Form 9-330

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

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER NM 033-A
LEASE OR PERMIT TO PROSPECT

RECEIVED
DEC 11 1962
OIL CON. COM.
DIST. 3

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED
U. S. GEOLOGICAL SURVEY
FARMINGTON, NEW MEXICO

LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company Mountain States Petroleum Corp. Address P. O. Box 1741 Farmington, N. M.
Lessor or Tract Bayless-Cynthia Field Wildcat State New Mexico
Well No. 1 Sec. 19 T. 26N R. 1E Meridian NMPM County Rio Arriba
Location 660 ft. {XXX S.} of N Line and 660 ft. {XX E. W.} of E Line of Sec. 19 Elevation 7347 (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 Jack A. Cole

Date December 3, 1962 Title Geologist

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

Commenced drilling 9-11-, 19 62 Finished drilling 11-8-, 19 62

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 4490 to 4540 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 3000 to 3150 KBV 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
9-5/8"				15					Surface
7"				3275					Intermediate
4-1/2"	9.5	8	CF&I	4288	Howco				Long string

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9-5/8"	15	75	Halliburton		
7"	3275	100	"		
4-1/2"	4288	100	"		

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 4850 feet, and from feet to feet
Cable tools were used from feet to feet, and from feet to feet

DATES

, 19 Put to producing December 1, 19 62

The production for the first 24 hours was 21 barrels of fluid of which 100% was oil; %
emulsion; % water; and % sediment. Gravity, °Bé. 39°

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
0	3000	3000	Shale
3000	3150	150	Sand and Shale
3150	4280	1130	Shale
4280	4600	320	Sandy shale

Electric Log Tops:

Lewis shale	Surface
Mesaverde	3000'
Mancos	3150'
Gallup	4280'

FOLD | MARK

16—48094-4

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.

Well spudded 9-11-62. Cemented 9-5/8" casing @ 150 feet with 75 sacks. WOC 12 hours. Drilled 8-3/4" hole with mud to 3300 feet. Lost circulation from 1541 feet to T. D. Drilled with Aeriated mud assist. Reached T. D. of 3300 feet, on 10-11-62. Ran 7" casing to 3275 and cemented with 100 sacks. Drilled 6-1/4" hole with air and chemicals to 4850 feet. Encountered free oil at 4330 feet. Could not gauge because of water flow above. Reached T. D. of 4850 feet on 10-27-62. Perforated 7" casing @ 450 feet. Squeezed with 50 sacks. Unable to shut off water. Ran 4-1/2" casing to 4288 feet. Cemented with 100 sacks. Ran temperature survey. Top cement @ 3800 feet.

Set sand plug from TD to 4600 feet. Frac treated Gallup section open hole from 4288-4600 feet with 1000 bbls. lease crude. Flowed back 700 bbls. load oil. Installed pump and ran 2" tubing to 4580 feet with perforations.@ 4530'. Pumped load oil.

Recovered new oil on December 1, 1962 @ initial rate of 21 barrels per day.