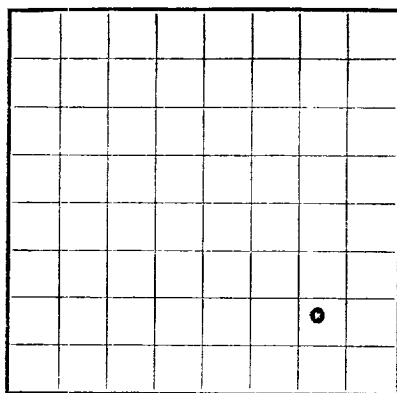




LOCATE WELL CORRECTLY

U. S. LAND OFFICE Jicarilla Apache
SERIAL NUMBER Cont. # / Tract #
LEASE OR PERMIT TO PROSPECT Jicarilla Apache "A"UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Amerada Petroleum Corporation Address Box 535 Farmington, N.M.
Lessor or Tract Jicarilla Apache "A" Field Undesignated State New Mexico
Well No. 5 Sec. 25 T. 25 N. R. 5 W. Meridian NMPM County Rio Arriba
Location 880 ft. N of N Line and 990 ft. E of W Line of Sec. 25 Elevation 7001 D.F.
(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 [Signature]Date August 16, 1956Title Foreman

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

Commenced drilling 5-14-56, 1956 Finished drilling 7-29-56, 1956

OIL OR GAS SANDS OR ZONES

(Deplete gas by G)

No. 1, from 6550 to 6560 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
8-5/8	24	8-R	Mat. Tube	227'	Guide			Surface
5-1/2	17	8-R	GM-I	231'	Flare			Production
5-1/2	15.5	8-R	GM-I	433'				

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8	227'	125	Halliburton		
5-1/2	6650'	150	"		

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 7743 feet, and from feet to feet
Cable tools were used from feet to feet, and from feet to feet

DATES

August 16, 1956, 1956 Put to producing 8-5-56, 1956

The production for the first 24 hours was 12.82 barrels of fluid of which 100% was oil; % emulsion; % water; and % sediment. Gravity API 40.7

If gas well, cu. ft. per 24 hours Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in. EMPLOYEES EMPIRE STATES DRILL CO.EMPLOYEES NICHOLS DUNCAN DRILL CO.

W.M. Bragdon, Driller B.J. Webb, Driller
A.O. Ebersold, Driller Troy E. Mann, Driller
Grady Sisson, Driller J.F. Walker, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1330	1330	Sand & Shale
1330	1731	401	Shale
1731	1922	191	Sand & Shale
1922	2382	460	Shale
2382	2680	298	Sand & Shale
2680	2847	167	Sand & Shale & Coal
2847	3028	181	Shale
3028	3268	240	Sand & Shale
3268	3984	716	Shale
3984	4050	66	Sand & Shale
4050	4733	683	Shale
4733	4833	100	Shale & Sand
4833	4836	3	Shale
4836	4978	142	Shale & Sand
4978	5013	35	Shale
5013	5182	169	Shale & Sand
5182	6555	1373	Shale
6555	6610	55	Sand
6610	6625	15	Sand & Shale
6625	6694	69	Shale
6694	6855	161	Shale & Sand
6855	7295	440	Shale
7295	7340	45	Shale & Sand & Lime
7340	7426	86	Shale & Sand
7426	7632	206	Shale & Lime
7632	7743	111	Shale, Sand & Lime

FROM—	TO—	TOTAL FEET	FORMATION
			DETERMINED FORMS
			La. Tombstone
			Old House
			Manatee
			Point Look Out
			Meades
			Upper Hogwash
			Lower Hogwash
			Old Map
			Barstee
			Large Granite
			Green Horn
			Gravel
			Top of Green Sand
			Dalton
			Kottison
4105' ±2898			
4768 ±2235			
4842 ±2161			
5302 ±1621			
5510 ±1493			
6394 ±609			
6475 ±528			
6542 ±461			
7081 ±78			
7275 ±272			
7330 ±327			
7352 ±349			
7490 ±487			
7695 ±692			

SHOOTING RECORD

PILES AND ADAPTERS

RECORDING AND CALCULATING RECORD

HISTORY OF OIL OR GAS WELL

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, position, and number of shots. If pigs or bridges were put in to test for water, state kind of material used, position, and results of pumping or balling.

Spudded 12-1/4" hole @ 12 noon 5-14-56 & drilled to 232' @ 9:00 p.m. 5-14-56.
Ran 5 1/8" casing @ 254' & cemented w/125 lbs. cement, mixed 2% gel.
& 2% oil, character. Ramped plug to 290' @ 12 midnight 5-14-56. Cement size.
W.O.C. Tested egg. before drilling cement w/2000# & after drilling cement w/500#
hole OK. Started 7-1/8" hole @ 5:15 p.m. 5-16-56 and drilled to 7443' 7-1-56.
7-4-56 Ran 5 1/2" 17' casing & 126 lbs 5-1/2" 15.5# egg & set @ 6650'.
Cement w/150 lbs. egg. cement mixed 2% gel. Ramped plug to 6606' @ 5:30 p.m. 7-4-56.
Mex. press 1200' & bled back to 1200'. W.L.B. Run camp. survey and found top of
cement @ 6080'. Outside of 5-1/2" egg - 618' 111'. Tested 5-1/2" egg. w/1500# after
drilling out - held OK. Perforated from 6550-6560' w/4 type B bullets/ft. Ran
But full bore cementing tool @ set @ 6485'. Block formation w/2200#.
July 8th to 12th - snubbing. 7-12-56 Sand oil trace 5-1/2" egg. Perforations
from 6550-6560' w/10,000 gal studs @ 10,000# 20-40 sand. Mex. press. 2000#, w/m
1850#. R.P. 1400#. Inj rate 26 bbl/min. Finished w/203 bbl oil. Set 203 lbs
2-3/8" tubing @ 6534 & bled @ 6524', setting nipple @ 6515' & 11' long well head.
Snubbing 8-5-56 after recovered and lost oil. Well pumped 12.82 bbl oil, .13 bbl
water in 24 hrs on 12 - 54" B.M. Gas vol. 45,222 cu ft. GOR 3527. Corr. cty 40.7.