



THE ATLANTIC REFINING COMPANY
INCORPORATED - 1870
PETROLEUM PRODUCTS

DOMESTIC PRODUCING DEPARTMENT
NEW MEXICO DISTRICT

MAILING ADDRESS
P. O. BOX 1978
ROSWELL, NEW MEXICO

BOONE MACAULAY, DISTRICT MANAGER
R. F. CHAMPION, DISTRICT LANDMAN
W. T. EASTES, DISTRICT GEOPHYSICIST
E. R. DOUGLAS, DISTRICT GEOLOGIST
A. D. KLOXIN, DISTRICT DRG. & PROD. SUP'T.
W. P. TOMLINSON, DISTRICT ENGINEER
B. R. WARE, ADMINISTRATIVE SUPERVISOR

December 31, 1962

New Mexico Oil Conservation Commission
Post Office Box 871
Santa Fe, New Mexico

Re: January 3, 1963, Examiner
Hearing, Case No. 2727

Gentlemen:

The Continental Oil Company has applied for the establishment of special rules concerning 80-acre spacings and allowables for the Oil Center Blinbry Pool in Lea County, New Mexico. Case No. 2727 will be heard before the Examiner on Thursday, January 3, 1963.

The Atlantic Refining Company is in agreement with the rules proposed by Continental and recommends that they be established. Atlantic owns a working interest in the Continental-operated Meyer B-4 Lease which presently has seven producing wells in the Oil Center Blinbry Pool. We have reviewed the reservoir characteristics of the pool and the provisions of the rules to be presented. It is our opinion that the rules will be appropriate.

Yours very truly,

W. P. Tomlinson

PJF:pam



STANDARD OIL COMPANY OF TEXAS

A DIVISION OF CALIFORNIA OIL COMPANY
P. O. BOX 1249 • HOUSTON 1, TEXAS

January 20, 1964

Case file
[Signature]

New Mexico Oil Conservation Commission
P. O. Box 871
Santa Fe, New Mexico

Gentlemen:

Case No. 2727, a review of Order R-2408 which established temporary 80-acre spacing for the Oil Center-Blinebry Pool, is scheduled for January 22, 1964.

Standard Oil Company of Texas, a Division of California Oil Company, a working interest owner in the subject field, recommends that the present rules of Order R-2408 should be made permanent.

Yours very truly,

C. N. Segnar
C. N. Segnar
Chief Engineer

RLMc:ja

cc: Continental Oil Company
P. O. Box 460
Hobbs, New Mexico

RECEIVED
JAN 22 1964
NEW MEXICO
OIL CONSERVATION COMMISSION

SUN OIL COMPANY

SOUTHWEST DIVISION

P. O. BOX 2880

DALLAS 21, TEXAS

A. S. RHEA

SUPT. OPERATING DEPT

CECIL A. COLVILLE
ASSISTANT MANAGER

January 13, 1964

RE: Case No. 2727
Oil Center Blinebry Pool
Lea County, New Mexico:
Hearing January 22, 1964

Mr. A. L. Porter, Jr.
State of New Mexico
Oil Conservation Commission
P. O. Box 871
Santa Fe, New Mexico

Dear Sir:

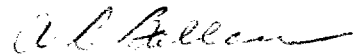
Sun Oil Company has received notice from the Commission that Case No. 2727 will be reopened on January 22, 1964, to consider evidence concerning making the present temporary rules for the Oil Center Blinebry Pool permanent.

Sun Oil Company operates four of the 15 wells in this field. Our four wells produce with an average gas-oil ratio of 1250/1. Engineering information accumulated during the production of our wells from this reservoir indicates to Sun that one well can adequately and efficiently drain in excess of 80 acres and we respectfully request that the present temporary field rules governing production from this pool be made permanent.

We shall appreciate your making this letter a portion of the record of hearing on January 22.

Yours very truly,

SUN OIL COMPANY



A. R. Ballou

ARB:mo
cc Mr. R. G. Parker
Continental Oil Co.
1710 Fair Building
Fort Worth 2, Texas

ATLANTIC

THE ATLANTIC REFINING COMPANY
INCORPORATED - 1870
PETROLEUM PRODUCTS

DOMESTIC PRODUCING DEPARTMENT
NEW MEXICO DISTRICT

BOONE MACAULAY, DISTRICT MANAGER
R. F. CHAMPION, DISTRICT LANDMAN
W. T. EASTES, DISTRICT GEOPHYSICIST
E. R. DOUGLAS, DISTRICT GEOLOGIST
A. D. KLOXIN, DISTRICT DRG. & PROD. SUP'T.
W. P. TOMLINSON, DISTRICT ENGINEER
B. R. WARE, ADMINISTRATIVE SUPERVISOR

MAILING ADDRESS
P. O. BOX 1978
ROSWELL, NEW MEXICO

January 17, 1964

New Mexico Oil Conservation Commission
Post Office Box 871
Santa Fe, New Mexico

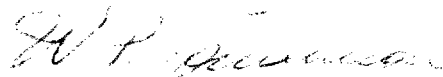
Attention: Mr. Elvis A. Utz

Re: Case No. 2727 (Reopened)

Gentlemen:

The Atlantic Refining Company urges the Commission to make permanent the temporary 80-acre proration units for the Oil Center Blinbry Pool, Lea County, New Mexico. We believe that 80-acre proration units are in the best interest of conservation and will prevent waste. The Atlantic Refining Company has a working interest in Continental Oil Company's wells in this pool.

Yours very truly,



W. P. Tomlinson

WPT:ly

cc: Mr. J. W. Wolfe, Jr.
Continental Oil Company
P.O. Box 460
Hobbs, New Mexico

GOVERNOR
JACK M. CAMPBELL
CHAIRMAN

State of New Mexico
Oil Conservation Commission



LAND COMMISSIONER
E. S. JOHNNY WALKER
MEMBER

P. O. BOX 871
SANTA FE

STATE GEOLOGIST
A. L. PORTER, JR.
SECRETARY - DIRECTOR

January 29, 1964

Mr. Jason Kellahin
Kellahin & Fox
Attorneys at Law
Post Office Box 1713
Santa Fe, New Mexico

Re: Case No. 2727
Order No. R-2408-A
Applicant:
Continental Oil Company

Dear Sir:

Enclosed herewith are two copies of the above-referenced Commission order recently entered in the subject case.

Very truly yours,

A. L. PORTER, JR.
Secretary-Director

ix/

Carbon copy of order also sent to:

Hobbs OCC x

Artesia OCC

Astec OCC

OTHER Mr. Guy Buell, Mr. W. D. Girand, Mr. Fletcher Catron.

GOVERNOR
EDWIN L. MECHEM
CHAIRMAN

State of New Mexico
Oil Conservation Commission



STATE GEOLOGIST
A. L. PORTER, JR.
SECRETARY - DIRECTOR

LAND COMMISSIONER
E. S. JOHNNY WALKER
MEMBER

P. O. BOX 871
SANTA FE

January 16, 1963

DOCUMENT FILED

Date 1-10-64

Mr. Jason Kellahin
Kellahin & Fox
Attorneys at Law
Box 1713
Santa Fe, New Mexico

Re: Case No. 2726 and 2727
Order No. R-2407 and R-2408
Applicant:
Continental Oil Company

Dear Sir:

Enclosed herewith are two copies of the above-referenced Commission order recently entered in the subject case.

Very truly yours,

A. L. Porter, Jr.

A. L. PORTER, Jr.
Secretary-Director

ir/

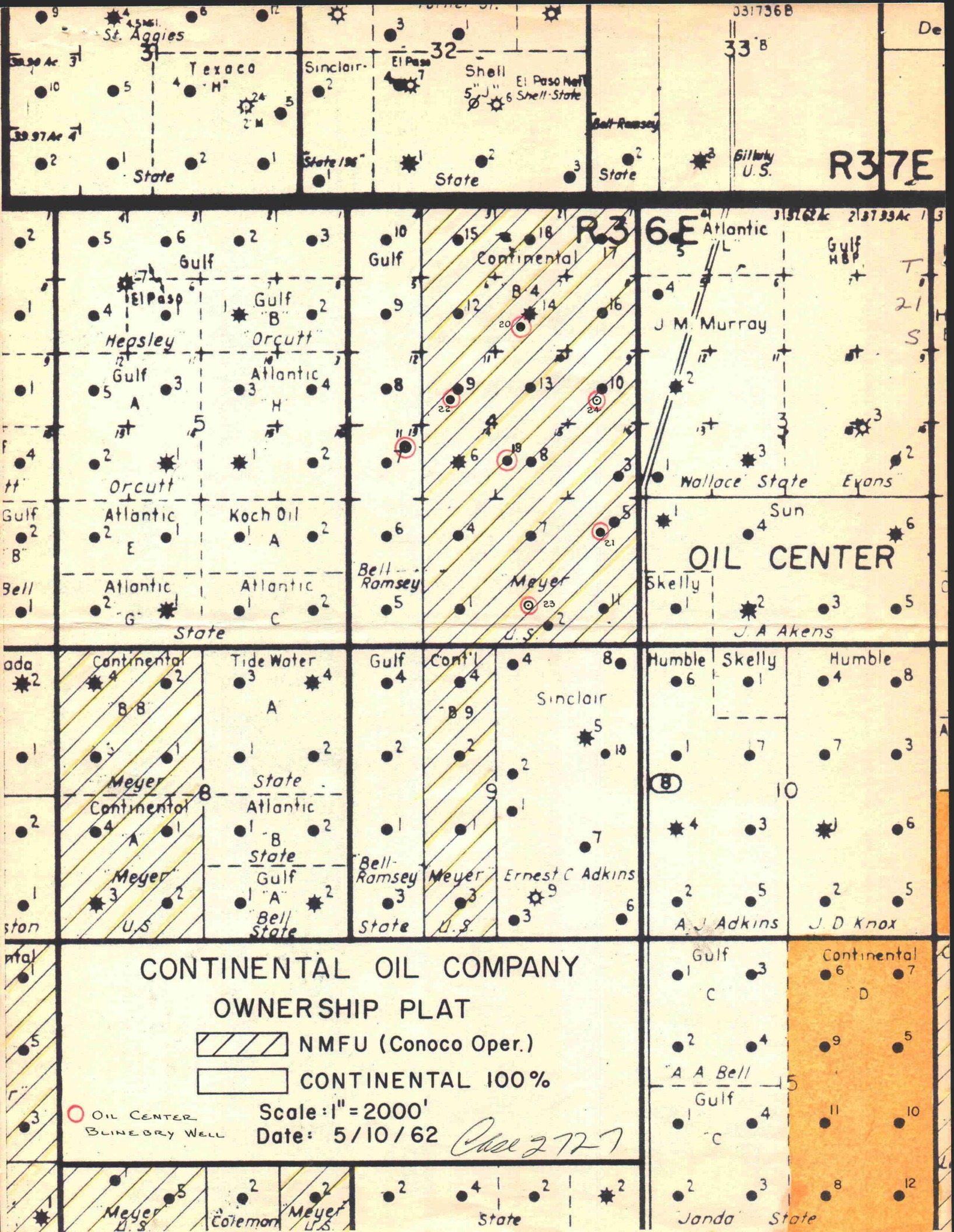
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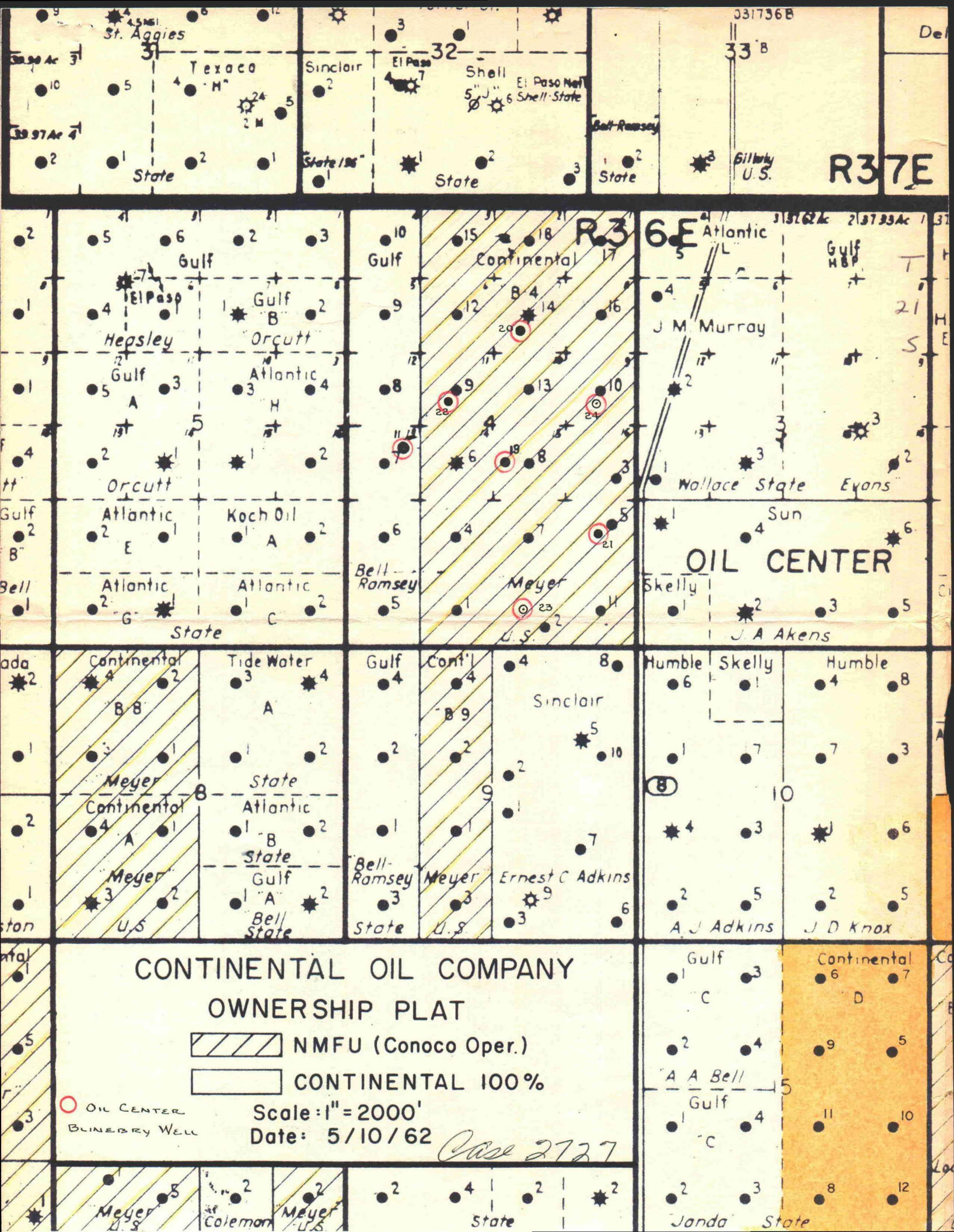
Hobbs OCC X

Artesia OCC

Aztec OCC X

OTHER Case 2727 - Mr. W. D. Girard
Mr. Bill Kastler and
Mr. Sim Christy





*Item 3rd
Case 2727*

KELLAHIN AND FOX
ATTORNEYS AT LAW
54½ EAST SAN FRANCISCO STREET
POST OFFICE BOX 1713
SANTA FE, NEW MEXICO

JASON W. KELLAHIN
ROBERT E. FOX

YUCCA 3-9396
YUCCA 2-2991

Nov. 21, 1962

New Mexico Oil Conservation Commission
P. O. Box 871
Santa Fe, New Mexico

Gentlemen:

Enclosed is the application of Continental Oil Company for approval of temporary field rules for the Oil Center-Blinbry Pool, Lea County, New Mexico, including 80-acre spacing for the pool.

It will be appreciated if this application can be set for hearing before the Commission's examiner at the earliest possible date. As soon as a hearing date has been set, would you please advise me.

Yours very truly,

Jason W. Kellahin

Jason W. Kellahin

JWKss
Encl. (3)

DOCKET MAILED

Date 12/21/62 *JK*

FIGURE 1-A
 MEYER B-4 NO.19
 OIL CENTER BLINEBRY POOL
 LEA COUNTY, NEW MEXICO

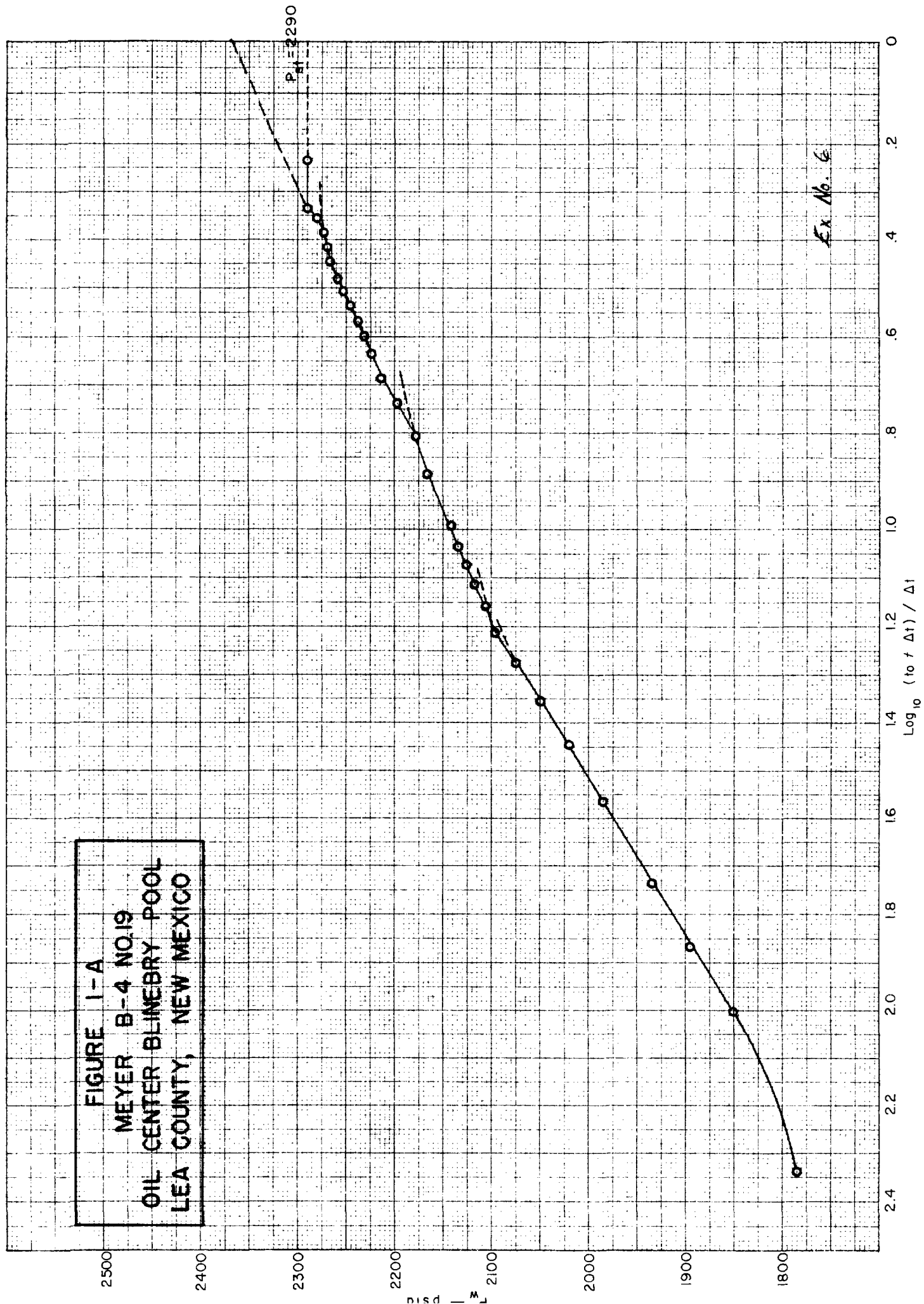
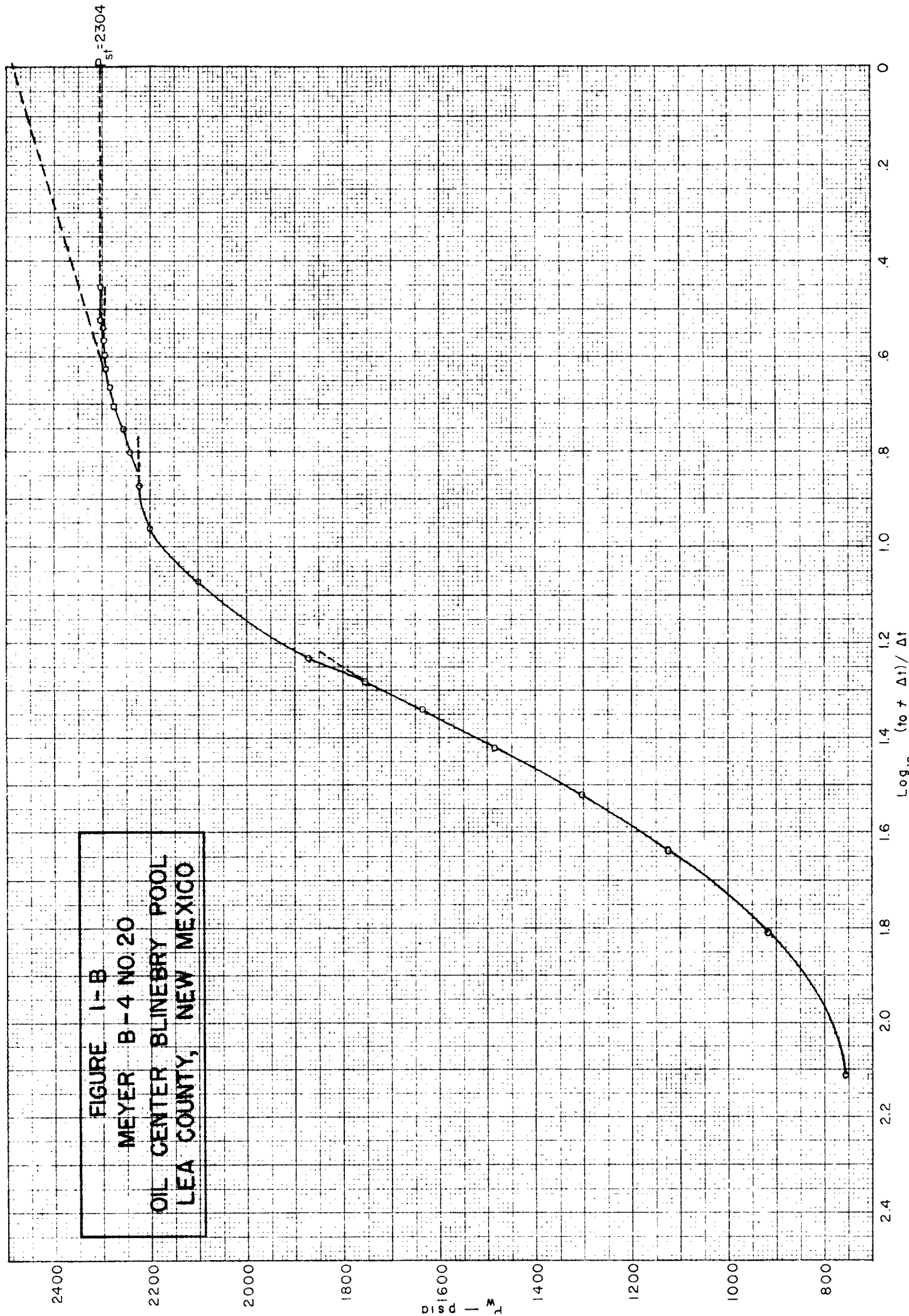
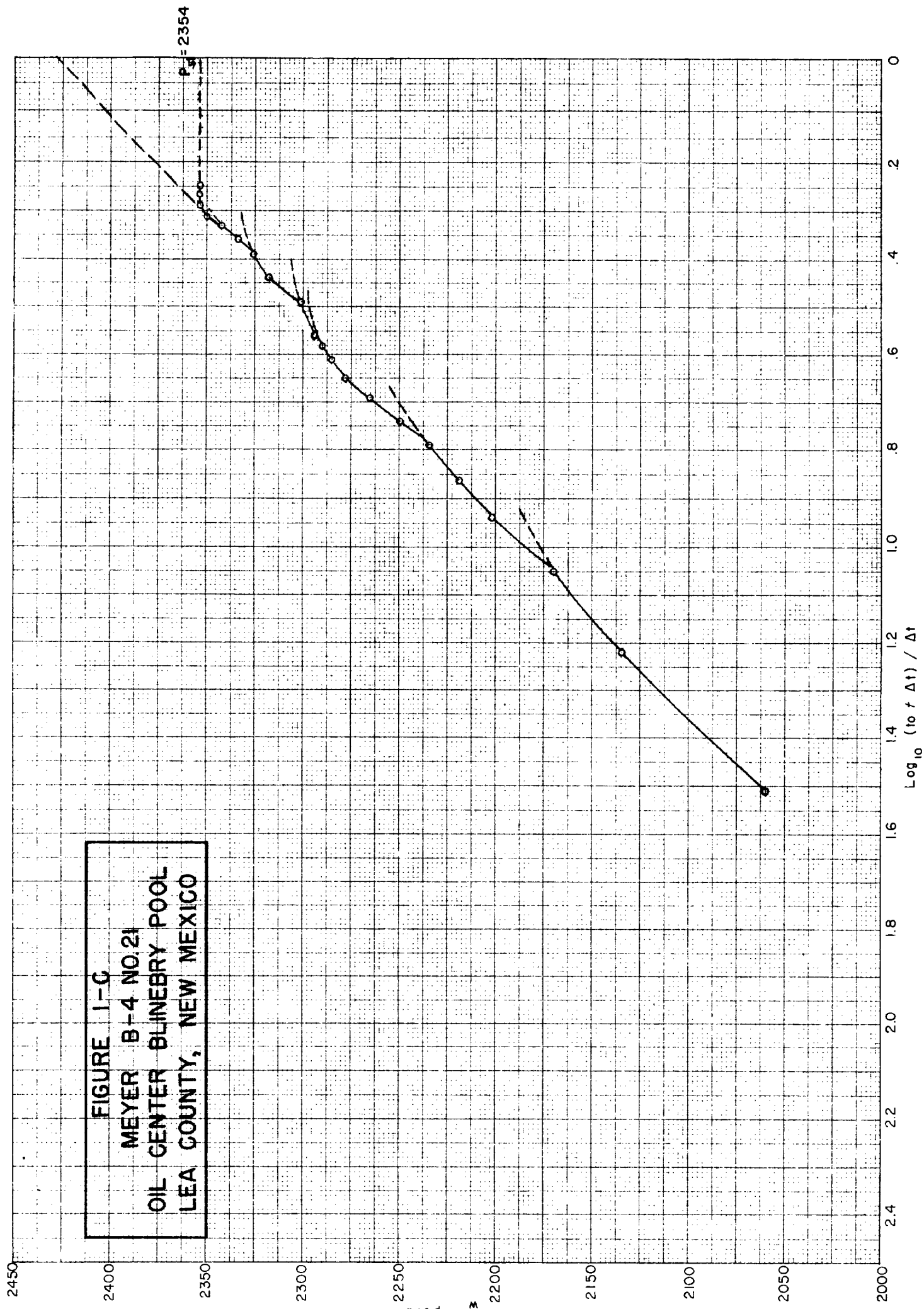


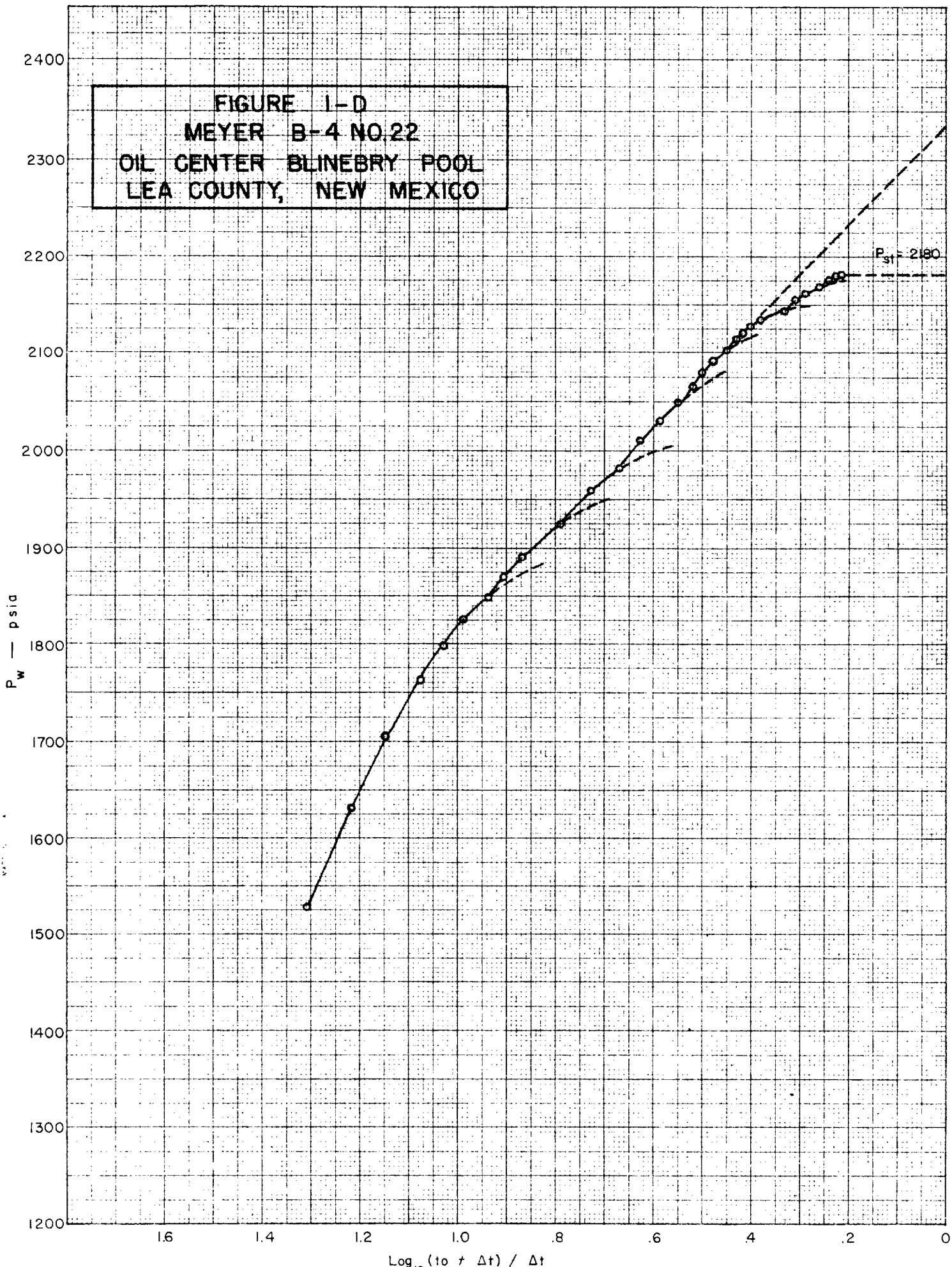
FIGURE 1-B
 MEYER B-4 NO 20
 OIL CENTER BLINEBRY POOL
 LEA COUNTY, NEW MEXICO





555-140 KEUFFEL & ESSER CO.
Medium to S. 5 mm. lines accepted, cm. lines heavy.

FIGURE 1-D
MEYER B-4 NO.22
OIL CENTER BLINEBRY POOL
LEA COUNTY, NEW MEXICO



1. Pressure build-up analysis, log p -4 to 11 cell
 2. Designated Mine, Coal, Lea County, New Mexico
 3. Pressure build-up in February, 1972

p (psia)	Δt (min.)	p_0 (psia)	$p_0 / \Delta t$ (min.)	$\frac{p_0 / \Delta t}{\Delta t}$ (-)	$10.16 \frac{p_0 / \Delta t}{\Delta t}$ (-)
170	0	3209	3209		
1707	17	3209	3204	118.23	0.34
1711	30	3209	3209	102.97	2.04
179	47	3209	3314	72.64	1.67
1935	70	3209	3329	54.40	1.74
1987	90	3209	3359	37.32	1.57
2023	120	3209	3309	26.64	1.45
2011	170	3209	3419	20.75	1.36
2075	190	3209	3449	19.16	1.30
2091	210	3209	3479	16.77	1.22
2107	240	3209	3599	14.42	1.16
2119	270	3209	3539	13.11	1.12
2127	300	3209	3509	11.90	1.08
213	330	3209	3499	10.91	1.036
2143	340	3209	3429	10.00	1.00
2167	420	3209	3749	7.81	0.89
2173	500	3209	3609	6.43	0.81
2191	720	3209	3989	4.34	0.74
2214	840	3209	4109	4.09	0.69
2222	940	3209	4229	4.41	0.64
2230	1040	3209	4349	4.03	0.60
2235	1200	3209	4409	3.72	0.57
2241	1320	3209	4309	3.40	0.54
2214	1440	3209	4709	3.27	0.51
2212	1560	3209	4809	3.02	0.46
2217	1600	3209	5009	2.67	0.43
2270	1760	3209	5249	2.61	0.43
2274	2140	3209	5429	2.43	0.39
2276	2340	3209	5709	2.40	0.38
2282	2580	3209	5789	2.30	0.362
2290	2700	3209	5909	2.21	0.344
2290	4100	3209	7709	1.727	0.240

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Model I - Pressure Build-up Analysis, Meyer B-4 No. 20
 Miller Center Hinery Pool, Lea County, New Mexico
 Pressure Build-up Survey, August, 1962

t_p	Δt (min.)	t_o (min.)	$t_o + \Delta t$ (min.)	$\frac{t_o + \Delta t}{\Delta t}$	$\log_{10} \frac{t_o + \Delta t}{\Delta t}$
140	0	1920	1920		
716	15	1920	1935	128	2.11
916	30	1920	1950	64	1.81
1137	45	1920	1965	43.7	1.64
1307	60	1920	1980	33.0	1.52
1437	75	1920	1995	25.6	1.41
1536	90	1920	2010	22.3	1.34
1757	105	1920	2025	19.29	1.29
1877	120	1920	2040	17.0	1.23
2104	135	1920	2100	11.7	1.07
2204	240	1920	2160	9.00	0.95
2224	300	1920	2220	7.40	0.87
2242	360	1920	2260	6.33	0.80
2276	420	1920	2340	5.57	0.75
2274	480	1920	2400	5.00	0.70
2264	540	1920	2460	4.56	0.66
2290	600	1920	2520	4.20	0.62
2294	660	1920	2580	3.91	0.59
2298	720	1920	2640	3.67	0.56
2278	780	1920	2700	3.40	0.54
2304	840	1920	2760	3.29	0.52
2304	900	1920	2970	2.83	0.45

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TABLE I - C Pressure Build-up Analysis, Layer 3-4 in 21
Oil Center Minebry Pool, Lea County, New Mexico
Pressure Build-up Test, August, 1962

p_w (psia)	Δt (min.)	t_h (min.)	$t_h / \Delta t$ (min.)	$\frac{t_h / \Delta t}{\Delta t}$	$\log_{10} \frac{t_h / \Delta t}{\Delta t}$
1875	0	1800	18.0		
2059	10	1870	1920	32.0	1.51
2135	120	1970	1980	16.50	1.22
2170	150	1980	2040	13.33	1.03
2202	240	1980	2160	9.00	0.94
2218	300	1980	2160	7.20	0.85
2234	370	1980	2220	6.17	0.79
2250	420	1980	2280	5.43	0.74
2265	480	1980	2340	4.60	0.69
2278	540	1980	2400	4.44	0.65
2288	600	1980	2460	4.10	0.61
2290	670	1980	2520	3.82	0.58
2294	720	1980	2580	3.70	0.57
2302	800	1980	2700	3.07	0.49
2315	1000	1980	2940	2.72	0.44
2327	1200	1980	3120	2.40	0.39
2334	1440	1980	3300	2.22	0.35
2342	1620	1980	3480	2.15	0.33
2350	1800	1980	3600	2.03	0.31
2354	1980	1980	3640	1.94	0.29
2354	2100	1980	4020	1.67	0.22
2354	2340	1980	4200	1.79	0.25

ILLEGIBLE

TABLE I. - B Pressure Build-up Analysis, Meyer D-4 No. 22
 Oil Center Dlineory Pool, Lea County, New Mexico
 Pressure Build-up Test, October 4-9, 1962

t_w	Δt (min.)	t_o (min.)	$t_o / \Delta t$ (min.)	$\frac{t_o / \Delta t}{\Delta t}$	$\log_{10} \frac{t_o / \Delta t}{\Delta t}$
747	0	4660	4660		
977	60	4660	4740	79.0	4.36
1203	120	4660	4800	40.0	1.60
1380	180	4660	4860	27.0	1.43
1527	240	4660	4920	20.0	1.31
1731	300	4660	4980	16.0	1.22
1704	360	4660	5040	14.0	1.15
1771	420	4660	5100	12.1	1.08
1797	480	4660	5160	10.8	1.03
1827	540	4660	5220	9.7	0.99
1847	600	4660	5280	8.8	0.94
1869	660	4660	5340	8.1	0.91
1886	720	4660	5400	7.5	0.87
1923	900	4660	5560	6.2	0.79
1956	1080	4660	5760	5.33	0.73
1982	1260	4660	5940	4.71	0.67
2009	1440	4660	6120	4.25	0.63
2031	1620	4660	6300	3.89	0.59
2050	1800	4660	6480	3.70	0.56
2076	1980	4660	6660	3.36	0.52
2079	2160	4660	6840	3.17	0.50
2092	2340	4660	7020	3.00	0.48
2101	2520	4660	7200	2.68	0.45
2114	2700	4660	7380	2.73	0.43
2120	2880	4660	7560	2.63	0.42
2127	3060	4660	7740	2.53	0.40
2130	3240	4660	7920	2.44	0.39
2133	3420	4660	8100	2.37	0.38
2142	3960	4660	8640	2.18	0.33
2147	4140	4660	8820	2.13	0.32
2157	4500	4660	9180	2.04	0.31
2176	4680	4660	9360	2.00	0.30
2181	4860	4660	9540	1.96	0.292
2187	5040	4660	9720	1.93	0.282

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t_m	Δt (min.)	t_0 (min.)	$t_0 \neq \Delta t$ (min.)	$\frac{t_0 \neq \Delta t}{\Delta t}$	$10 J_{10} \frac{t_0 \neq \Delta t}{\Delta t}$
2165	5220	4880	9900	1.90	0.280
2166	5400	4880	10,080	1.85	0.267
2167	5580	4880	10,260	1.84	0.266
2169	5760	4880	10,440	1.81	0.258
2171	5940	4880	10,620	1.79	0.253
2173	6120	4880	10,800	1.78	0.246
2174	6300	4880	10,980	1.74	0.240
2175	6480	4880	11,160	1.72	0.236
2177	6660	4880	11,340	1.70	0.230
2179	6780	4880	11,460	1.69	0.228
2180	6960	4880	11,640	1.67	0.223
2186	7140	4880	11,820	1.65	0.216
2188	7320	4880	12,000	1.64	0.215
2190	7500	4880	12,180	1.62	0.210

ILLEGIBLE

Hand ... for further tests

in request temp 80-90 miles 1/2
center NE ... 1000' ...
straggles locs ... of days ...
330' to 44' ...

with 1000'

green wells only ... to 1000' ...

... 1000' ...

at 1000' upper zone only 35'
interpolation ...