

Indian Agency - Window Rock,
U. S. LAND OFFICE - ARIZ.

SERIAL NUMBER 14-20-0603-7267

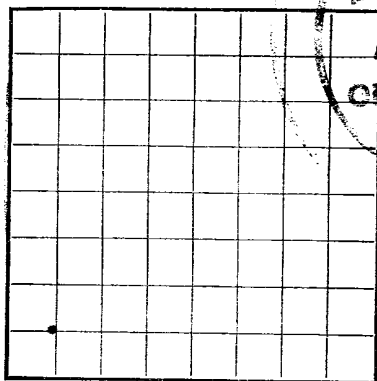
LEASE OR PERMIT TO PROSPECT

Navajo Tract #32

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY



LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company Amerada Petroleum Corporation Address Box 1469, Durango, Colorado
Lessor or Tract Federal Gov't. (Navajo) Field Wildcat-S. Bike State New Mexico
Well No. 1 Sec. 27 T. 28N R. 19W Meridian NMPM County San Juan
Location 660 ft. N. of N Line and 660 ft. E. of E Line of Sec. 27 Elevation 5515'
(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] D. C. FurseDate July 27, 1963Title Foreman

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

Commenced drilling May 17, 1963 Finished drilling July 8, 1963

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from None to _____ 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 None encountered 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—	
9-5/8"	32.30	8-RT	H-40	1288'	maker				
HISTORIA OF THE WELL									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9-5/8"	1288'	750	Halliburton - Cement Circulated		

PLUGS AND ADAPTERS

Heaving plug—Material See Back / Plug Length _____ Depth set _____
Record
Adapters—Material _____ Size _____

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
	<u>None</u>					

TOOLS USED

Rotary tools were used from 0 feet to 7715 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

None, 19____ Put to producing No P&A, 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 _____ Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

R. A. Helbrook, Driller H. J. Hickey, Driller
R. A. Davis, Driller R. S. Hickel, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0'	160'	160'	Shale
160'	2139'	2029'	Sand & shale
2139'	4046'	1857'	Sand, shale & lime
4046'	5036'	990'	Sand, shale & chert
5036'	5778'	742'	Sand, shale & anhydrite
5778'	6026'	248'	Shale, lime & anhydrite
6026'	6669'	643'	Sand, shale & lime
6669'	6904'	235'	Sand & lime
6904'	7126'	222'	Sand, lime & chert
7126'	7255'	129'	Lime & dolomite
7255'	7429'	174'	Lime, dolomite & shale
7429'	7464'	35'	Sand, lime & chert
7464'	7694'	230'	Sand, shale & lime
7694'	7715'	21'	Sand, shale & granite

NO CORRECTION

Drill Stem Test #1 - from 6408' to 6442', Paradox A & B Zone, 1 hr. & 25 min. test, 4" D.H. w/ryd. Jars & Oils. Sub. No water cushion, 3/4" btm. and 1/2" top openings, perf's. from 6538' to 6588' and 6430' to 6410'. Opened tool and had good blow of air immediately for 10 min., decreased and died in 25 min. Closed tool for 1 1/2 hr. B.H.P. recovered 140' slightly gas-out mud and 3940' mud. No Shows, except for questionable trace of gas. IHP 3245#, YHP 3220#, IFF 1170#, PFP 2105#, 30 Min. B.H.P. 2455#, 1 hr. B.H.P. 2565#, 90 Min. B.H.P. 2645#

(continued on back)

(OVER)

10-48094-4

FORMATION RECORD—CONTINUED

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 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

16-43094-2 U. S. GOVERNMENT PRINTING OFFICE

FROM-	TO-	TOTAL FEET	FORMATION
Well			
Plugged top of 9-5/8" surface casing w/10 sacks cement. Hole is filled with heavy tectite mud between plugs. (Metal) dry hole marker and abandon			
40 "	"	2750' - 100'	
60 "	"	3900' - 100'	
40 "	"	5800' - 100'	
60 "	"	6450' - 150'	
85 "	"	7050' - 200'	
45 sacks cement from 7000' to 7125' - 119' plug			
7-7-83 - 7125' total depth: Plug and abandon; spotted cement plug in well as follows:			
Drill Stem Test #2 - from 6745' to 6900', mudstone zone, 1 hr. test, 4" D.P., no water cushion, 3/4" bit. and 1/4" top opening, 30' of pers. opened tool and had very weak flow of air for 2 min. Closed tool for 14 hr. recovered 45' drill. mud, no show of oil, gas or water. IRR 3454, RFP 3422, IRR 96, RFP 114, 30 min. 154, 60 min. 174, 90 min. 234			
Drill Stem Test #3 - from 7100' to 7134', Mississippi zone, 4 hr. test, 4" D.P., no water cushion, 5/8" bit. opening & 1" top opening. opened tool and had good flow of air immediately, continued to flow for 4 hrs., no flammable gas to surface. Order seemed to change after 20 min. total 23,569 cu./ft. per day. Closed tool for 90 min. B.H.P. trace of blow continued for 90 min. recovered 100' slightly gas or air-cut mud, no trace of oil or water. IRR 3652, RFP 3598, IRR 87.50 RFP 87.50, 30 min. 2746, 60 min. 2879, 90 min. 2907			
Drill Stem Test #4 - from 7174' to 7236', Mississippi zone, 4 hr. test, 4" D.P., no water cushion, 1" top opening & 3/4" bit. opening. opened tool and had weak flow of air immediately, increased to fair blow in 10 min., continued same for 2 hrs. 38 min. Started flowing drill. mud & salt water for remainder of test. Closed tool for 90 min. B.H.P. recovered 7145' of salt water. no shows. IRR 3704, RFP 3661, IRR 436, RFP 3220, 30 min. 3420, 60 min. 3487, 90 min. 3497			
Lower Calfup	200'	4537	Chinamp
Greenhorn	952'	4565	Le Chelly
Graneros	1020'	4497	Green Rock
Dakota	1068'	449	Upper Heros
Korison	1215'	4302	Faradox
Summerville	2072'	4345	Faradox
Podito	2270'	4327	Kojas
Intrada	2287'	4330	Mississippian
Moss Back	3696'	4182	Nevothan-Libert
Geological Sample Zone			
Mississippian (Results) 7665' - 4182'			

FORMATION RECORD-CONTINUED



LTR



Job separation sheet

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Indian Agency Window Rock, Ariz.
Navajo
Allottee Navajo Trust #32
Lease No. 14-22-0423-7227

Sec. 27	T22S-R2E

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING
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
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY
NOTICE OF INTENTION TO ABANDON WELL	<u>Subsequent report for setting surface casing</u>

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

May 27, 1963

Well No. 1 is located 660' ft. from S line and 660' ft. from W line of sec. 27

SW 1/4, Sec. 27 22N 12W 107W
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Wildcat-South Mine Area San Juan New Mexico
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 5505 ft. Ungraded

DETAILS OF WORK

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

5/21/63 - 1200' T.D.: Spud 12 1/2" hole at 3:30 P.M., 5/27/63.

Run and set 9-5/8" 32.30 GWT 5-10 20 Gg. Run at 1200' w/water float shoe and 6 centralizers. Cemented w/750 lbs. cement w/ 1/2" floats per ft. and 25 lb-ft added. Max. Pressure 1000#. Pump plug to 1200'. Cement circulated.

WCE

Test 9-5/8" Gg. and B.O.P. with 1000# Pressure - 30 minutes - Hold 25'

Drilling ahead.

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

Company Amenda Petroleum Corporation

Address Box 1449

Durango, Colorado

Ph. - 247-5313

By R. F. Furee

Title Production Foreman

