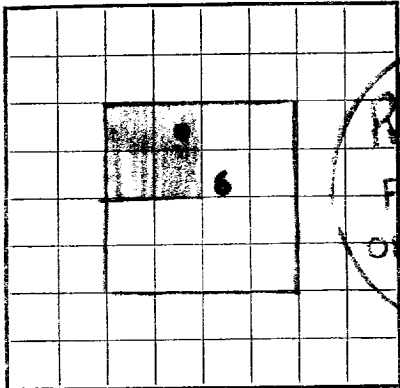


U. S. LAND OFFICE Santa Fe
SERIAL NUMBER SF 080515-A
LEASE OR PERMIT TO PROSPECT _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Shaw-Alan Oil Company Address 1402 Denver U. S. National Center
Lessor or Tract Federal Lease SF 080515-A Field S. Blanco-P. Cliffs State New Mexico
Well No. 1 Sec. 6 T. 23N R. 1W Meridian N.M.P.M. County Albuquerque
Location 990 ft. N of 4 Line and 1650 E of 4 Line of 34 Elevation 7475
(Vertical 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 Richard S. Hunt Title Manager of Lands & Exploration
Date February 7, 1962

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

Commenced drilling 10-15, 1961 Finished drilling 10-20, 1961

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

No. 1, from 3200 to 3220 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 2990 to 3072 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—	
8 5/8"	36	8	CFI	100		3200	3200	3220	Production
4 1/2"	20	8	CFI	3240		3220	3220	3240	
1 7/8"	2.5	8	CFI	3245		3240	3240	3245	

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8"	100	50	Halliburton		
4 1/2"	3240	100			

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 3240 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

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 1300 MCF Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. _____

EMPLOYEES

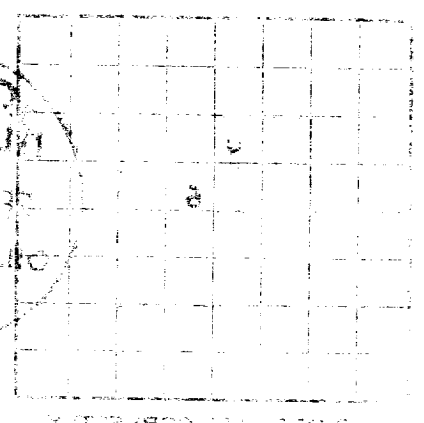
Rayco Drilling, Driller _____, Driller
_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
2990			Ojo Alamo
3072			Kirtland
3190			Pictured Cliffs
			Sand-water frac down in 1 1/2" casing; 25 ⁰⁰⁰ gallons water, 30,000 20-40 sand. Breakdown pressure, 3400 p.s.i. Treat- ing pressure 1900-2000 p.s.i. Injection rate 43.5 B.P.H.

U. S. GEOLOGICAL SURVEY
DEPARTMENT OF THE INTERIOR
WASHINGTON, D. C.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



LOG OF OIL OR GAS WELL

General description of the well, including location, depth, and other pertinent information. This section typically contains a detailed narrative of the drilling process, the geological formations encountered, and the results of various tests and measurements. It may also include a list of the equipment and tools used during the operation.

IMPORTANT WATER CHANGES

No. 1 from ... to ...
No. 2 from ... to ...

CASING RECORD

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 "struck" or left in the well, give its size and location. If the well has been dynamited, give date, 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

16-43064-2 U. S. GOVERNMENT PRINTING OFFICE

FORMATION RECORD		TOTAL FEET		FORMATION	
FROM-	TO-				
PRODUCTION RECORD					
EMPLOYEES					
TOOLS USED					
SHOOTING RECORD					
PLUGS AND ADAPTERS					
TAPPING AND CEMENTING RECORD					