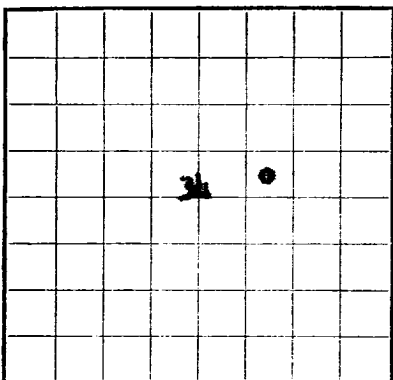
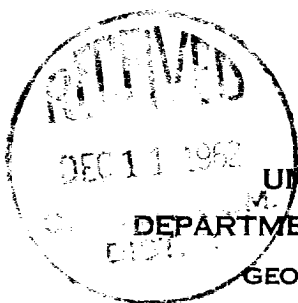




LOCATE WELL CORRECTLY

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER SF 047020-4
LEASE OR PERMIT TO PROSPECTUNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company SOUTHERN UNION PRODUCTION CO. Address Box 808, Farmington, New Mexico
Lessor or Tract Congress Field Basin Dakota State New Mexico
Well No. 5 Sec. 34 T. 29-N R. 11-W Meridian N.M.P.M. County San Juan
Location 2510 ft. N. of N Line and 1570 ft. E. of E Line of Section 34 Elevation 5610
(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 Gilbert D. Moland, Jr.
Date December 4, 1962 Title Drilling Superintendent

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

Commenced drilling September 5, 1962 Finished drilling September 29, 1962

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 6171 to 6179 (G) No. 4, from 6308 to 6340 (G)
No. 2, from 6190 to 6204 (G) No. 5, from _____ to _____
No. 3, from 6250 to 6286 (G) 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>8-5/8"</u>	<u>28.5</u>	<u>4</u>	<u>API</u>	<u>200</u>	<u>Plug</u>	<u>285 ft.</u>			<u>285 ft.</u>
<u>4-1/2"</u>	<u>46.2</u>	<u>4</u>	<u>API</u>	<u>1st stage 560 cu. ft. 1-1 Mix and 50 sacks regular.</u>		<u>6162 ft.</u>			<u>6162 ft.</u>
				<u>2nd stage with 1000 cubic ft. HTS-400 + 50 sacks regular.</u>		<u>Cement</u>			<u>Stage Collar at 1957 ft. cement</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>285 ft.</u>	<u>200 sacks</u>	<u>Plug</u>		
<u>4-1/2"</u>	<u>6162 ft.</u>	<u>1st stage 560 cu. ft. 1-1 Mix and 50 sacks regular.</u>			
	<u>Cement</u>	<u>2nd stage with 1000 cubic ft. HTS-400 + 50 sacks regular.</u>			
		<u>Stage Collar at 1957 ft. cement</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>Perf. 4</u>	<u>shots/ft.</u>	<u>6308-6340. Sand-water free w/40,000% and 33,180 gallons water</u>				
<u>Perf. 4</u>	<u>shots/ft.</u>	<u>6250-6286. Sand-water free with 60,000% sand & 64,000 gal. water.</u>				
<u>Perf. 4</u>	<u>shots/ft.</u>	<u>6171-6179. Sand-water free w/40,000% sand & 27,000 gal. water.</u>				

TOOLS USED

Rotary tools were used from 0 feet to 6170 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

_____, 19____ Put to producing _____, 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 6,306 Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. 2024 psi, 2016 psi; 7 days.

EMPLOYEES

Huron Drilling Co., Driller R. M. Sumrell, Driller
John Royce, Driller Wayne Harrison, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>690</u>	<u>690</u>	<u>Tertiary</u>
<u>690</u>	<u>1480</u>	<u>790</u>	<u>Cretaceous Sd. & Sh.</u>
<u>1480</u>	<u>1715</u>	<u>235</u>	<u>Fruitland</u>
<u>1715</u>	<u>1810</u>	<u>95</u>	<u>Pictured Cliffs</u>
<u>1810</u>	<u>3290</u>	<u>1480</u>	<u>Lewis Shale</u>
<u>3290</u>	<u>3415</u>	<u>125</u>	<u>Cliff House</u>
<u>3415</u>	<u>4060</u>	<u>645</u>	<u>Kanabec</u>
<u>4060</u>	<u>4400</u>	<u>340</u>	<u>Point Lookout</u>
<u>4400</u>	<u>5305</u>	<u>905</u>	<u>Hancox</u>
<u>5305</u>	<u>6070</u>	<u>765</u>	<u>Gallup</u>
<u>6070</u>	<u>6170</u>	<u>100</u>	<u>Brownhorn</u>
<u>6170</u>	<u>6458</u>	<u>288</u>	<u>Dakota</u>