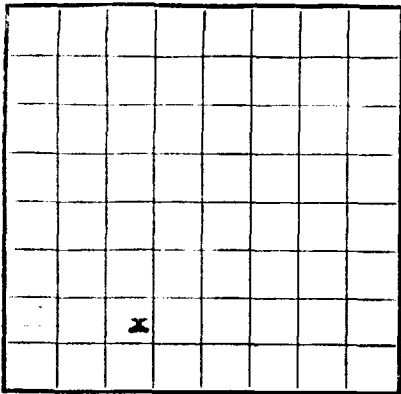


U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 02242 (C)
LEASE OR PERMIT TO PROSPECT
U.S.A. WoolleyUNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company Texas Pacific Coal & Oil Company Address P. O. Box 1633, Hobbs, New Mexico
Lessor or Tract U.S.A. Woolley Federal Field Loco Hills Abo State New Mexico
Well No. 3 Sec. 21 T. 17-S R. 30-E Meridian NPM County Curry
Location 1930 ft. N. of 8 Line and 1650 ft. E. of W Line of Sec. 21 Elevation 3615
(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 Kallen M. NuttDate November 22, 1961Title Petroleum Engineer

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

Commenced drilling September 7, 1961 19 61 Finished drilling October 15, 19 61

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

PERFORATIONS:
No. 1, from 6730 to 6316 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—	
<u>1 1/2</u>	<u>4.22</u>	<u>8</u>	<u>Solo.</u>	<u>449</u>	<u>Float</u>	<u>Surface</u>			<u>Surface</u>
<u>2 1/8</u>	<u>7.6</u>	<u>8</u>	<u>Solo.</u>	<u>290</u>	<u>Float</u>	<u>6730</u>			<u>Intermediate</u>
<u>3 1/2</u>	<u>12.7</u>	<u>8</u>	<u>Solo.</u>	<u>6316</u>	<u>Float</u>	<u>6730</u>	<u>6316</u>		<u>Production</u>

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>1 1/2</u>	<u>460</u>	<u>500 Pkg. + 45 Gal</u>	<u>Pump & Plug</u>		
<u>2 1/8</u>	<u>3503</u>	<u>1650 Pkg. + 50-50 Pos.</u>	<u>Pump & Plug</u>		
<u>3 1/2</u>	<u>6329</u>	<u>550 50-50 Pozmix</u>	<u>Pump & Plug</u>		

PLUGS AND ADAPTERS

Heaving plug—Material Ox 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 6329 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

Put to producing October 17, 19 61
The production for the first 24 hours was 290 barrels of fluid of which 100 % was oil; 0 %
gas; 0 % water; and 1.0 % sediment. Gravity, °Bé. 45
If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. _____

EMPLOYEES

Leslie Rutin, Driller K. E. Jernigan, Driller
T. P. Perry, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
Surface	<u>345</u>	<u>345</u>	<u>Red Bed and Sand</u>
<u>345</u>	<u>746</u>	<u>401</u>	<u>Anhydrite & Red Bed</u>
<u>746</u>	<u>1245</u>	<u>499</u>	<u>Salt and Anhydrite</u>
<u>1245</u>	<u>1445</u>	<u>200</u>	<u>Anhydrite</u>
<u>1445</u>	<u>1757</u>	<u>312</u>	<u>Gypsum and Anhydrite</u>
<u>1757</u>	<u>1822</u>	<u>65</u>	<u>Anhydrite</u>
<u>1822</u>	<u>2368</u>	<u>546</u>	<u>Gypsum & Anhydrite</u>
<u>2368</u>	<u>2423</u>	<u>55</u>	<u>Anhydrite</u>
<u>2423</u>	<u>2523</u>	<u>100</u>	<u>Sand, Lime, Anhydrite & Gypsum</u>
<u>2523</u>	<u>2655</u>	<u>132</u>	<u>Lime & Gypsum</u>
<u>2655</u>	<u>2741</u>	<u>86</u>	<u>Anhydrite and sandy Lime</u>
<u>2741</u>	<u>2860</u>	<u>119</u>	<u>Lime and Gypsum</u>
<u>2860</u>	<u>2940</u>	<u>80</u>	<u>Dolomite, Lime and Anhydrite</u>

(OVER)

FORMATION RECORD—Continued

Exhibit 2

