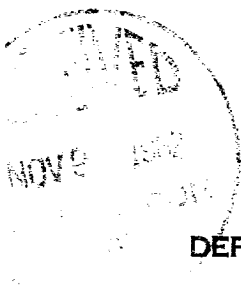


LOCATE WELL CORRECTLY

U. S. LAND OFFICE Jicarilla Apache
SERIAL NUMBER Sec. 18, T. 26N, R. 4E
LEASE OR PERMIT TO PROSPECT N.M.P.M.
Rio Arriba Cty., New Mexico
Contract #103UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Southern Union Production Co. Address P. O. Box 808, Farmington, N. Mex.
Lessor or Tract Jicarilla Field Tepicito - P.C. State New Mexico
Well No. 5-H Sec. 18 T. 26N R. 4E Meridian N.M.P.M. County Rio Arriba
Location 1690 ft. SE of Section Line and 1190 ft. NE of E Line of Sec. 18 Elevation 6718 C.L.
(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 L. S. HunsarikDate November 5, 1962Title Area Superintendent

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

Commenced drilling 7-23-62, 19 62 Finished drilling 9-28, 19 62

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3300 to 3400 G 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>10-3/8</u>	<u>21.75</u>	<u>8</u>	<u>1-1/2</u>	<u>1300</u>	<u>1-1/2</u>	<u>1300</u>			<u>Surface</u>
<u>7-5/8</u>	<u>15.50</u>	<u>8</u>	<u>1-1/2</u>	<u>1300</u>	<u>1-1/2</u>	<u>1300</u>			<u>Surface</u>
<u>5-1/2</u>	<u>13.50</u>	<u>8</u>	<u>1-1/2</u>	<u>1300</u>	<u>1-1/2</u>	<u>1300</u>			<u>Surface</u>
<u>4-1/2</u>	<u>2.90</u>	<u>8</u>	<u>1-1/2</u>	<u>1300</u>	<u>1-1/2</u>	<u>1300</u>			<u>Surface</u>

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>10-3/8</u>	<u>297</u>	<u>175</u>	<u>Pump Plug</u>		
<u>7-5/8</u>	<u>307</u>	<u>1000</u>	<u>Pump plug</u>		
<u>5-1/2</u>	<u>7905</u>	<u>750</u>	<u>Pump plug</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>Port. 8</u>	<u>1000</u>	<u>1000</u>	<u>1000</u>	<u>1000</u>	<u>1000</u>	<u>1000</u>
<u>Shot-water from 10,000 20-40 sand and 44,000 gallons water.</u>						

TOOLS USED

Rotary tools were used from _____ feet to _____ 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 _____ Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

Gardner Bros. Drig. Co., Driller M. P. Holman, Driller
R. O. Fawcett, Driller Frank Smith, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>Surf.</u>	<u>1885</u>	<u>1885</u>	<u>Wasatch</u>
<u>1885</u>	<u>3050</u>	<u>1165</u>	<u>Kirtland</u>
<u>3050</u>	<u>3370</u>	<u>320</u>	<u>Fruitland</u>
<u>3370</u>	<u>3440</u>	<u>70</u>	<u>Pictured Cliffs</u>
<u>3440</u>	<u>5018</u>	<u>1578</u>	<u>Lewis</u>
<u>5018</u>	<u>5670</u>	<u>652</u>	<u>Nasa Verde</u>
<u>5670</u>	<u>7545</u>	<u>1875</u>	<u>Manaca</u>
<u>7545</u>	<u>7915</u>	<u>270</u>	<u>Dakota</u>
12024	12024	12024	12024

(OVER)

FORMATION RECORD—CONTINUED