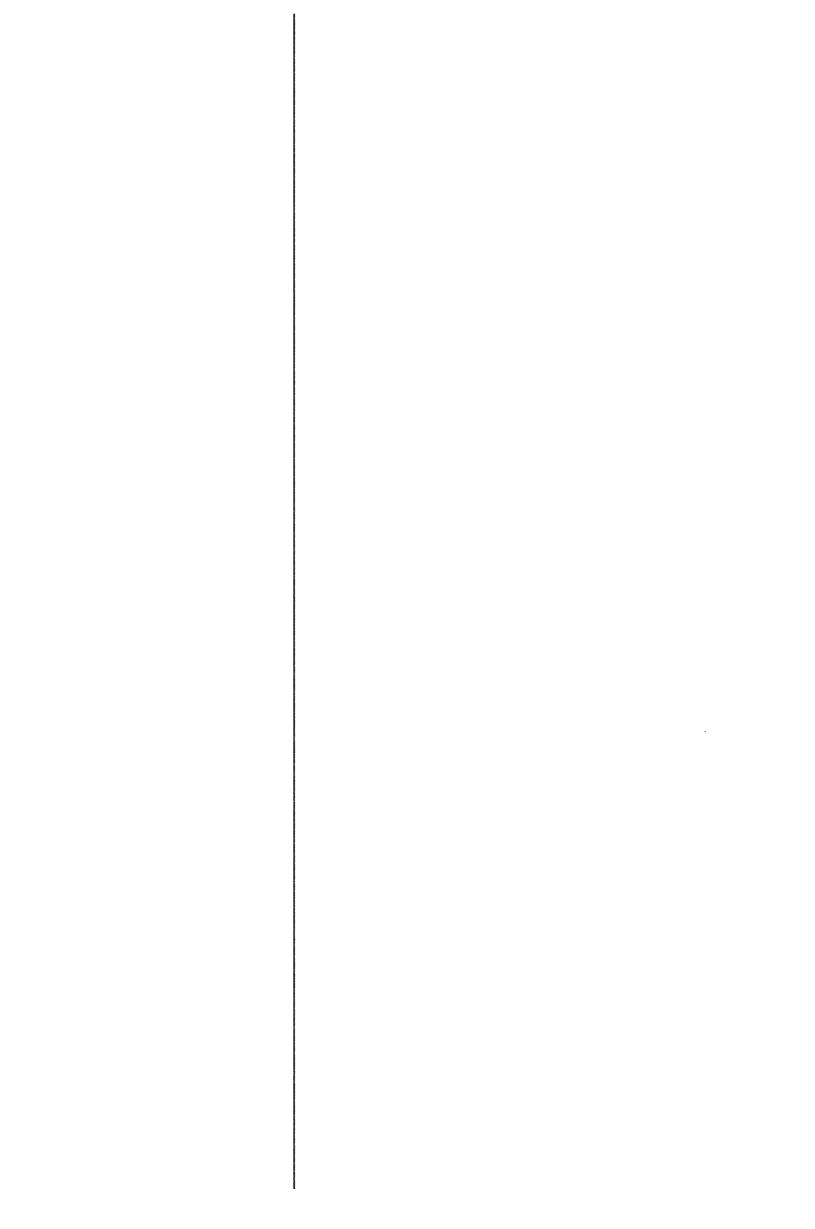
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## NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

	6	<u>,</u>	•			Well
Operator Location	Amerada Hess	Corporation		_Lease <u>Jicarill</u>	a Apache "A"	No4
ocacion of Well:	Unit P Sec.	26 Twp. 2	5 N	Rge. 5 W	County	7 Rio Arriba
	Unit P Sec.		Type of Pr	od. Method	of Prod.	Prod. Medium
Indon	Name of Rese	ervoir or Poo	l (Oil or Ga	s) (Flow or a	Art. Lift)	(Tbg. or Csg.)
Joper Completion Lower	P. C.		Gas	Flow		Casing
Lower Completion	Chacra		Gas	Flow		Tubing
			-FLOW SHUT-IN			7
Jopen Hour	r, date nut-in 2/22/81	Lengt	h of hut-in 5 da	SI pres ys psig	s. 305	Stabilized? (Yes or No) Yes
Lower Hour	date	Lengt	h of	Sī pres	3.	Stabilized?
Compl Sc	r, date nut-in 2/22/81	time s		ys psig	418	(Yes or No) No
'orman cod	at (hour, date)	) 상	FLOW TEST		oducing (Upps	er or Lower):
Time	Lapsed time	Pr	essure	Prod. Zone	July Coppe	
hour, dat	e) since∻	Upper Compl	. Lower Compl	· Temp.	Rer	narks
2/23	24	250	250			
2/24	48	300	375			
2/25	72	305	4,18			
2/26	96	305	125		Open Ch	acra
2/27	120	305	110			
					·	
Ompl Hour Compl Sh Cower Hour	nut-in , date	time s	h of	SI press psig SI press		Stabilized? (Yes or No) Stabilized?
Compl Sh	nut-in	time s	hut-in FLOW TEST	psig		(Yes or No)
Commenced	at (hour, date)	) <del>**</del>		Zone pro	oducing (Uppe	er or Lower):
Time	Lapsed time	Pr	essure	Prod. Zone	Dor	narks
hour, dat	(e) since **	Upper Compl	. Lower Compl	. Temp.		MIKS
<del></del>					<u> </u>	
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						And the second s
roduction	rate during to	est	ב הראם	n Hne	Grove	ମନ
лт: as:	BOPD 1	MCFPD: Test	ed thru (Orifi	ce or Meter):	OT GA +	
			•			
EMARKS:_						
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			horein contai	ned is true an	d complete to	the best of my
mowledge.			•	ΑΜΕΡΛΊΛ Η	SS CORPORAT	r O N
		_ 1981	Oπ.~	ייי העובוערוים אמדע	-00 0000 0000	LON
pproved:	JUN 5	, - 1981 19		ator AMERADA HI		LOW
pproved:		,-1981 lon Commissi		Tracy D. Tenis		LON
Approved: New Mexic	JUN 5	ion Commissi	on By_		on	ON

## NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Operator	AMERADA HE	SS CORPORATI	ON Le	ase Jicar	illa Apache	Well "A"No. 4		
Location								
of Well: U	mit P Sec	26 Two. 25N	Rge Type of Prod.	• DW Mothod	County	Prod. Medium		
	Name of Rese	rvoir or Pool	(Oil or Gas)	(Flow or	Art. Lift)	(Tbg. or Csg.	.)	
	Pictured C	liffs	Gas	Flow		Casing		
Lower Completion	Chacra		Gas	Flow		Tubing		
<u> </u>			LOW SHUT-IN PRE	SSURE DATA				
Upper Hour,	date 6/13/82	Length	of t-in 5 days	SI pre	280	Stabilized?	Vec	
Lower Hour,	nt-in 6/13/82	Length		psig  SI pre:		(Yes or No) Stabilized?	162	
Compl Shu	t-in 6/13/82	time shu	t-in 3 days	psig	422	(Yes or No)	No	
Compand	+ (hour date)		FLOW TEST NO		roducing (Uppe	r or Lower).		
Time			Pressure		Prod. Zone			
(hour, date	e) since*	Upper Compl.	Lower Compl.	Temp.	Rem	arks		
6/14	24	240	400					
6/15	48	260	420			·		
6/16	72	270	422					
6/17	96	280	140		Open Chacı	ra		
6/18	120	280	120					
•	ALL PROPERTY OF THE PROPERTY O							
Froduction	rate during te	st	Dhla in	Um	Cma	·· COD		
Gas: 58	5020 0	MCFPD: Tested	Bbls. in thru (Orifice o	r Meter):	Orifice	V • GOR	<del></del>	
		T-QIM	EST SHUT-IN PRE	SSURE DATA	<del></del>			
Compl Shi		Length time shu		SI pres		Stabilized? (Yes or No)		
Lower Hour,	date	Length	of	SI pres	3S•	Stabilized?		
Compl Shi		t time chi	+ :-					
	it-in	1 CLINE SHU	t-in		,	(Yes or No)	<del> </del>	
Commencei a			FLOW TEST NO	. 2		(Yes or No)		
Commenced a	t (hour, date)	**   Pres	FLOW TEST NO	Zone pr Prod. Zone	roducing (Uppe	r or Lower):		
Commenced a Time Thour, date	t (hour, date)	**   Pres	FLOW TEST NO	Zone pr Prod. Zone	roducing (Uppe	r or Lower):		
Commenced a Time Thour, date	t (hour, date)	**   Pres	FLOW TEST NO	Zone pr Prod. Zone	roducing (Uppe	r or Lower):		
Commenced a Time Thour, date	t (hour, date)	**   Pres	FLOW TEST NO	Zone pr Prod. Zone	roducing (Uppe	r or Lower):		
Commenced a Time Thour, date	t (hour, date)	**   Pres	FLOW TEST NO	Zone pr Prod. Zone	roducing (Uppe	r or Lower):		
Commenced a Time Thour, date	t (hour, date)	**   Pres	FLOW TEST NO	Zone pr Prod. Zone	roducing (Uppe	r or Lower):		
Commenced a Time Thour, date	t (hour, date)	**   Pres	FLOW TEST NO	Zone pr Prod. Zone	roducing (Uppe Rem	r or Lower): arks		
Commenced a Time Thour, date	t (hour, date)	**   Pres	FLOW TEST NO	Zone pr Prod. Zone	Rem  JUL 6	r or Lower): arks		
Commenced a Time Thour, date	t (hour, date)	**   Pres	FLOW TEST NO	Zone pr Prod. Zone	Rem  JUL 6	r or Lower): arks  1982 N. COM		
Thour, date	t (hour, date)   Lapsed time   since **	** Pres Upcer Compl.	FLOW TEST NO	Zone pr Prod. Zone	Rem  JUL 6	r or Lower): arks  1982 N. COM		
Production	t (hour, date)   Lapsed time   since **	Pres Upper Compl.	FLOW TEST NO	Zone pr Prod. Zone Temp.	roducing (Uppe Rem JUL 6 OIL COR DIS	r or Lower): arks  1982 N. COM.		
Production	t (hour, date)   Lapsed time   since **	Pres Upper Compl.	FLOW TEST NO	Zone pr Prod. Zone Temp.	roducing (Uppe Rem JUL 6 OIL COR DIS	r or Lower): arks  1982 N. COM.		
Production	t (hour, date)   Lapsed time   since **	Pres Upper Compl.	FLOW TEST NO	Zone pr Prod. Zone Temp.	roducing (Uppe Rem JUL 6 OIL COR DIS	r or Lower): arks  1982 N. COM.		
Production Cil: Gas:	t (hour, date)   Lapsed time   since **	Pres Upper Compl.  st ased on MCFPD; Tested	FLOW TEST NO	Zone pr Prod. Zone Temp.	roducing (Uppe Rem JUL 6 OIL COR DIS	r or Lower): arks  1982 N. COM.		
Production Oil: Gas: REMARKS:	t (hour, date)   Lapsed time   since **   rate during te   30PD b	** Pres Upper Compl.  st ased on MCFPD; Tested	Bbls. in thru (Orifice	Zone prod. Zone prod. Zone Temp.  Hrs. or Meter):	roducing (Uppe Rem  JUL 6 OIL COL DIS	r or Lower): arks  1982 N. COM. T. 3  GOR		
Production Cil: Gas:  REMARKS:	t (hour, date)   Lapsed time   since **   rate during te   3070 b	** Pres Upper Compl.  st ased on MCFPD; Tested	FLOW TEST NO	Zone prod. Zone prod. Zone Temp.  Hrs. or Meter):	roducing (Uppe Rem  JUL 6 OIL COL DIS	r or Lower): arks  1982 N. COM. T. 3  GOR		
Production Cil: Gas: REMARKS: I hereby ce knowledge.	t (hour, date) Lapsed time s) since **  rate during te 30PD b	Pres Upper Compl.  st ased on MCFPD; Tested	Bbls. in thru (Orifice	Zone prod. Zone Temp.  Hrs. or Meter):	roducing (Uppe Rem  JUL 6 OIL COL DIS	r or Lower): arks  1982 N. COM. T. 3  GOR		
Production Oil: Gas: Thereby ce knowledge. Approved:	t (hour, date) Lapsed time s) since **  rate during te 30PD b	Pres Upper Compl.  st ased on MCFPD; Tested	Bbls. in thru (Orifice	Zone prod. Zone Temp.  Hrs. or Meter):  is true as AMERA	JUL 6 OIL COM DIS  Grav.  DA HESS COR	r or Lower): arks  1982 N. COM. T. 3  GOR		
Production Oil: Gas:  Thereby ce knowledge.  Approved: New Mexico	t (hour, date)   Lapsed time   since **   rate during te   BOPD b	st ased on MCFPD; Tested  information h  information h  information h	Bbls. in thru (Orifice operato	Zone prod. Zone prod. Zone Temp.  Hrs. or Meter):  is true as a management of the content of the	Grav.  Grav.  Add complete to DA HESS COR	r or Lower): arks  1982 N. COM. T. 3  GOR  the best of reportation		
Production Oil: Gas: REMARKS: I hereby ce knowledge. Approved: New Mexico	t (hour, date) Lapsed time s) since **  rate during te 30PD b	st ased on MCFPD; Tested  information h  information h  information h	Bbls. in thru (Orifice operato	Zone prod. Zone prod. Zone Temp.  Hrs. or Meter):  is true as a management of the content of the	JUL 6 OIL COM DIS  Grav.  DA HESS COR	r or Lower): arks  1982 N. COM. T. 3  GOR  the best of reportation		



- A packer leakage test shall be commenced on each multiply completed well within seven days after actual completion of the well, and annually thereafter as prescribed by the order authorizing the multiple completion. Such tests shall also be commenced on all multiple completions within seven days following recompletion and/or chemical or fracture treatment, and whenever remedial work has been done on a well during which the packer or the tubing have been disturbed. Tests shall also be taken at any time that communication is suspected or when requested by the Commission.
- At least 72 hours prior to the commencement of any packer leakage test, the operator shall notify the Commission in writing of the exact time the test is to be commenced. Offset operators shall also be so notified.
- 3. The packer leakage test shall commence when both zones of the dual completion are shatten for pressure stabilization. Both zones shall remain sout-in until the well-head pressure in each has stabilized, provided however, that they need not remain shut-in more than seven days.
- 4. For Flow Test No. 1, one zone of the dual completion shall be produced at the normal rate of production while the other zone remains shut-in. Such test shall be continued for seven days in the case of a gas well and for 24 hours in the case of an oil well. Note: If, on an initial packer leakage test, a gas well is being flowed to the atmosphere due to the lack of a pipeline connection the flow period shall be three hours.
- 5. Pollowing completion of Flow Test No. 1, the well shall again be shutin, in accordance with Paragraph 3 above.
- 6. Flow Test No. 2 shall be conducted even though no leak was indicated furing Flow Leat No. 1. Procedure for Flow Test No. 2 is to be the same as for Flow Test No. 1 except that the previously produced zone shall remain shatt-in while the zone which was previously shut-in is produced.

- 7. Pressures for gas-zone tests must be measured on each zone with a deadweight pressure gauge at time intervals as follows: 3-hour tests: immediately prior to the beginning of each flow-period, at fifteen-minute intervals during the first bour thereof, and at hourly intervals thereafter, including one pressure measurement immediately prior to the conclusion of each flow period. 7-day tests: immediately prior to the beginning of each flow period, at least one time during each flow period (at approximately the midway point) and immediately prior to the conclusion of each flow period. Other pressures may be taken as desired, or may be requested on wells which have previously shown questionable test data.
- 24-bour oil zone tests: all pressures, throughout the entire test, shall be continuously measured and recorded with recording pressure gauges, the accuracy of which must be checked at least twice, once at the beginning and once at the end of each test, with a deadweight pressure gauge. If a well is a gas-oil or an oil-gas dual completion, the recording gauge shall be required on the oil zone only, with deadweight pressures as required above being taken on the gas zone.
- 8. The results of the above-described tests shall be filed in triplicate within 15 days after completion of the test. Tests shall be filed with the Artec District Office of the New Mexico Oil Conservation Commission on Northwest New Mexico Packer Leakage Test Form Revised 11-1-58, with all deadweight pressures indicated thereon as well as the flowing temperatures (gas zones only) and gravity and GOR (oil zones only). A pressure versus time curve for each zone of each test shall be constructed on the reverse side of the Packer Leakage Test Form with all deadweight pressure points taken indicated thereon. For oil zones, the pressure curve should also indicate all key pressure changes which may be reflected by the recording gauge charts. These key pressure changes should also be tabulated on the front of the Packer Leakage Test Form.

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