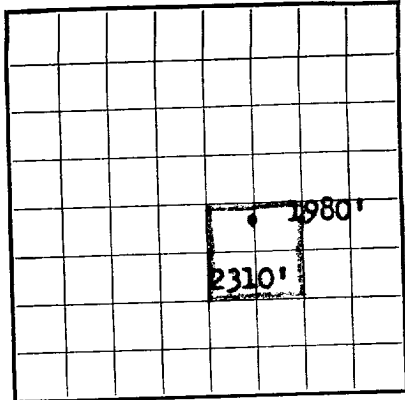


U. S. LAND OFFICE New Mexico
SERIAL NUMBER 04421
LEASE OR PERMIT TO PROSPECT _____



RECEIVED

UNITED STATES
JUL 26 1961
DEPARTMENT OF THE INTERIOR
U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

JUL 27 1961

30-015-04842 O. C. C.
ARTESIA, OFFICE

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY
Standard Oil Company of Texas,
Company A Div. of California Oil Co. Address Drawer "S", Monahans, Texas
Lessor or Tract Federal 14-10 Field (Grayburg) State New Mexico
Well No. 5 Sec. 10 T. 16S R. 31E Meridian NMPM County Eddy
Location 2310 ft. (N.) of S. Line and 1980 (E.) of E. Line of Section 10 Elevation G.L. 4230
(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 J. L. Rowland Title District Engineer
Date July 21, 1961

The summary on this page is for the condition of the well at above date.
Commenced drilling 5-22-61 Finished drilling 5-30-61

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

No. 1, from 3726 to 3792 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—	
8-5/8	24	8 R	J-55	197	Guide				Surface
4-1/2	166	8 R	J-55	3821	Float		3730-40		Oil String
							3773-81		

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8	197	* 125	Pump & Plug	8.9	* Circ-cnt. to surface
4-1/2	3821	** 518	Pump & Plug	9.6	** top cnt. by temp survey at 410'

PLUGS AND ADAPTERS

Heaving plug—Material None 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 3824' TD feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

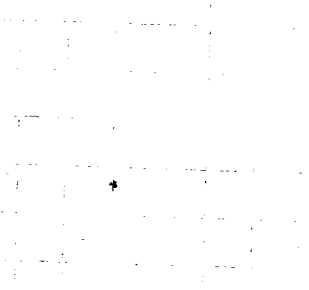
July 13, 1961, 19____ Put to producing July 12, 1961
The production for the first 24 hours was 37 barrels of fluid of which 100 % was oil; _____ %
emulsion; _____ % water; and _____ % sediment. Gravity, °Bé. 35.9 Deg. API
If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. _____

EMPLOYEES

M. L. Young _____, Driller L. D. Funk _____, Driller
L. L. Fraley _____, Driller A. G. Fraley _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
surf	80'	80'	Sand-gravel
80'	340'	260'	Red beds; anhydrite, sand and shale
340'	620'	280'	Sand
620'	970'	350'	Anhydrite, sand and red shale
970'	1170'	200'	Sand and red shale
1170'	1460'	290'	Anhydrite w/sand and shale
1460'	2130'	670'	Red shale, anhydrite and salt
2130'	2430'	300'	Anhydrite and shale
2430'	3030'	600'	Dolomite, shale and anhydrite
3030'	3080'	50'	Sand, shale and anhydrite
3080'	3730'	650'	Anhydrite, dolomite and shale
3730'	3800'	70'	sand, w/oil show and dolomite, anhydrite and shale.
3800'	3824'	24'	Dolomite
		3424 - TD	
			Following are Gamma-Ray log tops: Anhydrite @ 967' Yates @ 2182' Queen @ 3020' Grayburg @ 3398' Premier @ 3726' San Andres @ 3792'



THE UNIVERSITY OF CHICAGO

DATE: 11/11/2009 TIME: 11:00 AM

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gullinn gullinn gullinn gullinn gullinn gullinn gullinn gullinn gullinn gullinn

STATION NO. 21450 21450 21450 21450 21450

[illegible]

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 at 3:00 PM, May 22, 1961. Drilled 11" hole to 198'. Cemented 197' of 8-5/8" 20 #/ft., J-55, STC new casing with 125 lbs regular neat cement. After waiting on cement 24 hours pressure tested casing with 1000 PSI for 30 mins. OK. Drilled 6-3/4" hole to 3708'. Cut 6-3/4" core from 3708 to 3784'. Recovered 76'. Ran and cemented 4-1/2", 11.6#/ft., J-55, STC new casing at 3821 with 518 lbs cement. Circulation good while cementing but did not circulate cement to surface. Ran temperature survey and found top cement at 4401'. Pressure tested 4-1/2" casing with 1500 PSI for 30 mins. OK. After waiting on cement 24 hours. Perforated Premier sand 3730-3740 and 3773-3781' with 2 jets per ft. and fracture treated with 45,000 # sand in 30,000 gals lease oil. Placed well on pump.

HISTORY OF OIL OR GAS WELL

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

FROM-	TO-	TOTAL FEET	FORMATION
			1. 0-1000 2. 1000-2000 3. 2000-3000 4. 3000-4000 5. 4000-5000 6. 5000-6000 7. 6000-7000 8. 7000-8000 9. 8000-9000 10. 9000-10000