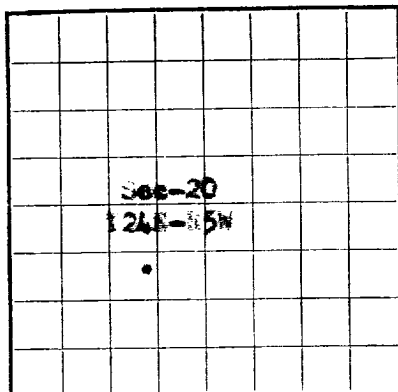


Indian Agency

U. S. LAND OFFICE Dulce, New Mexico

SERIAL NUMBER Coalt. #11-1r-19

LEASE OR PERMIT TO PROSPECT
J. Apache "B"

LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYRECEIVED
FEB 5 1963LOG OF OIL OR GAS WELL
U. S. GEOLOGICAL SURVEY
WASHINGTON, NEW MEXICO

Company Amerasia Petroleum Corporation Address Box 1469, Durango, Colorado
Lessor or Tract Federal Gov't (Apache) Field Basin Dakota State New Mexico
Well No. 10 Sec. 20 T. 24 R. 5W Meridian EMPM County de Arriba
Location 1850 ft. N. of 3 Line and 1850 ft. E. of 4 Line of Section 20 Elevation 6677'
(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 J. F. Furse J. F. FurseDate January 31, 1962 Title Foreman

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

Commenced drilling January 9, 1963 Finished drilling January 24, 1963OIL OR GAS SANDS OR ZONES
(Denote gas by G)
Completed w/Unit released January 30, 1963

No. 1, from 2291'-2378' to Zone G No. 4, from 5519'-6126' Gallup Zones, Non-Producing
No. 2, from Cemented off w/ D.V. Tool & protected 5, from Prod. & cemented off for protection.
No. 3, from to No. 6, from 499'-6638' Graneros Zones - G.
6638'-6869' Dakota Zones - G

IMPORTANT WATER SANDS
Producing from above - See Below.

No. 1, from None encountered 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—	
9-5/8"	25.4	8-9	Amco	160'	TF	None			
3-1/2"	9.4	8-9	Amco	6881'	None	None			
3 1/2" string was D.V. Tool set at 2419' - New below for cementing.									
After drilling out D.V. tool at 2419' - Tested 3 1/2" casing w/4000' for 1/2 Hour - Held OK.									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9-5/8"	173'	150	Halliburton -	Cement Circulated.	
3-1/2"	6881'	350	Halliburton -	9.47	
D.V. Tool in String 2419' was cemented with 75 Sacks Cement on second stage					
Top of Cement outside of 3 1/2" casing on lower stage is 5500' and second stage is 2100'.					

PLOGS 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
None - as below for perforating record.						

TOOLS USED

Rotary tools were used from feet to feet, and from feet to feet
Cable tools were used from feet to feet, and from 0' feet to 6886' TD.

DATES

Well shut in 3 days test 1/31/63 Put to producing waiting on Sales Connection
Tested 1/31/63.

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
3,472 CF

Rock pressure, lbs. per sq. in. 275' at end of test. will produce thru 3 1/2" CD casing
EMPLOYEES tubingless completion.

A. Rutenbiller, Driller C. Wilson, Driller
Glen Sanford, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
FORMATION RECORD			
0' - 6888' Sand and Shale			
6888' Total Depth.			
NO LOGGING DATA			
NO DRILL LOG DATA			
FINAL LOG - HILLS TOPS			
Artland-Fruitland	2031'	+4648'	
Pictured Cliffs	2291'	+4386'	
Lewis	2378'	+4301'	
La Ventana "A"	3093'	+3586'	
base La Ventana "A"	3242'	+3437'	
Allison-Cleary	3796'	+2883'	
Point lookout	4432'	+2247'	
Rancho	4657'	+2022'	
Upper Gallup	5519'	+1160'	
Lower Gallup	5724'	+955'	
Sanaslee	6126'	+553'	
Lower Rancho	6222'	+457'	
Greenhorn	6436'	+243'	
Graneros	6499'	+180'	
Upper Dakota	6638'	+11'	
Lower Dakota	6750'	-71'	
Torrison	6869'	-190'	

(OVER)

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
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1-23-24/63 - 6688' total depth:		Set 3 1/2" casing at 6681', w/monoco float shoe, monoco float collar - 6820', sand w/mono scratchers and centralizers from (6618'-6662'), Halliburton D.V. Tool at 2419', cemented by Halliburton, first stage in Dakota zone, w/250 sacks formula w/12 1/2 aluminum per sack, mixed 45 gal, 3 3/4 CR2, 100 sac formula, mixed 65 gal, 3 3/4 CR2, max. press. 2000#, pumped plug to 6820' 1/24/63, w/3500# press. Cemented second stage through D.V. Tool at 2419' by Halliburton, w/75 sacks class 80 cement, mixed 65 gal. Pumped plug to 2419', w/2550# press. suc. Drilled out Halliburton D.V. Tool at 2419' and tested 3 1/2" casing by Hallib. w/4000# pressure for 1 1/2 hours - Held OK. Stage at 5500', and top of cement outside 3 1/2" casing on lower stage at 5500'. Perforated 3 1/2" casing w/1 1/2" shot per foot from (6544'-6548') (6640'-6650') and (6664'-6668'). Sand-water fractured by Halliburton through above perforations w/64,000 psi. 50-60 mesh sand and 56,000 gal. water, breakdown press. 2400#, treating press. 4500#, avg. inj. rate 21.1 bbls/min. Flushed with 4000 bbls. water. Increased shut down press. 2300#, after 30 min. 1000#. Opened well to pit at 1100 in turn 3 1/4" choke, unloaded ext. 5000bbls. Free water to pit, at end of test spray ext. at 25 bbls. water per/hr. w/order of 12000bbls, and gas rate of 2,551 MCF/DAY. Gas measurement difficult to measure on account of water spray, avg. press. 3800# at end of test. Opened well at 11:25 in for 9 hr. test to air, casing press. 2237# at start of test by test w/1200# pressure. 3 1/4" test w/1200# pressure, gas fol at end of 3 hr. period 3,472 MCF/DAY, avg 3530 MCF.		FORMATION RECORD
1-24-63		EMPLOYEES		TOOLS USED
		SHOOTING RECORD		PLUGS AND ADAPTERS
		MUDGING AND CEMENTING 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, 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.

CASING RECORD

IMPROVING WATER SANDS

OIL OR GAS SANDS OR ZONES

LOG OF OIL OR GAS WELL

U. S. GEOLOGICAL SURVEY
WASHINGTON, NEW MEXICO

FEB 2 1963

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
UNITED STATES

RECEIVED

Field or Party to Prospect
Bureau Number
U. S. Land Office

Approved (Initials)
Special Agent in Charge