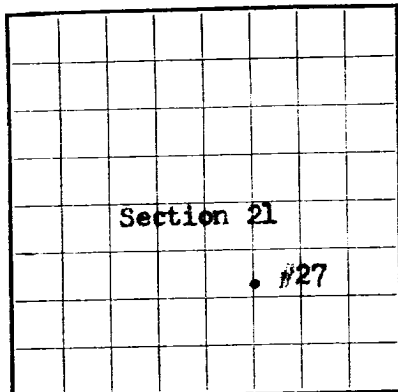


U. S. LAND OFFICE **Las Cruces**
SERIAL NUMBER **029420 (b)**
LEASE OR PERMIT TO PROSPECT

LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company **Skelly Oil Company** Address **Box 38 - Hobbs, New Mexico**
Lessor or Tract **H.N. Dow "B"** Field **Grayburg-Jackson** State **New Mexico**
Well No. **27** Sec. **21** T. **17S** R. **31E** Meridian **NMPM** County **Eddy**
Location **1650** ft. **N** of **S** Line and **1980** ft. **E** of **E** Line of **Section 21** Elevation **3816'** D.F.
(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 **[Signature]** Title **District Superintendent**
Date **January 10, 1958**

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

Commenced drilling **December 4**, 19 **57** Finished drilling **January 1**, 19 **58**OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1, from **3299** to **3353** 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" CD	22.7#	-	Armaco SJ	654'	Float				
7" QD	20#	82	H-40	3299'	Float				

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	663'	150	Halliburton		
7"	3280'	325	Halliburton		

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 _____ feet to _____ feet, and from _____ feet to _____ feet
Cable tools were used from **0** feet to **3353** feet, and from _____ feet to _____ feet

DATES

Put to producing **January 7**, 19 **58**

The production for the first 24 hours was **547.5** barrels of fluid of which **100** % was oil; _____ %
emulsion; _____ % water; and _____ % sediment. Gravity, °Bé. **37.8°**

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

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

Mr. Shelton _____, Driller _____, Driller
Mr. Henderson _____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0'	360'	360'	Sand & redbed
360'	544'	184'	Anhydrite
544'	1506'	962'	Salt
1506'	1664'	158'	Anhydrite
1664'	2024'	360'	Sand & Anhydrite
2024'	2613'	589'	Dolomite & Anhydrite
2613'	2786'	173'	Sand & Anhydrite
2786'	3000'	214'	Sand
3000'	3299'	299'	Dolomite & Sand
3299'	3353'	54'	Sand

GEOLOGICAL TOPS BY FRONTIER GAMMA RAY-NEUTRON LOG:

Top of Anhydrite at **360'**
Top of Salt at **544'**
Base of Salt at **1506'**
Top of Yates at **1664'**
Top of 7-Rivers at **2024'**
Top of Queen at **2613'**
Top of Penrose at **2786'**
TOP OF GRAYBURG AT **3000'**
Top of Premier (GRAYBURG) at **3299'**

1. THE UNITED STATES OF AMERICA
 2. DEPARTMENT OF THE ARMY
 3. OFFICE OF THE CHIEF OF STAFF
 4. WASHINGTON, D. C. 20315

72A. 000 423 0 100 00

Fractured open-hole section 3280-3353, with 29,946 gallons lease oil mixed with 58,000 sand, 1# to 2# per gallon of oil by the Dowell Process. Maximum pressure 2100#, maximum injection rate 36 barrels per minute, average injection rate 34 barrels per minute. Time of treatment 31 minutes. Shut-down pressure 1600#. Left shut-in 15 hours and pressure dropped to 1200#.

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 pings 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

16-43024-2 U. S. GOVERNMENT PRINTING OFFICE

[illegible]

FORMATION RECORD-Continued