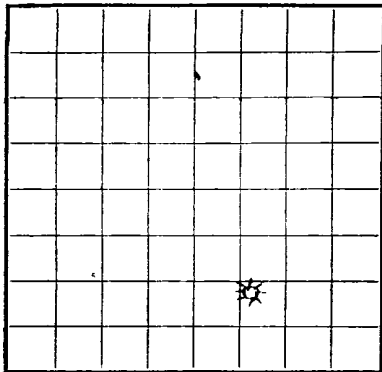




LOCATE WELL CORRECTLY

U. S. LAND OFFICE **Santa Fe**
SERIAL NUMBER **079049**
LEASE OR PERMIT TO PROSPECT **NM115**UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Pubco Petroleum Corporation Address Box 1419, Albuquerque, New Mexico
Lessor or Tract San Juan Unit 28-6 Field S. Blanco P.C. State New Mexico
Well No. 89 Sec. 9 T. 27N R. 6W Meridian NMPM County Rio Arriba
Location 1190 ft. ^[N.]_[S.] of S Line and 1850 ft. ^[E.]_[W.] of E Line of Sec. 9 Elevation 6457'
(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 David M. Cargo
Date June 21, 1960 Title Geologist

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

Commenced drilling May 31, 19 60 Finished drilling June 4, 19 60

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3132 to 3161 (G) No. 4, from _____ to _____
No. 2, from 3169 to 3185 (G) No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from None 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>8 5/8</u>	<u>24#</u>	<u>8</u>	<u>CFI</u>	<u>92</u>	<u>Howco</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>Surface</u>
<u>4 1/2</u>	<u>9.5#</u>	<u>8</u>	<u>CFI</u>	<u>3273</u>	<u>Howco</u>	<u>---</u>	<u>3132</u>	<u>3161</u>	<u>Production</u>
<u>1</u>	<u>1.7#</u>	<u>8</u>	<u>CFI</u>	<u>3239</u>	<u>---</u>	<u>---</u>	<u>3169</u>	<u>3185</u>	<u>Tubing</u>

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>8 5/8</u>	<u>102</u>	<u>100 + 2% CaCl₂</u>	<u>Circulated</u>	<u>---</u>	<u>---</u>
<u>4 1/2</u>	<u>3283</u>	<u>150</u>	<u>Circulated</u>	<u>---</u>	<u>---</u>
<u>1</u>	<u>3249</u>	<u>None</u>	<u>---</u>	<u>---</u>	<u>---</u>

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
<u>See back of page</u>						

TOOLS USED

Rotary tools were used from 0 feet to 3285 feet, and from _____ feet to _____ feet
Cable tools were used from --- feet to _____ feet, and from _____ feet to _____ feet

DATES

June 21, 1960 Put to producing Waiting on connection 19 60
June 21,The production for the first 24 hours was --- barrels of fluid of which _____% was oil; _____% emulsion; _____% water; and _____% sediment. Gravity, °Bé. _____If gas well, ^{MCF} cu. ft. per 24 hours 1194 3/4" ck Gallons gasoline per 1,000 cu. ft. of gas _____Rock pressure, lbs. per sq. in. 1081

EMPLOYEES

Sam Kinney, Driller Earl Babcock, Driller
Jim Speaker, Driller Jim Babcock, Toolpusher Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>Surface</u>	<u>2550</u>	<u>2550</u>	<u>Tertiary - Upper Cretaceous Undiff.</u>
<u>2550</u>	<u>3124</u>	<u>574</u>	<u>Kirtland - Fruitland</u>
<u>3124</u>	<u>3206</u>	<u>82</u>	<u>Pictured Cliffs</u>
<u>3206</u>	<u>3285 (TD)</u>	<u>---</u>	<u>Lewis</u>

(OVER)

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
Perforations:			
	2 McCullough	18 gram jets per foot	3132-3161, 3169-3185
	2 McCullough	bullets per foot	3136-3161, 3169-3185
Frac:			
	40,000# sand and 40,000 gal water, BD 2800#, TP 1500# ave., IR 47.5 BPM		
	Dropped 120 balls in 4 stages.		

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.

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