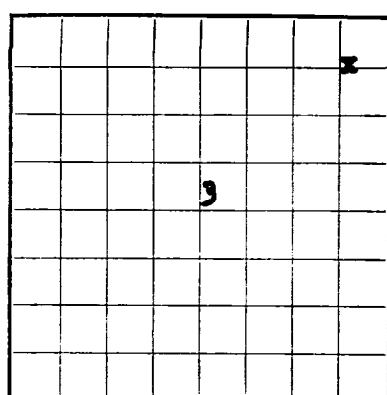
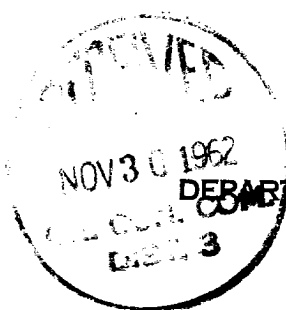


COPY

Form 9-330

Form approved.
Budget Bureau No. 42-R355.4.U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 078135
LEASE OR PERMIT TO PROSPECT Crandel Federal

LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Socomy Mobil Oil Company, Inc. Address P. O. Box 3371 Durango, Colorado
Lessor or Tract Crandel Federal Field _____ State New Mexico
Well No. #1 Sec. 3 T. 26N. 9W Meridian NMFM County San Juan
Location 660 ft. [N] of N. line and 660 ft. [W] of E. line of Sec. 3 Elevation 6394 Gnd.

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 P. M. BarryDate August 30, 1962Title Dist. Prod. Supt.

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

Commenced drilling Dec. 13, 1951 Finished drilling Mar. 11, 1952

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 6615 to 6789 G 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 _____ 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—	
<u>9-5/8</u>	<u>30.4</u>	<u>8</u>	<u>J-55</u>	<u>304</u>	<u>Guide</u>				<u>Surface</u>
<u>5-1/2</u>	<u>15.54</u>	<u>8</u>	<u>J-55</u>	<u>6615</u>					<u>Intermediate</u>
<u>4</u>	<u>11.6</u>	<u>8</u>	<u>J-55</u>	<u>261</u>	<u>Guide</u>				<u>Liner</u>

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>9-5/8</u>	<u>304</u>	<u>200</u>	<u>Pump & Plug</u>		
<u>5-1/2</u>	<u>6615</u>	<u>90</u>	<u>Pump & Plug</u>		
<u>4</u>	<u>6808</u>	<u>250</u>	<u>Pump & Plug</u>		

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 _____ feet to 6808 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

_____, 1952 Put to producing Waiting on Connection, 19_____
The production for the first 24 hours was _____ barrels of fluid of which _____% was oil; _____% emulsion; _____% water; and _____% sediment. Gravity, °Bé. _____
(Note: 1st Day Prod. Sept. 28, 1962)
(If gas well, cu. ft. per 24 hours 1120 CAOF) Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. _____

EMPLOYEES

_____, Driller _____, Driller
Demman Drilling Co., Driller _____, Driller

FORMATION RECORD

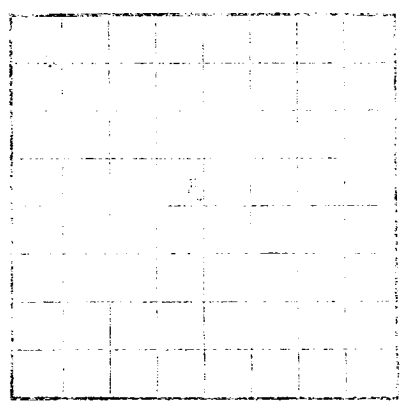
FROM—	TO—	TOTAL FEET	FORMATION
<u>Formation Tops</u>			
<u>Pictured Cliffs</u>	<u>2175</u>		
<u>Cliff House</u>	<u>3845</u>		
<u>Point Lookout</u>	<u>4490</u>		
<u>Mancos Shale</u>	<u>4460</u>		
<u>Tosito</u>	<u>5977</u>		
<u>Green Horn Lime</u>	<u>6450</u>		
<u>Dakota</u>	<u>6613</u>		
<u>Completion Summary:</u> This well was drilled by Magnolia Oil Co. in 1952 and completion was attempted in open hole 6615/6789, however apparent liquid build up and sand fill prevented a commercial completion. On 3/30/62 the hole was cleaned out to <u>6808</u> . Ran 261' 11.6# V. F. J. 11.6# liner including Baker shoe and Burns liner hanger. Hung at 6803. Top hanger at 6542. Perf'd 2 jets/ft at 6710, 6705, 6700, 6644, 6633, 6624, and 6554. (total 11 holes) Sand oil frac'd thru perfs- 33000 Gal crude, 18000 # 20 - 40 sand. Run tubing and potential well on 5/1/62.			
<u>NMOCC Potential</u> 5/1/62 3 Hrs thru 3/4" choke, 1105 MCF/D, FCP 77 PSIG, CAOF 1120 MCF/D, SICP 1911 PSIG/7 Days			

(OVER)

16-43094-5

USGS Form 4

Form 1
File 1



LOG OF OIL OR GAS WELL

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

The information given hereafter is a complete and correct record of the well and all work done thereon
 as far as can be determined from all available records.
 Signed _____
 Location _____ of _____ and _____ [S] of _____ line of _____
 Well No. _____ Sec. _____ T. _____ R. _____
 Lessor or Tract _____ State _____
 Company _____

The summary on this page is for the condition of the well above state

ARMED AND DANGEROUS. END PAGE TWO.

to from 8.07
to from 8.07
to from 8.07

IMPORTANT WATER SANDS

..... to from A to
..... to from A to

CASING RECORD

Complete Well Log	Thruway Bar	Name	Location	Kind of Spec	Kind and Depth of Spec	Remarks
It is of the greatest importance to have a complete history of the well. Please state in detail the dates of re-drilling, 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 pigs 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

NUDDING AND CEMENTING RECORD

Serial	Where sent	Where sent	Where sent	Where sent	Where sent
1	...	...	...	...	...
2	...	...	...	...	...
3	...	...	...	...	...
4	...	...	...	...	...
5	...	...	...	...	...
6	...	...	...	...	...
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FORMATION RECORD—Continued