r NEW MEXICO OIL CONSERVATION COMMISSION

1-1

4-1-56

PACKER TH	AKAGE TEST	4-1-56
Operator Phillips Petroleum Company Po	ool (Upper Completio	nt), Vacuum (Yates)
Lease Senta Fe Well 15 Pe	ool (Lower Completio	n) Vacuum (San Andres)
Location: Unit B_, S. 34, T173, R35B,		Lon County, N. H
Pre-Tes:	t_Shut-In	
	Upper Complet	ion Lower Completion
Shut-in at (hour, date)	8 AM 7-2-58	8 AN 7-2-58
Pressure stabilized at (hour, date)	8 AM 7-3-58	9 AM 7-2-58
Length of time required to stabilize (hours	) <u>24 hours</u>	1 hour
Flow Te:	st No. 1	
Test commenced at (hour, date) 4:45 PM	7-3-58	Chairs size Permine
Completion producing San Andres Comple	tion shut_in Iste	. Choke size Pamping
		Lower Completion
Stabilized pressure at beginning of test	275 n	si <b>200</b> psi
Maximum pressure during test	<b>275</b> m	si <b>200</b> psi
Minimum pressure during test	275	si 25 psi
Pressure at end of test Maximum pressure change during test	<u>275</u> p	si <b>25</b> psi si <b>175</b> psi
Oil flow rate during test: <b>238</b> BO <sup>D</sup> D base	ed on 39.64 BO	
Gas flow rate during test: 69.397 MCFPD bas	sed on 11.566 MCF	
	Shut-In	inour c
	Upper Complet:	ion Lower Completion
Shut-in at (hour, date)		58 9:20 PM 7-3-58
Pressure stabilized at (hour, date)	8:15 AM 7-4-	58 2:00 AN 7-4-58
Length of time required to stabilize (hours)	11 hears	4-1/2 hears
Flow Tes	<u>t No. 2</u>	
Test commenced at (hour, date) 1:15 PM	7-4-58	. Choke size 13/64*
Completion producing TatesComp		Andres
Stabilized was an in the second	Upper Completion	Lower Completion
Stabilized pressure at beginning of test	•• <u>350</u> ps	sipsi
Maximum pressure during test Minimum pressure during test		
Pressure at end of test	<u> </u>	POT -
Maximum pressure change during test	<u>190</u> ps <u>385</u> ps	The local distance of the second distance of
OIL Flow rate during test: <b>BOPD</b> base	don <b>66</b> BO i	
Cas flow rate during test: 52.1 MCFPD bas	ed on 52.1 MCF	
Test performed by B. B. Allen	Title Sub-Fer	
Witnessed by		ar a - California a chairte ann an Annaichte ann an Annaichte ann an Annaichte ann an Annaichte ann ann ann ann
REMARKS: Well produced through dual string		
Pressure recorded from tubing str	ing of both complete	0.02

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.

B.E. allin	For_	Phillips	Petroleum Ce	apany	
(Representative of Company Making Test)			(Company Maki	ing Test)	
SWORN TO AND SUBSCRIBED before me this the		day of	July	, 19 <u>58</u>	
MY COMMISSION EXPIRES AUGUST 28, 196	•	Notary Publi State of	ic in and for	the County of	Lea

## 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.

Market and a second second

## NEW MEXICO OIL CONSERVATION COMMISSION SANTA FE, NEW MEXICO

6-1-56

(Dual Completions)
STATE OF New Mexico
County of Lea )ss
<b>B. B. Allen</b> , being first duly sworn according to law, upon his oath deposes and says:
That he is of lawful age and has full knowledge of the facts herein below set out.
That he is employed by Phillips Petroleum Companyin the capacity
of <u>Sub-Foreman</u> and as such is its authorized agent.
That on June 20 , 1958 , he personally supervised the setting of
a Baker Medel 415-D Preduction Packer in Phillips Petroleum Company 's (Make and Type of Packer) (Operator)
Santa FeWell No, located in Unit
(lease) LetterB, Section34_, Township17S, Range_35E, NMPM,
Lea County, New Mexico.
That said packer was set at a subsurface depth offeet,

said depth measurement having been furnished by Ram Quns Inc.

That the purpose of setting this packer was to effect a seal in the annular space between the two strings of pipe where the packer was set so as to prevent the commingling, within the well-bore, of fluids produced from a stratum below the packer with fluids produced from a stratum above the packer. That this packer was properly set and that it did, when set, effectively and absolutely seal off the annular space between the two strings of pipe where it was set in such manner as that it prevented any movement of fluids across the packer.

	Phillips Petroleum Company
	(Company)
	(its Agent)
Subscribed and sworn to before me this the	<b>U</b> ,
	Notary Public in and for the County of Lea
My Commission Expires August 28, 1961	