NEW MEXICO
OIL CONSERVATION COMMISSION

4-1-56

PACKER LEAKAGE TEST

Operator Sunray Mid-Continent Oil Co. Pool (Upper Completion) Tubb Gas
Lease Linam-Hardy Well 3 Pool (Lower Completion) ~~Drinkard~~ Blinebry
Location: Unit A, S. 29, T21S, R 37E Lea County, N. M.

Pre-Test Shut-In

	Upper Completion	Lower Completion
Shut-in at (hour, date)	8:00 AM 4-27-57	8:00 AM 4-27-57
Pressure stabilized at (hour, date)	8:00 AM 4-30-57	8:00 AM 4-27-57
Length of time required to stabilize (hours)	72 Hrs - Not Recorded	

Flow Test No. 1

Test commenced at (hour, date) 9:30 AM 4-27-57. Choke size 32/64
Completion producing Blinebry Completion shut-in Tubb

	Upper Completion		Lower Completion	
Stabilized pressure at beginning of test	1799	psi	1474	psi
Maximum pressure during test	1799	psi	1474	psi
Minimum pressure during test	1040	psi	1474	psi
Pressure at end of test	1040	psi	1474	psi
Maximum pressure change during test	759	psi	1474	psi

Oil flow rate during test: 4.5 BOPD based on 118 BO in 24 hours.
Gas flow rate during test: 4639 MCFPD based on 4639 MCF in 24 hours.

Mid-Test Shut-In

	Upper Completion	Lower Completion
Shut-in at (hour, date)	10:30 PM 4-30-57	8:00 AM 4-27-57
Pressure stabilized at (hour, date)	5:00 AM 5-2-57	-
Length of time required to stabilize (hours)	18 Hours	-

Flow Test No. 2

Test commenced at (hour, date) 7:00 AM 5-2-57. Choke size 20/64
Completion producing Tubb Completion shut-in 9:00 AM 5-3-57

	Upper Completion		Lower Completion	
Stabilized pressure at beginning of test	1660	psi	1474	psi
Maximum pressure during test	1660	psi	1474	psi
Minimum pressure during test	1660	psi	300	psi
Pressure at end of test	1660	psi	300	psi
Maximum pressure change during test	0	psi	1174	psi

Oil flow rate during test: 0 BOPD based on 0 BO in 24 hours.
Gas flow rate during test: 627 MCFPD based on 627 MCF in 24 hours.

Test performed by Charles Beal Title Agent

Witnessed by Mr. Clegg Title Prod. Foreman

REMARKS:

NOTE: Recording gauge pressure charts, test data sheet, and a graphic depiction of all phases of the test shall be submitted with this report.

AFFIDAVIT:

I HEREBY CERTIFY that all conditions prescribed by Oil Conservation Commission of the State of New Mexico for this packer leakage test were complied with and carried out in full, and that all dates and facts set forth in this form and all attached material are true and correct.

Charles Beal Charles Beal For Beal-Coleman Engineering Company
(Representative of Company Making Test) (Company Making Test)

SWORN TO AND SUBSCRIBED before me this the 7th day of May, 19 57

Greta L. Campbell
Notary Public in and for the County of Lea
State of New Mexico.

MY COMMISSION EXPIRES OCTOBER 15, 1960

(OVER)

INSTRUCTIONS
(SOUTHEAST NEW MEXICO ONLY)

1. At least 24 hours prior to the commencement of this test, the operator shall notify the District Office of the Oil Conservation Commission in writing of the exact time said test is to be commenced.

2. The packer leakage test shall commence with both sides of the completion shut-in. Both sides of the completion must be shut-in a sufficient length of time to allow for complete stabilization of both wellhead pressures, and for a minimum of 2 hours thereafter- this minimum of 2 hours shut-in must show on the charts of the pressure recorder and also must appear on the data sheet.

3. For Flow Test No. 1, one side of the dual completion shall be produced with the other side shut-in. Such test shall be continued until the flowing wellhead pressure has become stabilized and for a minimum of 2 hours thereafter, and shall be at a rate of flow approximating the normal rate of flow for the zone being produced.

4. Following the completion of flow test No. 1, the well will again be shut-in, and remain so until the wellhead pressures have again become stabilized and for a minimum of 2 hours thereafter.

5. Flow Test No. 2 shall be performed with the previously shut-in side of the dual completion flowing and with the flowing side of the completion used in test number 1 remaining shut-in. This test shall be conducted exactly as outlined under Flow Test No. 1, and must be performed even though no leak was indicated by Flow Test No. 1.

6. All pressures, throughout the entire test, must be continuously measured and recorded with recording pressure gauges.

7. The accuracy of the recording gauges shall be checked at regular intervals throughout the test with a dead weight test gauge, and such readings shall be recorded on the test data sheet provided.

8. For any well on which the wellhead pressures will not stabilize in (24) twenty four hours or less, the minimum producing or shut-in time allowed for stabilization shall be (24) twenty-four hours.

9. This form must be completed and filed in duplicate with the District Office of the Oil Conservation Commission within 15 days following the completion of the testing, and must be accompanied by:

   a. all of the charts, or copies thereof, used on the pressure recorders during the test.

   b. the test data-sheet (s), or copies thereof, required under paragraph 7 above.

   c. a graph depicting the pressures and their changes, for both sides of the completion over the entire test.

10. This packer leakage test shall be performed upon dual completion of any new wells so approved by the Commission. This test shall also be required each year during the annual GOR test for the lowermost oil zone or oil pool so concerned. The Commission may also request packer leakage tests at any time they feel that a new test is desirable.

NEW MEXICO
OIL CONSERVATION COMMISSION

PACKER LEAKAGE TEST

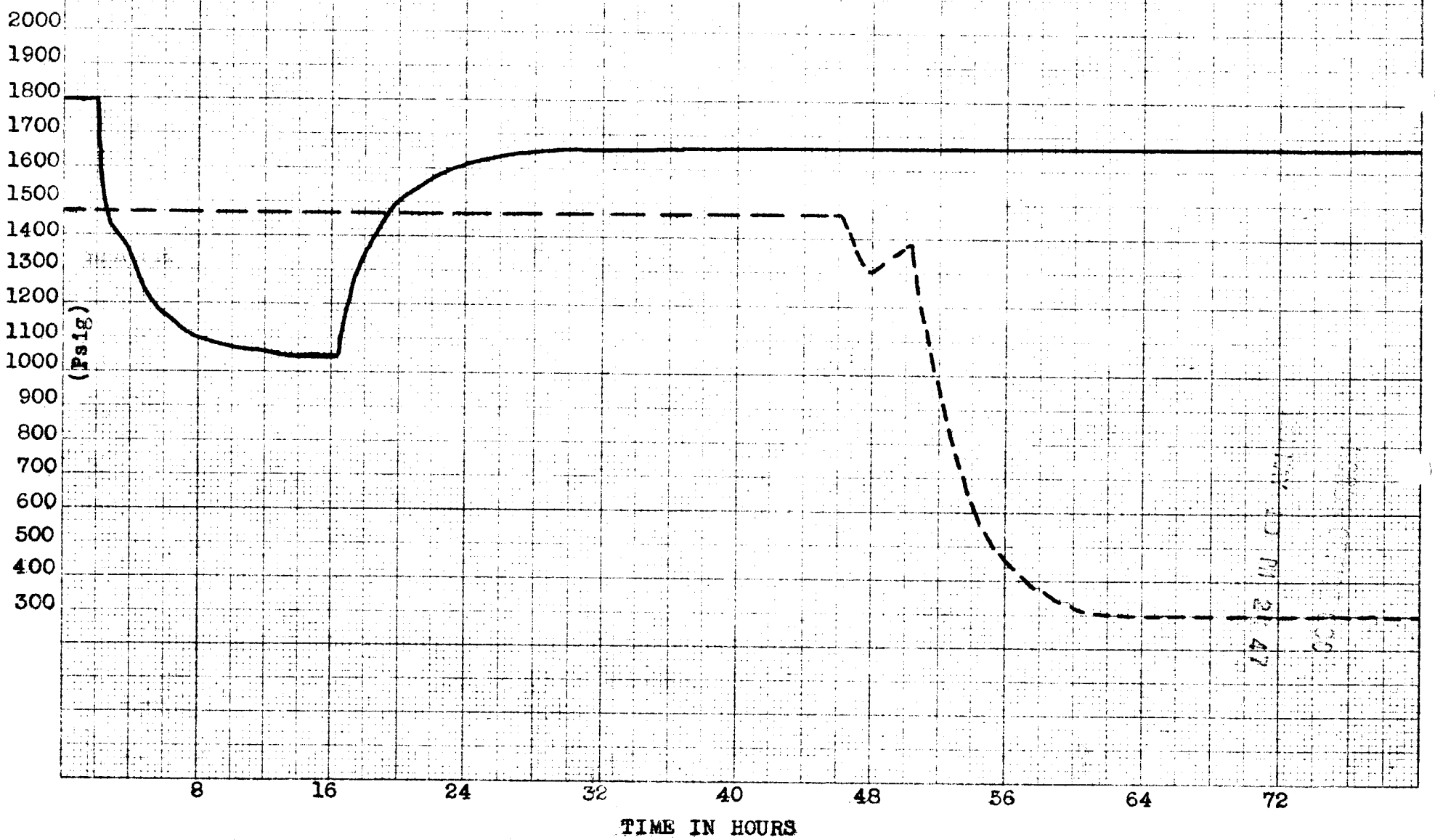
OPERATOR Sunray Mid-Continent Oil Company
LEASE NAME Linam-Hardy WELL NO. 5
LOCATION Sec. 29, Township 21S, R 37E. COUNTY Lea

TEST DATA SHEET

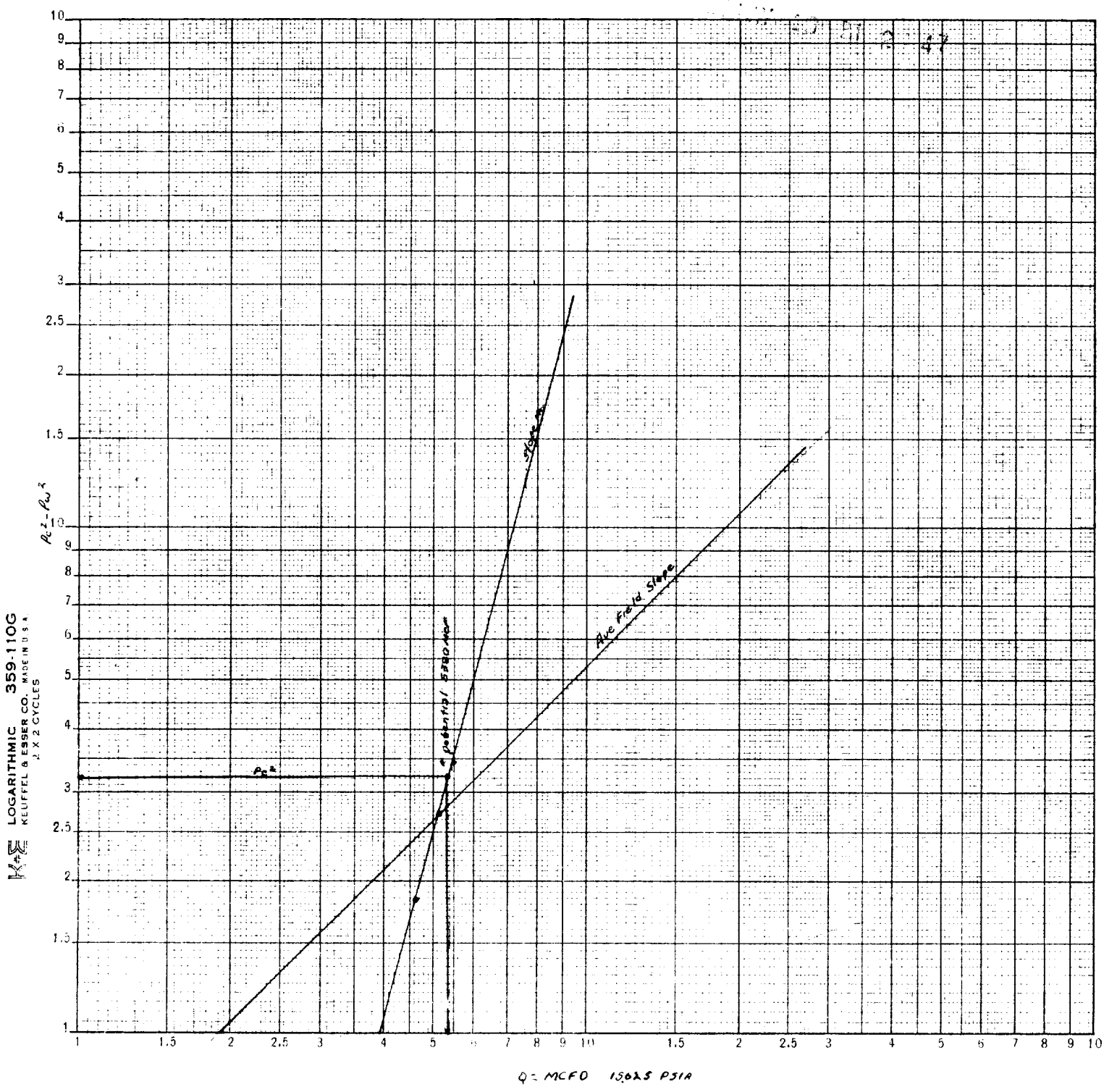
Time	Casing Pressure	Tubing Pressure	Remarks
4-30-57			
8:30 AM	1799	1474	Static Readings
9:30	1799	1474	Open Blinebry well on 30/64" choke - 3/4"
			orifice in critical flow prover
3:20 PM	1105	1474	Stabilized on 3/4" plate - oil = 4.50 bbl/hr
			temp 42°F DWT @ prover 373. Sep Pres 485
			Open well on 1" plate
10:30 PM	1040	1474	Stabilized on 1" plate - oil = 4.50 bbl/hr
			temp 32°F DWT @ prover = 226 Sep Pres 400
			Shut well in for mid-point test
5-1,2-57			
7:00 AM	1660	1474	Well stabilized on both Tubb and Blinebry
			sides. Open Tubb side to pit on 20/64"
			choke
5-3-57			
9:00 AM	1660	300	Well stabilized on 20/64" choke/rate =
			627 MCF/D. Finish Test.
			NO INDICATION OF PACKER LEAK

COMPANY Sunray Mid-Continent Oil Company
WELL Linam-Hardy No. ~~3~~ 1
LOCATION Sec. 29, Township 21S, R 37E
COUNTY Lea
DATE April 30, 1957

PACKER LEAKAGE TEST GRAPH



COMPANY	Sunray Mid-Con' ent Oil Company
WELL	Linam-Hardy No. 1
LOCATION	Sec. 29, Township 21S, R 37E
COUNTY	Lea
DATE	April 30, 1957



DAY
NIGHT
5-8-57
79888
RICHARD BARR, INC.