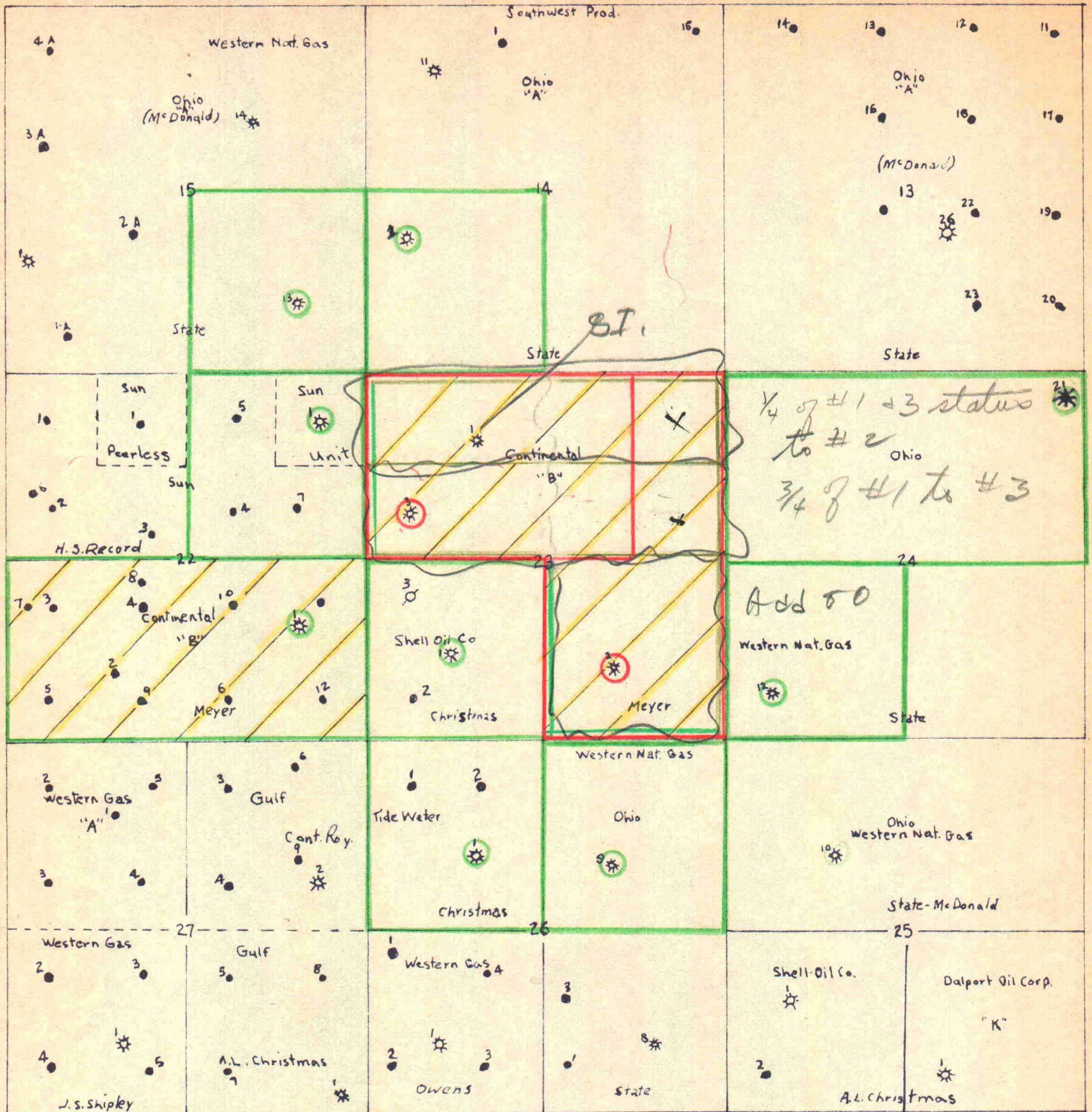


R 36 E



BEFORE EXAMINER UTZ
OIL CONSERVATION COMMISSION

CONTINENTAL OIL COMPANY
LOCATION AND OWNERSHIP PLAT

EXHIBIT NO. 1
CASE NO. 23929-2393

Scale: 1" = 2,000'

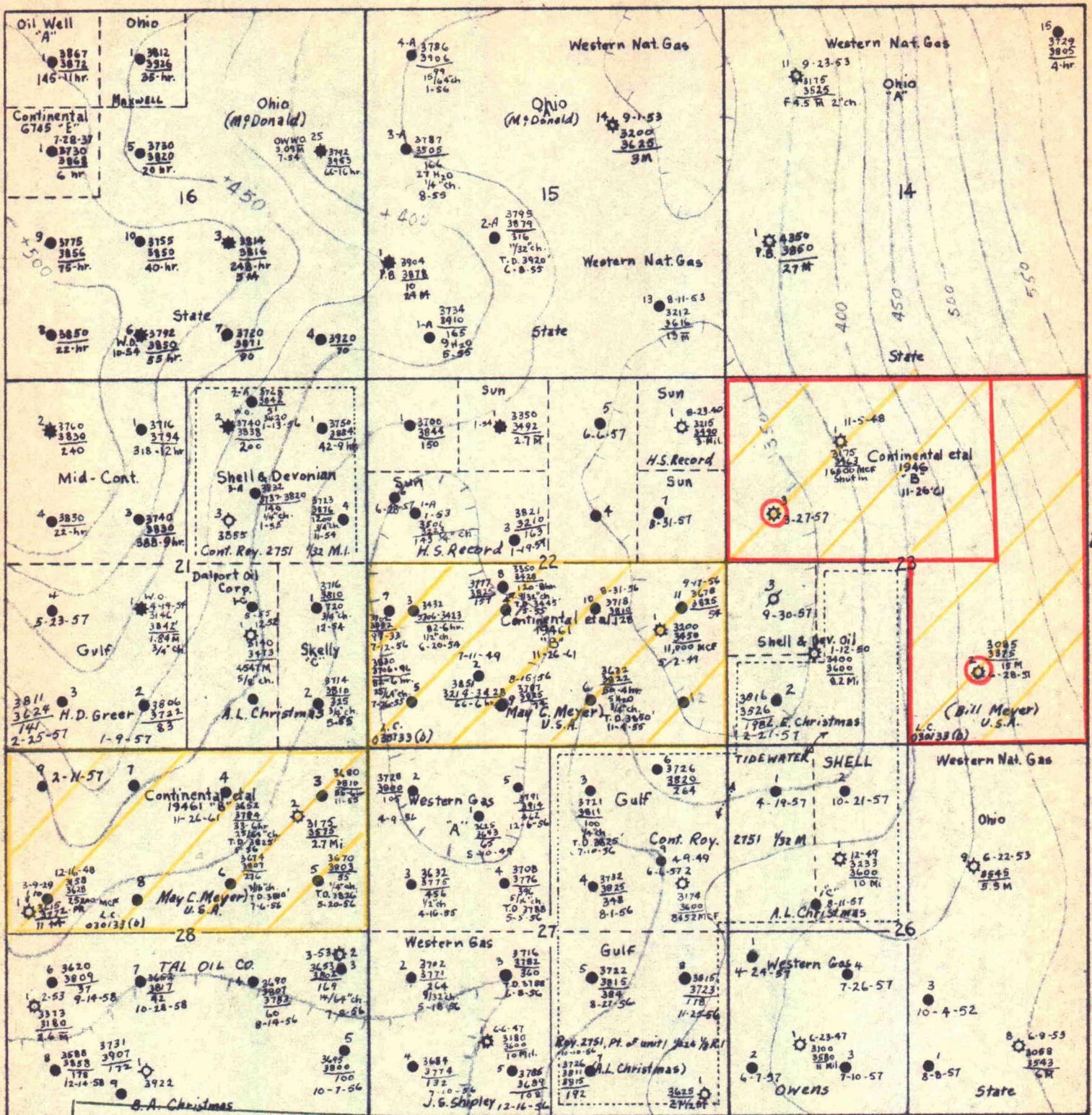
Proposed Gas Proration Unit

Approved Gas Proration Unit

Proposed Gas Unit Well

Approved Gas Unit Well

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BEFORE EXAMINER UTZ
OIL CONSERVATION COMMISSION
CONTINENTAL OIL COMPANY
STRUCTURE PLAT
EXHIBIT NO. 2
CASE NO. 23924 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 Jalisco Formation Yates County Lee
Initial Annual X Special _____ Date of test 2-10/2-17-61
Company Continental Oil Company Lease Mapes B-23 Well No. 2
Unit 0 Sec. 23 Twp. 22 Rge. 36 Purchaser El Paso Natural Gas Company
Casing 5-1/2" Wt. 1.5 I.D. _____ Set at 3079 Perf. 4-3/4" H. 3079 To 3378
Tubing 2-3/8" Wt. 4.7 I.D. 1.995 Set at 3310 Perf. _____ To _____
Gas Pay: 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.O. 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>PM</u>	<u>2-16-61</u>	<u>10:30 AM</u>	<u>48</u>	<u>639.2</u>	<u>639.2</u>		
		<u>2-17-61</u>	<u>PM</u>	<u>72</u>	<u>642.2</u>	<u>642.2</u>		

FLOW DATA

FRICTION CALCULATIONS(if necessary)

P_f Measured

SUMMARY

P_c = 642.2 psia
Q = 3454 MCF/Da.
P_w = 550.2 psia
P_d = 513.8 psia
D = 4475 MCF/Da.

DELIVERABILITY CALCULATIONS

P_w 550.2 P_c 642.2 P_w + P_c .8567
1 - $\frac{P_w}{P_c}$.1433 1 + $\frac{P_w}{P_c}$ 1.8567 $\left(1 - \frac{P_w}{P_c}\right) \left(1 + \frac{P_w}{P_c}\right) = M$.2661
.36 + M 1.353 Log 0.131298 x (n) 1.000 .921 = 0.131298 +

COMPANY Continental Oil Company
ADDRESS Box 68, Duran, New Mexico
AGENT and TITLE J. B. Black Dist. Sept.
WITNESSED _____
COMPANY _____

Log Q = 3.538322
Log D = 3.647620
Antilog = 4475 = D

REMARKS

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

RECEIVED
EUNICE DIST. OFFICE
MAY 1961

Form C-122-C

4-1-54

Well Jalmat Formation Yates & Seven Rivers County Lea
Interval 1 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
Pressure: From 3312 To 3468 L 3309 x G .675 = CL 2234 Bar. Press. 13.2
Flowing 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							
4-4-61	10:15AM	4-5-61	10:15 AM	24	Flg	4"	1.750	345	56.25	69°
	PM		PM							

FLOW CALCULATIONS

Static Pressure	Differ- ential	Meter Extension	24-Hour Coeff- icient	Gravity Factor	Temp. Factor	Compress- ability	Rate of Flow
P _f	h _w	√p _f h _w		F _g	F _t	F _{pv}	MCF/Da. @ 15.025 psia Q
358.0	56.25	141.95	19.27	.9427	.9915	1.037	2651

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
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)

SUMMARY

P_g Measured
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 +
Log Q = 3.453410
Log D = 3.652426
Antilog = 4492 = D

DELIVERABILITY CALCULATIONS

COMPANY Continental Oil Company
ADDRESS Box 60, Eunice, New Mexico
AGENT and TITLE W. L. L. L. Dist. Supt.
WITNESSED
COMPANY

REMARKS

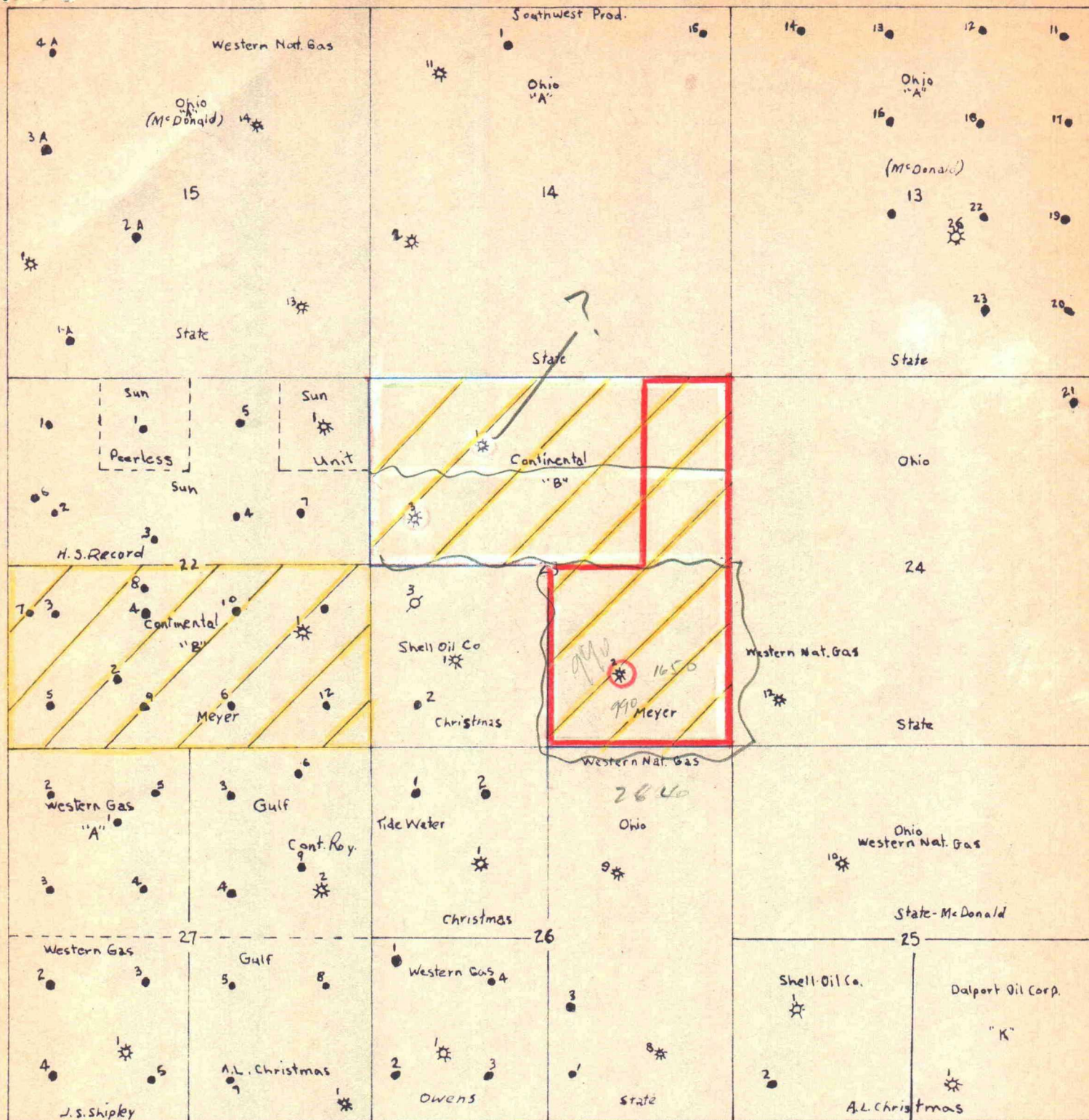
BEFORE EXAMINER UTZ	
OIL CONSERVATION COMMISSION	
<u>HP</u>	EXHIBIT NO. <u>3</u>
CASE NO.	<u>63-2752</u>

BEFORE EXAMINER UTZ
CIL CONSENT TO COMMISSION
F. R. [Signature] 4
[Signature]

BEFORE EXAMINER UTZ
CIL CONSENT TO COMMISSION
F. R. [Signature] 4
[Signature]

BEFORE EXAMINER UTZ
CIL CONSENT TO COMMISSION
F. R. [Signature] 4
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R 36 E



CONTINENTAL OIL COMPANY
LOCATION AND OWNERSHIP PLAT

Scale: 1" = 2,000'

Meyer B-23 Lease —

Meyer B-23 Gas Well ○

Approved Gas Proration Unit —

Case 2293