

Release September 20, 1984



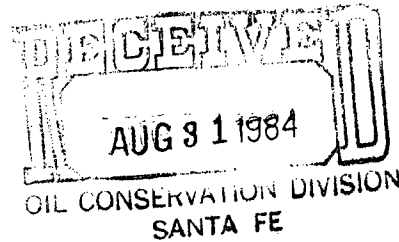
Getty Oil Company | P.O. Box 730, Hobbs, New Mexico 88240

(505) 397-3571

Central Exploration and Production Division

August 15, 1984

Energy and Minerals Department
Oil Conservation Division
P.O. Box 2088
Santa Fe, New Mexico 87501



ATTN: MR. JOE D. RAMEY

RE: APPLICATION FOR STATEWIDE RULE NO.
303-C, DOWNHOLE COMMINGLE PRODUCTION
BLINEBRY-TUBB-DRINKARD AND ELLENBURGER
A.B. COATES "C" NO. 18 UNIT I, SECTION
24, T-25S, R-37E, Lea County, N.M.

Gentlemen:

Getty Oil Company respectfully requests administrative approval to downhole commingle Blinebry-Tubb-Drinkard and the Ellenburger production in A.B. Coates "C" No. 18 which is located 990' FEL and 1980' FSL, Unit I, Section 24, T-25S, R-37E, in Lea County, New Mexico.

The Justis-Blinebry-Tubb-Drinkard, which is perforated 5300-5912', last tested on 7/25/84, 15.7 BO, 15.3 BW and 303 MCF, in 24 hours. The Justis Ellenburger Zone, which is perforated 7680-7694', last tested on 6/27/84, 17.5 BO, 58 BW and 16 MCF in 24 hours.

The following facts are submitted in support of the above request which is an extension of Statewide Rule 303, Paragraph "C":

1. Both zones are classified as oil zones and require artificial lift.
2. The Blinebry and Tubb-Drinkard were downhole commingled on February 25, 1976 by order No. DHC-187.
3. Total production from both zones is expected to be less than the 50 BOPD which is the maximum allowable for this depth bracket.
4. Sufficient artificial lift equipment exist on the well to lift the commingled production.
5. The fluids from each zone are compatible with fluids from each other. The zones are multiply completed in various combinations in this and other wells on the lease and no fluid incompatibly between the fluids has been found.

PAGE TWO
APPLICATION FOR STATEWIDE RULE NO. 303-C
A.B. COATES "C" NO. 18

6. The commingling will reduce the current economic limit approximately 650 BOPY. Thus additional reserves will be produced over the life of the wellbore.
7. Ownership of both zones is common, including working and royalty interest.
8. Commingling will not jeopardize future Secondary Recovery Operations, as no secondary operations are being conducted at the present time.
9. Attached are decline curves for each of the zones, along with current productivity tests (C-116) for the Tubb-Drinkard, Blinebry and Ellenburger zones.
10. The BHP of the zones are low. The Ellenburger BHP is estimated at 575 psia, corrected for common datum of 5871', and the Blinebry and Tubb-Drinkard BHP is estimated at 315 psia. (See Exhibit No. 1)
11. The produced water from these and all other zones on the lease is handled through one system. There have been no incompatibility problems. The zones have been in communication when these and other wells were pulled and no detrimental effects have ever been found on this eight multi-zone lease.
12. The Ellenburger oil will be reduced in price 29.4 cents per barrel or \$5.15 daily. This is insignificant when compared with the additional reserves that will be recovered due to commingling.
13. The recommended oil and gas allotment would be as follows:

	<u>Justis Blinebry</u>	<u>Justis Tubb-Drinkard</u>	<u>Justis Ellenburger</u>
OIL	33%	14%	53%
GAS	84%	11%	5%

14. All offset operators and the Bureau of Land Management have been furnished with copies of this request.

Certain economic considerations make the request for downhole commingling the only viable solution to recover the remaining Fusselman reserves. The DHC will ultimately reduce the excessive corrosion problems encountered in dual completions and thus reduce the operating expense.

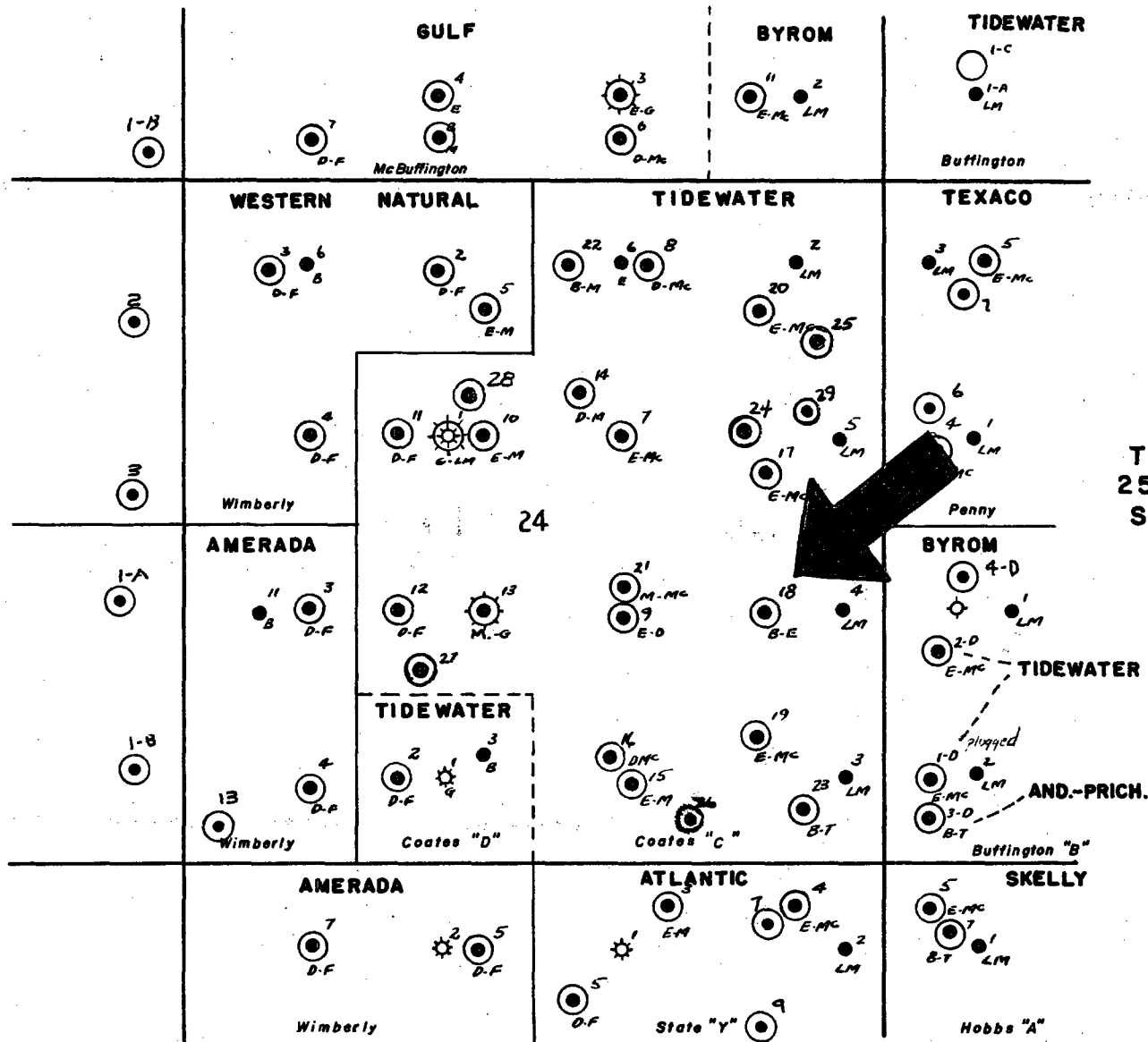
Very truly yours,

GETTY OIL COMPANY


Dale R. Crockett
Area Supertintendent

JIM/cb
Enc.

R 37 E



P - PADDOCK	4900'	○
B - BLINEBRY	5300'	○
D - DRINKARD	5900'	○
T - TUBB	5700'	○
F - FUSSELMAN	6800'	○
M - MONTOKA	6900'	○
Mc-McKEE	7300'	○
E - ELLENBURGER	8100'	○
LM - LANGLIE MATTIX	3300'	○
G - GLORIETA	4900'	○

LEA COUNTY
NEW MEXICO

COPIES TO:

U. S. Geological Survey
Carlsbad Resource Area
P. O. Box 1778
Carlsbad, New Mexico 88220

✓ Texaco, Inc.
P. O. Box 728
Hobbs, New Mexico 88240

✓ Amerada-Hess
Drawer "D"
Monument, New Mexico 88265

Union of Texas
1300 Wilco Building
Midland, Texas 79701

✓ Atlantic Richfield
P. O. Box 1710
Hobbs, New Mexico 88240

✓ Gulf Oil Company
P. O. Box 670
Hobbs, New Mexico 88240

✓ W. K. Byrom
P. O. Box 147
Hobbs, New Mexico 88240

The above received one complete copy of the downhole commingling request.

A.B. COATES "C" NO. 18
 DUAL ELLENBURGER
 BLINEBRY TUBB &
 DRINKARD
 (KB IS 14.7' ABOVE GL)

PRESENT

PROPOSED

Both strings 2 3/8" tbg.

Propose to set single tbg.
 string @ $\pm$ 7600'

Blinebry 5300-5430'

Tubb Drinkard 5830-5912'

Shallow tbg. 2 3/8" set @ 5950'

Baker locset @ 6115'

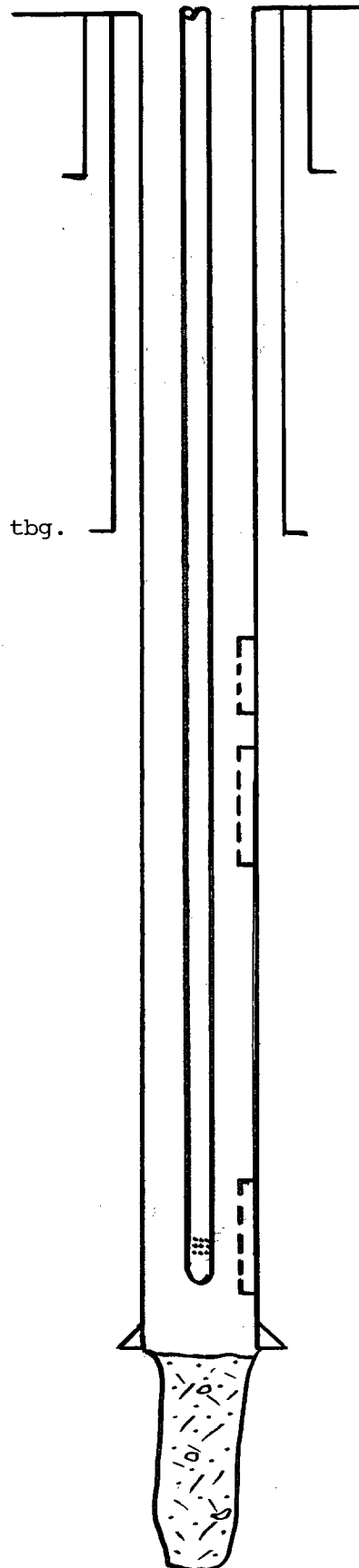
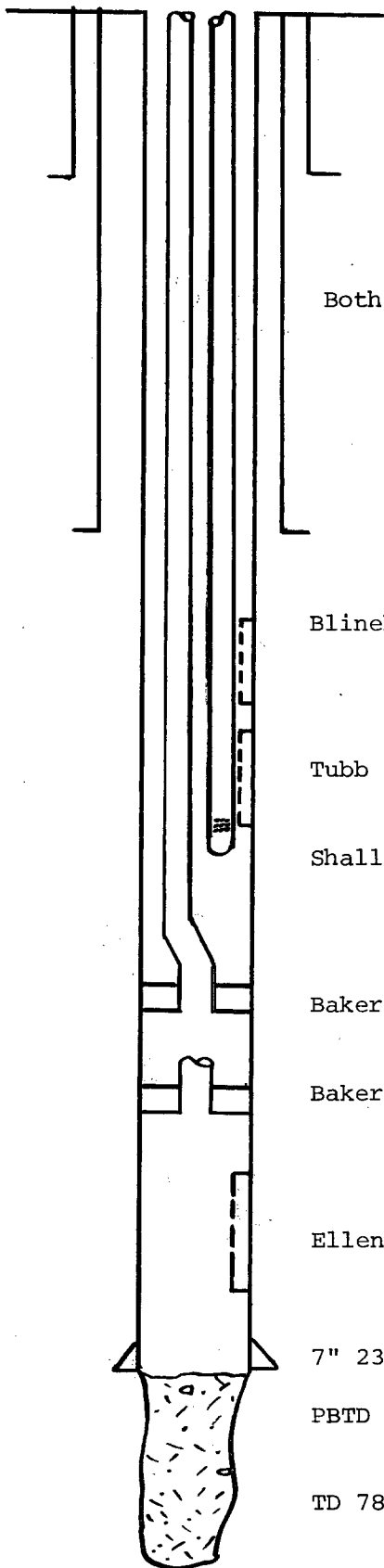
Baker locset @ 6169' w/24'-2 3/8" tbg. above

Ellenburger 7680-7694'

7" 23#/ft. N-80 & J-55 csg. set @ 7758'

PBTD @ 7758' w/40 sx.

TD 7800'



**NEW MEXICO OIL CONSERVATION COMMISSION
GAS-OIL RATIO TESTS**

C-116
Revised 1-1-65

Operator GETTY OIL COMPANY		Pool JUSTIS BLINEBRY		County IEA											
Address P.O. BOX 730, HOBBS, NEW MEXICO 88240		Type of Test - (X) ☒ TEST - (X)		Scheduled ☐ Completion ☐ Special ☒											
LEASE NAME	WELL NO.	LOCATION				DATE OF TEST	CHOKE SIZE	TUBG. PRESS.	DAILY ALLOW-ABLE	Length of test hours	PROD. DURING TEST				GAS - OIL RATIO CU.FT/BSL
		U	S	T	R						WATER DLS.	GRAV. OIL	OIL BSL.	GAS M.C.F.	
A.B. Coates "C"	18	I	24	25S	37E	7/25/84	P	-	21	24	11.5	35.1	11	267	24,272
	<u>DOWNHOLE COMMINGLED WITH JUSTIS TUBB-DRINKARD</u> <u>APPLICATION FOR DOWNHOLE COMMINGLING WITH ELLENBURGER.</u>														

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 allowable 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.

Mail 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.

Dale R. Crockett
Dale R. Crockett/Superintendent Area Supt.
August 16, 1984

NEW MEXICO OIL CONSERVATION COMMISSION GAS-OIL RATIO TESTS

C-115
Revised 1-1-73

Operator		Pool		County												
GETTY OIL COMPANY		JUSTIS TUBB-DRINKARD		LEA												
P.O. BOX 730, HOBBS, NEW MEXICO 88240				TEST - (X)	Scheduled ☐	Competition ☐	Specimen ☒									
LEASE NAME	WELL NO.	LOCATION				DATE OF TEST	CHOKE SIZE	TBG. PRESS.	DAILY ALLOWABLE	LENGTH OF TEST HOURS	PROD. DURING TEST				GAS - OIL RATIO CU.FT/BSL	
		U	S	T	R						WATER DLS.	GRAV. OIL	OIL DLS.	GAS M.C.F.		
A.B. Coates "C"	18	I	24	25S	36E	7/25/84	P	-	-	9	24	3.8	35.1	4.7	36	7660
	<u>DOWNHOLE COMMINGLED WITH JUSTIS BLINERY</u> <u>APPLICATION FOR DOWNHOLE COMMINGLING WITH ELLENBURGER</u>															

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 allowable 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.

[Signature]
Date R. Crockett, Sr. Area Supt.
August 16, 1984

**NEW MEXICO OIL CONSERVATION COMMISSION
GAS-OIL RATIO TESTS**

C-118
Revised 1-1-65

Operator GETTLY OIL COMPANY		Pool JUSTIS ELLENBURGER		County LEA	
Address P.O. BOX 730, HOBBS, NEW MEXICO 88240		Type of Test - (X) ☒ TEST - (X)		Schedul'd ☐	
Lease Name A.B. Coates "C"		Well No. 18		Location I 24 25S 37E	
		Date of Test 6/27/84		Choke Size -	
		Type of Test P		Tbg. Press. -	
		Daily Allowable 18		Length of Test 24	
		Water Dbls. 58		Prod. During Test 36.9	
		Oil Dbls. 17.5		Gas M.C.F. 16	
		Gas Ratio 914		Gas - Oil Ratio 914	
Application for Downhole Commingling.					

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 allowable when authorized by the Commission.

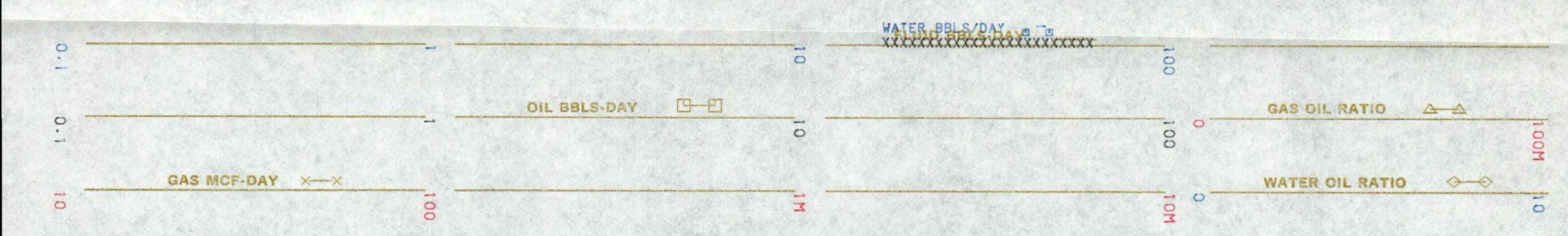
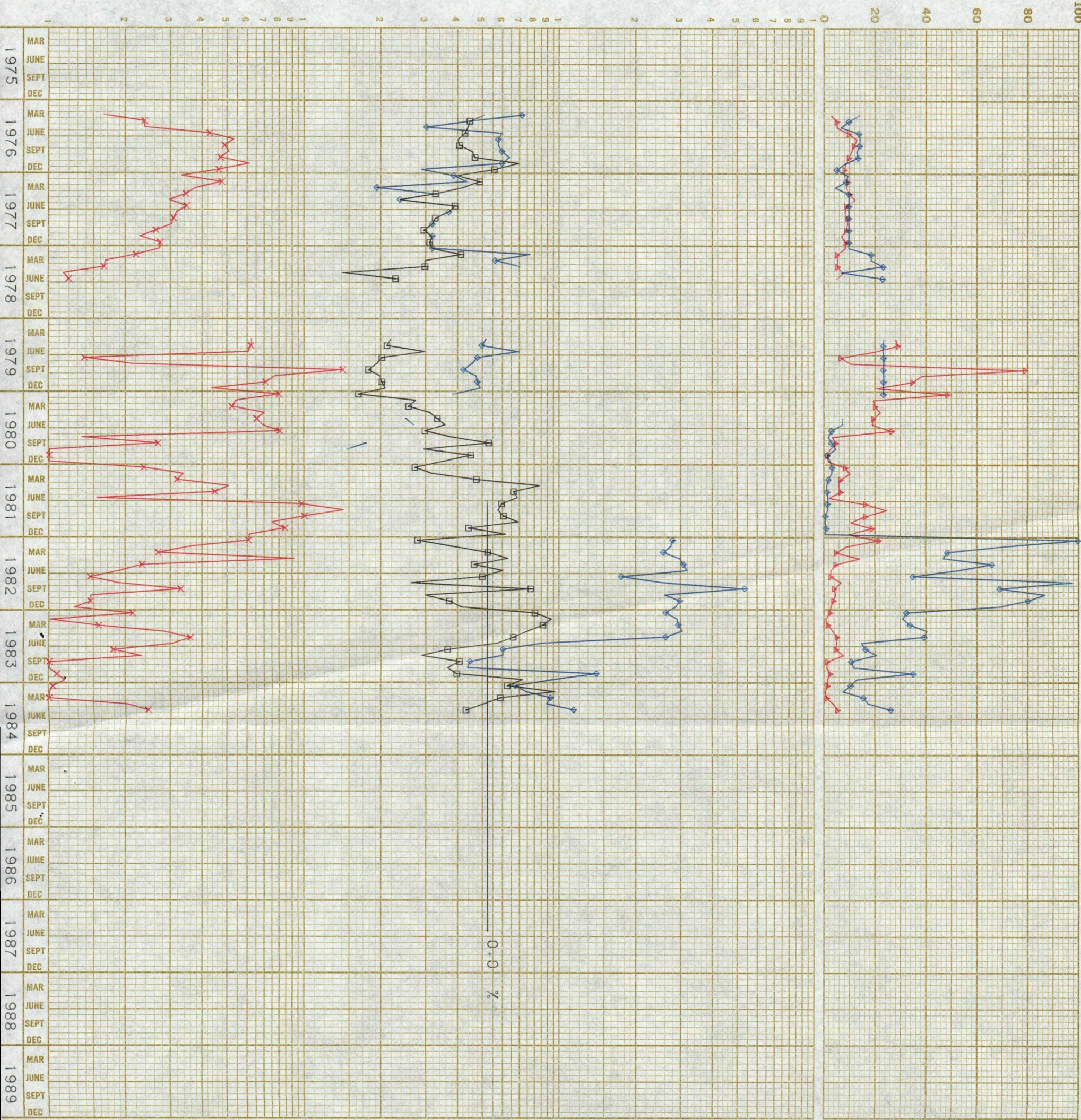
Gas volumes must be reported in MCF measured at a pressure base of 15.025 psia and a temperature of 60° F. Specific gravity base will be 0.60.

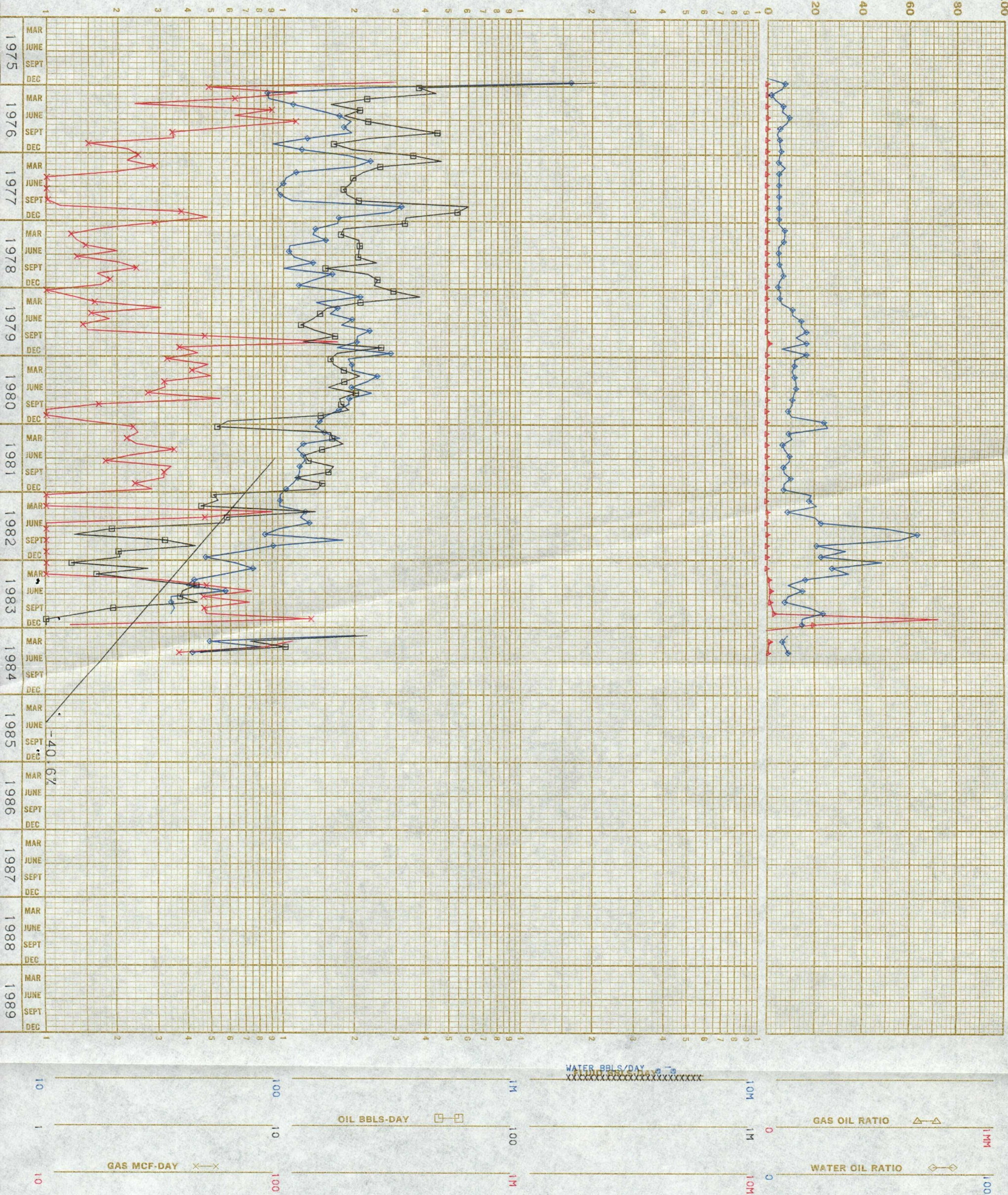
Report casing pressure in lieu of tubing pressure for any well producing through casing.

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.

W. R. Crockett
Date August 16, 1984
Area Supt.







BENNETT-CATHEY WIRE LINE SERVICE

P. O. BOX 787

ARTESIA, NEW MEXICO 88210

Phone (505) 746-3281



BOTTOM HOLE PRESSURE SURVEY REPORT

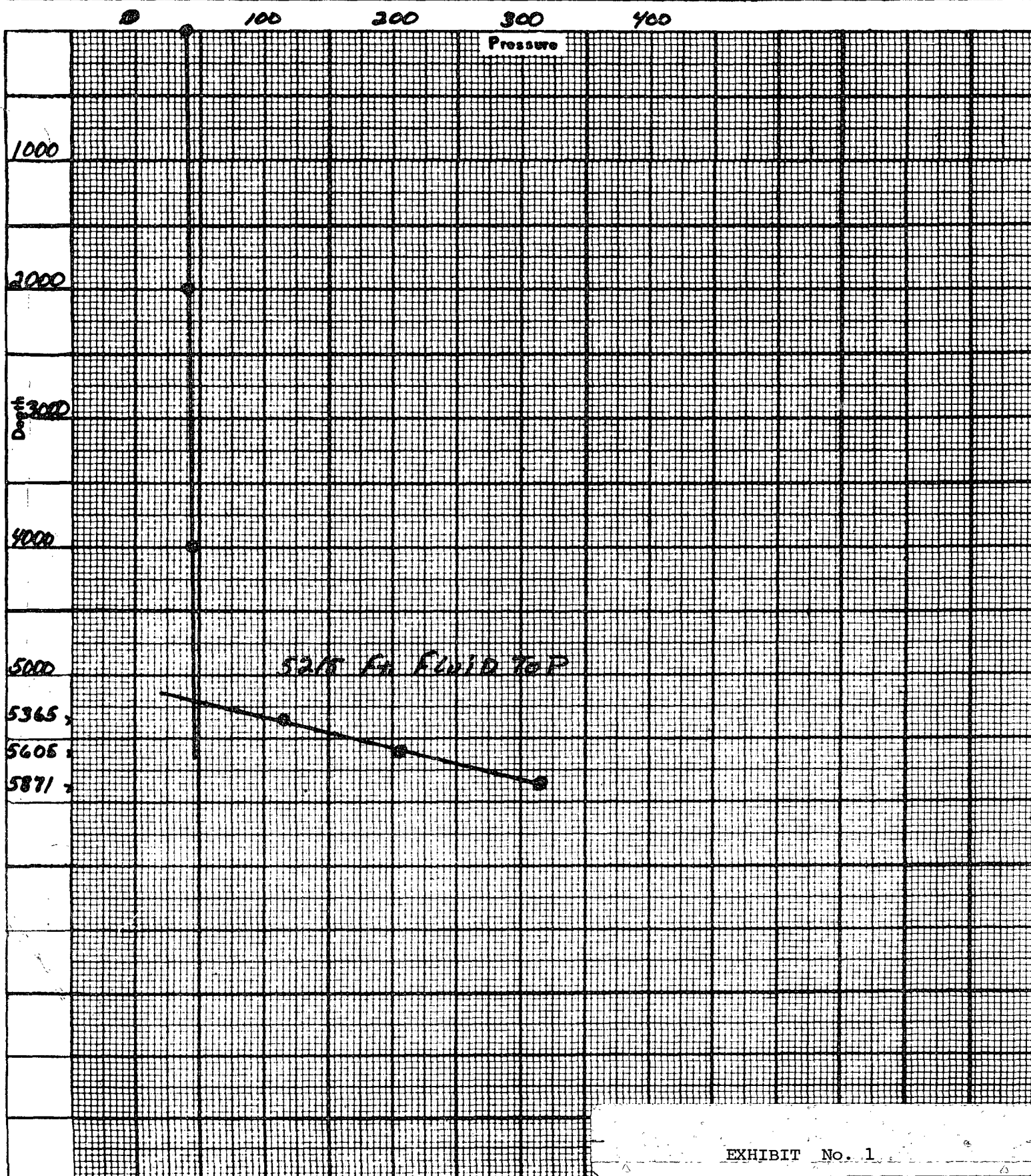
OPERATOR GETTY OIL COMPANY
LEASE A.B. COATS "C"
WELL NO. #18
POOL FORMATION TUBBS-DRINKARD
DATE 8-17-84 TIME 0919 HOUR
CO. MAN JIM MICKAS
STATUS SHUT IN TEST DEPTH 5871 FEET
TIME S.I. 0800 HOUR LAST TEST DATE 1ST TEST
8-24-84 BHP LAST TEST
TUB. PRES. 38.2# BHP CHANGE
CAS. PRES. FLUID TOP 5215 FEET
DATUM PLANE WATER TOP
DATUM PSIA 315.2# RUN BY DAVID SPENCER
TEMP 107° CLOCK # B-3443
PRESSURE RANGE 5150 LBS.
ELEMENT NO. RPG3#22749

DEPTH	PSIA	LBS/100 FT.
PRESSURE	GRADIENT	
0	38.2	
2000	41.2	.2
4000	44.2	.2
5365	116.2	5.3
5605	207.2	37.9
5871	315.2	40.6

TIME B.H.P. MEASURED 0919 HOUR.

LENGTH OF TIME WELL SHUT IN 73 HR 19 MIN.

PERFORATIONS FROM 5274 TO 5840 FEET.





BENNETT-CATHEY WIRE LINE SERVICE

P. O. BOX 787
ARTESIA, NEW MEXICO 88210
Phone (505) 746-3281



BOTTOM HOLE PRESSURE SURVEY REPORT

OPERATOR GETTY OIL COMPANY
LEASE A.B. COATS "C"
WELL NO. #18
POOL FORMATION ELLENBERGER
DATE 8-27-84 TIME 1029 HOUR
CO. MAN JAMES MICKAS
STATUS SHUT IN TEST DEPTH 6000 FEET
TIME S.I. 0800 HOUR LAST TEST DATE 1ST TEST
8-24-84 BHP LAST TEST
TUB. PRES. 15.2# BHP CHANGE
CAS. PRES. FLUID TOP 4050 FEET
DATUM PLANE WATER TOP 5850 FEET
DATUM PSIA 627.2# RUN BY DAVID SPENCER
TEMP 108° CLOCK # B-3443
PRESSURE RANGE 5150 LBS.
ELEMENT NO. RPG3#22749

DEPTH	PSIA PRESSURE	LBS/100 FT. GRADIENT
0	15.2	
2000	18.2	.2
4000	27.2	.4
5365	421.2	28.9
5605	495.2	30.8
5871	575.2	30.1
6000	627.2	40.3
7678	1327.2	41.7

7678 FEET WAS EXTRAPOLATED.

TIME B.H.P. MEASURED 1029 HOUR.

LENGTH OF TIME WELL SHUT IN 74 HR 29 MIN.

PERFORATIONS FROM 7758 TO 7800 FEET.

