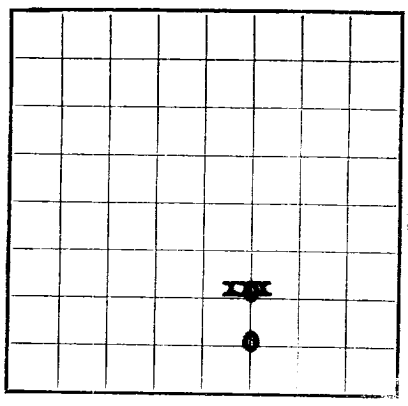
Form 9-330

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

U. S. Land Office Window Rock
Serial Number 14-20-603-323
Lease or Permit to Prospect



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Amerada Petroleum Corporation Address Box 535 Farmington, New Mexico
Lessor or Tract Gle-Na-Nup-Pah Field Bisti Lower Gallup State New Mexico
Well No. 1 Sec. 5 T. 25-N R. 12-W Meridian NMPM County ext. San Juan
Location 660 ft. [N./S.] of S Line and 1980 ft. [E./W.] of E Line of Sec. 5 Elevation 6188' 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

Date August 29, 1956 Title Foreman

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

Commenced drilling 7-29-56, 19 Finished drilling 8-6-56, 19

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 4846 to 4854 No. 4, from to
No. 2, from 4861 to 4872 No. 5, from to
No. 3, from 4780 to 4800 No. 6, from to

IMPORTANT WATER SANDS

No. 1, from None 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 From	Perforated To	Purpose
8-5/8	24#	8-R	Natl	305'	Guide				Surface
5-1/2	15.5	8-R	CPS	5060'	Float				Production

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8	305'	150	Mountain Ser. Corp.		
5-1/2	5060'	400	Rockey Mtn. Cementers		

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 5060 feet, and from feet to feet
Cable tools were used from feet to feet, and from feet to feet

DATES

August 29, 1956, 19 Put to producing August 18, 1956 Formation Oil

The production for the first 24 hours was 758.83 barrels of fluid of which 99 % was oil; % emulsion; 1 % water; and % sediment. Gravity, °Bé/ API 37.9

If gas well, cu. ft. per 24 hours Gallons gasoline per 1,000 cu. ft. of gas
Rock pressure, lbs. per sq. in.

EMPLOYEES - ARAPAHOE DRILLING CO

, Driller , Driller
, Driller , Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	4050	4050	Sand & Shale
4050	4274	224	Shale
4274	4384	110	Sand & Shale
4384	4630	246	Shale
4630	5060	430	Sand & Shale

SCHLUMBERGER TOPS

Picture Cliff	1142'	+5048
Upper LaVentanna	1561'	+4629
La Ventanna	1870'	+4320
Cliff House	2916'	+3274
Menefee	2990'	+3200
Upper Point Look Out	3604'	+2586
Lower Point Look Out	3740'	+2450
Upper Mancos	3769'	+2421
Upper Gallup	4679'	-1511
Lower Gallup	4768'	+1422
Lower Mancos	4926'	+1264

FOLD | MARK

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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, 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.

Spudded 12-1/4" hole @ 11 p.m. 7-29-56. Finished drilling 12-1/4" hole to 310' @ 4:30 a.m. 7-30-56. Ran 7 jts 8-5/8" OD 24# csg set @ 305' & cemented W/158 sks reg. cement mixed 2% gel. Pumped plug to 285' W/150# press. Cement circ. WOC. Drilled plug & cement from 285-305' & washed to 310'. Tested 8-5/8" csg W/500# held OK. Started drilling 7-7/8" hole @ 11:45 p.m. 7-30-56 and drilled to 5060' @ 11:30 p.m. 8-6-56. Ran Schlumberger surveys. Ran 157 jts 5-1/2" 15.5# OD csg. & set @ 5060' W/400 sks reg. mixed 2% gel. Max. press. 1100#. Pumped plug to 4997' @ 9 p.m. 8-7-56. Cement did not circulate. WOC. Drilling cement & plug to 5048'. Tested 5-1/2" W/500# - held OK. Ran Lane Wells logs. Perforated 5-1/2" OD csg from 4846-4854 & 4861 to 4872' W/4 H gun bullets/ft (76). Sand-oil frac perforations from 4846-4854' & 4861-4872' W/30,000 gal lse. crude & 50,000# Ottawa Sand. Formation broke @ 2400#. Max. press. 2200#, min. 1800#. Final press. 800#. Avg. inj. rate 36.6 bbl/min. Perforated 5-1/2" csg from 4780-4800' W/4 H gun bullets/ft (80). Sand-oil frac perforations from 4780-4800' down 5-1/2" csg W/30,000 gal lse. crude & 30,000# 20-40 sand. Break down press. 2400#. Max. treating press. 2200#. Min. press. 1800#. F.P. 1000#. Avg. inj. rate 41.3 bbl/min. Preparing to swab. Swabbed 8-11 to 8-13-56 and well started flowing. Rig released 8-13-56. Completion - Flowed 751.32 bbl oil, 7.51 bbl water in 24 hrs on 32/64" ck. T.P. 190#, C.P. 0#, Gas Vol. 342,960 CFPD, GOR 456. 24 hr test. Gty - 37.9 corr.