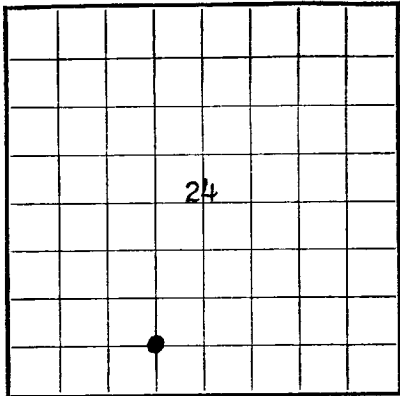




LOCATE WELL CORRECTLY



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER Navajo Tribal
LEASE OR PERMIT TO PROSPECT _____



LOG OF OIL OR GAS WELL

Company Amalgamated Petroleum Co. Address 750 West 48th Avenue
Lessor or Tract Navajo Tribe Field Wildcat State New Mexico
Well No. 3 Sec. 24 T. 32NR. 18W Meridian NMPM County San Juan
Location 660 ft. [N.] of S. Line and 1980 ft. [E.] of W. Line of Section 24 Elevation 5455
(Derriek 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 C. S. Harmon

Date 8/24/61 Title President

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

Commenced drilling August 10, 1961 Finished drilling August 14, 1961

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

No. 1, from 1108 to 1127 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 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—	
7	22	8	1156	20	None	1156			Surface
4-1/2	11	8	1156	45	None	1163			Production

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
7	22'	5	Puddling		
4-1/2	1158'	45	Circulated		

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 23 feet, and from 23 feet to 1163 feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

August 24, 1961 Put to producing August 18, 1961
The production for the first 24 hours was 49 barrels of fluid of which 100 % was oil; _____ %
emulsion; _____ % water; and _____ % sediment. Gravity, °Bé. 40.3
If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. 45 lbs

EMPLOYEES

Carl Harmon, Driller _____, Driller
_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1013	1013	Mancos Shale
1013	1128	115	Gallup
1128	1163	35	Sanastee
FROM—	TO—	TOTAL FEET	FORMATION

Form approved by
Budget Bureau No. 42-10324-1

U. S. LAND OFFICE
Havajo Tribal
SERIAL NUMBER
LEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

10

20

30

40

50

60

70

80

90

100

10

20

30

40

50

60

70

80

90

100

Company..... Amalgamated Petroleum Co.
Address..... 750 West 48th Avenue
State..... New Mexico
Field..... Wilcox
County..... San Juan
Twp.....
Sec..... 24
T..... 32N
R..... 18W
Location..... 660 ft. N. of 2nd line and 1934 ft. E. of W. line of Section 24
Elevation..... 5425
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.....
Title..... President
Date..... 8/24/61
The summary on this page is for the condition of the well at above date.
Commenced drilling..... August 10, 1961
Finished drilling..... August 14, 1961

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 1108 to 1127 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 to
No. 2, from to No. 4, from to

CASING RECORD

Casing	Weight per foot	Length in feet	Amount	Kind of shoe	Cut and drilled from	Ported	Purpose
1108	22	118	2	Rotary	1108	1108	Rotary
1127	22	118	2	Rotary	1127	1127	Rotary

HISTORY OF OIL OR GAS WELL

10-43094-2 U. S. GOVERNMENT PRINTING OFFICE

MUDDING AND CEMENTING RECORD

Casing	Weight per foot	Length in feet	Amount	Kind of shoe	Cut and drilled from	Ported	Purpose
1108	22	118	2	Rotary	1108	1108	Rotary
1127	22	118	2	Rotary	1127	1127	Rotary

PLUGS AND ADAPTERS

Heaving plug..... Material.....
Size.....
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 23 feet and from 23 feet to 1163 feet
Cable tools were used from 0 feet to 23 feet and from 23 feet to 1163 feet

DATES

Put to producing..... August 24, 1961
The production for the first 24 hours was 40 barrels of fluid of which 100% was oil; 20%
emulsion; 0% water; and 0% sediment.
If gas well, cu. ft. per 24 hours.....
Rock pressure, lbs. per sq. in. 145 lbs.
Gallons gasoline per 1,000 cu. ft. of gas.....
Gravity, °Be. 10.2

EMPLOYEES

Carl Harmon, Driller
Driller
Driller

FORMATION RECORD

FROM-	TO-	TOTAL FEET	FORMATION
0	1013	1013	Francos shale
1013	1128	115	Gallup
1128	1163	35	Sansate

FORMATION RECORD-Continued

10-43094-2