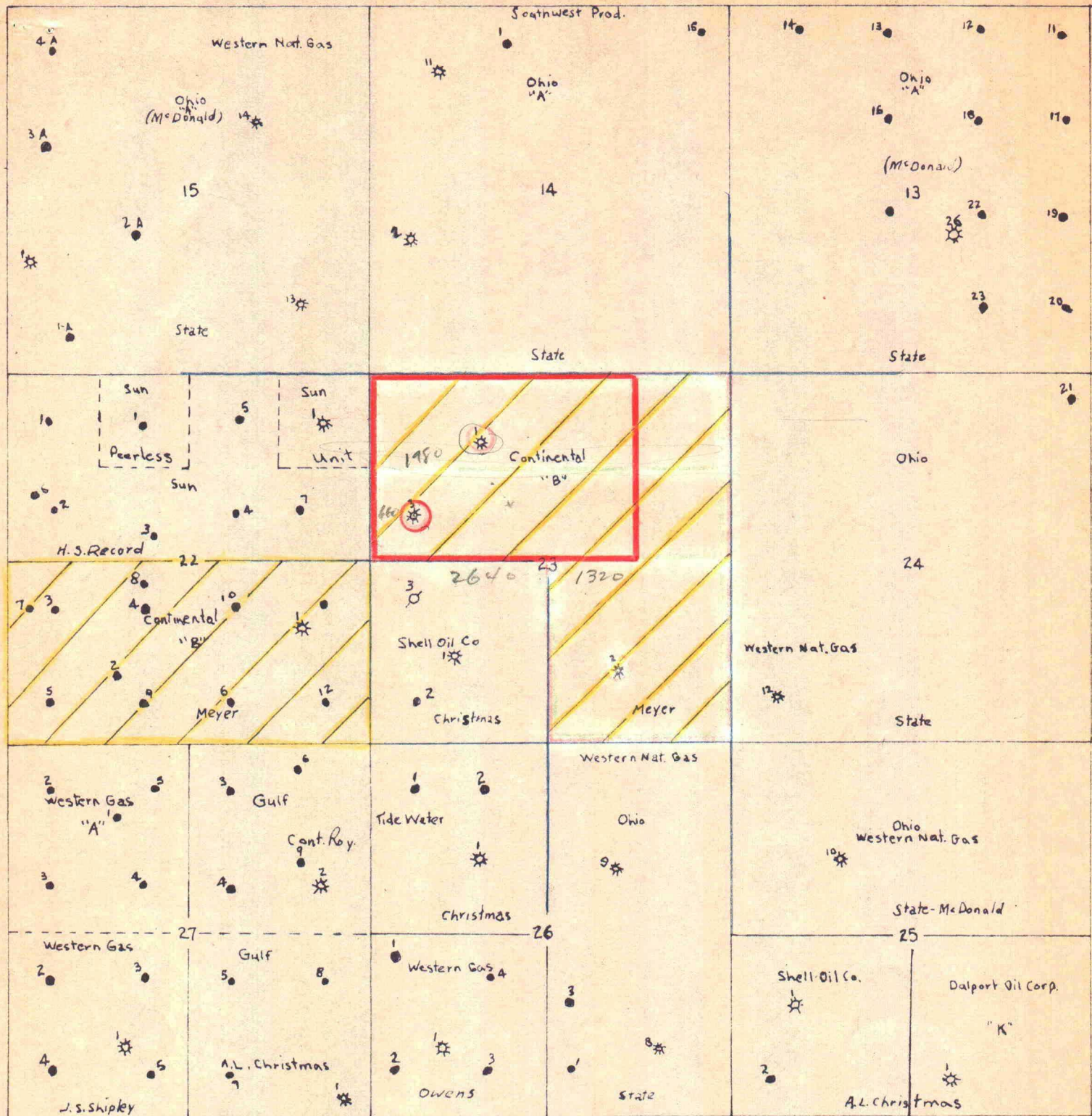


R 36 E



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CONTINENTAL OIL COMPANY
LOCATION AND OWNERSHIP PLAT

Scale: 1" = 2,000'

Meyer B-23 Lease ———

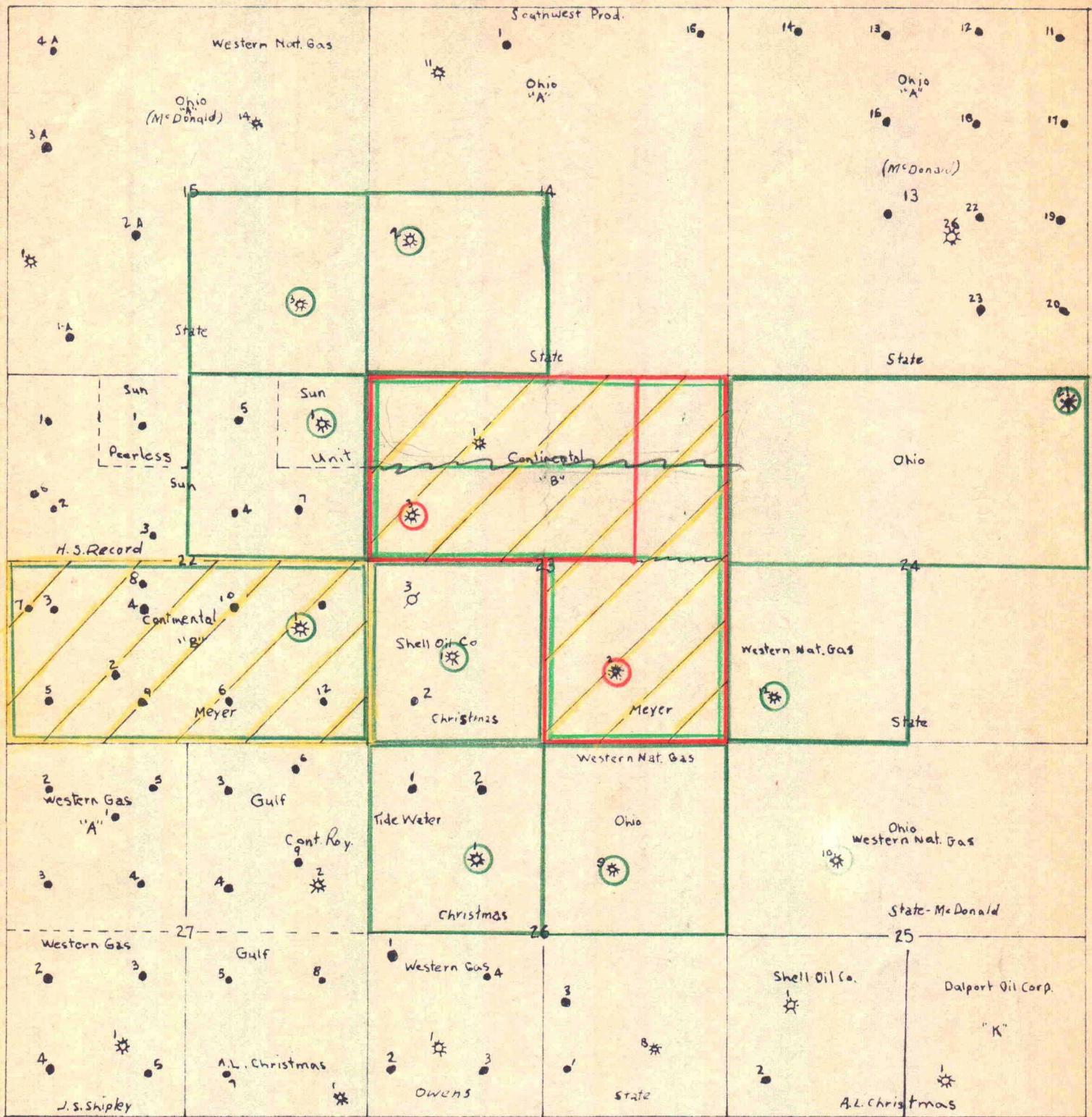
Meyer B-23 Gas Well ○

1980
2/3960
2
19
18
160

Approved Gas Proration Unit ———

Case 2292

R 36 E



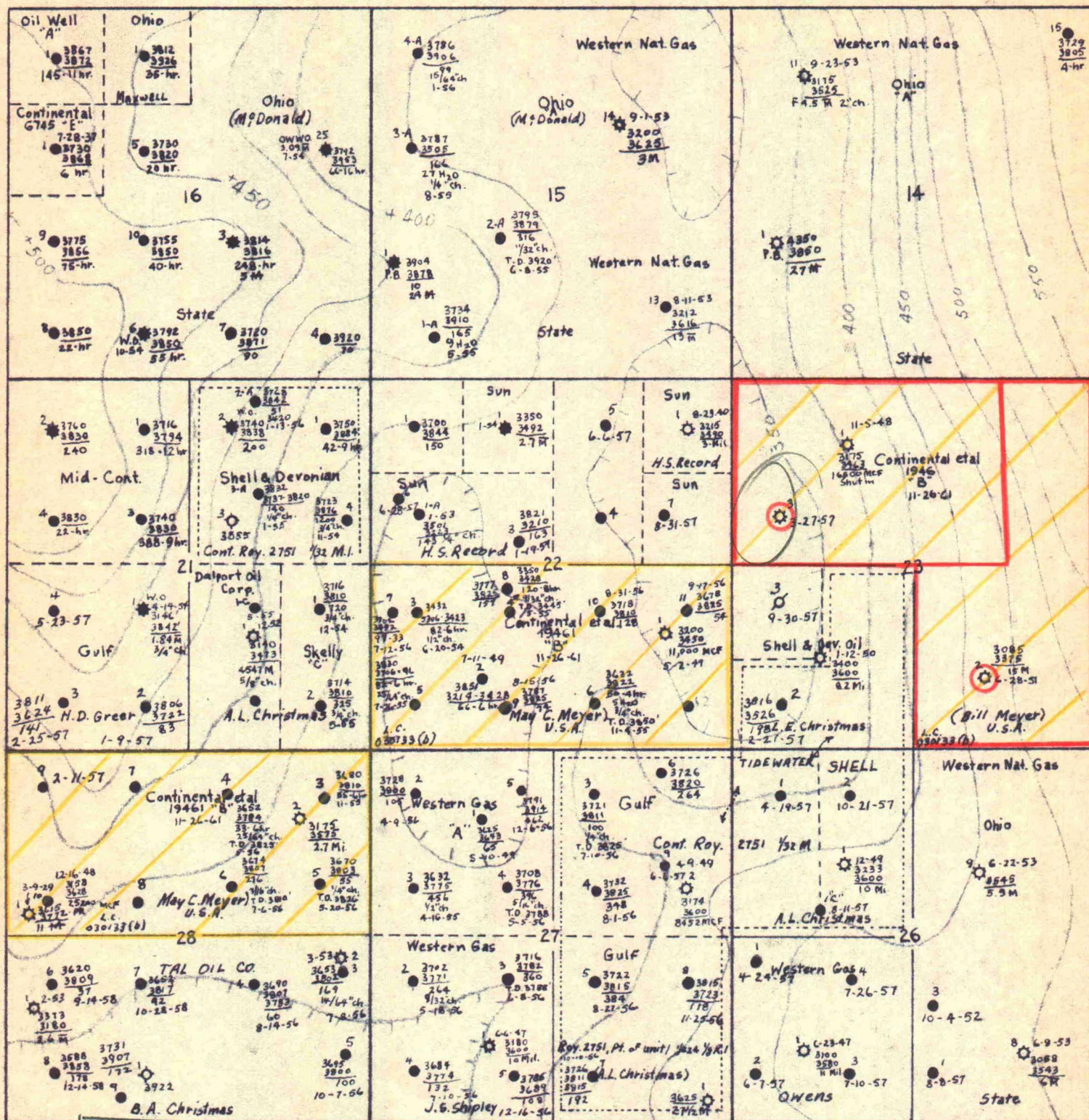
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BEFORE EXAMINER UTZ
OIL CONSERVATION COMMISSION
CONTINENTAL OIL COMPANY
LOCATION AND OWNERSHIP PLAT
EXHIBIT NO. AP
CASE NO. 2392/2393
Scale: 1" = 2,000'

Proposed Gas Proration Unit
Proposed Gas Unit Well ○

Approved Gas Proration Unit
Approved Gas Unit Well ○

R-36-E



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BEFORE EXAMINER UTZ
CONTINENTAL OIL COMPANY
OIL CONSERVATION COMMISSION
STRUCTURE PLAT
EXHIBIT NO. 2
CASE NO. 2892/2393
CONTOURED ON YATES MARKER

Scale: 1" = 2,000'

Contour Interval: 25'

Proposed Gas Unit Well

Proposed Gas Proration Unit

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

Form C-122-C
4-1-54

Pool Jalmit Formation Yates County Lee
Initial Annual X Special Date of test 2-10-2-17-61
Company Continental Oil Company Lease Mayer B-23 Well No. 2
Unit 0 Sec. 23 Twp. 22 Rge. 36 Purchaser El Paso Natural Gas Company
Casing 5-1/2" Wt. 2.5 I.D. Set at 3079 Perf. 3-10-11-3079 To 3378
Tubing 2-3/8" Wt. 4.7 I.D. 1.995 Set at 3310 Perf. To
Gas lay: From 3079 To 3378 L 3310 x G .675 = GL 2234 Bar. Press. 13.2
Producing Thru: Casing Tubing X Type Well Single
Single- Bradenhead-G.G. or G.C. Dual

FLOW DATA

Started		Taken		Duration Hours	Type Taps	Line Size	Orifice Size	Static Press.	Differ- ential	Flow Temp.
Date	time	Date	time							
<u>2-13-61</u>	<u>10:30 AM</u>	<u>2-14-61</u>	<u>10:30 AM</u>	<u>24</u>	<u>Flg.</u>	<u>4"</u>	<u>2,000</u>	<u>344</u>	<u>54.02</u>	<u>66°</u>
	<u>PM</u>		<u>PM</u>							

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
<u>357.2</u>	<u>54.02</u>	<u>136.91</u>	<u>25.58</u>	<u>.9427</u>	<u>.9943</u>	<u>1.037</u>	<u>3454</u>

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
<u>2-14-61</u>	<u>10:30 AM</u>	<u>2-15-61</u>	<u>10:30 AM</u>	<u>24</u>	<u>635.2</u>	<u>635.2</u>	<u>382.2</u>	<u>550.2</u>
		<u>2-16-61</u>		<u>48</u>	<u>639.2</u>	<u>639.2</u>		
	<u>PM</u>	<u>2-17-61</u>	<u>PM</u>	<u>72</u>	<u>642.2</u>	<u>642.2</u>		

FRICTION CALCULATIONS(if necessary)

P_w Measured

SUMMARY

P_c = 642.2 psia

Q = 3454 MCF/Da.

P_w = 550.2 psia

P_d = 513.8 psia

D = 4573 MCF/Da.

DELIVERABILITY CALCULATIONS

P_w 550.2 P_c 642.2 P_w + P_c .8567
 $1 - \frac{P_w}{P_c} = 1 + \frac{P_w}{P_c} \left(1 - \frac{P_w}{P_c} \right) \left(1 + \frac{P_w}{P_c} \right) = M$
.1433 1.8567 .2661
.36 + M 1.353 Log 0.131298 x (n) 1.000 = 0.131298 +

Log Q = 3.538322

Log D = 3.669620

Antilog = 4573 = D

COMPANY Continental Oil Company
ADDRESS Box 68, Bupico, New Mexico
AGENT and TITLE Dist. Supt.
PHONE NO.
COMPANY

REMARKS

RECEIVED
BUNICE DIST. OFF.
MAY 19 1961

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

Form C-122-C
4-1-54

Pool Jalwat Formation Yates & Seven Rivers County Lea
 Initial Annual X Special Date of test 4-21/4-28-61
 Company Continental Oil Company Lease Meyer B-23 Well No. 3
 Unit E Sec. 23 Twp. 22 Rge. 36 Purchaser El Paso Natural Gas Company
 Casing 5-1/2 Wt. 14 I.D. 5.012 Set at 3884 Perf. 3312 To 3468
 Tubing 2-3/8 Wt. 4.7 I.D. 1.995 Set at 3309 Perf. To
 Gravity: From 3312 To 3468 L 3309 x G .675 = GL 2234 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							
4-24-61	10:15AM	4-25-61	10:15 AM	24	Flg	4"	1.750	345	56.25	69°
	PM		PM							

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
358.0	56.25	141.95	19.27	.9427	.9915	1.037	2651

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
4-5-61	10:15 AM	4-26-61	10:15 AM	24	598.2	605.2	386.2	551.2
		4-27-61		48	603.2	608.2		
	PM	4-28-61	PM	72	605.2	610.2		

FRICTION CALCULATIONS(if necessary)

P_g Measured

SUMMARY

P_c = 610.2 psia
 Q = 2651 MCF/Da.
 P_w = 551.2 psia
 P_d = 488.2 psia
 D = 4492 MCF/Da.

DELIVERABILITY CALCULATIONS

P_w 551.2 P_c 610.2 $P_w + P_c$ 0.9033
 $1 - \frac{P_w}{P_c}$ 0.0967 $1 + \frac{P_w}{P_c}$ 1.9033 $\left(1 - \frac{P_w}{P_c}\right) \left(1 + \frac{P_w}{P_c}\right) = M$.1840
 $.36 + M$ 1.956 $\log$ 0.291369 $x(n)$ 0.786

= 0.229016 +

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

$\log Q$ = 3.43410
 $\log D$ = 3.65426
 Antilog = 4492 $\cdot D$

REMARKS