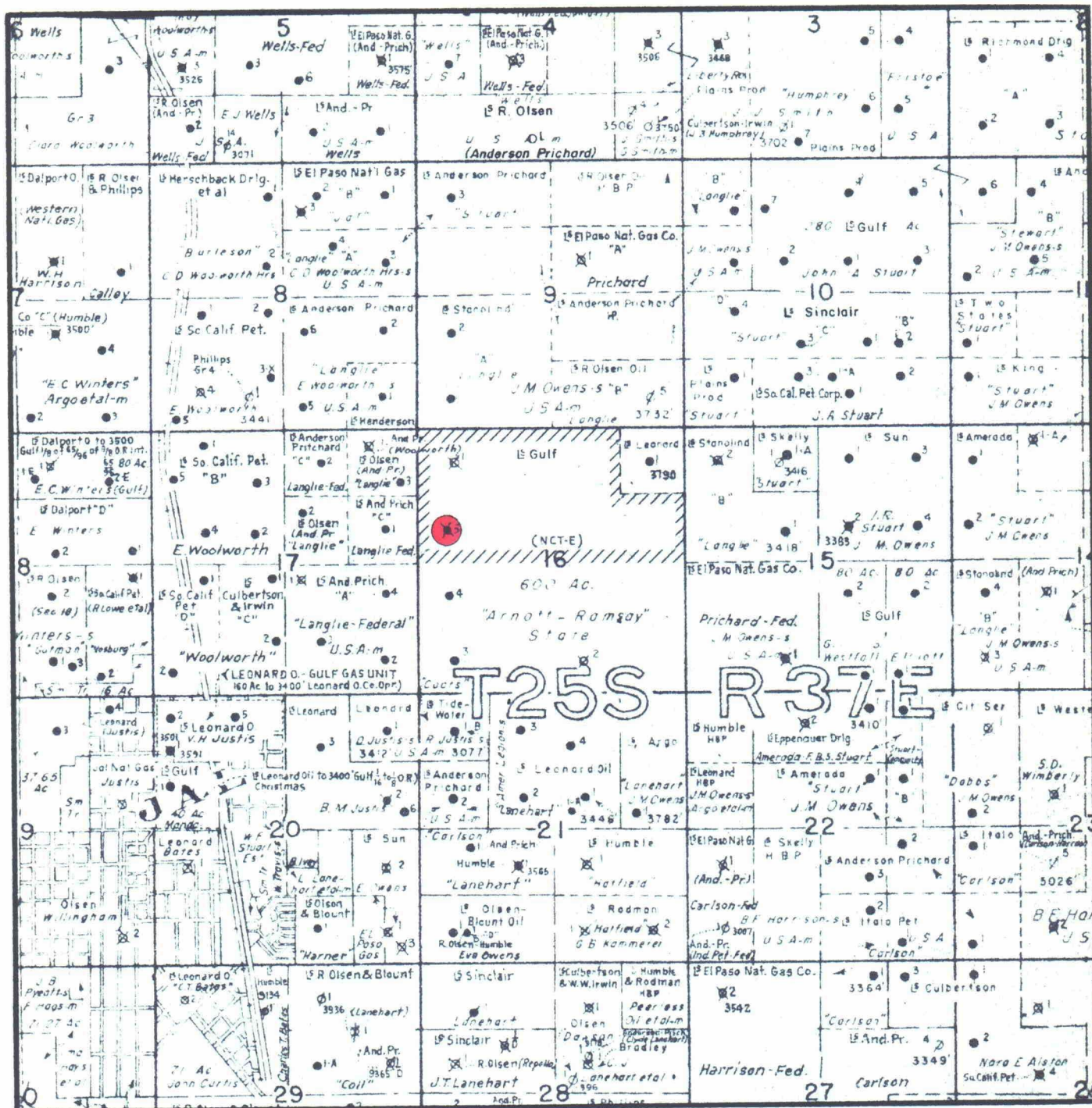




ARNOTT-RAMSAY "E" NO. 5
JALMAT POOL, LEA COUNTY, NEW MEXICO
GULF OIL CORPORATION

JANUARY 7, 1958

CASE NO. 1360
EXHIBIT NO. 3-A

NEW MEXICO OIL CONSERVATION COMMISSION
One-point Back Pressure Test for Gas Wells
(Deliverability)

Case No. 1360
Exhibit 3-13
Form C-122-C
4-1-54

Pool Jalmat Formation Yates-Seven Rivers County Lea
Initial Annual Special x Date of test 12-2, 12-4-57
Company Gulf Oil Corporation Lease Arnett-Ramsay "E" Well No. 5
Unit E Sec. 16 Twp. 25S Rge. 37E Purchaser Permian Basin Pipeline Co.
Casing 5.5 Wt. 15.5 I.D. 4.990 Set at 3169 Perf. 2990 To 3150
Tubing 2.375 Wt. 4.7 I.D. 1.995 Set at 3155 Perf. To
Gas Pay: From 2990 To 3150 L 3155 x G .655 = GL 2067 Bar.Press. 13.2
Producing Thru: Casing Tubing x Type Well Single
Single- Bradenhead-G.G. or G.O. Dual

FLOW DATA

Started		Taken		Duration Hours	Type Taps	Line Size	Orifice Size	Static Press.	Differ- ential	Flow Temp.
Date	time	Date	time							
12-2-57	AM		AM				4" x 2.00			60
	PM	12-3-57	PM	27.50			O.W.T.	15.5#		

FLOW CALCULATIONS

Static Pressure P_f	Differ- ential h_w	Meter Extension $\sqrt{P_f h_w}$	24-Hour Coeff- icient	Gravity Factor F_g	Temp. Factor F_t	Compress- ability F_{pv}	Rate of Flow MCF/Da. @ 15.025 psia Q
				.9571	1.000		2,190

SHUT-IN DATA

Shut-in		Press. Taken		Duration Hours	Wellhead Pressure (P_c) psia		W.H. Working Pressure (P_w) and (P_t) psia	
Date	Time	Date	Time		Tubing	Casing	Tubing	Casing
	AM		AM		562.4	562.4	371.2	488.2
12-3-57	PM	12-4-57	PM	23.0				

FRICTION CALCULATIONS(if necessary)

SUMMARY

P_c = _____ psia
 Q = _____ MCF/Da.
 P_w = _____ psia
 P_d = _____ psia
 D = _____ MCF/Da.

DELIVERABILITY CALCULATIONS

P_w _____ P_c _____ $P_w + P_c$ _____
 $1 - \frac{P_w}{P_c}$ _____ $1 + \frac{P_w}{P_c}$ _____ $\left(1 - \frac{P_w}{P_c}\right) \left(1 + \frac{P_w}{P_c}\right) = M$ _____
.36 + M _____ Log _____ x (n) _____ = _____ +

COMPANY Gulf Oil Corporation
ADDRESS Box 2167, Hobbs, N.M.
AGENT and TITLE D. C. Sears, Gas Tester
WITNESSED Joe Horton
COMPANY Permian Basin Pipeline Co.

Log Q = _____
Log D = _____
Antilog = _____ = D

REMARKS

Well made approximately 1.5 bbls oil and water - tubing has perforated anchor on bottom.

PRODUCTION BY MONTHS - ARNOTT-RAMSAY "E" WELL NO. 5
JALMAT POOL, LEA COUNTY, NEW MEXICO

Case No. 1360
Exhibit 3 C

<u>MONTH-YEAR</u>	<u>UNDERPRODUCTION MCF</u>	<u>DAYS OPERATED</u>	<u>PRODUCTION MCF</u>	<u>CURRENT ALLOWABLE-MCF</u>
May 56	7,918	0	0	7,918
June 56	14,574	12	15,797	22,453
July 56	44,428	3	3,028	32,882
Aug. 56	55,518	12	14,698	25,788
Sept. 56	66,617	27	34,104	45,203
Oct. 56	69,731	29	35,240	38,354
Nov. 56	72,269	24	28,723	31,261
Dec. 56	69,291	31	48,310	45,332
Jan. 57	47,421	31	47,775	25,905
Feb. 57	62,592	25	35,495	50,666
Mar. 57	40,503	31	45,647	23,558
Apr. 57	25,759	29	35,833	21,089
May 57	9,500	29	39,876	23,617
June 57	25,633	6	4,297	14,502
July 57	4,954	28	35,625	14,946
Aug. 57	27,531	26	16,328	38,905
Sept. 57	45,860	30	17,335	35,664
Oct. 57	61,470	31	14,681	30,291
Nov. 57	84,106	27	13,791	36,427