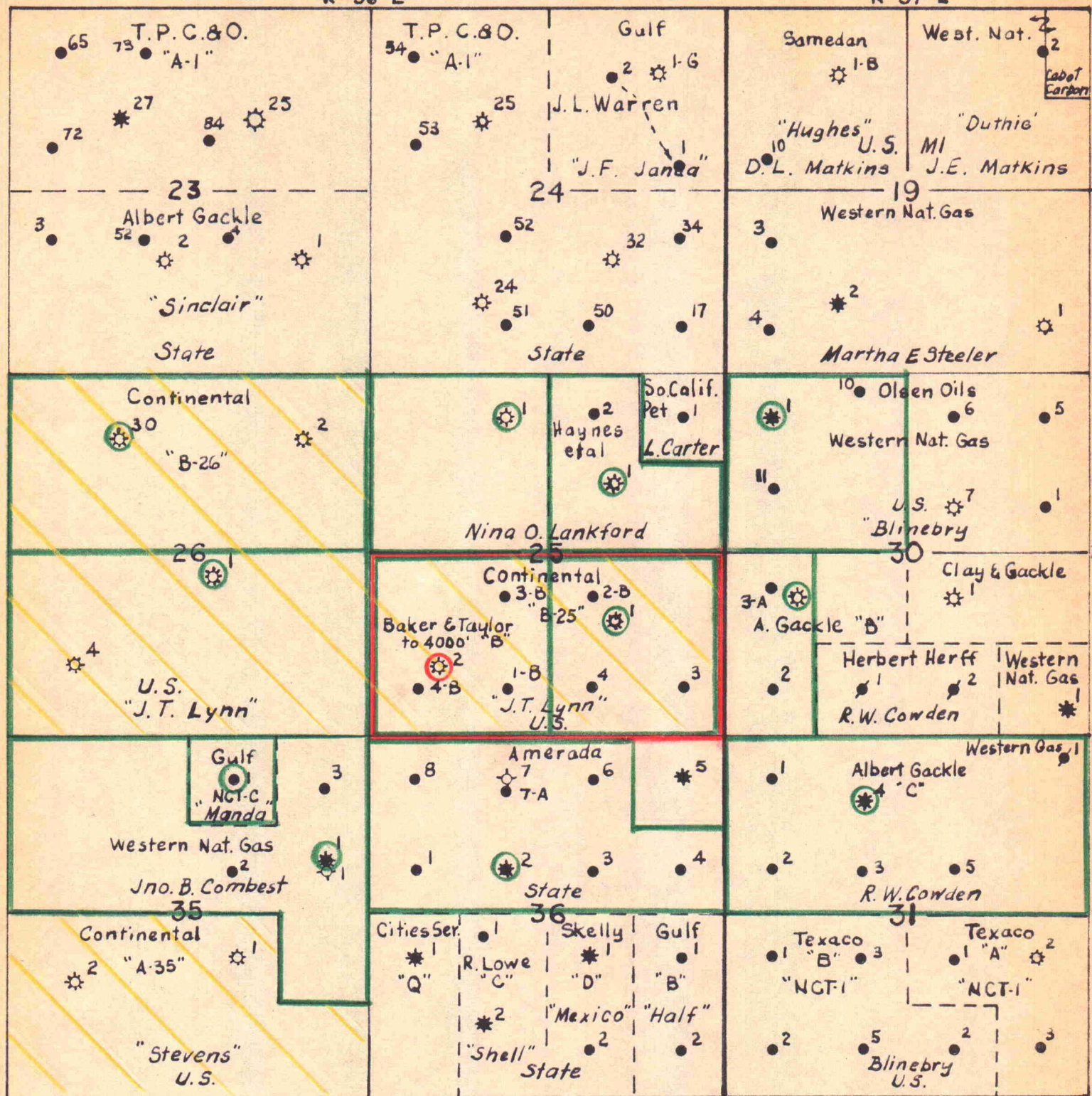




CONTINENTAL OIL COMPANY
LOCATION AND OWNERSHIP PLAT

Scale: 1" = 2,000'
Lynn B-25 No. 2
Proposed Gas Unit -

BEFORE EXAMINER UTZ

OIL CONSERVATION COMMISSION

AP EXHIBIT NO

CASE NO.

Approved Gas Unit Well 

Approved Gas Unit _____

RECEIVED
EUNICE DIST OFFICE

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

HOEBS OFFICE REC C-122-C

4-1-54

Well Jalnet Formation Yates & Seven Rivers County 1961 MAY 16 AM 10:11
 Initial Annual X Special Date of test 4-28-55-61
 Company Continental Oil Company Lease Lynn B-25 Well No. 2
 Unit M Sec. 25 Twp. 23 Rge. 36 Purchaser El Paso Natural Gas Company
 Casing 5-1/2" Wt. 14# I.D. 5.012 Set at 2776 Perf. O.H. 2776 To 3350
 Tubing 2-3/8" Wt. 4.7# I.D. 1.995 Set at 3272 Perf. To
 Test by: From 2776 To 3350 L 3272 x G 0.648 = GL 2120 Bar. Press. 13.2
 Flowing Thru: Casing Tubing X Type Well Single
 Single- Bradenhead-G.G. or G.O. Dual

FLOW DATA

Date	Started time	Taken		Duration Hours	Type Taps	Line Size	Orifice Size	Static Press.	Differential	Flow Temp.
		Date	time							
5-1-61	10:30AM	5-2-61	10:30 AM	24	Flg	4"	1.750	539	35.40	68°
	PM		PM							

FLOW CALCULATIONS

Static Pressure P_f	Differential h_w	Meter Extension $\sqrt{P_f h_w}$	24-Hour Coefficient	Gravity Factor F_g	Temp. Factor F_t	Compressability F_{pv}	Rate of Flow MCF/Da. @ 15.025 psia Q
552.2	35.40	139.81	19.27	.9622	.9924	1.053	2,709

SHUT-IN DATA

FLOW 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
5-2-61	10:30 AM	5-3-61	10:30 AM	24	679.2	679.2	563.2	632.2
	PM	5-4-61		46	679.2	679.2		
		5-5-61		72	681.2	681.2		

FRICTION CALCULATIONS (if necessary)

P_w Measured

SUMMARY

P_c = 681.2 psia

Q = 2,709 MCF/Da.

P_w = 632.2 psia

P_d = 545.0 psia

D = 4,726 MCF/Da.

DELIVERABILITY CALCULATIONS

$$P_w \quad 632.2 \quad P_c \quad 681.2 \quad P_w + P_c \quad 0.9281$$

$$1 - \frac{P_w}{P_c} \quad 0.0719 \quad 1 + \frac{P_w}{P_c} \quad 1.9281 \quad \left(1 - \frac{P_w}{P_c} \right) \left(1 + \frac{P_w}{P_c} \right) = M \quad 0.1386$$

$$.36 + M \quad 2.597 \quad \text{Log} \quad 0.414472 \quad x (n) \quad 0.583$$

$$= 0.241637 +$$

COMPANY Continental Oil Company
 ADDRESS Box 68, Eunice, New Mexico
 AGENT and TITLE Dist. Supt.
 WITNESSED
 COMPANY

Log Q = 3.432809

Log D = 3.674446

Antilog = 4,725.5 D

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BEFORE EXAMINER UTZ
OIL CONSERVATION COMMISSION
EXHIBIT NO. 5
CASE NO. 6991