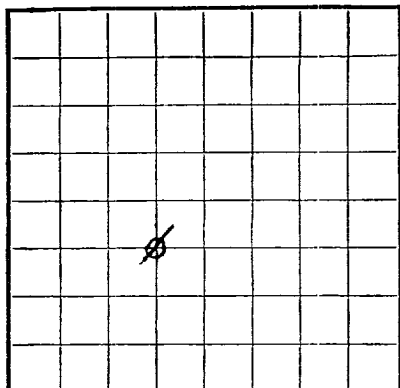


Artesia
U. S. LAND OFFICE
LC 061497
SERIAL NUMBER
LEASE OR PERMIT TO PROSPECT

LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

7508 Aero Vista Blvd.
El Paso, Texas
Company Stephen P. Dillon Address
Lessor or Tract Gulf-Federal Field Wildcat State New Mexico
Well No. 1 Sec. 15 T6S R29 Meridian East County Eddy
Location 1980 ft. [N] of S Line and 1980 ft. [E] of N Line of Section 13 Elevation 2993'
(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 Dan L. Ward

Date January 2, 1959 Title Geologist

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

Commenced drilling June 22, 1958 Finished drilling July 10, 1958

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3206' to 3248' No. 4, from to
No. 2, from 3264' to 3279' No. 5, from to
No. 3, from to No. 6, from to

IMPORTANT WATER SANDS

No. 1, from 190' to 240' 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	34	7-55	355'				3206'	3226'	3226'
4 1/2	21	7-55	3279'				3236'	3241'	3241'
							3237'	3238'	
							3240'	3241'	
							3216'	3224'	

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8	335'	Circulated	Pump		
4 1/2	3279'	100 sacks	Pump		
2" tubing set at 3230'. Packer set at 3199'					

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 3279 feet, and from feet to feet
Cable tools were used from feet to feet, and from feet to feet

DATES

Temporarily abandoned
Put to producing September 2, 1958

The production for the first 24 hours was none 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

Loco Drilling Co., Driller
Driller
Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0'	500'	500'	Sand and shale
500'	1415'	915'	Anhydrite and salt
1415'	2450'	1045'	Anhydrite
2450'	2610'	160'	Salt
2610'	2700'	90'	Anhydrite
2700'	2965'	265'	Salt
2965'	3155'	190'	Anhydrite
3155'	3180'	25'	Black shale
3180'	3279' TD	99'	Sand

U.S. LAND OFFICE
GENERAL NUMBER
CLASS OF PERMIT TO DISPOSE

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of re-drilling, 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 balling. Spudded 6-29-58. Set 6 5/8" surface casing at 325'. Finished drilling 4-30-58. Set 4 1/2" casing to total depth 3251' and cemented with 100 sacks neat cement. 72 hours. Tested 1000'. Perforated 3208'-3226' with 4 jet shots per foot. Swapped 181 BM / 18 BOPD. Swapped dry. Perforated 3226'-3241' with 4 jet shots per foot. Acidized with 250 gallons mud acid. Swapped dry. Squeezed all beris with 50 sacks cement. Ran tubing with packer set at 3201'. Swapped dry. Pumped oil in 3221' and pump in to break emulsion block. Moved packer to 3230' and started pumping in and had returns through casing from packer failed. Tubing and reset packer at 3232'. Swapped and had communications from upper beris. Reset packer at 3202'. Swapped 75% water and 25% oil with 800' fluid in hole and could not swap down. Rigged up pumping unit and pumped 25 BM / 2 BOPD. Squeezed beris 3208'-3226' and 3236'-3241' with 75 sacks 18 BOPD. Resumed in to 1800' and broke down. Re-squeezed with 75 sacks 18 BOPD. Swapped dry. Pumped 6 barrels of oil into formation. Sandtrac beris with 1000 gallons refined oil plus 3/4" sand per gallon. 500' fluid in hole being 88% water. Ran tracer survey and sandtrac had channels from beris 3194'-3199' with 4 jet shots per foot. Swapped water and squeezed beris with 75 sacks neat cement. Cleaned out to 3255'. Ran tubing and set packer at 3200'. Pumped 1000 gallons of oil into beris 3237'-3255' and 3240'-3241'. Swapped 1180 and swapped dry. Perforated 3216'-3224'. Set bridging wire 3236' and packer at 3199'. Swapped dry. Sandtrac beris 3216'-3224' with 1000 gallons refined oil / 3/4" sand per gallon swapped 4 barrels of fluid being 50% water. Swapped dry. Final gauge 6-2-58 swapped 5 1/2" HO / 5 1/2" BOPD. Shut in and temporarily abandoned well 6-2-58.

HISTORY OF OIL OR GAS WELL

[illegible]