

RECEIVED

U. S. LAND OFFICE **New Mexico**
SERIAL NUMBER **NM 077066**
LEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Kewanee Oil Company Address P.O. Box 2239, Tulsa, Oklahoma
 Lessor or Tract Big Circle Field South Tonto Yates State New Mexico
 Well No. 2 Sec. 24 T. 19S R. 32E Meridian NMPM County Lea
 Location 330 ft. (N) of S Line and 330 ft. (E) of W Line of Sec. 24 Elevation 3608 GL
(Derive from 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 E. F. Thompson

Date November 28, 1962 Title Division Superintendent

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

Commenced drilling October 24, 1962 Finished drilling October 31, 1962

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

No. 1, from 2918 to 3098 No. 4, from _____ to _____
 No. 2, from _____ to _____ No. 5, from _____ to _____
 No. 3, from _____ to _____ No. 6, from _____ to _____

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 1962
 AL SURVEY
 MEXICO

IMPORTANT WATER SANDS

No. 1, from _____ to _____ No. 3, from _____ to _____
No. 2, from _____ to _____ No. 4, from _____ to _____

CASING RECORD

[illegible]

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8	305.46'	175	Pump & Plug		Cement Circulated
5-1/2	3168'	740	Pump & Plug		Cement Circulated

PLUGS AND ADAPTERS

Heaving plug—Material Length Depth set

Adapters—Material Size

SHOOTING RECORD

[illegible]

TOOLS USED

Rotary tools were used from 0 feet to 3175 feet, and from _____ feet to _____ feet

Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

-----November 27-----, 1962----- Put to producing -----November 20-----, 1962-----

The production for the first 24 hours was 159.66 barrels of fluid of which 82.4% was oil; -----% emulsion; 17.6% water; and -----% sediment. Gravity, °Bé. 34-----

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

Rock pressure, lbs. per sq. in. -----

EMPLOYEES

C. E. Tucker	Driller	H. J. Romine	Driller
R. E. Shannon	Driller		Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	320	320	Red Bed
320	401	81	Salt
401	887	486	Anhydrite & Shale
887	1160	273	Anhydrite
1160	1367	207	Salt
1367	1611	244	Anhydrite
1611	2735	1124	Salt & Anhydrite
2735	2855	120	Anhydrite, Gyp & Dolomite
2855	2947	92	Anhydrite
2947	2970	23	Dolomite
2970	3020	50	Sand, Dolomite & Shale
3020	3175	155	Dolomite & Anhydrite
	3175		Rotary Total Depth 64
	3130		Plugged Back Total Depth

AT THE END OF COMPTON CRILLER'S LOG, ALEXANDER

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
			Electric Log Tops as follows:
			Anhydrite
			Salt
			Tansil
			Yates
			Yates Dolomite
			2960'-3020' Yates, Tool open 45 min. Opened with weak blow & died in 30 min. Recovered 100' Drilling Mud. ISIP 135# in 60 min., FP 115-125#, FSIP 155# in 105 min., HP 1705#.
			Recovered 50' as follows:
			Sd. lt. gry, fine, tight.
			Dolo., tan, dense.
			Sd. gry, fine, tight, Dolomitic.
			Sp. drk. gry, Dolomitic, Vertical Fractures.
			Sd. wh. gry, soft, oil stain, good odor.
			Vertical Fractures.
			Dolo. gry, fine.
			Sd. gry, fine, good odor, spotted bleeding.
			Dolo. gry, fine, Vuggy.
			Sd. gry, oil stain, good odor w/trace
			Dolo. & Sp.
			Sp. drk. gry.
			Sd. gry to wh. w/Dolo & trace pyrite.
			10-19
			3001-10
			2999-01
			97-99
			94-97
			89-94
			88-89
			82-88
			75-77
			71-80
			80-82
			2970-75
			2970'-3020'
			Two Copies of Core Analysis Report Attached.
			Two Copies of Schlumberger Logs Attached.

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 balling.

11-3-62

Perforated 5-1/2" Casing with 1 - 1/2" Jet at 2987', 2994', 3092' and 3098'. Treated with 150 gals. MCA acid and 5 Ball Sealers. Sand-Oil treated with 20,000 gals. Heavy oil and 40,000# sand.

11-5-62

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FEDERAL BUREAU OF INVESTIGATION
U.S. DEPARTMENT OF JUSTICE
WASHINGTON, D.C. 20535