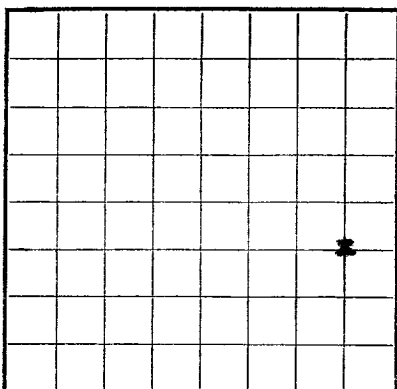


U. S. LAND OFFICE Santa Fe
SERIAL NUMBER USA - 074098
LEASE OR PERMIT TO PROSPECT

LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Sunray Mid-Continent Oil Company Address 411 N. Main
Lessor or Tract N. M. Federal "B" Field Bisti-Gallup State New Mexico
Well No. 3 Sec. 17 T. 24 R. 12 Meridian NMPN County San Juan
Location 1980 ft. ^[N.]₂ of S. Line and 640 ft. ^[E.]₁ of E. Line of Sec. 17 Elevation 6302
(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 H. M. Stierwalt
H. M. Stierwalt Title Area EngineerDate 8-12-56

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

Commenced drilling 6-29, 1956 Finished drilling 7-17, 1956OIL OR GAS SANDS OR ZONES
(Denote gas by G)No. 1, from _____ to _____ No. 4, from _____
No. 2, from _____ to _____ No. 5, from _____
No. 3, from _____ to _____ No. 6, from _____

IMPORTANT WATER SANDS

No. 1, from _____ to _____ No. 3, from _____
No. 2, from _____ to _____ No. 4, from _____

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 1/2</u>	<u>Long 3 1/2 x 193'</u>	<u>Baker</u>					<u>Surface</u>
<u>5 1/2</u>	<u>18</u>	<u>8 1/2</u>	<u>Long 3 1/2 x 1940'</u>	<u>Baker</u>			<u>4756</u>	<u>4760</u>	<u>String</u>
							<u>4752</u>	<u>4806</u>	
							<u>4812</u>	<u>4826</u>	
							<u>4832</u>	<u>4840</u>	
							<u>4847</u>	<u>4856</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>193</u>	<u>175 sacks</u>	<u>Pump & Plug</u>		
<u>5 1/2</u>	<u>4940'</u>	<u>200 sacks</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

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 106 barrels of fluid of which 7-16 % was oil; 56 %
emulsion; _____ % water; and _____ % sediment. Gravity, °Bé. 100If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas 36.9

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

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

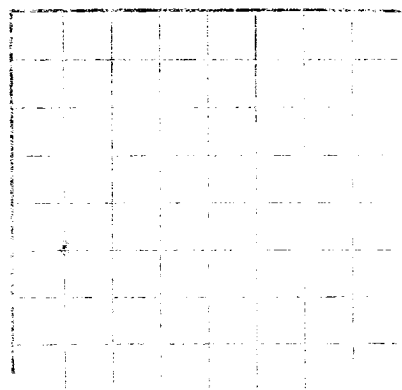
FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
			<u>Schlumberger Log</u>
			<u>Pictured Cliff</u> <u>1140</u>
			<u>Point Lookout</u> <u>3592</u>
			<u>Mancos</u> <u>3797</u>
			<u>Gallup</u> <u>4581</u>
			<u>Lower Gallup</u> <u>4713</u>

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LOG OF OIL OR GAS WELL



Y. G. BERSHOV, L. V. DUBOV

The first part of the paper is devoted to the study of the asymptotic behavior of the solutions of the system (1) as $t \rightarrow \infty$. It is shown that the solutions of the system (1) are bounded and tend to zero as $t \rightarrow \infty$. The second part of the paper is devoted to the study of the asymptotic behavior of the solutions of the system (1) as $t \rightarrow 0$. It is shown that the solutions of the system (1) are bounded and tend to zero as $t \rightarrow 0$.

SECRET

Government Printing Office: 1964

NO LIES NO TRUTH NO JUSTICE NO LOVE

(Date:)

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

IMPORTANT WATER SANDS

to 1000 ft. from shore

CLASSIC RECORD

[illegible]

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 bailing.

HISTORY OF OIL OR GAS WELL

16-43094-2 U. S. GOVERNMENT PRINTING OFFICE

[illegible]