NEW M_ _.C_ OIL CONSERVATION CO_ _SSION
SANTA FE, NEW MEXICO

Form C-110
Revised 7/1/55

(File the original and 4 copies with the appropriate district office)

CERTIFICATE OF COMPLIANCE AND AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Company or Operator Olsen Oils, Inc. Lease Cooper

Well No. 5 Unit Letter H S 14 T 24 R 36 Pool Jalmat

County Lea Kind of Lease (State, Fed. or Patented) Patented

If well produces oil or condensate, give location of tanks: Unit H S 14 T 24 R 36

Authorized Transporter of Oil or Condensate Shell Pipeline Corporation

Address Colorado City, Texas
(Give address to which approved copy of this form is to be sent)

Authorized Transporter of Gas El Paso Natural Gas Company

Address Jal, New Mexico
(Give address to which approved copy of this form is to be sent)

If Gas is not being sold, give reasons and also explain its present disposition:

Reasons for Filing: (Please check proper box) New Well ( )

Change in Transporter of (Check One): Oil ( ) Dry Gas ( ) C'head ( ) Condensate ( )

Change in Ownership (X) Other ( )

Remarks: (Give explanation below)

Change of company name from R. Olsen Oil Company to Olsen Oils, Inc.

The undersigned certifies that the Rules and Regulations of the Oil Conservation Commission have been complied with.

Executed this the 27 day of Oct 1958

By Barbara Wilson

Approved _____ 19___

Title Production Foreman

OIL CONSERVATION COMMISSION

Company Olsen Oils, Inc.

By _____

Address Box 691

Title _____

Jal, New Mexico

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122
Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool **Jalmat** Formation **Yates** County **Lea**

Initial ____ Annual ____ Special **X** Date of Test **4-8/4-12-1957**

Company **R. Olsen Oil Company** Lease **Cooper** Well No. **5**

Unit **H** Sec. **14** Twp. **24** Rge. **36** Purchaser **El Paso Natural Gas Company**

Casing **7"** Wt. **23.0** I.D. ____ Set at **2968** Perf. ____ To ____

Tubing **2 1/2** Wt. **6.5** I.D. ____ Set at **1875** Perf. ____ To ____

Gas Pay: From **3010** To **3215** L **1875** xG **0.650** -GL **1219** Bar.Press. **13.2**

Producing Thru: Casing ____ Tubing **X** Type Well **Single**
Single-Bradenhead-G. G. or G.O. Dual

Date of Completion: **12-13-1949** Packer ____ Reservoir Temp. ____

OBSERVED DATA

Tested Through ~~(Prover) (Choke)~~ (Meter) Type Taps ____

No.	~~(Prover)~~ (Line) Size	~~(Choke)~~ (Orifice) Size	Flow Data Press. psig	Diff. h_w	Temp. °F.	Tubing Data Press. psig	Tubing Data Temp. °F.	Casing Data Press. psig	Casing Data Temp. °F.	Duration of Flow Hr.
SI						510		510		72
1.	4	1.250	223	10.24	59	407		477		24
2.	4	1.250	242	21.16	66	375		458		24
3.	4	1.250	233	32.49	70	331		445		24
4.	4	1.250	224	40.32	55	290		433		24
5.										

FLOW CALCULATIONS

No.	Coefficient flg (24-Hour)	$\sqrt{h_w p_f}$	Pressure psia	Flow Temp. Factor F_t	Gravity Factor F_g	Compress. Factor F_{pv}	Rate of Flow Q-MCFPD @ 15.025 psia
1.	9.643	49.16		1.0010	.9608	1.024	466
2.	9.643	73.46		.9943	.9608	1.024	692
3.	9.643	89.40		.9905	.9608	1.022	839
4.	9.643	97.76		1.0048	.9608	1.024	933
5.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio ____ cf/bbl. Specific Gravity Separator Gas **0.650**

Gravity of Liquid Hydrocarbons ____ deg. Specific Gravity Flowing Fluid ____

F_c **Measured** $(1-e^{-s})$ ____ P_c **523.2** P_c^2 **273.7**

No.	~~Pw~~ Pt (psia)	P_t^2	F_cQ	$(F_cQ)^2$	$(F_cQ)^2$ $(1-e^{-s})$	P_w^2	$P_c^2-P_w^2$	~~Calc.~~ ~~Pw~~	~~Pw~~ ~~Pc~~
1.	420.2	176.6				240.3	33.4		
2.	388.2	150.7				222.0	51.7		
3.	344.2	118.5				209.9	63.8		
4.	303.2	91.9				199.1	74.6		
5.									

Absolute Potential: **1,200** MCFPD; n **0.921**

COMPANY **R. Olsen Oil Company**

ADDRESS **2805 Liberty Bank Building, Oklahoma City, Oklahoma**

AGENT and TITLE **Philip Randolph, Vice President**

WITNESSED ____

COMPANY ____

REMARKS

INSTRUCTIONS

This form is to be used for reporting multi-point back pressure tests on gas wells in the State, except those on which special orders are applicable. Three copies of this form and the back pressure curve shall be filed with the Commission at Box 871, Santa Fe.

The log log paper used for plotting the back pressure curve shall be of at least three inch cycles.

NOMENCLATURE

Q = Actual rate of flow at end of flow period at W. H. working pressure (P_w). MCF/da. @ 15.025 psia and 60° F.

P_c = 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater. psia

P_w = Static wellhead working pressure as determined at the end of flow period. (Casing if flowing thru tubing, tubing if flowing thru casing.) psia

P_t = Flowing wellhead pressure (tubing if flowing through tubing, casing if flowing through casing.) psia

P_f = Meter pressure, psia.

h_w = Differential meter pressure, inches water.

F_g = Gravity correction factor.

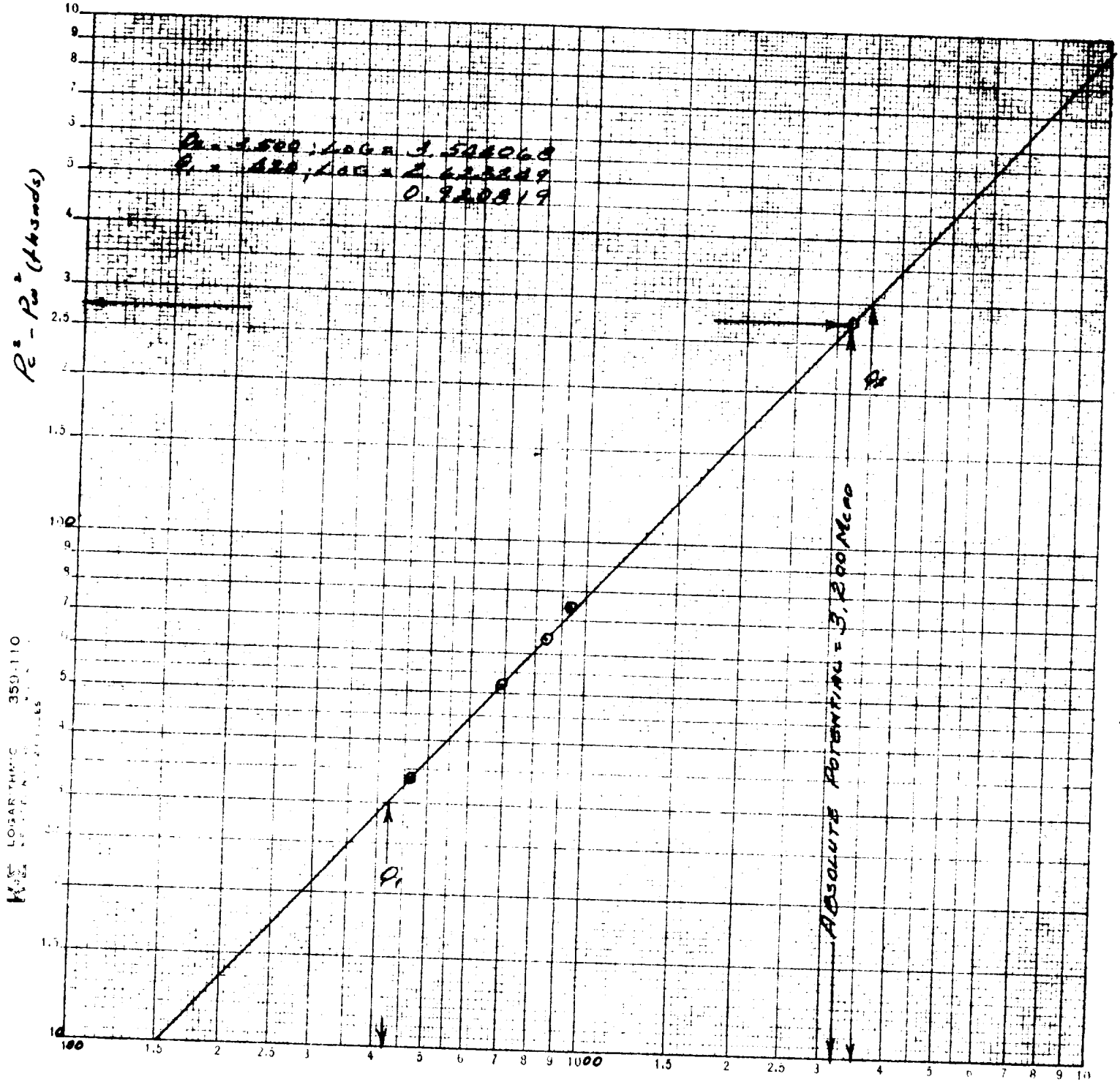
F_t = Flowing temperature correction factor.

F_{pv} = Supercompressability factor.

n = Slope of back pressure curve.

Note: If P_w cannot be taken because of manner of completion or condition of well, then P_w must be calculated by adding the pressure drop due to friction within the flow string to P_t.

R. OLSEN OIL CO.
COOPER NO 5
H-14-24-36 LEA NM
4-12-1957



Q - MCFD 15.025 PSIA 60° F

OIL CONSERVATION COMMISSION

BOX 2045

HOBBS, NEW MEXICO

MAIN OFFICE OCC

1956 MAR 23 AM 8:38

Date_____

Gentlemen:

An incidental oil allowable is currently being assigned to your _____ lease, Well No._____, S.T.R. _____, Pool_____ which is classified as a gas well and currently listed in the gas proration schedule. Due to the fact that the definition of a gas well is determined by the Gas-Oil Ratio it is necessary for the Commission to have complete information in the file to support the status of the well.

With this in mind you are hereby directed to conduct a Gas-Oil Ratio Test on the above numbered well by _____ date and submit the result of the test on form C-116 within 15 days of the date of the test. You are also requested to notify the Commission at least 24 hours prior to the beginning of the test period.

Yours very truly,

OIL CONSERVATION COMMISSION

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	303	303	Redbed
303	486	183	Shale
486	719	233	Sand & Gip
719	1188	469	Redbed
1188	1305	117	Anhy
1305	2721	1416	Salt & Anhy
2721	2786	65	Salt
2786	2870	84	Anhy
2870	3047	177	Anhy & Lime
3047	3103	56	Sand & Lime
3103	3134	31	Lime
3134	3165	31	Sand & Lime
3165	3500 TD	335	Lime

Plug back from 3500 to 3170 with 50 sacks of cement, plug set at 3304 to 3170.