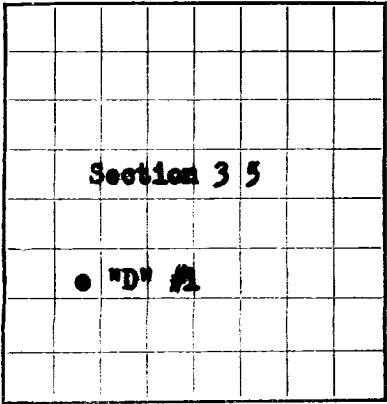


Form 9-330 **R-5-W**

Jicarilla Apache
U. S. LAND OFFICE
SERIAL NUMBER **Tribal 40; Tract 85**
LEASE OR PERMIT TO PROSPECT



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company **Amerada Petroleum Corporation** Address **Drawer D - Monument, New Mexico**
Lessor or Tract **Jicarilla Apache "D"** Field **Wildcat** State **New Mexico**
Well No. **1** Sec. **35** T. **24-N** R. **5-W** Meridian **NMPM** County **Rio Arriba**
Location **1600'** (N) of **4** Line and **990'** (E) of **W** Line of **Section 35** Elevation **6716'** **DF**
(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 *R. L. Rhodes*

Date **August 24, 1955** Title **District Superintendent**

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

Commenced drilling **August 15, 1955** Finished drilling **August 15, 1955**

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

No. 1 from **2332'** to **2450'** No. 4 from **2332'** to **2450'**
No. 2 from **2332'** to **2450'** No. 5 from **2332'** to **2450'**
No. 3 from **2332'** to **2450'** No. 6 from **2332'** to **2450'**
IMPORTANT WATER SANDS
No. 7 from **2332'** to **2450'** No. 8 from **2332'** to **2450'**
No. 9 from **2332'** to **2450'** No. 10 from **2332'** to **2450'**
No. 11 from **2332'** to **2450'** No. 12 from **2332'** to **2450'**
No. 13 from **2332'** to **2450'** No. 14 from **2332'** to **2450'**
No. 15 from **2332'** to **2450'** No. 16 from **2332'** to **2450'**
No. 17 from **2332'** to **2450'** No. 18 from **2332'** to **2450'**
No. 19 from **2332'** to **2450'** No. 20 from **2332'** to **2450'**
No. 21 from **2332'** to **2450'** No. 22 from **2332'** to **2450'**
No. 23 from **2332'** to **2450'** No. 24 from **2332'** to **2450'**
No. 25 from **2332'** to **2450'** No. 26 from **2332'** to **2450'**
No. 27 from **2332'** to **2450'** No. 28 from **2332'** to **2450'**
No. 29 from **2332'** to **2450'** No. 30 from **2332'** to **2450'**
No. 31 from **2332'** to **2450'** No. 32 from **2332'** to **2450'**
No. 33 from **2332'** to **2450'** No. 34 from **2332'** to **2450'**
No. 35 from **2332'** to **2450'** No. 36 from **2332'** to **2450'**
No. 37 from **2332'** to **2450'** No. 38 from **2332'** to **2450'**
No. 39 from **2332'** to **2450'** No. 40 from **2332'** to **2450'**
No. 41 from **2332'** to **2450'** No. 42 from **2332'** to **2450'**
No. 43 from **2332'** to **2450'** No. 44 from **2332'** to **2450'**
No. 45 from **2332'** to **2450'** No. 46 from **2332'** to **2450'**
No. 47 from **2332'** to **2450'** No. 48 from **2332'** to **2450'**
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No. 51 from **2332'** to **2450'** No. 52 from **2332'** to **2450'**
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No. 59 from **2332'** to **2450'** No. 60 from **2332'** to **2450'**
No. 61 from **2332'** to **2450'** No. 62 from **2332'** to **2450'**
No. 63 from **2332'** to **2450'** No. 64 from **2332'** to **2450'**
No. 65 from **2332'** to **2450'** No. 66 from **2332'** to **2450'**
No. 67 from **2332'** to **2450'** No. 68 from **2332'** to **2450'**
No. 69 from **2332'** to **2450'** No. 70 from **2332'** to **2450'**
No. 71 from **2332'** to **2450'** No. 72 from **2332'** to **2450'**
No. 73 from **2332'** to **2450'** No. 74 from **2332'** to **2450'**
No. 75 from **2332'** to **2450'** No. 76 from **2332'** to **2450'**
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No. 81 from **2332'** to **2450'** No. 82 from **2332'** to **2450'**
No. 83 from **2332'** to **2450'** No. 84 from **2332'** to **2450'**
No. 85 from **2332'** to **2450'** No. 86 from **2332'** to **2450'**
No. 87 from **2332'** to **2450'** No. 88 from **2332'** to **2450'**
No. 89 from **2332'** to **2450'** No. 90 from **2332'** to **2450'**
No. 91 from **2332'** to **2450'** No. 92 from **2332'** to **2450'**
No. 93 from **2332'** to **2450'** No. 94 from **2332'** to **2450'**
No. 95 from **2332'** to **2450'** No. 96 from **2332'** to **2450'**
No. 97 from **2332'** to **2450'** No. 98 from **2332'** to **2450'**
No. 99 from **2332'** to **2450'** No. 100 from **2332'** to **2450'**

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	8-R	Longstar	127'	Guide				Water Shut Off
5 1/2	15.3	8-R	Longstar	2450'	Production				Production

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8	138'	75	Halliburton		
5 1/2	2446'	200	Halliburton		

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
Perforated 5 1/2" casing from 2332' to 2368' with 120 Lane Walls Type "E" Bullets Sand-Oil Fractured thru 5 1/2" casing perforations with 13,000 gals. #2 Diesel Oil and 15,000/ Chambers Sand						

TOOLS USED

Rotary tools were used from **0** feet to **2450'** feet, and from _____ feet to _____ feet
Cable tools were used from **None** feet to _____ feet, and from _____ feet to _____ feet

DATES

August 19, 19**55** Put to producing **August 19**, 19**55**
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 **759,000** Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. **703**

EMPLOYEES

B. L. Rhodes, Driller **E. B. Foster**, Driller
Ronan Bond, Driller

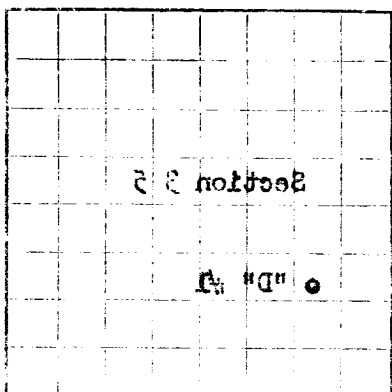
FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	4'	4'	Cellar
4'	140'	136'	Shale
140'	553'	413'	Shale & Sand
553'	1080'	527'	Sand & Shale
1080'	1589'	509'	Shale & Sand
1589'	1597'	8'	Sand & Shale
1597'	1730'	133'	Shale
1730'	1801'	71'	Sand & Shale
1801'	1982'	181'	Shale & Sand
1982'	2050'	68'	Sand & Shale
2050'	2166'	116'	Shale & some Sand
2166'	2244'	78'	Shale & Sand
2244'	2388'	144'	Sand, Shale & Coal
2388'	2450'	62'	Sand & Shale
	2450' TD		

Schlumberger Top of Pictured Cliff - 2332'

FOLD MARK

45



THE NEW YORK PUBLIC LIBRARY

LOCATE WELL CORRECTLY

[illegible]

Spudded 12 1/4" hole, 6-7-55. Drilled core located ran 6 5/8" OD casing set at 138' and cemented with 75 sacks. Cement slotted, slotted drilling to 138' 6-9-55 and drilled to 2450'. Finished KK 8-15-55. Ran Schlumberger log to 138' to 2443' and meterlog from 1900' to 2440'. Ran 1 1/2" OD casing set at 2446' and cemented with 200 sacks. Cement slotted casing. Cement slotted casing from 2338' to 2368' with 7 shots per foot for a total of 120 shots. Ran 3 3/8" OD HOE casing set at 2330' and sand-oil fracture, ran 5 1/2" casing perforations with 13,000 Gals. No diesel oil and 15,000 Gals. Ails. Sand. Slotted well off in 1 hr. and slotted to pits to 2338' (P).

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 pumps or bridges were put in at least for water, state kind of material used, position, and results of pumping or running.	8-8	ST	2/8	2/8
	Longest 157'	Casing	per foot	Weight per foot
	Make	Amount	Kind of stone	Cut and collected from
	To--			
	Page 60			

HISTORY OF OIL OR GAS WELL

FROM-	TO-	TOTAL FEET	FORMATION
2388'	2450'	62'	Sand & shale
2344'	2388'	44'	Sand, shale & coal
2161'	2344'	183'	Shale & sand
2050'	2161'	111'	Shale & some sand
1982'	2050'	68'	Sand & shale
1801'	1982'	181'	Shale & sand
1730'	1801'	71'	Sand & shale
1597'	1730'	133'	Shale
1589'	1597'	8'	Sand & shale
1080'	1589'	509'	Shale & sand
553'	1080'	527'	Sand & shale
140'	553'	413'	Shale & sand
4'	140'	136'	Shale
0	4'	4'	Sollar

Schlumberger Top of Picked Chert - 2388'

Flow pressure, lbs. per sq. in. 703

If gas well, oil & gas 24 hours 722,000

emulsion; 2% water; and 2% sediment

The production for the first 24 hours was

Put to producing.

~~XXXXXXXXXXXX~~ 1052

DATES

Cable tools were used from foot to

Rotary tools were used from foot to

TOOLS USED

and 12,000' Channels and 12,000' Fractured Pipe, 12" casing perforations with 12,000' casing and 12,000' casing 2388' to 2388' with 120' casing type 12" casing

SHOOTING RECORD

Abbers--Material

Blowing plug--Material

PROGS AND ADAPTERS

Halldorson

Halldorson

Size

Shell used

Explosive used

Quantity

Date

Depth (feet)

Depth (feet) out