

(SUBMIT IN TRIPPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Indian Agency Alvarilla Tribal

Contract # 39 Tract 100

Allottee _____

Lease No. Alvarilla "B"

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL _____	SUBSEQUENT REPORT OF WATER SHUT-OFF _____	☒
NOTICE OF INTENTION TO CHANGE PLANS _____	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING _____	☐
NOTICE OF INTENTION TO TEST WATER SHUT-OFF _____	SUBSEQUENT REPORT OF ALTERING CASING _____	☐
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL _____	SUBSEQUENT REPORT OF REDRILLING OR REPAIR _____	☐
NOTICE OF INTENTION TO SHOOT OR ACIDIZE _____	SUBSEQUENT REPORT OF ABANDONMENT _____	☐
NOTICE OF INTENTION TO PULL OR ALTER CASING _____	SUPPLEMENTARY WELL HISTORY _____	☐
NOTICE OF INTENTION TO ABANDON WELL _____		☐

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

October 24, 1957

Alvarilla "B"

Well No. 5 is located 990 ft. from N line and 990 ft. from E line of sec. 20

N4 Sec. and Sec. No. 24-N 3-N N.H.P.M.
(Twp.) (Range) (Meridian)
Placer Cienega Rio Arriba New Mexico
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 7233 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

After setting 2313' of 5 1/2" Liner on bottom at 6350' with 225 ex cement. Temp. Survey top of cement at 5440'. Cemented top of 5 1/2" Liner with 180 ex cement. Tested 5 1/2" Liner with 900 # for 30 minutes before and after drilling plug. Tested OK. No break.

ILLECIBLE



I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced

Company MONOLIA PETROLEUM COMPANY

Address P.O. BOX 633

MIDLAND, TEXAS

By Harve H. Mayfield
HARVE H. MAYFIELD
Title Asst. Division Superintendent



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Magnolia Petroleum Company Address P.O. Box 633 Midland, Texas
Lessor or Tract Jicarilla "B" Field Mesa Verde State New Mexico
Well No. 5 Sec 20 T26N R3-W Meridian N.M.P.M. County El Arriba
Location 920 ft. (S) of N Line and 990 ft. (E) of E Line of Sec. 20 Elevation 7279

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 [Signature]

Date November 19, 1957 Title R.T. GERMAN
Division Superintendent

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

Commenced drilling October 4, 1957 Finished drilling October 27 1957

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

No. 1, from 693 to 6214 ----- No. 4, from -----
No. 2, from 3945 to 3975 ----- No. 5, from -----
No. 3, from ----- to ----- No. 6, from -----

IMPORTANT WATER SANDS

No. 1, from _____ to _____ No. 3, from _____ to _____
No. 2, from _____ to _____ No. 4, from _____ to _____

CASING RECORD

[illegible]

MUDDING AND CEMENTING RECORD

	Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
MARK	10-3/4	309*	250	Pump & Lug	4.1	60,950 Lbs
	7-5/8	4200*	175	Pump & Lug		
	5-1/2	5300*	325	Pump & Lug		

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
60 mm	Mk 82	TNT	100 lbs	1970-01-15	100 ft	100 ft
60 mm	Mk 82	TNT	100 lbs	1970-01-15	100 ft	100 ft
60 mm	Mk 82	TNT	100 lbs	1970-01-15	100 ft	100 ft

TOOLS USED

Rotary tools were used from 0 feet to 536 feet, and from 0 feet to 0 feet.
Cable tools were used from 0 feet to 0 feet, and from 0 feet to 0 feet.

DATES

Well	Date	Time	Production	Grav.	Gas	Pressure
100	November 19,	1937	The production for the first 24 hours was 0 barrels of fluid of 0% water; and 0% sediment.	0	0	4.98 MP
101	November 12,	1937	Potential oil 0% and gas 0%.	0	0	No test

EMPLOYEES

_____, Driller _____, Driller
 _____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	TOPS FORMATION
3484	3650	166	Ojo Alamo
3650	3733	283	Siltland-Fruitland
3733	3998	65	Pictured Cliffs
3998	5620	1622	Lewis
5620	5722	102	Cliff House
5722	6080	358	Menefee
6080	6237	157	Point Lookout
6237	6360	123	Mancos

SUMMARY

10-4-57 Spudded
10-7-57 Set 10-3/4" Casing on bottom @ 309' with 250 sx. WOC 24 hrs.
10-11-57 Coring from Pictured Cliffs from 3940'.
10-14-57 WOC 7-5/8" casing on bottom with 175 sx. Cored 3940-4000' fair show of gas.
10-15-57 Drilled plugs in 7-5/8" Casing.
10-18-57 Cored 5610-57', had show water 5610-29'. Show of gas throughout.
10-21-57 WOC on 2313' of 5 1/2" liner, top of liner @ 4037'. Cemented with 175 sx. Top cement @ 5640'. Perf. 5 1/2" liner @ 5610'. Cemented with 100 sx. Press. 2000%. Ran WOC tool @ 3926'. Prep. to squeeze top of liner.
10-22-57 Corrected Total Depth - 6360'. Corrected liner should have been 2323' of 5 1/2" liner. At attempt to squeeze on top of liner, failed. Re-Squeezed top of liner with 75 sx. Max. Press. 3000%. WOC on squeeze.
10-24-57 Drilled plugs in 5 1/2" liner to 6327' BTBD. Ran logs.
10-25-57 Perf. 5 1/2" liner in Mesa Verde 6093-6136', 6141-58', 6160-80', 6188-99', 6202-08', 6214-20' with 6 JSFP. Prep. to sandwater frac with 95,000 Gals.

LEON-	LO-	LOL	EL	(OVER)	LOBNYLION	16-43084
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10-28-58 Sandwaterfrac 6 sets Mesa Verde perf. with 95,000 Gals. Press. 2900#. Used 400 balls. Jetted 800 BLW in 19 hrs. @ 3150. From 6 sets Mesa Verde Perf. Jetted 150 BLW 15 hrs. @ 4035'. Gas vol. 913 MCF per day. Killed well. Perf. 7-5/8" Casing 3945-49' & 3975-97'. Set BP @ 4038'. Sandwaterfrac with 26,000 Gals. Broke formation at 800#. Max. CP-1200#. Used 150 Rubber balls. Jetted 500 BLW 16 hrs. @ 4035'. Gas vol 870 MCF per day. Prep. to run dual tbq strings.

10-29-57 Pulled Bridge Plug at 4038'. Set Model D Baker Prod. Pkr at 6050'. Ran Mesa Verde Tubing & 4 Gas Lift Valves. Ran Pictured Cliffs Tubing. Rig released 2 A.M. 10-29-57.

10-31-57 Waiting on Oil to break tubing Disc.

11-4-57 Flow by Gas Lift from both zones 100 BLW in 24 hrs. Shut in for Potential.

11-13-57 Potential test. from 6 sets Mesa Verde perf. after 8 days shut in TP-1181#. Flowed 3 hrs. on 48/64" ch. Flowing TP-193#. Gas at rate of 2426 MCF per day Calculated absolute open flow 2680 MCF Gas per day. From 2 sets Pictured Cliffs perf. after 8 days shut in TP- & CP-984#. Flowed 3 hrs on 48/64" chk. Flowing TP-126#. Flowing CP-340#. Gas at rate of 1655 MCF per day. Calculated absolute open flow 1818 MCF per day. Completed 10-27-57.

