COPY

Form 9-330

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

Sec. 13

RBK

.21

LOCATE WELL CORRECTLY

U. S. LAND OFFICE Navajo Tribal
SERIAL NUMBER Contr. #14-20-603-2022
LEASE OR PERMIT TO PROSPECT Tract #140
Navajo "A"

RECEIVED APR 1 1960 OIL CON. COM. DIST.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Socony Mobil Oil Company, Inc. Address Box #2406, Hobbs, New Mexico

Lessor or Tract Navajo "A" Field Horseshoe Gallup State New Mexico

Well No. 21 Sec. 13 T. 31N R. 17W Meridian N.M.P.M. County San Juan

Location 1863 ft. {N.} of S Line and 2070 ft. {E.} of W Line of Sec 13 Elevation 5856'
{S.} {W.} (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 Original Signed by: C. H. Samples

Date January 27, 1960 Title District Superintendent

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

Commenced drilling 11-17/59, 19 Finished drilling 11-23-59, 19

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 1489 to 1612 No. 4, from to

No. 2, from to No. 5, from to

No. 3, from to No. 6, from to

STAMPED
Received:
Feb. 3, 1960
U. S. Geological Sur.
Farmington, New Mexico

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 From—	Perforated To—	Purpose
8-5/8	24#	8RT	Lone Pipe	99'					Surface String
5-1/2	14#	8RT	J-55	1647'			1489	1612	Oil String

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8	112'	80 sks	Pump & Plug		
5-1/2	1657'	100 sks	Pump & Plug		

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 1657 feet, and from feet to feet

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

DATES

1-19-60, 19 Put to producing 1-19-60, 19

The production for the first 24 hours was 62 barrels of fluid of which 100 % was oil; - % emulsion; - % water; and - % sediment. Gravity, °Bé. 41° @ 60° F

GOR 142/1

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

Rock pressure, lbs. per sq. in.

EMPLOYEES

-, Driller , Driller

, Driller , Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
1404	1488		Lower Gallup
1488	1597		1st Sand
1597	1623		2nd Sand
1623	1657		Sanostee

PERFORATIONS

Perf 5½" Csg 1489 - 92'; 1494 - 1500'; 1597 - 1603', 1608 - 1612' w/ 2 SPF.

ACIDIZING

Halliburton SOF Perf w/ 19000 gals lease crude plus 38000# 10-20 mesh sand. Break down press. 1400-1000#, CP 1500-1200#, Av Inj 42 BPM 5 min SIP 400#. Used 25 Ball sealers in two stated, pump 9500 gals lse crude plus 19000# sand, dropped 15 balls, CP 1000-1350-1000. Pumped 4750 gals lease crude plug 9500# sand, dropped 10 balls, CP 1150-1500-1250#. Pumped 4750 gals lease crude plug 9500# sand.

Well Record

4-17-59	Staked location.
11/17-59	Commenced drilling operations.
11-18-59	Ran 99' of 8-5/8" csg set 112'
11-19-59	Tested 8-5/8" csg with 7-# for 30 mins, OK.
11-23-59	Schlumberger ran Sonic Log & Induction Log
11-23/59	Ran 1647' of 5½" csg set @ 1657'.
11-24-59	Tested 5½" csg w/ 1200# for 10 mins, OK.
11-24-59	Lane Wells ran correlation log, & perf 5½" csg 1489-92, 1494-1500, 1597-1603, 1608-1612 w/ 2 SPF.

(OVER)

16—43094-4

FOLD | MARK

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION

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

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.

11-24/59	Halliburton sand oil frac perf w/ 19000 gals lse crude plus 30000# 10-20 mesh sand.
12 -2-59	Ran 2" Tubing, rods and pump.
1 -20-60	Completed potential test.

OIL CON
FEB 1960
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