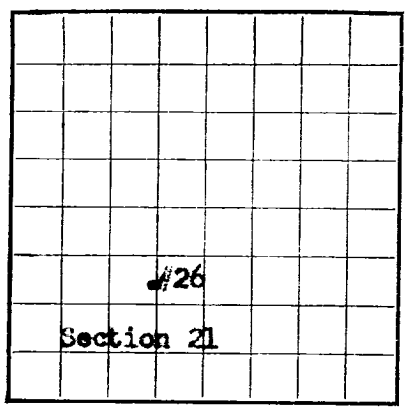
Form 9-330

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

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.M. Dow "B" Field Grayburg-Jackson State New Mexico
Well No. 26 Sec. 21 T. 17S R. 31E Meridian NMPM County Eddy
Location 1650 ft. {N./S.} of S Line and 1980 ft. {E./W.} of W Line of Section 21 Elevation 3812' 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]

Date December 11, 1957 Title District Superintendant

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

Commenced drilling October 28, 1957 Finished drilling November 24, 1957

OIL OR GAS SANDS OR ZONES

(*Denote gas by G*)

No. 1, from 3248' to 3345' 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 From—	Perforated To—	Purpose
OD 8-5/8"	22.7#	-	Armco SJ	660'	Float				
7"	20#	8R	N-40	3270'	Float				

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	660'	150	Halliburton		
7"	3248'	290	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 3345 feet, and from feet to feet

DATES

, 19 Put to producing December 2, 1957

The production for the first 24 hours was 344 barrels of fluid of which 100% was oil; %
emulsion; % water; and % sediment. Gravity, °Bé. 37.9°

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 Mr. Plummer, Driller
Mr. Allen, Driller , Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0'	348'	348'	Sand & Redbed
348'	530'	182'	Anhydrite
530'	1475'	945'	Salt
1475'	1632'	157'	Anhydrite
1632'	1988'	356'	Sand & Anhydrite
1988'	2578'	590'	Dolomite & Anhydrite
2578'	2749'	171'	Sand & Anhydrite
2749'	2963'	214'	Sand
2963'	3275'	312'	Dolomite & Sand
3275'	3345'	70'	Sand

GEOLOGICAL TOPS BY LANE WELLS ELECTRIC LOG
Top of Anhydrite at 348'
Top of Salt at 530'
Base of Salt at 1475'
Top Yates at 1632'
Top of 7-Rivers at 1988'
Top of Queen at 2578'
Top of Penrose at 2749'
Top of Grayburg at 2963'
Top of Premier at 3275'

FOLD | MARK

16—43094-4

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION

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

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.

FRACTURE TREATMENT NO. 1 - 3248-3345':
Broke open-hole formation down with oil at 3600#. Fractured in open-hole 3248-3345' with 30,000 gallons lease oil and 50,000# sand by Western Company. Started mixing sand 1# sand per gallon and gradually increased to 2# sand per gallon at end of treatment. Maximum treating pressure 2300#, minimum 1900#, time of treatment 27 minutes. Maximum injection rate 39.9 barrels per minute, flushed with 432 barrels oil with injection rate of 39.3 barrels per minute. Shut-down pressure 2050#. Left shut-in 13 hours and pressure dropped to 900#.