

MAGNOLIA PETROLEUM COMPANY

P. O. Box 2406, Hobbs, New Mexico
November 21, 1957

New Mexico Oil Conservation Commission
P. O. Box 871
Santa Fe, New Mexico

Attention: Mr. A. L. Porter, Jr., Secretary - Director

Ref: Jicarilla "B" #4
Sec. 11, T-27N, R-3W
Blanco Field
Rio Arriba County, New Mexico

Gentlemen:

Please be advised that we have completed the subject round well as a gas-gas dual completion. Well was completed October 20, 1957.

Attached herewith and in connection with such dual completion, please find schematic diagram showing how the well was equipped and how such well was completed.

Northwest Production Company is off-set operator to the north of this well and has been notified accordingly of such completion effective this date.

Please accept this as our application for administrative approval.

Yours very truly,

Original Signed by
W. C. Dougherty

W. C. Dougherty
District Superintendent



WD:cos

cc: New Mexico Oil Conservation Commission (Mr. Arnold)

Northwest Production Company, Albuquerque, New Mexico

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Blanco-Mesaverde Formation Mesaverde County Rio Arriba
Initial X Annual _____ Special _____ Date of Test 11/7/57
Company Magnolia Petroleum Company Lease Jicarilla "E" Well No. 4 M.V. 1T
Unit M Sec. 11 Twp. 27N Rge. 3W Purchaser Pacific Northwest
Casing 5 1/2" Wt. 14# I.D. 5.012 Set at 6110 Perf. 5577 To 6034
Tubing 2 3/8" Wt. 4.7# I.D. 1.995 Set at 5577 Perf. - To -
Gas Pay: From 5,577' To 6,034' L 5577 xG 0.68(est) -GL 3792 Bar. Press. 12 psia
Producing Thru: Casing _____ Tubing X Type Well G. G. Dual
Single-Bradenhead-G. G. or G.O. Dual
Date of Completion: 10/21/57 Packer yes Reservoir Temp. -

OBSERVED DATA

Tested Through (Pressure) (Choke) (Restrictor) Type Taps -

No.	Flow Data					Tubing Data		Casing Data		Duration of Flow Hr.
	(Restrictor) (Line) Size	(Choke) (Restrictor) Size	Press. psig	Diff. h _w	Temp. °F.	Press. psig	Temp. °F.	Press. psig	Temp. °F.	
SI										
1.	2"	0.750"	271	-	66	1638 271	- 66	- -	- -	3 hrs.
2.										
3.										
4.										
5.										

FLOW CALCULATIONS

No.	Coefficient (24-Hour)	$\sqrt{h_{wPF}}$	Pressure psia	Flow Temp. Factor F _t	Gravity Factor F _g	Compress. Factor F _{pv}	Rate of Flow Q-MCFPD @ 15.025 psia
1.	12.3650	-	283	.9943	.9393	1.030	3,366
2.							
3.							
4.							
5.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio _____ cf/bbl.
Gravity of Liquid Hydrocarbons _____ deg.
P_c 9.402 (1-e^{-s}) .241
Specific Gravity Separator Gas _____
Specific Gravity Flowing Fluid 0.68(est)
P_c 1,650 P_c 2,722.5

No.	P_w P _t (psia)	P _t ²	F _c Q	(F _c Q) ²	(F _c Q) ² (1-e ^{-s})	P _w ²	P _c ² -P _w ²	Cal. P _w	P _w / P _c
1.	283	80.1	31.6	998.6	240.7	320.8	2401.7		
2.									
3.									
4.									
5.									

Absolute Potential: 3,699 MCFPD; n 0.75COMPANY MAGNOLIA PETROLEUM COMPANYADDRESS BOX 2406, BOBBS, NEW MEXICOAGENT and TITLE James W. Ruff, Gas Engineer

WITNESSED _____

COMPANY _____

REMARKS

