

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section.

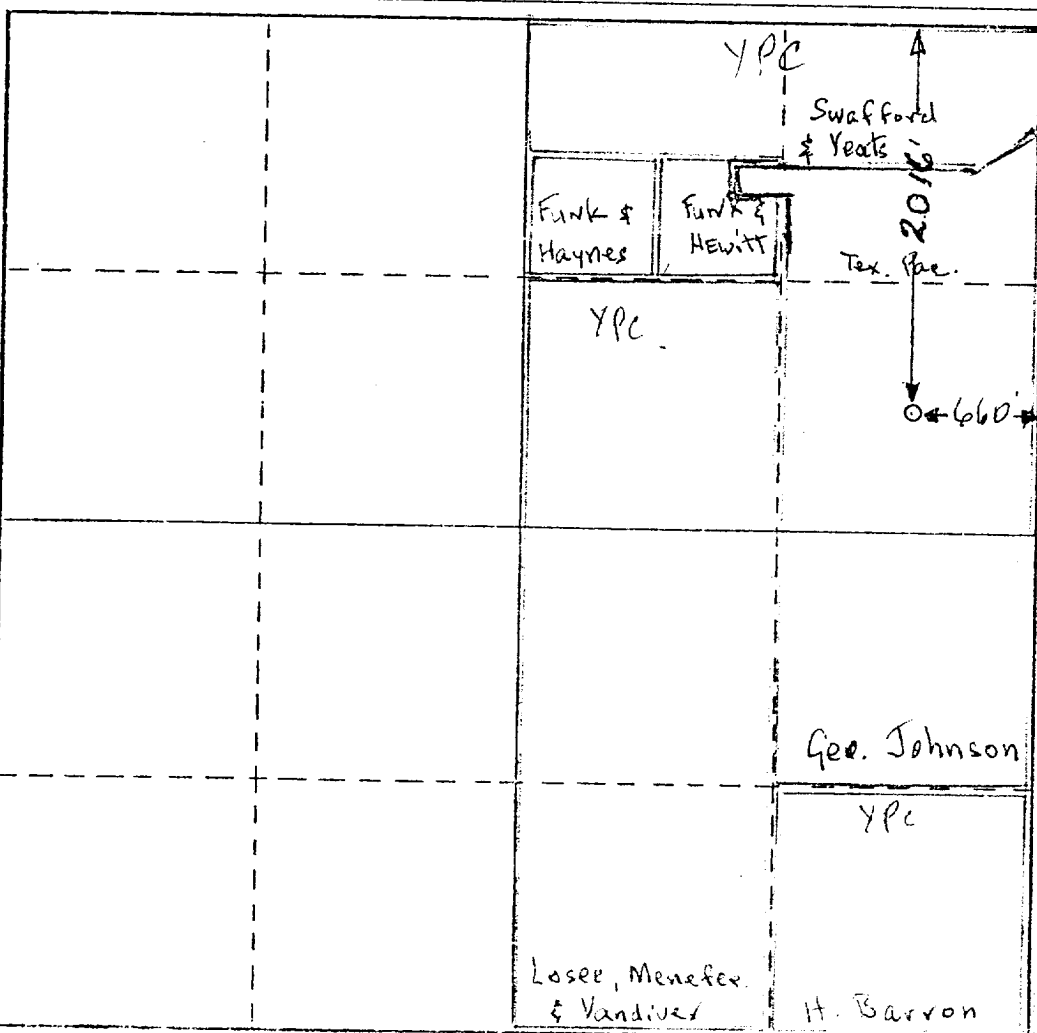
Operator Yates Petroleum Corp		Lease Johnson JT Com		Well No. 1	
Unit Letter H	Section 28	Township 17S	Range 26E	County Eddy	
Actual Postage Location of Well: 2016 feet from the North line and 660 feet from the East line					
Ground Level Elev.	Producing Formation Cisco - Canyon		Pool Wildcat Upper Penn		Dedicated Acreage: 320 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☒ Yes ☐ No If answer is "yes," type of consolidation Communitization

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Eddie M. Mahfood

Name
EDDIE M. MAHFOOD

Position
ENGINEER

Company
YATES PETROLEUM CORP

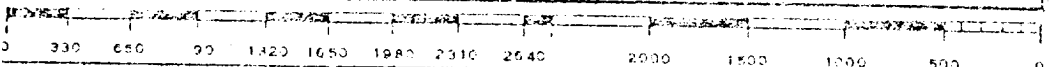
Date
9-20-79

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
Refer to Orig. Plat

Registered Professional Engineer and/or Land Surveyor

Certificate No.





LTR



Job separation sheet

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
 Revised 9-1-65

1.67
 1-7 file
 1-5-122

RECEIVED

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 1-24-79		MAR 27 1979	
Company Yates Petroleum Corp.				Connection Transwestern Pipeline Co.					
Pool Kennedy Farms Morrow				Formation Morrow		Unit O.C.C. ARTESIA, NEW MEX.			
Completion Date 9-13-78		Total Depth 8732' KB		Plug Back TD 8635' KB		Elevation 3365' KB		Farm or Lease Name Johnson "JT" Com	
Csg. Size 4-1/2"	Wt. 17#	d 4.000	Set At 8658' KB	Perforations: From 8496 To 8529'		Well No. 1			
Tbg. Size 2-3/8"	Wt. 4.7#	d 1.995	Set At 8439' KB	Perforations: From _____ To _____		Unit Sec. Twp. Rge. H 28 17S 26E			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At 8439' KB		County Eddy			
Producing Thru Tubing		Reservoir Temp. °F 141 @ 8512'		Mean Annual Temp. °F 62		Baro. Press. - P _a 13.2		State New Mexico	
L 8505	H 8505	Gg 0.618	% CO ₂ 0.32	% N ₂ 0.33	% H ₂ S Nil	Prover 2"	Meter Run Flange	Taps	

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
SI							2560	35			Weeks
1.	2.067 x 1.125			180	8	70	2434	44			1 hour
2.				180	18	70	2295	53			1 hour
3.				181	37	70	2003	61			1 hour
4.				182	63	70	1546	69			1 hour
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1.	6.393	39.31	193.2	.9905	1.272	1.017	332
2.	6.393	58.97	193.2	.9905	1.272	1.017	483
3.	6.393	84.77	194.2	.9905	1.272	1.017	694
4.	6.393	110.89	195.2	.9905	1.272	1.017	909
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.	.288	530	1.456	.9668	A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.	.288	530	1.456	.9668	Specific Gravity Separator Gas .618 X X X X X X X X
3.	.289	530	1.456	.9667	Specific Gravity Flowing Fluid X X X X X
4.	.291	530	1.456	.9665	Critical Pressure 671 P.S.I.A. P.S.I.A.
5.					Critical Temperature 364 R R

P _c 3234.2 P _c ² 10460				
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1			9435	1025
2			8367	2093
3			6364	4096
4			3759	6701
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.5610$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.2753$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1159$

Absolute Open Flow	1159 Mcfd @ 15.025	Angle of Slope θ	61.37 deg	Slope, n	0.546
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Remarks: All pressures by dead weight testers. Calculations worksheet C-122D attached.

Approved By Commission:	Conducted By: Bob Doggett	Calculated By: Eddie Mahfood	Checked By:
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