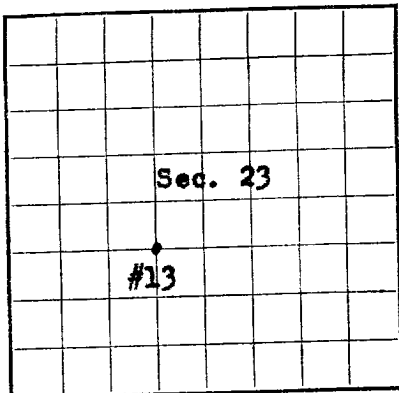


U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 029418-b
LEASE OR PERMIT TO PROSPECT _____

LOCATE WELL CORRECTLY

RECEIVED

UNITED STATES

DEC 20 1961

DEPARTMENT OF THE INTERIOR
U. S. GEOLOGICAL SURVEY
ARRESTA, NEW MEXICO

LOG OF OIL OR GAS WELL

Company Skelly Oil Company Address P.O. Box 38 - Hobbs, New Mexico
Lessor or Tract Lea "B" Field Grayburg Jackson State New Mexico
Well No. 13 Sec. 23 T. 17S R. 31E Meridian N.M.P.M. County Eddy
Location 1980 ft. N. of S Line and 1980 ft. E of W Line of Section 23 Elevation 3873' DF
(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 (ORIGINAL SIGNED) H. E. Aub
Date December 21, 1961 Title Dist. Supt.

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

Commenced drilling November 24, 1961 Finished drilling November 29, 1961

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2405' to 2421' No. 4, from 3578' to 3848'
No. 2, from 3194' to 3450' No. 5, from _____ to _____
No. 3, from 3476' to 3540' 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—	
<u>8-5/8"</u>	<u>24.7</u>	<u>8-R</u>	<u>EW J-55</u>	<u>809'</u>	<u>Guide</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>Surface</u>
<u>4-1/2"</u>	<u>11.5</u>	<u>8-R</u>	<u>AS J-55</u>	<u>3843'</u>	<u>Float</u>	<u>—</u>	<u>3808'</u>	<u>3830'</u>	<u>Oil String</u>
							<u>(intervals)</u>		

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>8-5/8"</u>	<u>816'</u>	<u>325</u>	<u>Pump & Plug</u>		
<u>4-1/2"</u>	<u>3854'</u>	<u>400</u>	<u>Pump & Plug</u>		

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
<u>Treated through 4-1/2" OD casing perfs. 3808-3830' (intervals) with 735 bbls. slick oil, 25,000# 20/40 sand, 1200# Adomite and 500 gals. 15% Reg Acid.</u>						

TOOLS USED

Rotary tools were used from 0 feet to 3854' 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 221 barrels of fluid of which 70% was oil; _____% emulsion; 30% 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

Horigas _____, Driller Williams _____, Driller
Shannon _____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>510</u>	<u>510</u>	<u>Sand & red beds</u>
<u>510</u>	<u>707</u>	<u>197</u>	<u>Anhydrite</u>
<u>707</u>	<u>1660</u>	<u>953</u>	<u>Salt</u>
<u>1660</u>	<u>1823</u>	<u>163</u>	<u>Anhydrite</u>
<u>1823</u>	<u>2180</u>	<u>357</u>	<u>Sand & anhydrite</u>
<u>2180</u>	<u>2796</u>	<u>616</u>	<u>Dolomite, anhydrite & sand</u>
<u>2796</u>	<u>2969</u>	<u>173</u>	<u>Sand & anhydrite</u>
<u>2969</u>	<u>3177</u>	<u>208</u>	<u>Sand</u>
<u>3177</u>	<u>3463</u>	<u>286</u>	<u>Dolomite & sand</u>
<u>3463</u>	<u>3553</u>	<u>90</u>	<u>Sand</u>
<u>3553</u>	<u>3854</u>	<u>301</u>	<u>Dolomite</u>
	<u>3854 Total Depth</u>		
	<u>3843 Plugged Back Total Depth</u>		

GEOLOGICAL TOPS BY SCHLUMBERGER GAMMA GAMMA DENSITY LOG:

Top Anhydrite 510'
Top Salt 707'
Base Salt 1660'
Top Yates 1823'
Top Seven Rivers 2180'
Top Queen 2796'
Top Penrose 2969'
Top Grayburg 3177'
Top Premier 3463'
Top San Andres 3553'

FORMATION RECORD—Continued

[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.

HISTORY OF OIL OR GAS WELL

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