

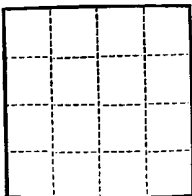
(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office _____

Lease No. _____

Unit _____



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 RE-DRILL OR REPAIR WELL		SUBSEQUENT REPORT OF RE-DRILLING 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)

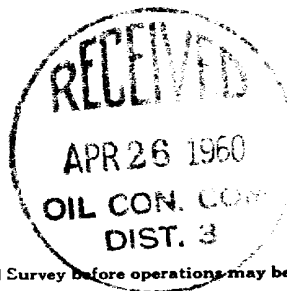
Well No. 1-27 is located 1000 ft. from N line and 50 ft. from E line of sec. 37
27 (4 Sec. and Sec. No.) 27 (Twp.) 61 (Range) 11 (Meridian)
1 (Field) 10 (County or Subdivision) 11 (State or Territory)

The elevation of the derrick floor above sea level is 6772 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)

To perforate the above formations from 3500 to 3700 and 3800 to 4000 feet. To perforate the above formations from 7150 to 7200 feet as both are oil bearing and to perforate the upper part of the formation and attempt to convert it to a commercial well.



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

Company 107 (Total)

Address 724 (Total)

107 (Total)

By Jay J. Harris

Title Chief Engineer

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Revised 12-1-55

Pool Wildcat Formation DAKOTA County Rio Arriba
Initial X Annual _____ Special _____ Date of Test 5-6-60
Company KAR Kimbell Lease Federal Well No. 1-27
Unit I Sec. 27 Twp. 25N Rge. 6W Purchaser EL PASO NATURAL GAS CO
Casing 5 1/2 Wt. 15.5 I.D. 5.000 Set at 7092 Perf. 6978 To 7034
Tubing 2 3/8 Wt. 4.7 I.D. 2.000 Set at 7024 Perf. OPEN ENDED To _____
Gas Pay: From 6978 To 7034 L _____ xG _____ -GL _____ Bar. Press. _____
Producing Thru: Casing _____ Tubing X Type Well Single Gas
Date of Completion: 5-6-60 Packer _____ Single-Bradenhead-G. G. or G.O. Dual
Reservoir Temp. _____

OBSERVED DATA

Tested Through (Prover) (Choke) (Meter)

Type Taps _____

No.	Flow Data					Tubing Data		Casing Data		Duration of Flow Hr.
	(Prover) (Line) Size	(Choke) (Orifice) Size	Press. psig	Diff. h _w	Temp. °F.	Press. psig	Temp. °F.	Press. psig	Temp. °F.	
SI										
1.		.750	83		58	2034		2042		72 HRS
2.						83		402		3 HRS
3.										
4.										
5.										

FLOW CALCULATIONS

No.	Coefficient (24-Hour)	$\sqrt{h_w p_f}$	Pressure psia	Flow Temp. Factor F _t	Gravity Factor F _g	Compress. Factor F _{pv}	Rate of Flow Q-MCFPD @ 15.025 psia
1.	12.365		95	1.0019	1.008	1.006	1193
2.							
3.							
4.							
5.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio _____ cf/bbl.
Gravity of Liquid Hydrocarbons _____ deg.
P_c _____ (1-e^{-s})

Specific Gravity Separator Gas _____
Specific Gravity Flowing Fluid _____
P_c 2054 P_c 4218.916

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.									
2.						171,396	4047520		
3.									
4.									
5.									

Absolute Potential: 1236 MCFPD; n .75

COMPANY Well Production Company
ADDRESS N.A. NEELY, OWNER
AGENT and TITLE 1041 ZUNI DRIVE
WITNESSED FARMINGTON, NEW MEXICO
COMPANY _____

REMARKS

(1.0423)^{.75} = 1.0358

