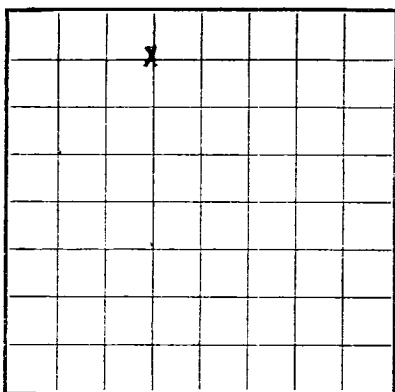




LOCATE WELL CORRECTLY

U. S. LAND OFFICE New Mexico
SERIAL NUMBER NM 04407
LEASE OR PERMIT TO PROSPECT _____
OIL CO. UNITED STATES RECEIVED
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY U. S. GEOLOGICAL SURVEY
CARMING NEW MEXICO

LOG OF OIL OR GAS WELL

Company San American Petroleum Corporation Address Box 487, Farmington, New Mexico
Lessor or Tract J. W. Adlin #3 Field Horseshoe Gallup State New Mexico
Well No. 2 Sec. 14 T. 30N R. 16W Meridian N.M.P.M. County San Juan
Location 660 ft. N of N Line and 1900 ft. E of W Line of Section 14 Elevation 5426
(Denote gas by G)

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 A. M. Dyer, Jr. Title Area Engineer
Date May 6, 1959

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

Commenced drilling April 20, 1959 Finished drilling April 29, 1959

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2400 to 2430 No. 4, from _____ to _____
No. 2, from 2488 to 2518 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>27</u>	<u>5</u>	<u>Joint Lines</u>	<u>205</u>	<u>Guide</u>				<u>Oil String</u>
<u>5-1/2"</u>	<u>14</u>	<u>8</u>	<u>National</u>	<u>2580</u>	<u>Guide</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>216</u>	<u>160 sacks cement</u>	<u>Halliburton</u>	<u>No. 1 Plug</u>	
<u>5-1/2"</u>	<u>2572</u>	<u>130 sacks cement</u>	<u>Halliburton</u>	<u>No. 2 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 0 feet to 2573 feet, and from _____ feet to _____ feet

DATES

Completed as pumping oil well May 4, 1959 Put to producing May 3, 1959
Horseshoe-Gallup Field
The production for the first 24 hours was _____ barrels of fluid of which 99 % was oil;
emulsion; _____ % water; and 64.54 % sediment. Gravity, °Bé. 99.8
If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas 42.1 degrees API
Rock pressure, lbs. per sq. in. _____

EMPLOYEES

_____, Driller _____, Driller
R. L. Ledlow, Driller A. Y. Old, Driller
T. J. Beck Orivill Cook

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>216</u>	<u>216</u>	<u>Surface sands & shales.</u>
<u>216</u>	<u>1050</u>	<u>834</u>	<u>Mesaverde sands & shales.</u>
<u>1050</u>	<u>2348</u>	<u>1298</u>	<u>Pancos shales.</u>
<u>2348</u>	<u>2400</u>	<u>52</u>	<u>Gallup sand & shale.</u>
<u>2400</u>	<u>2488</u>	<u>88</u>	<u>Verde-Gallup pay sand & shale.</u>
<u>2488</u>	<u>2573</u>	<u>85</u>	<u>Horseshoe Gallup pay sand & shale.</u> (Tops from E log)

*Potential test May 3, 1959 flowed 62 barrels of oil in 1 hour from casing. 30 to 60 days after potential test June 21, 1959 pumped 64.54 barrels.

5-1/2" casing was set at 2572' with 80 sacks 65 gal cement with 1-1/2 pounds
the plug per sack followed by 50 sacks neat cement. Released rotary rig on
April 29, 1959. Moved to completion unit and tested casing with 3000 pounds
pressure for fifteen minutes, which held with no drop in pressure.
Spotted 250 gallons breakdown additive perforated lower casing with two shots
per foot 2486-2518. Sand-oil treated lower casing with 30,200 gallons oil and
45,000 pounds sand. First 10,000 gallons at 1 pound per gallon with remainder
at 1-3/4 pounds per gallon. Breakdown pressure 1300 pounds. Maximum treating
pressure 1900 pounds; minimum treating pressure 1200 pounds. Average treating
pressure 1550 pounds. Average injection rate 60 barrels per minute. Perforated
upper casing with two shots per foot 2400-2430. Set bridge plug at 2460'. Sand-
oil treated upper casing with 25,000 gallons oil and 30,000 pounds sand. Break-
down pressure 1500 pounds; maximum treating pressure 1900 pounds; average injection rate
60 barrels per minute. Perforated bridge plug and cleaned out to 2560'. Completed
as pumping oil well Horseshoe-Camp Field May 7, 1959. Potential test May 3,
1959, flowed 62 barrels oil in one hour or at rate of 100 barrels oil per day.
Well flowed out of casing thru 3" line. Gas oil ratio not yet available. Oil
gravity 42.1 degrees API. 2" tubing was set at 2528'. Fan rods and pump and
released completion unit on May 7, 1959.

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," we 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. J. W. Aldrin 484 Well No. 2 was spudded on April 20, 1959 and 8-5/8" casing was set at 216' with 160 sacks of cement grouting 22 calcium chloride. After waiting on cement, casing and water shut off were tested with 400 pounds pressure for thirty minutes which held with no drop in pressure. Reduced hole to 7-7/8" at 217' and resumed drilling operations.

16-48094-2 U. S. GOVERNMENT PRINTING OFFICE

FROM-	TO-	TOTAL FEET	FORMATION
			1. 0-10' Sandstone, yellowish, medium grained, somewhat silty, contains small pebbles of quartz and chert. 2. 10-20' Sandstone, yellowish, medium grained, somewhat silty, contains small pebbles of quartz and chert. 3. 20-30' Sandstone, yellowish, medium grained, somewhat silty, contains small pebbles of quartz and chert. 4. 30-40' Sandstone, yellowish, medium grained, somewhat silty, contains small pebbles of quartz and chert. 5. 40-50' Sandstone, yellowish, medium grained, somewhat silty, contains small pebbles of quartz and chert. 6. 50-60' Sandstone, yellowish, medium grained, somewhat silty, contains small pebbles of quartz and chert. 7. 60-70' Sandstone, yellowish, medium grained, somewhat silty, contains small pebbles of quartz and chert. 8. 70-80' Sandstone, yellowish, medium grained, somewhat silty, contains small pebbles of quartz and chert. 9. 80-90' Sandstone, yellowish, medium grained, somewhat silty, contains small pebbles of quartz and chert. 10. 90-100' Sandstone, yellowish, medium grained, somewhat silty, contains small pebbles of quartz and chert.