{d}{dt} \log \det g(t)$$

BEING SETAW THAT SCENE

and 3.04

02 May 1964

after drilling to 5079', and cementing 5-1/2" casing, top of cement was found at 5092' (D.M.). Perforated 5-1/2" casing 4965' to 4957' and 4966 to 4976'. with 4 feet per foot. ran tubing to 4992 and treated with 500 gallons mud acid. while swabbing, well commenced to flow.

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 plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

HISTORY OF OIL OR GAS WELL.

16-43094-2 U. S. GOVERNMENT PRINTING OFFICE

FROM-	TO-	TOTAL FEET	FORMATION
0 to 285'	- 12-1/4"	285 to 5079'	- 8-3/4"
CEMENTING RECORD 1244' - 1-1/4" 2200' - 1/4" 3300' - 1-1/2" 3872' - 1-3/4" 4470' - 3" 4920' - 2"			
255' of 9-5/8" casing cemented at 267' with 250 sacks cement. Cement circulated. 5067' of 5-1/2" casing cemented at 5078' with 500 sacks cement. Top of cement 3735'.			