

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

#2

Section 26

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Skelly Oil Company Address Box 38 - Hobbs, New Mexico
Lessor or Tract Lea "D" Field Grayburg-Jackson State New Mexico
Well No. 2 Sec. 26 T. 17S R. 11E Meridian N.M.P.M. County Eddy
Location 710 ft. NE of N Line and 660 ft. NE of E Line of Sec. 26 Elevation 3855' 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 _____
Date September 8, 1960 Title Dist. Supt.

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

Commenced drilling July 17, 1960 Finished drilling August 22, 1960

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2272' to 2514' No. 4, from 3687' to 3806'

No. 2, from 3297' to 3590' No. 5, from to

No. 3, from 3616' to 3678' 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	NW J-55	837'	Float	—	—	—	Surface
5-1/2"	15.5#	8-R	SS J-55	3860'	Float	—	3584'	3805'	Oil String
							(Intervals)		

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	843'	100	Halliburton	—	—
5-1/2"	3863'	385	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 _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

-----, 19----- Put to producing ----- September 1, 1960

The production for the first 24 hours was 325----- barrels of fluid of which 99.8-----% was oil; -----% emulsion; -----% water; and 2-----% 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

_____ Allen _____, Driller
_____ Wood _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	564	564	Sand & redbeds
564	770	206	Anhydrite
770	1726	956	Salt
1726	1887	161	Anhydrite
1887	2267	380	Sand & anhydrite
2267	2893	626	Dolomite, anhydrite & sand
2893	3067	174	Sand & anhydrite
3067	3290	223	Sand
3290	3602	312	Dolomite & sand
3602	3680	78	Sand
3680	3930	250	Dolomite
	3930	TOTAL DEPTH	

GEOLOGICAL TOPS BY McCULLOUGH GAMMA RAY - NEUTRON LOG:

Top Anhydrite	564
Top Salt	770
Base Salt	1726
Top Yates	1887
Top Seven Rivers	2267
Top Queen	2893
Top Penrose	3067
Top Grayburg	3290
Top Premier	3602
Top San Andrea	3680

FORMATION RECORD—Continued

[illegible]

HISTORY OF OIL OR GAS WELL

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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.

TREATMENT NO. 1 - (SAND-OIL) - 3863-39301.

Ran 2-1/2" tubing to 3769' with packer at 3754'. Filled hole with oil. Spotted 200 gals. Dowell's 15% reg. acid on bottom. Let acid soak one hour. Pressured up to 3850# with one pump truck and acid started feeding. Started up two additional pump trucks and pressure built to 6000# with inj. rate of 10 bbls. per min. Fractured down 2-1/2" OD tubing through open hole 3863 - 3930' with 425 bbls. lease oil, 40,000# 20/40 sand and 600# Adomite by Dowell, Inc. Started pumping into formation with sand mixed 1/4# per gal. and pressure built up to 6450#. Cut out sand and continued pumping in oil, pressure remained at 6450#. Flushed with 70 bbls. oil. Max. pressure 6450#. Max. inj. rate 10 bbls. per min. Min. inj. rate 3 bbls. per min. Shut down pressure 4000#. 4 hours dropped to 2800#.

Pulled 2-1/2" tubing. Set Baker Model "K" C.I. Retainer at 3836'. PBTD 3836'. Perforated 5-1/2" OD casing 3584-89', 3621-28', 3632-36', 3642-46', 3656-60', 3676-78', 3690-94', 3703-05', 3712-18', 3756-62' & 3801-05', a total of 48'-192 holes.

TREATMENT NO. 2 - (SAND-OIL) - 3584-3805'.

Ran 2-1/2" tubing to 3521' with packer at 3515'. Loaded hole with oil and set packer. Pressured to 6100# over 5-1/2" OD casing perfs. 3584-3805' (intervals) and formation would not break. Spotted 500 gals. Dowell 15% reg. acid over perfs. 3584-3805' and let acid soak 1-1/2 hours. Pressured up to 3100# and formation broke. Started up two additional pump trucks and pressure increased to 5300# with inj. rate of 10 bbls. per min. Fractured down 2-1/2" tubing through casing perfs. 3584-3805' with 1355 bbls. lease oil, 83,000# 20/40 sand, 1500# Adomite and 150 ball sealers by Dowell, Inc. Sand mixed 1/4 to 2# per gal. oil. Pumped ball sealers in in 3 stages and pressure increased from 4800 to 5300# after all sealers were pumped in. Max. pressure 5300#. Max. inj. rate 16.2 bbls. per min. Time of treatment 1 hour and 49 minutes. Flushed with 130 bbls. oil. Shut down pressure 1500#; dropped to 1300# in 3 hours.

After recovery of all load oil, well flowed 325 bbls. of oil in 24 hours through 3/4" choke. T.P. 40#, shaleout 2/10 of 1% B.L., corrected gravity 37.3°, GOR 865/1.