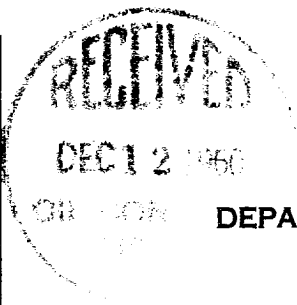
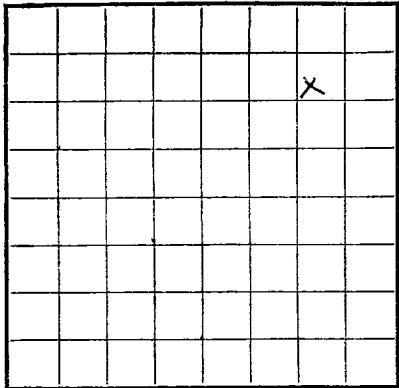


U. S. LAND OFFICE Santa Fe
SERIAL NUMBER N.M. 047
LEASE OR PERMIT TO PROSPECT _____



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Sunray Mid-Continent Oil Co. Address 166 Petroleum Center Bldg., Farmington,
Lessor or Tract N. M. Federal "N" Field Basin-Dakota State New Mexico N.M.
Well No. 4 Sec. 7 T. 30N R. 12W Meridian NMPM County San Juan
Location 1070 ft. [XX] of N. Line and 1190 ft. [XX] of E Line of Sec. 7 Elevation 6016
(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.

ORIGINAL SIGNED BY

Signed HAL M. STIERWALT

Date 12-7-60 Title Engineer

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

Commenced drilling 10-8, 1960 Finished drilling 10-27, 1960

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 6706 to 6860 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>8-5/8</u>	<u>24</u>	<u>8</u>	<u>CP</u>	<u>6961</u>	<u>Baker</u>	<u>---</u>	<u>6706</u>	<u>6860</u>	<u>Production</u>
<u>4 1/2</u>	<u>11.8</u>	<u>8</u>	<u>CP</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</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>362</u>	<u>325</u>	<u>P&P</u>	<u>---</u>	<u>---</u>
<u>4 1/2</u>	<u>6961</u>	<u>325</u>	<u>P&P</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

TOOLS USED

Rotary tools were used from 0 feet to 6970 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

12-7-60, 19____ Put to producing 11-1, 1960

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 3323 Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. _____ AOF 3600 MCFPD

EMPLOYEES

_____, Driller _____, Driller
_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
			<u>Electric Log Tops</u>
			<u>Pictured Cliffs</u> <u>1206'</u>
			<u>Point Lookout</u> <u>4126'</u>
			<u>Mancos</u> <u>4900'</u>
			<u>Green Horn</u> <u>6550'</u>
			<u>Dakota</u> <u>6705'</u>
			<u>Well History Attached.</u>

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOCATE WELL CORRECTLY

[illegible]

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

Commenced drilling	10-25	Finished drilling	10-27
10-27	10-27	10-27	10-27

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IMPORTANT WATER SANDS

CASING RECORD

10-4504-2 U. S. GOVERNMENT PRINTING OFFICE

SLURRY AND CEMENTING RECORD

PLUGS AND ADAPTERS

SHOOTING RECORD

TOOLS USED

DATE

EMPLOYEES

FORMATION RECORD

Investment in research and development

FROM	TO	TOTAL FEET	FORMATION
			FORMATION