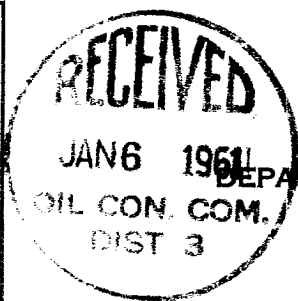


LOCATE WELL CORRECTLY

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYU. S. LAND OFFICE **S. F.**  
SERIAL NUMBER **047039A**  
LEASE OR PERMIT TO PROSPECT **047039B**

## LOG OF OIL OR GAS WELL

Company **Sunset International Petroleum Corp.** Address **444 - 17th Street - 5th Floor, Denver**  
Lessor or Tract **Katz Federal** Field **Basin Dakota** State **New Mexico**  
Well No. **11-20** Sec. **20** T. **28NR. 10W** Meridian **NMPM** County **San Juan**  
Location **990** ft. **N.** of **S.** Line and **1850** ft. **E.** of **W.** Line of **Sec. 20** Elevation **6035**  
(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 **Thomas F. Popp** **Thomas F. Popp**Date **December 27, 1960** Title **Engineer**

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

Commenced drilling **11-14-60** Finished drilling **12-2-60**, 19**60**OIL OR GAS SANDS OR ZONES  
(Denote gas by G)No. 1, from **6432** to **6504** 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—	
<b>8 5/8</b>	<b>24</b>	<b>5</b>	<b>Smith</b>	<b>242</b>	<b>TD</b>	<b>6432</b>	<b>6510</b>	<b>6564</b>	<b>Prod.</b>
<b>4 1/2</b>	<b>11.6</b>	<b>8</b>	<b>Smith</b>	<b>6564</b>	<b>Pin collar</b>	<b>Open</b>	<b>End</b>	<b>Prod.</b>	
<b>2 3/8</b>	<b>4.7</b>	<b>8</b>	<b>Smith</b>	<b>6564</b>	<b>Pin collar</b>	<b>Open</b>	<b>End</b>	<b>Prod.</b>	

## MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<b>8 5/8</b>	<b>242</b>	<b>130 sz</b>	<b>Disp around shoe @ 242'</b>		
<b>4 1/2</b>	<b>6524</b>	<b>200 sz</b>	<b>Disp around shoe @ 6524'</b>		
		<b>200 sz</b>	<b>Disp thru stage tool @ 6519'</b>		

## 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 **248** feet to **TD** feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feetCable tools were used from **QL** feet to **248** feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

## DATES

**December 27**, 19**60** Put to producing \_\_\_\_\_, 19**60**

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 **CAOF 9832 MCF** Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_Rock pressure, lbs. per sq. in. **1996**

## EMPLOYEES

**W. S. Jones**, Driller **H. E. Clements**, Driller**H. R. Hoskins**, Driller **Frank Mallor, T. P.**, Driller

## FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<b>2610</b>			<b>Picture Cliffs</b>
<b>3032</b>			<b>La Ventada</b>
<b>3608</b>			<b>Cliff House</b>
<b>3726</b>			<b>Menefee</b>
<b>4370</b>			<b>Pt. Lookout</b>
<b>4476</b>			<b>Mancos</b>
<b>5560</b>			<b>Niobrara</b>
<b>5704</b>			<b>Gallup</b>
<b>5970</b>			<b>Tosito</b>
<b>6338</b>			<b>Greenhorn</b>
<b>6402</b>			<b>Graneros</b>
<b>6432</b>			<b>Dakota</b>
<b>6625</b>			<b>W. L. TD</b>
<b>6630</b>			<b>Drlr TD</b>
FROM—	TO—	LOST FEET	FORMATION

FORMATION RECORD—Continued