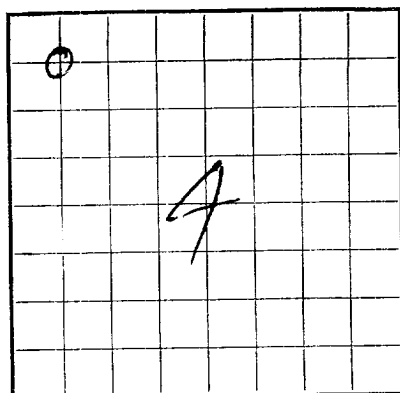




LOCATE WELL CORRECTLY

U. S. LAND OFFICE Las Cruces
 SERIAL NUMBER 063623
 LEASE OR PERMIT TO PROSPECT _____

1960 FEB 24 AM 9:47
UNITED STATES

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Southwestern Hydrocarbon Company Address P. O. Box 578, Roswell, New Mexico
Lessor or Tract Sinclair-Federal Field Undesignated State New Mexico
Well No. 1-D Sec. 4 T. 10S R. 38E Meridian N.M.P.M. County Lea
Location 660 ft. NX of N Line and 660 ft. EX of W Line of Section 4 Elevation 3931' KB
(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.

Date February 19, 1960

Title **Geological Consultant**

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

Commenced drilling January 25, 1960. Finished drilling February 5, 1960.

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 1935 to 1991 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

[illegible]

MUDDING AND CEMENTING RECORD

[illegible]

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 surface feet to 1991 feet, and from _____ feet to _____ feet

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

DATES Completed swabbing new oil at

February 19 19 60 Put to producing February 16, 19 60

The production for the first 24 hours was 156 barrels of fluid of which 30% was oil; -% emulsion; 70% ^{salt} water; and -% sediment. Gravity, °Be. 30° API

If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. -----

EMPLOYEES

Verna Drilling Company, Driller _____, Driller _____

_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	20	20	Caliche and wind blown sand
20	2300	2280	Alternating sands and red & green shales
2300	2920	620	Anhydrite, gypsum, salt and red shale stringers (T. Rustler @ 2300').
2920	4207	1287	Anhydrite, red shale and red sand section of the Yates-Queen-Grayburg formations. (T. Yates Sd @ 2920'. T. Queen Sd @ 3664').
4207	4991	784	Anhydrite and dolomite (San Andres) 4935-4991'. Smpls bleeding oil, good cut str. & flor.

JOYRI

16--43094-4

FROM -	TO -	TOTAL FEET	FORMATION
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[illegible]

HISTORY OF OIL OR GAS WELL

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.

Spudded well on 1-25-60 with Verma Drig. Co. rotary tools. Ran 8-5/8" OD, J-55, 21# surface pipe to 374' and cemented w/215 sacks of cement circulated to surface. Cement set for 24 hrs. before drilling ahead. Drilled 7-7/8" hole to total depth of 4991 feet. Ran electric logs. Ran 4990 feet of 4 1/2" OD, J-55, 9.5#/ft. oil string with 1 foot float shoe to TD of 4991. Located DV tool in oil string at 3197 feet. Cemented with 200 sx of 50-50 percent cement two stages. First stage: Pumped to bottom and circulated 125 sx of 2 1/2 gal leaving 3 1/2 in bottom of pipe. Pump water & wire line behind 1st stage to float collar located 3 1/2 feet off bottom. Pumped second stage of 1 1/2 gal down through DV tool @ 3197' and circulated up across Yates sd. Pumped water & wire line down to DV tool and let set for 30 minutes. Let cement set for 24 hrs. Dried, out DV tool plug and bottom plug to 4978 feet. Perforated w/4 shots per foot (Welex jets) from 4935-40 and 4944-54 feet. Ran 2 inch upset, J-55, tubing to 4935' with Halliburton R-3 packer and set packer in tension at 4863 feet. Swabbed tubing dry. Acidized w/7500 gals. of Dowell XM38 regular acid and flushed tubing w/19.2 bbls. of fresh water. Swabbed back acid water & flush water and began making new oil w/race of gas on 2-15-60. On 10 hr. swab test from 2-15-60 to 2-16-60, swabbed 6.5 bbls. fluid per hour, being 30% oil (gty 30° API) and 70% salt water. Completed well for an oil well on 2-16-60 for a calculated potential of 47 bbls. oil per day and 109 bbls. salt water per day on the swab. GOR: 15TM. Temporally shut in on 2-17-60, installing pump jack and tank battery installation.