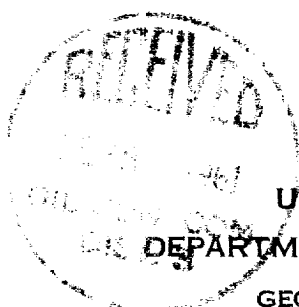


[illegible]

LOCATE WELL CORRECTLY



U. S. LAND OFFICE **Jicarilla Tribal**
SERIAL NUMBER **Jicarilla Tribal**
LEASE OR PERMIT TO PROSPECT **Contract No. 146**

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company: Pan American Petroleum Corporation Address: Box 480, Farmington, New Mexico
 Lessor or Tract: Marilla Contract 146 Field: Basin Dakota State: New Mexico
 Well No.: 10 Sec.: 2 T.: 23 R.: 5 Meridian: N.M.P.M. County: Rio Arriba
 Location: 1190 ft. N. of S Line and 1550 ft. E. of W Line of Section 7 Elevation: 6726 (ASL)
(Don't forget to seal well)

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 _____ ORIGINAL SIGNED BY
B. M. Bauer, Jr.

Date February 6, 1962 Title Senior Petroleum Engineer

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

Commenced drilling December 16, 1960 Finished drilling January 14, 1961

OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1, from 7135 to 7264 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. 2, from _____ to _____

No. 3, 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—	
8-1/2" x 20	20	20	1-52	1,000	Guide				Guide
1-1/2" x 19.8	19.8	20	1-55	1,175	Guide				Oil String
1-1/2" x 9.5	9.5	20	1-55	1,175	Guide				Oil String

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
2-5/8"	50'	425 sacks of cement	Halliburton 2 plug.		
1-1/2"	7,450	275 sacks of cement	Baker 2 stage.		

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 0 feet to 7458 feet, and from feet to feet

Cable tools were used from feet to feet, and from feet to feet

Completed January 30, 1961 as Shut In Basin Dakota Field Development Well.

DATES	
(Shut In for pipeline connection)	
Put to producing	19

The production for the first 24 hours was _____ barrels of fluid of which _____% was oil; _____% emulsion; _____% water; and _____% sediment. Gravity, °Bé. _____

Preliminary well, in ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____
 Test _____ 3849

Stock pressure, lbs. per sq. in. Potential test will be reported on sundry notice, when available. EMPLOYEES

/s/ R. L. Davis	, Driller	/s/ R. H. Wisner	, Driller
/s/ Jackie White	, Driller	/s/ Stiles Priddy	, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	2904	2904	Undifferentiated sands and shales.
2904	2996	92	Pictured Cliffs sands and shales.
2996	4556	1560	Lewis shale.
4556	4675	119	Cliffhouse sand.
4675	5143	468	Manissee sands, shales, and coals.
5143	5293	150	Point Lookout sands and shales.
5293	6152	859	Maneas shale.
6152	6737	585	Gallup sands and shales.
6737	7054	317	Sanastee sands and shales.
7054	7138	84	Greenhorn sands and shales.
7138	7276	138	Graneros sands and shales.
7276	7455	182	Dakota sands and shales.

