

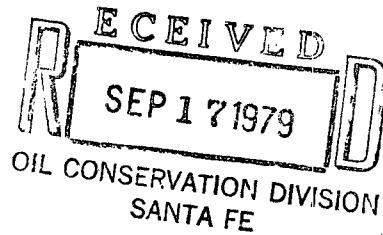
Shell Oil Company



SEP 14 1979

P.O. Box 991
Houston, Texas 77001

New Mexico Oil Conservation Commission
P. O. Box 2088
Santa Fe, New Mexico 87501



Dear Sir:

SUBJECT: APPLICATION FOR DOWNHOLE
COMMINGLE, SHELL SMITH WELL NO. 2,
UNIT LETTER B, LOCATED
660' FNL AND 1980' FEL
SECTION 4, T21S, R37E,
LEA COUNTY, NEW MEXICO

DHC # 301
DHC - 10/8/79

Shell Oil Company respectfully requests administrative approval under the provisions of Rule 303-C to commingle within the wellbore production from the Drinkard and Brinebry pools in Shell Smith Well No. 2, located 660' FNL and 1980' FEL, Unit Letter B of Section 4, T21S, R37E, Lea County, New Mexico.

The subject well is currently being produced dually. The two zones are being commingled at the battery by New Mexico Oil Conservation Commission Order No. PC-167.

Both the Drinkard and Brinebry are in a steady state of decline. When downhole commingling is approved, we propose to install artificial lift to more economically and efficiently produce both zones.

A copy of this letter has been sent to all offset operators by certified mail to serve as proper notification.

Yours truly,

For R. L. Easterwood
Production Administration Manager,
Mid-Continent Division

SH:LN

RL LBO 67% 128 mcf 60%
Dr 3 33 31 20
9 159

Getty Oil Co., P. O. Box 1231, Midland, TX 79701

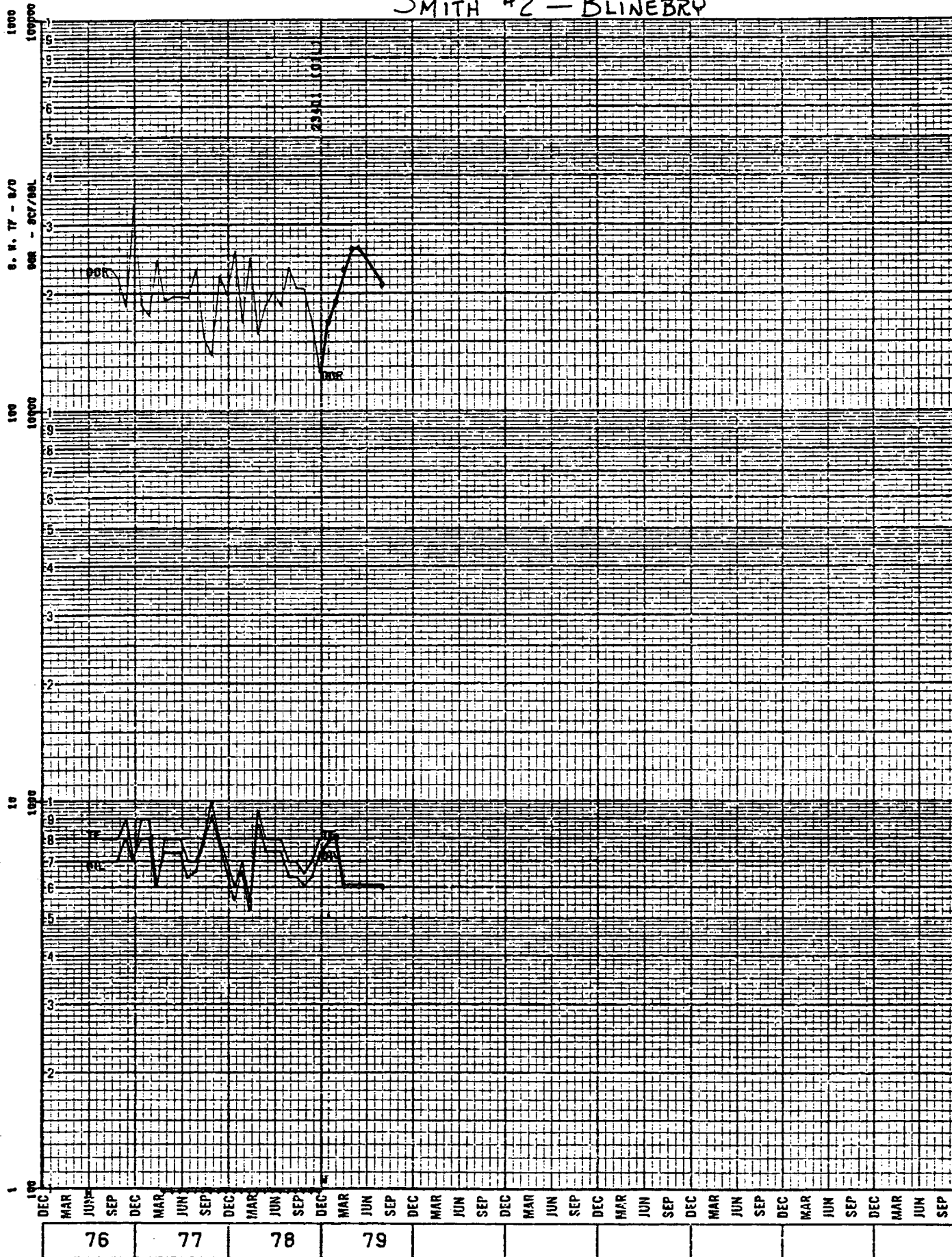
Atlantic Richfield Co., P. O. Box 1610, Midland, TX 79701

Acoma Oil Corp., 812 Continental Life Bldg., Ft. Worth, TX 76102

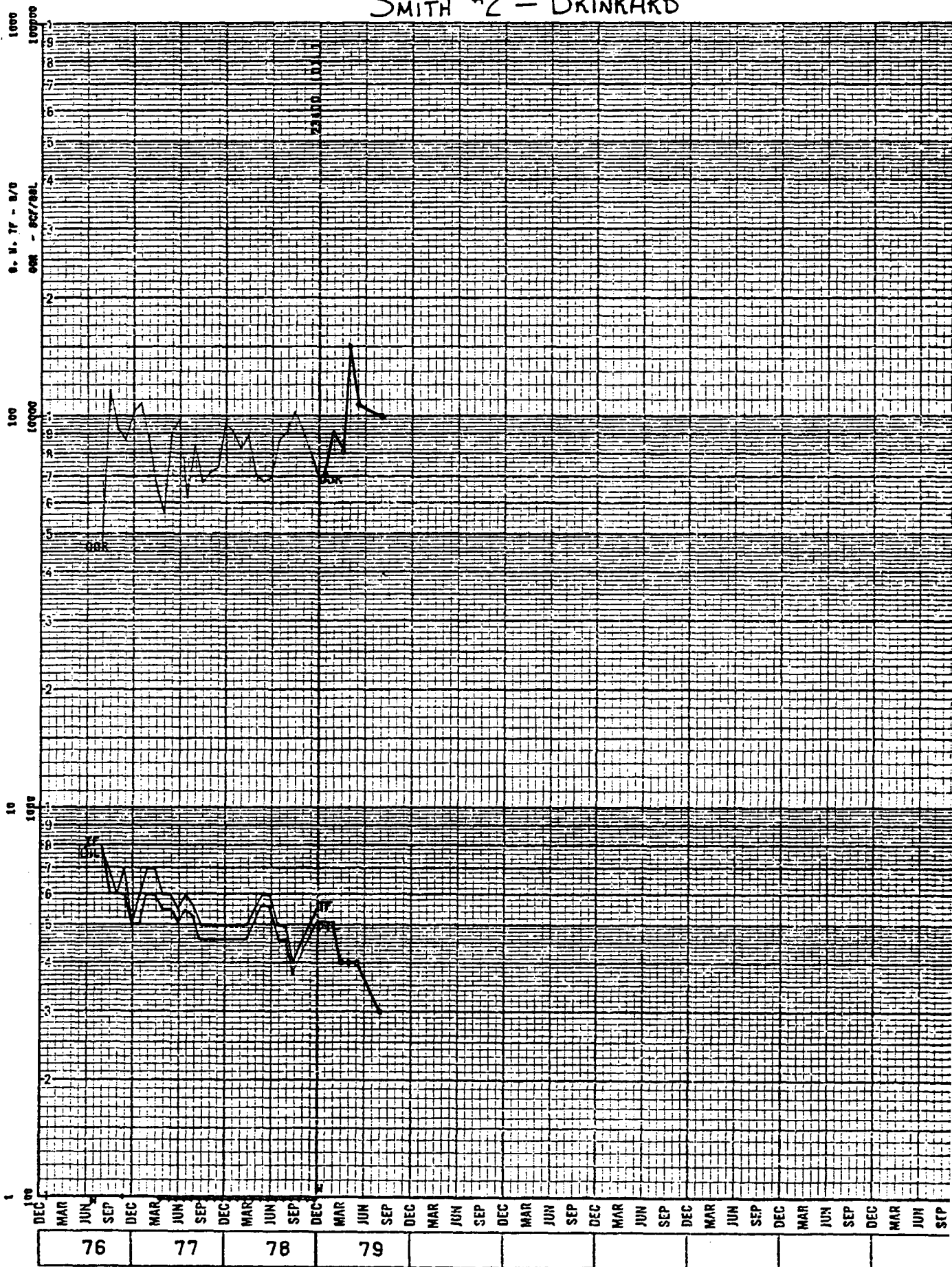
Continental Oil Co., P. O. Box 460, Hobbs, NM 88240

Gulf Oil Co. - U.S., P. O. Box 1150, Midland, TX 79701

SMITH #2 - BLINEBRY

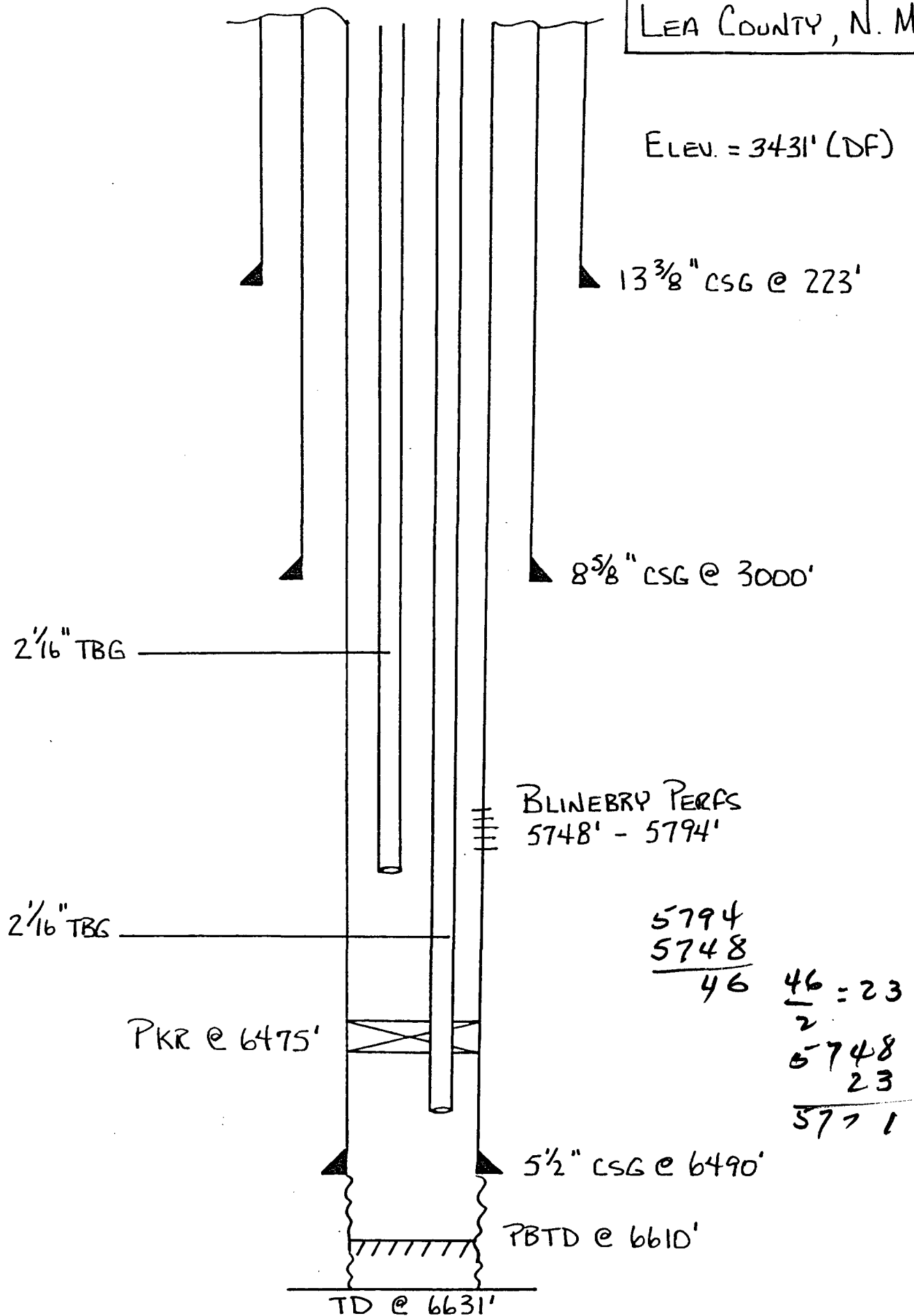


SMITH #2 - DRINKARD



U.S.

SMITH No. 2
 DRINKARD FIELD
 LEA COUNTY, N. MEX.



Depth D	Time	Press., P, psig	ΔP	Static Test		
				ΔD	Gradient	
0	49.75	757.3				
6363	↓	905.2	147.9	6363	.023	
6463		911.0	5.8	100	.058	
* BHP projected to datum			w/ .058 psi/ft.			
Time	Press. @ _____ ft	Build-up test		Tubing Press.	Casing Press.	Height of Fluid
		Δt hrs	$\frac{t}{\Delta t} + 1$			
No buildup taken						

Depth D	Time	Press., P, psig	ΔP	Static Test		
				ΔD	Gradient	
0	49	149.6				
4973	↓	259.0	109.4	4973	.0219	
5073		293.3	34.3	100	.343	
*BHP projected to datum w/. 343 psi/ft.						
Time	Press. @ _____ft	Build-up test		Tubing Press.	Casing Press.	Height of Fluid
		Δt hrs	$\frac{t}{\Delta t} + 1$			
No buildup taken						

NEW MEXICO OIL CONSERVATION COMMISSION
GAS-OIL RATIO TESTS Down Hole Commingle Permission
C-116
Revised 1-1-65

Operator		Pool		County											
Shell Oil Company		Blinebry - Drinkard		Lea											
Address		P. O. Box 576, Houston, TX 77001		Type of Test - (X)											
				Scheduled ☐ Special ☒											
LEASE NAME	WELL NO.	LOCATION				DATE OF TEST	CHOKE SIZE	TBG. PRESS.	DAILY ALLOW-ABLE	LENGTH OF TEST HOURS	PROD. DURING TEST			GAS - OIL RATIO CU.FT./BBL	
		U	S	T	R						WATER BBL'S	GRAV. OIL BBL'S	GAS M.C.F.		
Smith (Blinebry)	2	B	4	21	37	08-02-79	F 48/64	60		24	0	36.0	6	128	21,333
Smith (Drinkard)	2	B	4	21	37	08-03-79	F 40/64	50		24	0	38.9	3	31	10,333

No well will be assigned an allowable greater than the amount of oil produced on the official test.
During gas-oil ratio test, each well shall be produced at a rate not exceeding the top unit allowable for the pool in which well is located by more than 25 percent. Operator is encouraged to take advantage of this 25 percent tolerance in order that well can be assigned increased allowables when authorized by the Commission.
Gas volumes must be reported in MCF measured at a pressure base of 15.025 psia and a temperature of 60° F. Specific gravity base will be 0.60.
Report casing pressure in lieu of tubing pressure for any well producing through casing.
Well original and one copy of this report to the district office of the New Mexico Oil Conservation Commission in accordance with Rule 301 and appropriate pool rules.

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

A. Ramirez
(Signature)
A. Ramirez
Supervisor Oil Accounting

08-78-79

(Title)