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

Form 9-330

SECTION 14

						.5	

LOCATE WELL CORRECTLY

INDIAN LAND

U. S. LAND OFFICE Mescrilla Tribal
SERIAL NUMBER Contr. #89, Tr. #176
LEASE OR PERMIT TO PROSPECT Mescrilla "B"

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED
OCT 13 1958
U. S. GEOLOGICAL SURVEY
FARMINGTON, NEW MEXICO

LOG OF OIL OR GAS WELL

Company Magnolia Petroleum Company Address Box 2406, Hobbs, New Mexico
Lessor or Tract Mescrilla "B" Field Blanco State New Mexico
Well No. 5 Sec. 14 T. 27N R. 3W Meridian N.M.P.M. County Rio Arriba
Location 1309.1 ft. [S.] of N Line and 1039.1 ft. [W.] of E Line of 14 Elevation 6927 (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 G. S. Young, Jr. G. S. Young, Jr.
Title District Superintendent

Date October 6, 1958

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

Commenced drilling 7-16, 1958 Finished drilling 8-4, 1958

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3715 to 3749 G
No. 2, from 5540 to 5998 G
No. 3, from to
No. 4, from to
No. 5, from to
No. 6, from to

ILLEGIBLE

RECEIVED OCT 20 1958 OIL CON. COM DIST. 3

WATER SANDS

No. 1
No. 2
No. 3, 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
10 3/4	32.75#	8rd	H-40	296					Surface
7 5/8	[illegible]	[illegible]	[illegible]	[illegible]					Intermediate
5	15#	8rd	J-55	6060	Baker		3715	5998	Prod. string

HISTORY OF OIL OR GAS WELL

If a multiple completion, give for each zone the record of the new work. Please state in detail the nature of important tests, such as those made to determine the presence of oil or gas, or to test the quality of any material found in the hole, or to shut off water or other fluids. If the well had been a producing oil or gas well, state when and how it was shut down, and the reason therefor. If it is a dry hole, state the reason why it was abandoned.

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4	308	240	Pump & plug		
7 5/8	3985	125	Pump & plug		
5	6060	225	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 6060 feet, and from feet to feet
Cable tools were used from feet to feet, and from feet to feet

DATES

October 3, 1958 Put to producing Shut in wait on connections, 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 See attachment 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
3212	3414	202	Ojo Alamo
3414	3660	246	Kirtland Fruitland
3660	3783	123	Pictured Cliffs
3783	5518	1735	Lewis
5518	5564	46	Cliff House
5564	5822	258	Menefee
5822	6001	179	Point Lookout
6001	6060	59	Mancos

PERFORATIONS

Perforated 3715-3735, 3741-3749, 5540-5546, 5880-5886, 5904-5909, 5927-5932, 5955-5960, 5992-5998 w/122 Jet shots.

POTENTIAL

Potential test completed October 3, 1958:
Mesa Verde Zone after shut in 425 hrs, TP 1331#. On 3 hrs test thru 3/4" choke, TP 257#, flowed 3221 MCF/day, calculated absolute open flow 3693 MCF/day.
Pictured Cliffs Zone after shut in 190 hrs, TP 717#, CP 914#, on 3 hr test thru 3/4" choke, TP 41#, CP 155#, flowed 617 MCF/day, calculated absolute open flow 633 MCF/day.

FROM— TO— TOTAL FEET FORMATION

[OVER]

16—43094-4

LOG ON REVERSE SIDE AT THE END OF COMPLETE DRILLER'S LOG, ADD GEOLOGIC TOPS, STATE WHETHER FROM SURFACE MEASUREMENTS

6-18-58 Location staked.
7-16-58 Commenced drilling operations (Spud Date).
7-16-58 Set 296' of 10 3/4" csg @ 308 cem w/240 sks neat circ. PD 5:30 PM. WOC 24 hrs.
7-17-58 Tested 10 3/4" csg w/800# 30 mins, no break.
7-18-58 Drill pipe stuck @ 1050'. Twisted off drill pipe @ 1180'.
7-19-58 Ran 22 jts 4½" drill pipe + 13-6 3/4" collars + 9-7/8" RB OS. Could not set on fish.
7-20-58 Ran OS, knuckle joint + wall hook, recovered fish in 9½ hrs.
7-28-58 Schlumberger ran Induction-Electrical log from 308' to 3113'.
7-28-58 Ran 3973' of 7 5/8" csg set on bottom @ 3985 cem w/125 sks. T/cement 3010'. Ran 5 centralizers (Larkin) @ 3967-3833-3714-3593-3470. Baker Metal Basket @ 3390'. WOC.
7-29-58 Jet well w/gas prep to drill out plug.
7-30-58 Tested 7 5/8" csg w/1000# 30 mins, held OK.
7-31-58 Pop 3 jts 7 5/8" csg come out w/RP 2 bit while pulling 6 3/4" rock bit. Ran 7 5/8" csg & screwed into csg in hole. Connection made up good.
8- 1-58 Tested 7 5/8" csg w/425#, csg leaked, made up 22 rounds tested OK.
8- 3-58 Formation distillate in hole. 46 on 3" decreased to 15# in 48 hrs @ 5638. 11676 MCF/day, 15 min SIP 500#.
8- 5-58 Schlumberger ran Gamma Ray-Neutron 6060' to 3000'.
8- 6-58 Ran 2252' of 5" liner cem @ 6060 w/200 sks 6% Gel + ¼# Flocsal per sk + 25 sks neat. PD 10:00 AM. T/liner @ 3808'.
8- 7-58 Tested 5" liner w/3000#, held 3000# for 3 mins & fell off. Ran FPBC tool. Tested top liner 3000# 30 mins held OK. Found casing leak 1347-1389.
8- 8-58 Cut 7 5/8" csg @ 1477'. Pulled 7 5/8" csg found 3' split in one joint.
8- 9-58 Ran mill to dress top of csg @ 1477' - ran 1465' of 7 5/8" csg w/Bowen csg bowl tied in @ 1477'. Pulled 1600# on slips, left 750# on slips in head. Ran 4½" to 3800' on 2". Tested 7 5/8" w/3000# 30 mins, OK.
8-10-58 Cleaned out in 5" liner 5450-6029 PBTD.
8-10-58 Ran 2" to 5965'.
8-10-58 Rig released @ 4:00 PM.
8-24-58 S.S. Reames moved on location.
8-25-58 Welex ran radioactivity log.
8-25-58 Welex perf 5" liner 5540-46, 5880-86, 5904-09, 5927-32, 5955-60, 5992-98 w/66 Jet shots.
8-25-58 Dowell sand water frac Mesaverde perf w/58,350 gals wtr + 50,000# 20-40 mesh sand + 500 gals 15% HCL.
8-27-58 Halliburton spotted 2000 gals 15% acid.
8-29-58 Halliburton sand wtr frac Mesa Verde perf w/44,000 gals wtr + 27,500# 20-40 mesh sand.
8-31-58 Welex perf 7 5/8" csg 3715-35, 3741-49 w/56 Dyna Jet shots.
8-31-58 Halliburton sand wtr frac Pictured Cliffs perf w/84,000 gals wtr + 42,000# 20-40 mesh sand.
9- 2-58 Ran 2" Mesaverde tbg to 5986', & ran 2" Pictured Cliffs tbg to 3742'.
9- 3-58 S.S. Reames rig released @ 1:30 AM.
9-15-58 Mesa Verde shut in for potential 4:00 PM.
9-25-58 Pictured Cliffs shut in for potential 11:00 AM.
10-3-58 Potential completed.

FOLD | MARK