N. M. O. C. C. COPY

Form 9-330

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

U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 029342 (a)
LEASE OR PERMIT TO PROSPECT U.S.A. Woolley "A"

RECEIVED
AUG 9 1961
U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

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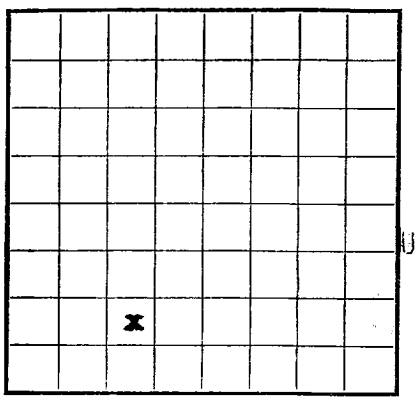
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company Texas Pacific Coal & Oil Company Address P. O. Box 1688, Hobbs, New Mexico
Lessor or Tract U.S.A. Woolley Field Loco Hills Abo State New Mexico
Well No. 2 Sec. 21 T. 17-S R. 30-E Meridian NMPM County Eddy
Location 890 ft. {N.} of S Line and 1750 ft. {E.} of W Line of Sec. 21 Elevation 3637
(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 Rollind M. Keck

Date August 8, 1961 Title Petroleum Engineer

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

Commenced drilling June 2, 1961 Finished drilling July 7, 1961

OIL OR GAS SANDS OR ZONES

(*Denote gas by G*)

No. 1, from None to
No. 2, from to
No. 3, from to
No. 4, from to
No. 5, from to
No. 6, from to

IMPORTANT WATER SANDS

No. 1, from to
No. 2, from to
No. 3, 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
13-3/4	48	8	Smls.	474	Guide				Surface
8-5/8	24-32	8	Smls.	3565	Guide				Intermediate

HISTORY OF OIL OR GAS WELL

(Attach hereto a separate sheet if additional space is needed.)

If a drill-stem test was made, give date, depth, and amount of water and pressure, if any. If a core was taken, give depth and amount of oil and water. If a conglomerate, lime, sand, shale, etc., penetrated, give its thickness. Indicate by drilling time the character of the formation penetrated.

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13-3/4	486	500 Reg. + 4% Gel	Pump & Plug		
8-5/8	3575	1250 Incor + 8% Gel	Pump & Plug		
		1250 Diamix "A"			
		150 Reg. + 4% Gel			

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 0 feet to 7000 feet, and from feet to feet
Cable tools were used from feet to feet, and from feet to feet

DATES

August 8, 1961 Put to producing Plugged, 19

The production for the first 24 hours was barrels of fluid of which % was oil; % emulsion; % 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

R. P. Cook, Driller R. G. Berry, Driller
G. C. Bohne, Driller , Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
Surface	75	75	Sand
75	435	360	Sand & Rock
435	495	60	Red Bed
495	1630	1135	Anhyd. & Salt
1630	1966	336	Anhyd. & Gyp.
1966	2060	94	Anhyd.
2060	2312	252	Anhyd., Gyp & Lime
2312	2430	118	Anhyd. & Lime
2430	5815	3385	Lime
5815	6370	555	Lime & Cherts
6370	6820	450	Lime
6820	6827	7	Lime & Shale
6827	6868	41	Lime

(OVER)

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FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
6868	6880	12	Lime & Shale
6880	6934	54	Lime
6934	6950	16	Lime & Shale
6950	6966	16	Lime
6966	6985	19	Lime & Shale
6985	7000	15	Lime
GEOLOGIC TOPS (ELECTRIC LOG)			
T/Yates	1278		
T/Seven Rivers	1963		
T/Queen	2250		
T/Grayburg	2665		
T/San Andres	3280		
T/Glorieta	4520		
T/Abo	6760		

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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.