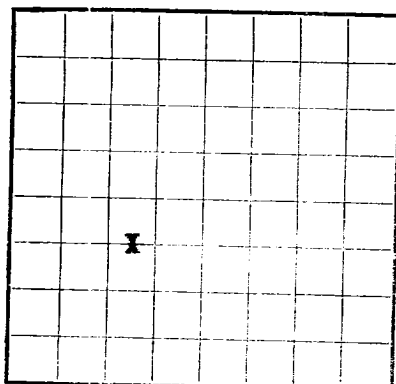




LOCATE WELL CORRECTLY

U. S. LAND OFFICE Navajo Tribal
SERIAL NUMBER 14-20-603-2199
LEASE OR PERMIT TO PROSPECT
Navajo Tribal "E"UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Pan American Petroleum Corporation Address Box 180, Farmington, New Mexico
Lessor or Tract Navajo Tribal "E" Field Undesignated Gallup State New Mexico
Well No. 3 Sec. 21 T. 29N R. 14W Meridian S.M.P.M. County San Juan
Location 1980 ft. N of 3 Line and 1780 ft. E of W Line of Section 21 Elevation 5601 (RDS)
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 R. M. Bauer, Jr. Title Area Engineer
Date August 29, 1960
The summary on this page is for the condition of the well at above date.

Commenced drilling August 3, 19 60 Finished drilling August 16, 19 60

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 5234 to 5234 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>22.7</u>	<u>Slip Joint</u>	<u>Armed</u>	<u>203</u>	<u>Guide</u>				<u>Surface</u>
<u>5-1/2"</u>	<u>14</u>	<u>8RT</u>	<u>J-55</u>	<u>5293</u>	<u>Guide</u>				<u>Oil String</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>217</u>	<u>110 sacks of cement</u>	<u>Halliburton 1 plug</u>		
<u>5-1/2"</u>	<u>5270</u>	<u>200 sacks of cement</u>	<u>B. J. Service 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 _____ feet to 5270 feet, and from _____ feet to _____ feet

DATES

Completed August 26, 1960 as flowing oil well in Undesignated Gallup Field.
Put to producing August 25, 19 60
Potential production 164 barrels of fluid of which 99.8 % was oil; _____ %
emulsion; _____ % water; and _____ % sediment. Gravity, °Bé. 40.4
If gas well, cu. ft. per 24 hours _____
Gallons gasoline per 1,000 cu. ft. of gas _____
Flowing oil well on 16/64 choke
Rock pressure, lbs. per sq. in. _____

EMPLOYEES

_____, Driller
Cotton Gipeon, Driller
James Smith, Driller
W. O. Fiersold, Driller
Jackie White, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>976</u>	<u>976</u>	<u>Surface sands and shales including Fruitland and Farmington zones.</u>
<u>976</u>	<u>992</u>	<u>16</u>	<u>Pictured Cliffs sands and shales.</u>
<u>992</u>	<u>2588</u>	<u>1596</u>	<u>Lewis shale.</u>
<u>2588</u>	<u>3829</u>	<u>1241</u>	<u>Mesaverde sands, shales and coals.</u>
<u>3829</u>	<u>4744</u>	<u>915</u>	<u>Mancos shale.</u>
<u>4744</u>	<u>5085</u>	<u>341</u>	<u>Gallup sands and shales.</u>
<u>5085</u>	<u>5270</u>	<u>185</u>	<u>Gallup pay sands and shales.</u>
			<u>Tops from E. log.</u>

