

NEW MEXICO  
OIL CONSERVATION COMMISSION  
Back Pressure Data Sheet

Form C-122

Hobbs

Pool: Emmet Date: April 23, 1956

Company: Sun Oil Company Lease: W. W. Westberry Well No. 1

County: Lea Sec. 17 Twp. 21-S Rge. 37-E Loc. 660' South, 661' from West Line

6.336 ID casing set @ 3093 ; 2.441 ID tubing 2.875 OD tubing set @ 3720

Pay zone from 3522 to 3560 ; Separator gas gr. .665 Barometer rdg. 13.3

Reservoir temperature 95 ° Produced through: csg. X tbg. Per.

Average gas/liquid ratio during test: - Cu. ft. /bbl. gravity of liquid No Liquid ° API

Size of meter run or prover: Three inch well tester

OBSERVED DATA

Wellhead shut-in pressure,  $P_w$  Casing 675 Tubing - PSIA

Run No.	Orifice Size	Orifice x Line	Meter Pressures		Coefficient C Flg. tap Pipe tap 3" well test	Wellhead Pr.		Flowing Temp.	
			Static $P_m$ Abs.	Diff. $h_w$		Casing $P_{wc}$ Abs.	Tubing $P_{wc}$ Abs.	Meter	Wellhead
1	1.250	1.25x3	5	-	304.5	660	Per.	60	70
2	1.250	1.25x3	21	-	674.9	640	Per.	60	70
3	2.000	2.00x3	9	-	1226	615	Per.	60	70
4	2.000	2.00x3	18	-	1811	575	Per.	60	70
5	2.000	2.00x3	28	-	2362	515	Per.	60	70

DATA FOR PLOTTING CURVE

Run No.	Delivery Rate in MCF per 24 hours (Q)	$P_f^2 - P_s^2$ (thousands)
1	317	30
2	697	60
3	1267	98
4	1861	156
5	2410	235

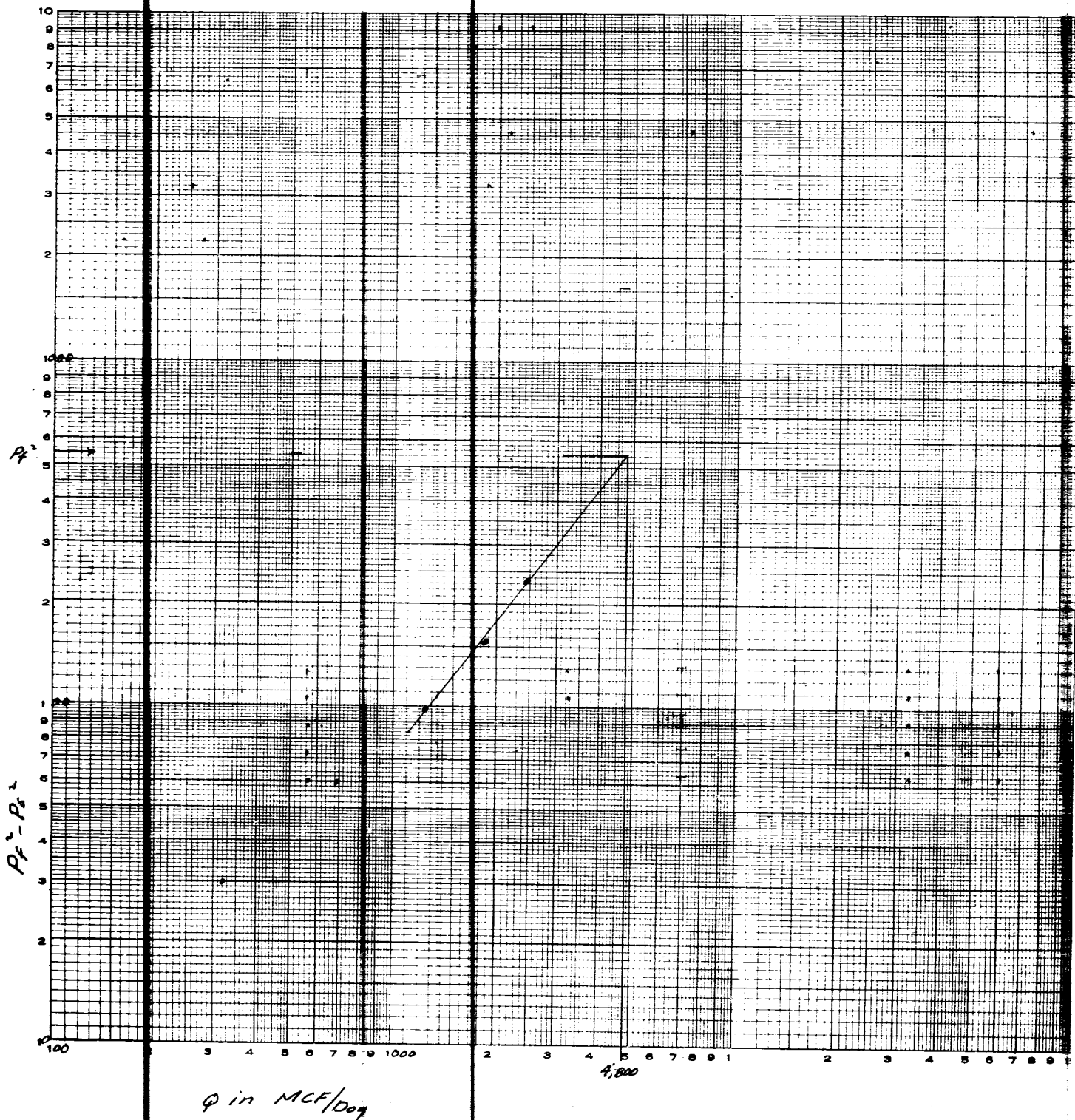
Absolute Open Flow 4,800 MCF

CERTIFICATION: I hereby swear or affirm that, to the best of my knowledge, the information given above is true and correct.

Name: Donald E. Lawrence Position: Engineer

Company: SUN OIL COMPANY Address: Box 2792, Odessa, Texas

Please plot curve on back





**LTR**



**Job separation sheet**



## NEW MEXICO OIL CONSERVATION COMMISSION

## MISCELLANEOUS REPORTS ON WELLS

(Submit to appropriate District Office as per Commission Rule 1306)

COMPANY

Sun Oil Company, Box 2792, Odessa, Texas

(Address)

LEASE W. W. Weatherly WELL NO. 1 UNIT S ec. 17 T 21-s R 37-E  
 DATE WORK PERFORMED 4-20-56 POOL Eumont Gas and Penrose Skelly

This is a Report of: (Check appropriate block) ☐ Results of Test of Casing Shut-off  
☐ Beginning Drilling Operations ☒ Remedial Work  
☐ Plugging ☒ Other Dual Queens

Detailed account of work done, nature and quantity of materials used and results obtained.  
 Cleaned out to total depth, ran 866' of 5 1/2" liner, cemented w/600 sacks neat cement.  
 Tested liner o.k. Perforate drill zone 3740 to 3780 w/4 JSFF, treated w/10,000 gals. frac  
 oil with 1/2# sd/gal. Perf. gas sand 3522-60 w/4 JSFF. Washed perforations w/500 gals.  
 mud acid. Treated with 5000 gal. sand oil, w/2# sd/gal. Set 2" EUE SR x 5 1/2" 15,50#  
 Brown DBL-4 Packer complete w/top safety joint and plug retrieving socket @ 3718 to  
 separate the Eumont Gas and Penrose Skelly Pools. We also ran a Camco K.E.V. valve on  
 2 1/2" tubing and set @ 3619.

## FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY

Original Well Data:

DF Elev. 3484 TD 3815 PBD - Prod. Int. - Compl Date 5-14-36  
 Tbnng. Dia 2 1/2" Tbnng Depth 3815 Oil String Dia 7" Oil String Depth 3093  
 Perf Interval (s) OH 3093 to 3815, Form. pkr @ 3565.

Open Hole Interval - Producing Formation (s) Grayburg

## RESULTS OF WORKOVER:

	BEFORE	AFTER
Date of Test	<u>11-29-55</u>	<u>4-24-56 oil</u> <u>4-20-56 gas</u>
Oil Production, bbls. per day	<u>8.28</u>	<u>102.12</u>
Gas Production, Mcf per day	<u>139.7</u>	<u>177.18</u>
Water Production, bbls. per day	<u>none</u>	<u>90.00</u>
Gas-Oil Ratio, cu. ft. per bbl.	<u>16,871</u>	<u>1,735</u>
Gas Well Potential, Mcf per day <u>Recomp. Queens</u>	<u>none</u>	<u>4,800</u>

Witnessed by Donald K. Lawrence

Sun Oil Company

(Company)

## OIL CONSERVATION COMMISSION

Name R. L. Montgomery  
 Title PRODUCTION MANAGER  
 Date May 4 1956

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

Name D. S. Albright  
 Position Superintendent  
 Company Sun Oil Company

