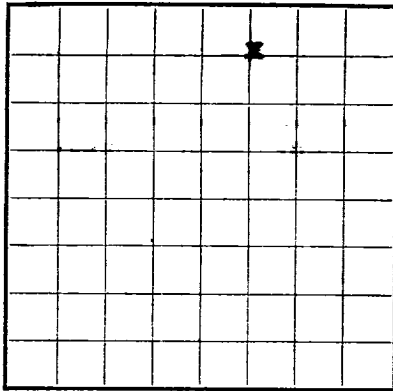
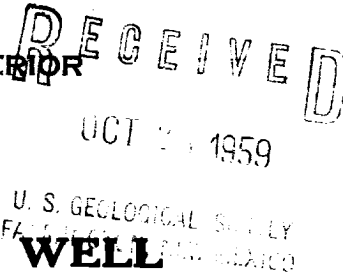




LOCATE WELL CORRECTLY


 UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

 U. S. LAND OFFICE New Mexico
SERIAL NUMBER NM-04443-3
LEASE OR PERMIT TO PROSPECT _____


LOG OF OIL OR GAS WELL

 Company Pen American Petroleum Corporation Address Box 487, Farmington, New Mexico
Lessor or Tract O. J. Hoover "D" Field Horseshoe Gallup State New Mexico
Well No. 1 Sec. 24 T. 30N R. 16W Meridian NMPN County San Juan

 Location 1/4 Sec. 24, T. 30N, R. 16W, Meridian NMPN Elevation 5300
(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 _____ Title: Area Engineer
Date September 16, 1959

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

 Commenced drilling September 16, 1959 Finished drilling September 25, 1959

OIL OR GAS SANDS OR ZONES

 No. 1, from 100 to 100 No. 2, from 100 to 100
No. 3, from 100 to 100 No. 4, from 100 to 100
No. 5, from 100 to 100 No. 6, from 100 to 100

IMPORTANT WATER SANDS

 No. 1, from 100 to 100 No. 2, from 100 to 100
No. 3, from 100 to 100 No. 4, from 100 to 100

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Rebar		Purpose
							From—	To—	
8-5/8"	21.5	160	sacks of cement	E. J. Service	1 Plug				
5-1/2"	40.5	130	sacks of cement	E. J. Service	2 Plugs				

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	21.5	160 sacks of cement	E. J. Service		1 Plug
5-1/2"	40.5	130 sacks of cement	E. J. Service		2 Plugs

PLUGS AND ADAPTERS

FORMATION	TOTAL FEET	TO -	FROM -
Surface sands and shales	1368	1368	0
Kamroo shales	922	2290	1368
Point Lookout sands and shales	305	2595	2290
Kamroo shales	940	3535	2595
Verde Gallup sands and shales	310	3845	3535
Verde Gallup pay sand	123	3968	3845
Haweshee Gallup pay sand	92	4060	3968
Topo from electric log			

FORMATION RECORD

Cotton Alphon Driller
 H. R. McCallin Driller
 J. B. Coleman Driller
 K. G. Abernethy Driller

EMPLOYEES

Rotary tools were used from	feet to	0	feet to	1060	feet, and from	feet to
Cable tools were used from	feet to		feet to		feet, and from	feet to
Completed as pumping oil well October 15, DATES						
1939, November 1st, 1939, completed as pumping oil well October 15, DATES						
The production for the first 24 hours was 37 barrels of fluid of which 99.8% was oil; 13-1/2" strokes per minute with 1-1/4" pump.						
Put to producing October 13, 1939						
Date first new oil produced						
Gravity, °Bé. 40.7						
Emulsion; --- % water; and .2 % sediment.						
If gas well, cu. ft. per 24 hours - not available						
Rock pressure, lbs. per sq. in. -----						

TOOLS USED

[illegible]

SHOOTING RECORD

Adapters—Material.

Size