

DUPLICATE

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OCT - 4 1950
OIL CONSERVATION COMMISSION

CONTINENTAL OIL COMPANY

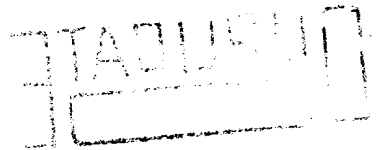
Hobbs, New Mexico
October 2, 1950

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

Dear Sirs:

As ordered in Case No. 217, Order No. 28, dated July 28, 1950, the applicant, Continental Oil Company, submits the following report of operations conducted to effect a dual completion of the E. J. Wells B-1 No. 1, Cooper-Jal Pool, Lea County, New Mexico, as an oil-gas well in the Seven Rivers and Yates formations:

1. The Seven Rivers formation was perforated from 3522' to 3526' and these perforations were acidized with 500 and 1,000 gallons acid in two stages. This zone flowed 140 barrels oil and 14 barrels water in 24 hours through a 20/64" choke on 3" tubing with 289.3 MCF gas per day for a gas-oil ratio of 2,066 cubic feet per barrel. The tubing pressure was 490 psi and the casing pressure was 1,050 psi. The bottom-hole pressure at 3510' in the Seven Rivers zone is 1,036' psi as ascertained by an Amerada pressure bomb. A plot of the pressure survey is attached.
2. A Baker model "B" retainer production packer with tubing seal was set in the 7" casing at 3507'. A cross section of the packer is attached.



CONTINENTAL OIL COMPANY

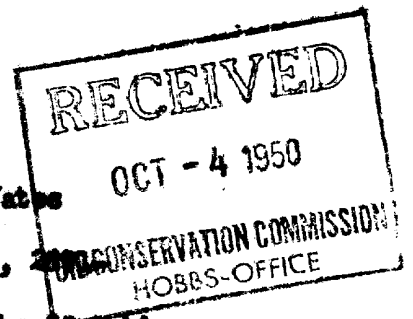
Hobbs, New Mexico
October 3, 1950

New Mexico Oil Conservation Commission
P. O. Box 311
Santa Fe, New Mexico

Dear Sirs:

As ordered in Case No. 217, Order No. 28, dated July 28, 1950, the applicant, Continental Oil Company, submits the following report of operations conducted to effect a dual completion of the N. J. Wells H-1 No. 1, Cooper-Jal Pool, Las Comas, New Mexico, as an oil-gas well in the Seven Rivers and Yates formations:

1. The Seven Rivers formation was perforated from 3525' to 3530' and these perforations were acidized with 500 and 1,000 gallons acid in two stages. This zone flowed 140 barrels oil and 14 barrels water in 24 hours through a 20/64" choke on 3" casing with 289.3 MCF gas per day for a gas-oil ratio of 2,066 cubic feet per barrel. The tubing pressure was 490 psi and the casing pressure was 1,050 psi. The bottom-hole pressure at 3510' in the Seven Rivers zone is 1,036' psi as ascertained by an Amerasia pressure bomb. A plot of the pressure survey is attached.
2. A Baker model "D" retainer production packer with tubing seal was set in the 7" casing at 3507'. A cross section of the packer is attached.



3. The casing was then perforated opposite the Yates formation in the following intervals: 2910-2924', 2896', 2866-2876', 2830-2850', and 2790-2822'. The 3" tubing was run with a side-door choke set above the packer and 2" tubing set through the packer to a total depth of 3510'. These perforations were then tested through the annulus and flowed at the rate of 550.3 MCF gas per day. The blank in the side-door choke was pulled to permit acidization of the Yates perforations with 500 gallons acid. The blank was then rerun in the side-door choke to blank-off the annulus and the oil productive Seven Rivers kicked off. A back-pressure test was taken of the Yates section which tested at the rate of 1,600 MCF gas per day after acidization with a shut-in pressure of 911.2 psi absolute. The calculated bottom-hole pressure at the bottom of the lowest perforations (2924') opposite the Yates formation is 985.2 psi absolute. A report of the back-pressure test is attached.

The data presented above and attached hereto is in evidence that the E. J. Wells B-1 No. 1 has been dually completed as an oil-gas well in the Seven Rivers and Yates formations in such a manner that there will be no co-mingling within the well bore of the hydrocarbons produced from the two separate reservoirs.

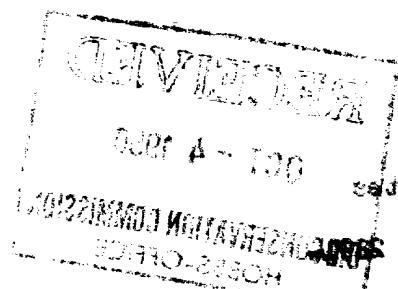
Yours truly,

A handwritten signature in cursive script, appearing to read "E. L. Shaffer".

E. L. SHAFER
Supt., New Mexico District
West Texas-New Mexico Division
Production Department

ELS-NFM

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3. The casing was then perforated opposite the Yates formation in the following intervals: 2910-2924', 2924-2930', 2930-2936', 2936-2942', 2942-2948', 2948-2954', and 2954-2960'. The tubing

was run with a side-door choke set above the packer and 2" tubing set through the packer to a total depth of 2910'. These perforations were then tested through the annulus and flowed at the rate of 250.3 MCF gas per day. The blank in the side-door choke was pulled so permit isolation of the Yates perforations with 200 gallons acid. The blank was then run in the side-door choke to blank-off the annulus and the oil productive Seven Rivers kicked off. A back-pressure test was taken of the Yates section which tested at the rate of 1,600 MCF gas per day after isolation with a shut-in pressure of 911.2 psi absolute. The calculated bottom-hole pressure at the bottom of the lowest perforations (2924') opposite the Yates formation is 982.2 psi absolute. A

report of the back-pressure test is attached.

The data presented above and attached hereto is in evidence that the N. 1. Wells B-1 No. 1 has been drilled completed as an oil-gas well in the Seven Rivers and Yates formations in such a manner that there will be no co-mingling within the well bore of the hydrocarbons produced from the two separate reservoirs.

Yours truly,

E. L. SHAVER
Supt., New Mexico District
West Texas-New Mexico Division
Production Department

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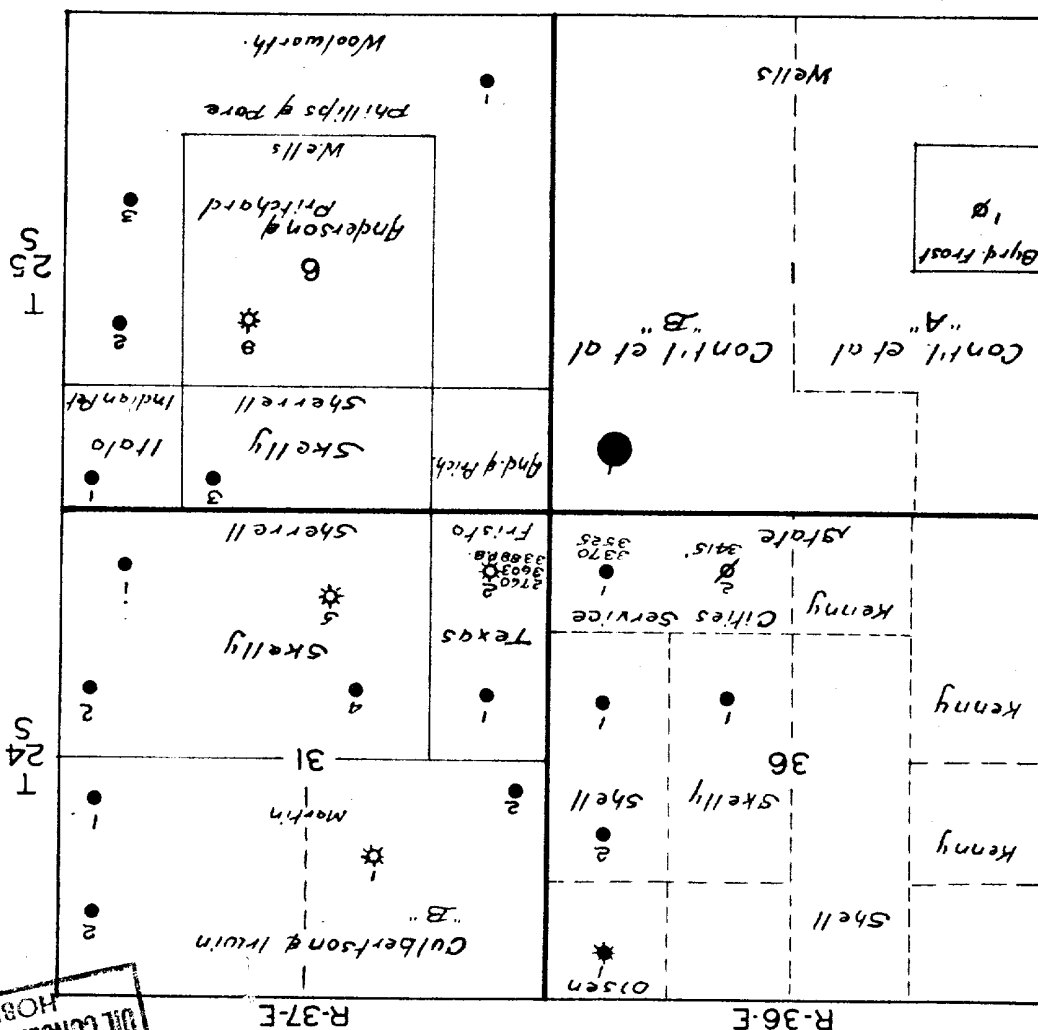
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MARCH 28..1950

N.M. DIST. OFFICE

SCALE: 1 INCH=2000 FT.

CONTINENTAL OIL CO. ET AL.
WELLS B-1 NO.1
AND
OFFSET WELLS



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HOBS-OFFICE

CONTINENTAL OIL CO.
WELLS B-1 NO.1

ELEV: 3252'

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HOBBS-OFFICE

2700

2800 TOP OF YATES

2900

3000 TOP OF T-RIVERS

3100

3200

3300

3400

3500

PACKER

3507'

D.O. 3543'

2790'

2998'

Perforated csg. 3522-36' with 4 shots/ft. Swabbed dry. Acidized w/ 500 gals. Swabbed dry. Re-acidized w/ 1000 gals. Flowed 190 BO/10 hrs, thru 3/4" choke with GOR 414. T.P. 30#. C.P. 375#.

Set production packer @ 3507' and perforated:

2790-2822'

2830-2850'

2866-2876'

2891-2896'

2910-2924'

Flowed thru annulus 580.3 MCF gas per day, no fluid, on 2-hr test. Acidized with 500 gals. Flowed 649.4 MCF per day, no fluid, on 3-hr test.

Pulled orifice & side-door choke. Re-gn blank. Completed for I.P. of 140 BO and 14 BW in 24 hours, flowing thru 20/64" choke on 3" tubing, with 289.3 MCF gas, GOR 2066. T.P. 290#. C.P. 1050#.

Dually completed as gas well for I.P. of 1600 mcf gas in 24 hrs based on 8-hr test. Shut-in BHP = 985.2 p.s.i. 463.

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SUBSURFACE PRESSURE SURVEY

CONTINENTAL OIL COMPANY E. J. Well 1-1

County Lea Field Cooper-Jal
 State New Mexico Zone Seven Rivers
 Elev., ft. 3252 Well No. 1

Depth, ft. 3252 plug
 Zone Open, ft. 3222 to 3536

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OIL CONSERVATION COMMISSION

Net Effective Pay, Est. # HOBBBS - OFFICE
 Oil String 7 # @ 3544 ft.
 Tubing 3 " 9.3 # @ 3510 ft.
 Tubing " " # @ " ft.
 Shut In 26 Hr. Oil Cr. " °API
 Oil, Net b/d " Water b/d "
 Total Gas M/d " Net M/d "
 Trap Press, #/□" ga. " High " Low (" °F)

Depth	Pressure	Temp.	Remarks
0	940		CP " lb./sq. in.
1000	967		
2000	994		
2500	1009		
3000	1022		
3452	1034		
3510	1036		

Fluid Level ft. Gas Ave. Grad. #/□"/ft. .027
 Date of Run 9-19-50 Start 10:00 : 10:30 Am

DEPTH — Thousands of feet

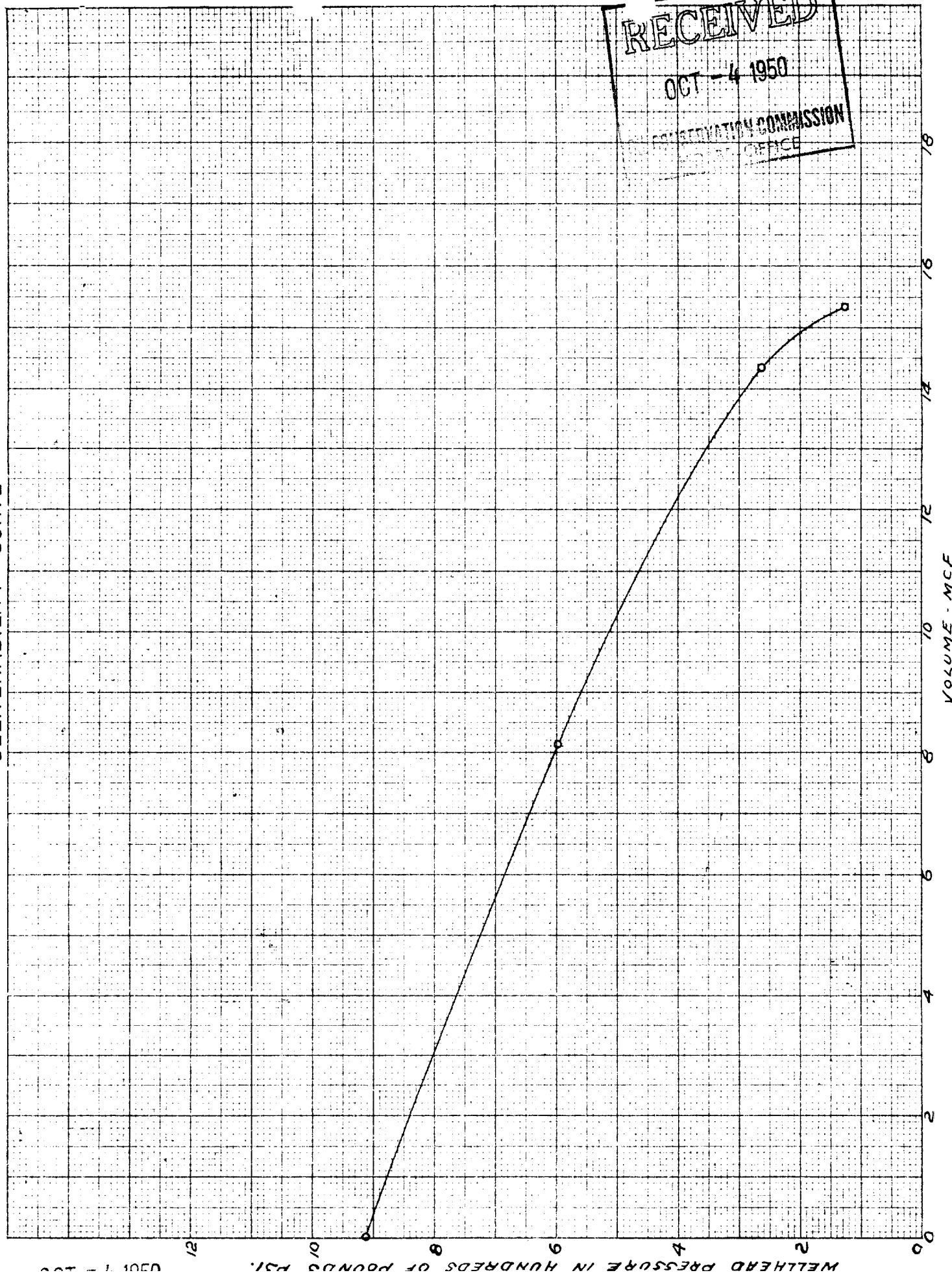
PRESSURE — Hundreds of lb./sq. in. ga.

Date: 9-19-50
 By: L.R.P.

OCT - 4 1950



WELLS B-I NO. 1 DELIVERABILITY CURVE



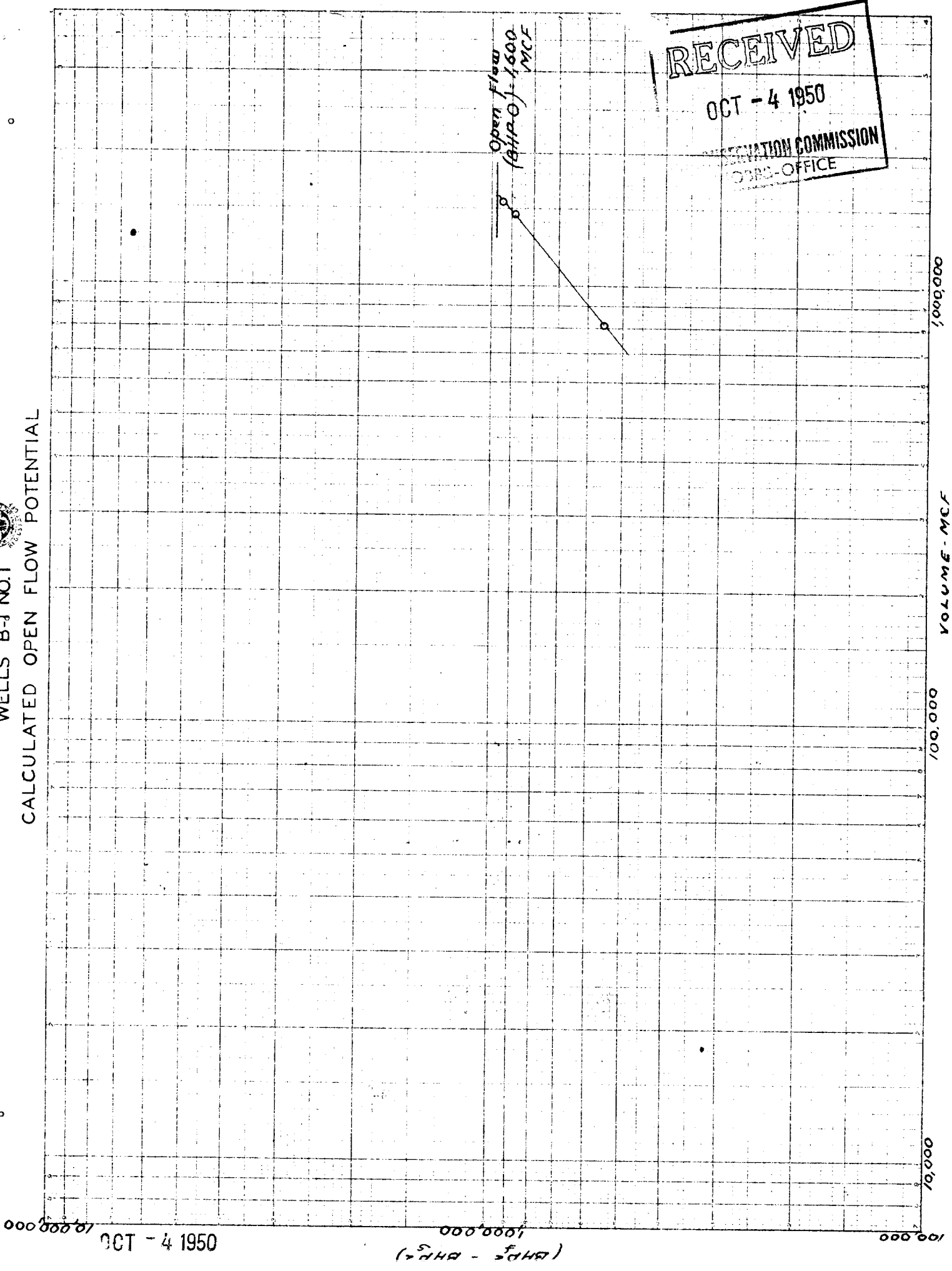
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CONSERVATION COMMISSION
FIELD OFFICE



WELLS B-J NO.1
CALCULATED OPEN FLOW POTENTIAL



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OBBG-OFFICE

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(BHP - BHP)

CONTINENTAL OIL COMPANY
BACK-PRESSURE TEST DATA
WELLS B-1 NO. 1

<u>Volume</u> <u>(Calculated MOP)</u>	<u>B.H.P.</u> <u>(Calculated PSI ABS)</u>	<u>B.H.P. 2</u>	<u>(BHP² - BHP²)</u> <u>1</u>	<u>Surface Press.</u> <u>(PSI ABS)</u>
0	985.2	970,619.04	-	911.2
811.2	647.2	418,867.84	551,751.2	598.2
1,432.7	283.2	80,202.24	890,416.8	261.2
1,533.1	135.2	18,279.04	952,340.0	125.2

Note: Volumes corrected for specific gravity and atmospheric pressure.

Date Tested: September 8, 1950

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REGISTRATION COMMISSION
OFFICE

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YOUNG JIO LATEMITION
 LUCK-REPAIRS NEW PAID
 I. OF I-2-12

Date Listed: September 8, 1960

State and appropriate persons.
 Note: Amounts collected for specific

Amount (1961-1962)	EMP - EMP 3 (EMP 3)	S. F. H. E	(S. F. H. E) (S. F. H. E)	Amount (S. F. H. E)
3.118	-	40.818,078	3.238	0
3.888	3.127,122	48,888,814	3.948	3.118
3.188	3.811,008	48,888,008	3.238	3.238,1
3.238	3.048,328	40,048,31	3.238	3.238,1

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