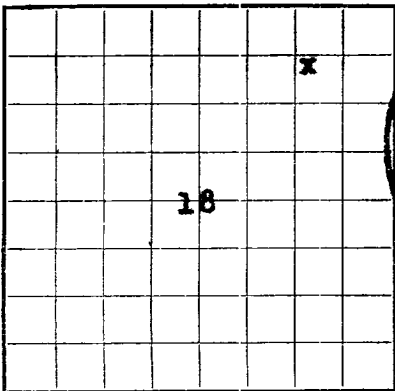
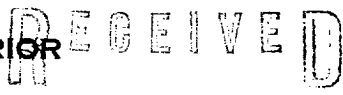


U. S. LAND OFFICE **Santa Fe**
SERIAL NUMBER **078106**
LEASE OR PERMIT TO PROSPECT _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



U. S. GEOLOGICAL SURVEY
ALBUQUERQUE, NEW MEXICO

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Sunray Oil Company Address 200 Petroleum Club Plaza, Farmington
Lessor or Tract Gallegos Canyon Unit Field Total Gallup State New Mexico
Well No. 13 Sec. 18 T. 28N R. 12W Meridian NMPN County San Juan
Location 810 ft. N of N Line and 1850 ft. E of E Line of Sec. 18-T28N-R12W Elevation 5629'
(Derriek 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 CHARLES W. ROGERS

Date January 3, 1963 Title Production Engineer

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

Commenced drilling 12-7, 1962 Finished drilling 12-20, 1962

OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1, from 5420' to 5490' 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>21</u>	<u>8-9</u>	<u>C&I</u>	<u>202'</u>	<u>Baker</u>	<u>Surface</u>			<u>Surface</u>
<u>5-1/2"</u>	<u>17</u>	<u>8-9</u>	<u>C&I</u>	<u>5580'</u>	<u>Baker</u>	<u>Rone Frac Notch 5177'</u>			<u>Production</u>
						<u>Rone Frac Notch 5481'</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>202'</u>	<u>125</u>	<u>Pump & plug</u>		
<u>5-1/2"</u>	<u>5580'</u>	<u>125 (1st stage)</u>	<u>Pump & plug</u>		
		<u>125 (2nd stage)</u>	<u>Displacement</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 5604 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

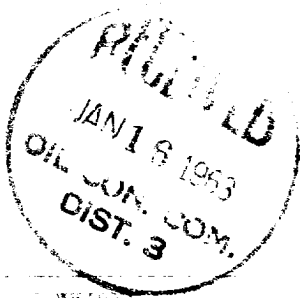
January 3, 1963 Put to producing January 1, 1963
The production for the first 24 hours was 157 barrels of fluid of which 98 % was oil; 0 % emulsion; 2 % water; and 0 % sediment. Gravity, °Bé. _____
If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. _____

EMPLOYEES

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

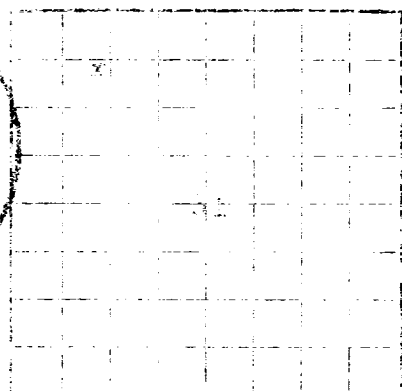
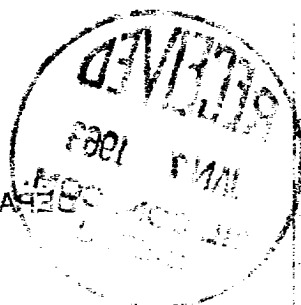
FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
			TOPS
		<u>695'</u>	<u>Farmington</u>
		<u>1445'</u>	<u>Pictured Cliffs</u>
		<u>3013'</u>	<u>Cliffhouse</u>
		<u>3923'</u>	<u>Point Lookout</u>
		<u>4195'</u>	<u>Mancos</u>
		<u>5105'</u>	<u>Upper Gallup</u>
		<u>5420'</u>	<u>Lower Gallup</u>
		<u>5545'</u>	<u>Sanastee</u>



W. H. Lusk, Operator
L. H. Lusk, Operator
I have on I want to know how

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company Name _____
Address _____
Person or Firm _____
Field _____
County _____
Location _____
The information given herewith is a complete and correct record of the well and all work done thereon
as far as can be determined from an available record.
Signed _____
Date _____

The summary on this page is for the condition of the well at above date
Commenced drilling _____
Finished drilling _____

OIL OR GAS SANDS OR ZONES

(Indicate on page 2)

No. 1 from _____ to _____
No. 2 from _____ to _____
No. 3 from _____ to _____

IMPORTANT WATER SANDS

No. 1 from _____ to _____
No. 2 from _____ to _____

CASING RECORD

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 added, or left in the well, give its size and location. If the well has been dynamited, give date, 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 bailing.

HISTORY OF OIL OR GAS WELL

FROM—		TO—		TOTAL FEET		FORMATION	