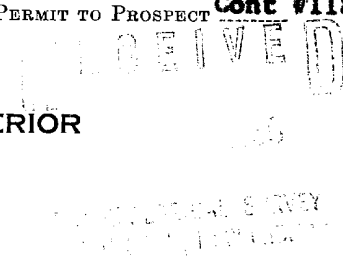


U. S. LAND OFFICE **Jicarilla-Apache**
SERIAL NUMBER **Dulce, New Mexico**
LEASE OR PERMIT TO PROSPECT **Cont #118**

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company **Honolulu Oil Corporation** Address **P. O. Drawer 1391, Midland, Texas**
Lessor or Tract **Jicarilla "A"** Field **Pine Lake (Pictured Cliff)** State **New Mexico**
Well No. **2** Sec. **25** T. **26N** R. **3W** Meridian **N.M.P.M.** County **Rio Arriba**
Location **990** ft. **[N.]** of **S** Line and **990** ft. **[W.]** of **E** Line of **Section 25** Elevation **7557**
(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 **George L. Hoy**

Date **November 2, 1960** Title **Division Drilling & Proration Engineer**

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

Commenced drilling **July 16,** 19 **60** Finished drilling **July 26,** 19 **60**

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

No. 1, from **3258** to **4034G** 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-	
8-5/8	24#	8rnd	CF&I	245	Texas	not cut	none		Surface
5-1/2	14#	8rnd	CF&I	4108	Guide	not cut	3976	4028	Production
1-1/4	2.40#	8rnd	-	4036	Ball Plug	not cut			Producing tubing

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8	228	125 sax	pump & plug	water	none
5-1/2	4108	300 sax	pump & plug	9.2 lbs. per gallon	none

PLUGS AND ADAPTERS

Heaving plug—Material **none** Length _____ Depth set _____
Adapters—Material _____ Size _____

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
not shot						

TOOLS USED

Rotary tools were used from **0** feet to **4110TD** feet, and from _____ feet to _____ feet
Cable tools were used from **not used** feet to _____ feet, and from _____ feet to _____ feet

DATES

September 21, 19 **60** Put to producing **not producing**, 19 _____

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 **1,115,000** Gallons gasoline per 1,000 cu. ft. of gas **1**

Rock pressure, lbs. per sq. in. **1,020**

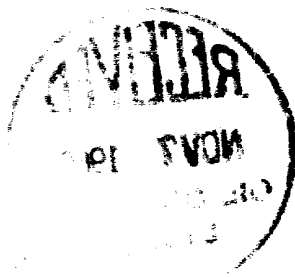
EMPLOYEES

H. C. Chapman Toolpusher, **BEER** **Leon Thomason**, Driller
Gene Ellia, Driller **H. E. Luper**, Driller

FORMATION RECORD

FROM-	TO-	TOTAL FEET	FORMATION
0	420	420	Sand & Shale
420	650	230	Shale
650	1,310	660	Sand & Shale
1,310	1,500	190	Sand
1,500	1,890	390	Sand & Shale
1,890	2,380	490	Shale
2,380	2,470	90	Sand & Shale
2,470	2,650	180	Sand
2,650	3,280	630	Shale
3,280	3,640	360	Shale & Sand
3,640	3,800	160	Sand
3,800	3,960	160	Shale & Coal
3,960	4,030	70	Sand
4,030	4,110TD	80	Shale

Top Pictured Cliffs 3965



Well spudded July 16, 1960. Set 8-5/8" surface casing at 228' and cemented with 125 sacks. Cement circulated. Drilled to total depth 4110'. Set 5-1/2" casing at 4108'. Cemented with 300 sacks cement. Top of cement behind the casing is at 3445' by temperature traverse. Repaired 5-1/2" casing from 3976' to 3992 and from 4014' to 4028' with 4 jet shots per foot. Sand frac well with 40,000 gallons water and 40,000 pounds sand. Cleaned out to 4072'. Set 1-1/4" tubing at 4036' with 8 differential pressure gas lift valves. Swabbed well off.

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" or 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.

HISTORY OF OIL OR GAS WELL

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

FROM-	TO-	TOTAL FEET	FORMATION
Core #1	3,951	3,980	Recovered 29'. Top 12' shale with coal seams. Bottom 17' slightly porous sandstone.
Core #2	4,037	4,037	Recovered 54'. Top 53' slightly scattered porous sandstone with shale stringers. Bottom 1' shale.
CORE RECORD			

			X

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Budget Bureau No. 49-R359.4
Approval expires 12-31-60.

Indian Agency Dulce, N. M.

Allottee Jicarilla Apache

Lease No. Contract 118

SUNDRY NOTICES AND REPORTS ON WELLS

RECEIVED

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	<u>001-7</u>
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL		SUBSEQUENT REPORT OF REDRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	<u>U. S. GEOLOGICAL SURVEY</u>
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	<u>INSTRUCTION NEW MEXICO</u>
NOTICE OF INTENTION TO ABANDON WELL		<u>Change in ownership</u>	X

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Jicarilla Apache #A 118

Farmington, New Mexico October 26, 19 61

Well No. 2 is located 970 ft. from S line and 970 ft. from E line of sec. 25

SW/4 NW/4 of Section 25 T-26-N R-3-W N.M.P.M.
(4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

Gavilan Plastered Cliffs Rio Arriba New Mexico
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is _____ ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

This is to report change in ownership from Honolulu Oil Corporation to Pan American Petroleum Corporation effective 7:00 A.M. October 18, 1961.



I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Pan American Petroleum Corporation

Address P. O. Box 480

Farmington, New Mexico

Attn: L. O. Spear, Jr.

ORIGINAL SIGNED BY
E. B. TURNER

By _____

Title Administrative Clerk

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