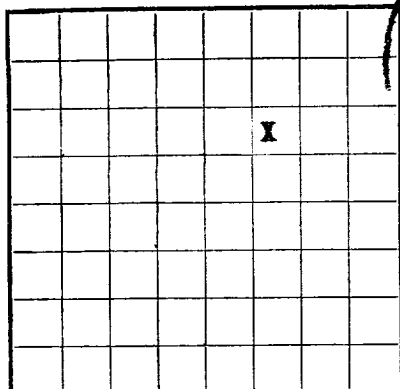


U. S. LAND OFFICE New Mexico
SERIAL NUMBER NM 0498
LEASE OR PERMIT TO PROSPECT _____

LOCATE WELL CORRECTLY

RECEIVED
DEC 18 1959UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Pan American Petroleum Corporation Address Box 487, Farmington, New Mexico
Lessor or Tract John Schumacher Field Undesignated Dakota State New Mexico
Well No. 1 Sec. 8 T. 30N R. 12W Meridian N.M.P.M. County San Juan
Location 1650 ft. 1st of A Line and 1650 ft. 1st of E Line of Section 8 Elevation 5810 (RDB)
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 Mr. M. Bauer Date December 16, 1959
Title Area Engineer
The summary on this page is for the condition of the well at above date.
Commenced drilling October 31, 1959 Finished drilling November 21, 1959

OIL OR GAS SANDS OR ZONES

(Denote gas by G)
No. 1, from 602 to 645 (G)
No. 2, from 645 to 660
No. 3, from 660 to 675
No. 4, from 675 to 680
No. 5, from 680 to 685
No. 6, from 685 to 690

IMPORTANT WATER SANDS

No. 1, from 602 to 645
No. 2, from 645 to 660
No. 3, from 660 to 675
No. 4, from 675 to 680
No. 5, from 680 to 685
No. 6, from 685 to 690

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
8-5/8"	22.8	8RT	J-55	706	Guide	602			Oil string
4-1/2"	11.6	8RT	J-55	706	Guide	602			Oil string
4-1/2"	9.5	8RT	J-55	706	Guide	602			Oil string

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	349	275 sacks of cement	Halliburton	1 plug	
4-1/2"	6790	700 sacks of cement	Halliburton	2 stage with DV tool.	

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 6805 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

Completed as shut in Gas Well Undesignated Put to producing Shut in for pipeline connection:
Dakota Field December 6, 1959 December 6, 1959
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 _____ Gallons gasoline per 1,000 cu. ft. of gas _____
Preliminary test: _____
Rock pressure, lbs. per sq. in. 2237

2072 EMPLOYEES Shut in casing pressure 7 days.

R. D. Davis _____, Driller T. G. Priddy _____, Driller
F. A. Huffman _____, Driller C. N. Isagar _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	349	349	Surface sand & shale.
349	560	211	Animas sand & shale.
560	1753	1193	Kirtland-Farmington sand & shale.
1753	2034	281	Fruitland sand, shale & coal.
2034	2220	186	Pictured Cliffs sand & shale.
2220	3681	1461	Lewis shale & sand.
3681	3745	64	Cliffhouse sand.
3745	4412	667	Manefee shale, sand & coal.
4412	4670	258	Point Lookout sand & shale.
4670	5662	992	Mancos shale.
5662	6424	762	Gallup shale & sand.
6424	6480	56	Greenhorn shale.
6480	6550	70	Graneros shale.
6550	6602	52	Dakota shale & sand.
6602	6755	153	Dakota pay sand & shale.
6755	6805	50	Morrison sand & shale.
			(Tops from E log)

Potential test December 15, 1959, flowed 2789 MCFPD through 3/4" choke. After 3 hours,
absolute open flow potential 2998 MCFPD.

FORMATION RECORD—Continued

PLEASE OR PERMIT TO PROSPECT. _____
SERIAL NUMBER _____
U. S. LAND OFFICE _____
New Orleans

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

COAST WITH CORRECT Y

Company for American Petroleum Corporation Address Box 101, Farmington, New Mexico
 I order of Trust John Schumacher Field designated Oklahoma State New Mexico

Well No. _____ Sec. _____ T. 30S. R. 12E. Meridian _____ County _____

[illegible]

1/2" casing was set at 8/90. Cemented 11/10 stage with 300 sacks of 67 1/2 cement containing 1-2/2 pounds of plug per sack, followed by 150 sacks of cement. Cemented second stage with 250 sacks of 67 1/2 cement. Tested both plugs with 1000 psi with no indication of pressure drop. Drilled out at 2198' and cleaned out to end of 67 1/2" registered rotary log and moved in completion unit.

OIL OR GAS SANDS OR ZONES

IMPORTANT WATER SANDS

*** SPECIAL AGENT IN CHARGE**

On October 31, 1958, and during 1957, casing was set with 275 sacks of cement. Circulated out 75 sacks of cement. After waiting on cement, casing and water shut off were tested with 700 psi for 30 minutes, which held steady no indication of pressure drop. Reduced hole to 7-7/8" at 347', and resumed drilling operations.

Casing Size per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and drilled from	Perforated		Purpose
						From—	To—	
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 abandoned, or left in the well, state the reasons and location. If the well has been dynamited, give date, size, position, and number of shots. If pipes or bridges were put in to test for water, state kind of material used, position, and results of pumping or flowing.								

MAILING AND CEMENTING RECORD

GRAM - 010

Size Casting	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
150	300	100 sacks of cement	Hydratron 2	1.10	1000
150	300	275 sacks of cement	Hydratron 1	1.10	1000

PLUGS AND ADAPTERS

Depth	Length	Weight	Age	Sex	Remarks
100	100	100	100	100	100
200	200	200	200	200	200
300	300	300	300	300	300
400	400	400	400	400	400
500	500	500	500	500	500
600	600	600	600	600	600
700	700	700	700	700	700
800	800	800	800	800	800
900	900	900	900	900	900
1000	1000	1000	1000	1000	1000

SHOOTING RECORD

[illegible]

TOOLS USED

test	to test	test and from	test	to test	test and from	test	to test	test and from	test	to test	test and from
test	to test	test and from	test	to test	test and from	test	to test	test and from	test	to test	test and from

DATES

[illegible]

EMPLOYEES

Driller	Driller	Driller	Driller
Driller	Driller	Driller	Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
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Morrison sand & shale.
 Dakota gray sand & shale.
 Dakota shale & sand.
 Granular shale.
 Greenhorn shale.
 Salina shale & sand.
 Kanran shale.
 Point Lookout sand & shale.
 Kanran shale, sand & coal.
 Cliffhouse sand.
 Lewis shale & sand.
 Pictured Cliff sand & shale.
 Hill sand, shale & coal.
 Pittsburg-Union sand & shale.
 Animals sand & shale.
 Surface sand & shale.

(Ref 1 not used)

12. 1951, Flowed down through 3/4" choke. After 2 hours,

FORMATION RECORD—Continued

[REDACTED]

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