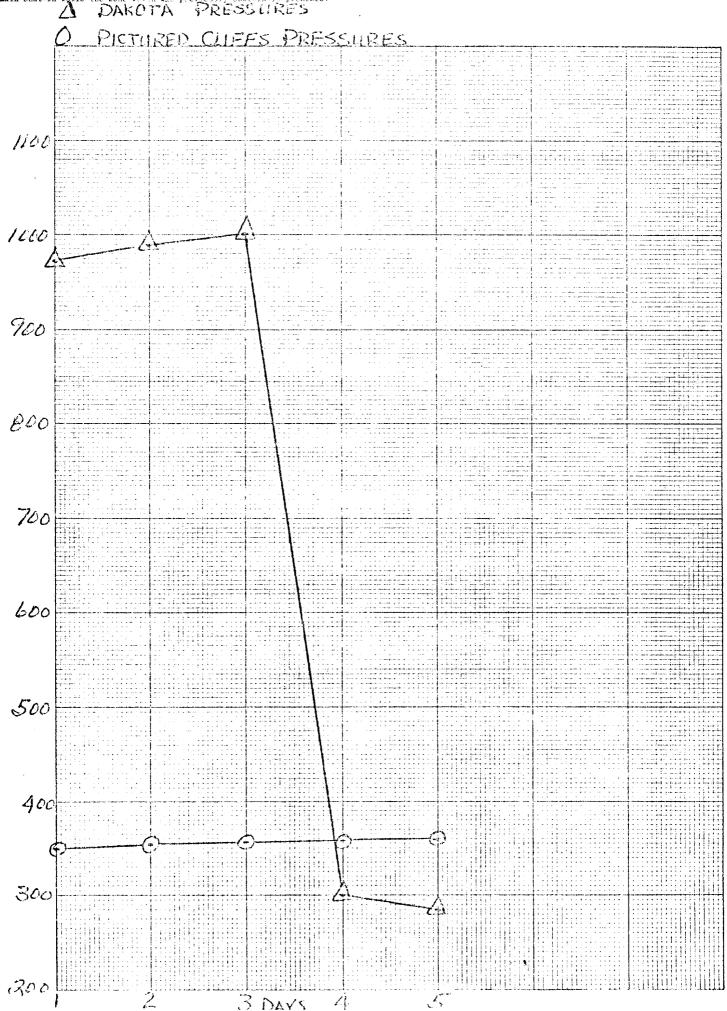
NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

	t J Sec. 7				Tribal C	No. 10(PD)
pper empletion			26		Z 0 1	This Assails
oper ompletion	Name of Reser	Twp.	Type of Prod	e. Method	County of Prod.	Prod. Medium
mpletion	HORIO OX HODOL	voir or Pool	(Oil or Gas)	(Flow or	Art. Lift)	(Tbg. or Csg.)
wer	Pictured C	liffs	gas		flow	tubing
mpletion	Dakota	DUD T	gas		flow	tubing
per Hour, da	ate		FLCW SHUT-IN PR			Stabilized?
mn7 Shut -	in 8-29-71	time shu	of it-in 3 days	psig SI pre	356	(Yestor No)
wer Hour, da	er Hour, date Shut-in 8-29-71 time		ength of		88.	Stabilized?
		time shu	it-in 3 days FLOW TEST N	psig	1001	(Assertan No)
nmenced at	(hour, date);	9-1-71		Zone p	roducing (Apps	cxxx Lower):
Time	Lapsed time	Pres	sure	Prod. Zone		
our, date)	since*	Upper Compl.	Lower Compl.	Temp.	Rer	arks
8-30-71	l day	350	972			ndagedakki alifali dan ipaman, ayandan kamalagian ngangahin daharam (Dhar ank Taranishin)
8-31-71	2 days	354	990			
9-1-71	3 days	356	1001			
9-2-71	1 day	358	300		lower zone t	flow
9-3-71	2 days	359	284			and the second s
pper Hour, date Length ompl Shut-in time shu ower Hour, date Length o			of st-in	SI pre psig SI pre	SS.	Stabilized? (Yes or No) Stabilized?
mpl Shut-		time sh		psig		(Yes or No)
			FLOW TEST N	(A)		11200
	7	V V		V6 &	maduaine (Unn	
mmenced at	(hour, date)	⊹¥ Pres		Zone p	roducing (Uppe	er or Lower):
Time	Lapsed time	Pres	Soure Lower Compl.	Zone p Prod. Zone		
Time	Lapsed time	Pres	sure	Zone p Prod. Zone		er or Lower):
Time	Lapsed time	Pres	sure	Zone p Prod. Zone		er or Lower):
Time	Lapsed time	Pres	sure	Zone p Prod. Zone		er or Lower):
Time	Lapsed time	Pres	sure	Zone p Prod. Zone		er or Lower):
Time nour, date)	Lapsed time since **	Pres Upper Compl.	Lower Compl.	Zone p Prod. Zone Temp.	Ren	er or Lower): marks
Time our, date)	Lapsed time since **	Pres Upper Compl.	Lower Compl.	Zone p Prod. Zone Temp.	Ren	er or Lower): marks
Time our, date)	Lapsed time since **	Pres Upper Compl.	Lower Compl.	Zone p Prod. Zone Temp.	Ren	er or Lower): marks
Time our, date) coduction ra 1:	Lapsed time since ** te during temporary temp	Pres Upper Compl.	Bbls. in thru (Orifice	Zone p Prod. Zone Temp.	Ren	er or Lower): marks
Time four, date) roduction ra 1: as: MARKS:	Lapsed time since ** te during temporaries bord bases and the since **	Pres Upper Compl.	Bbls. in thru (Orifice	Zone p Prod. Zone Temp. Hrs. cr Meter):	Grav.	er or Lower): marks GOR
Time nour, date) roduction ra il: as: MARKS: hereby cert nowledge.	Lapsed time since ** te during tember BOPD because the border border because the border	Pres Upper Compl.	Bbls. in thru (Orifice	Zone p Prod. Zone Temp. Hrs. cr Meter):	Grav.	GOR GOR
Time nour, date) roduction radi: as: MARKS: hereby cert nowledge. oproved:	Lapsed time since ** Ite during temporary because the during temporary because the second se	Pres Upper Compl.	Bbls. in thru (Orifice	Zone p Prod. Zone Temp. Hrs. or Meter):	Grav.	er or Lower): marks GOR
Time four, date) roduction ra l: as: MARKS: hereby cert nowledge. proved: lew Mexico C	Lapsed time since ** Ite during temporary because the during temporary because the second se	Presupper Compl. stased on MCFPD; Tested information 19 ion Commission	Bbls. in thru (Orifice Cparate	Prod. Zone Prod. Zone Temp. Hrs. cr Meter):	Grav.	GOR GOR

- A packer leavage test scall broke covered of sail full spicious described will within beyon days after a follow, letter of the will and antimity thereoffer as presenting by the containstanting the minitale composition. Such tests shall also be conceived on all multiple conjections within seven days followed, recognistion and or observed or indicate the Albania. But whenever recedial work has been done on a will during which the jacker or the tubing have been dissipated. These shall also be taken at any time that communication is suspected or when results of by the Courission.
- 2. At least 72 hours prior to the compensement of any packet leakage test the operator shall notify the Commission in writing of the exact limit the test is no be consequed. Offern operators shall also be so multiple.
- 3. The packer leakage test shall commence when both zones of the dual completion are shut-in for pressure stabilization. Both zones that! remain shut-in until the rell-head pressure in each has substitute, provided however, that they need not remain what-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 gacker leakage test, a gas well is being flowed to the atrespose; due to the lack of a tipeline connection the flow period shall be three hours.
- 5. Following completion of flow Test ho. 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 during flow Test 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 shut-in while the zone shall was proviously shut-in its produced.

 DAKOTA PRESSURES

- The control of the five leads had be transport on each zone with a cold on the presente steps of the intervals has follows; O-hear tests, to the legionic of each five-period, it fifteen-winned this is not to the legionic of each five-period, it fifteen-winned this control originates the first hoor thereof, and at hearty intervals there-clusted or each lies period. 7-day tests; intediately prior to the conclusion of each five period, at least one time during each five period at approximately the modery point) and invadiately 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-hour oil zone tests; all pressures, throughout the entire test, whill be continuously measured and recorded with recording pressure gaines, the accuracy of which must be checked at less; twice, once at the beginning and once at the end of each test, with a deadweight pressure [sage, if a well is a gameoil or an oil-gas dual completion, the recording xeage shall be required on the oil zone only, with deadweight pressures as required show being taken on the was 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 Actor District Office of the New Marico Gil Conservation Commission on Montreast New Marico Packer Leakage Test Form Revised 11-1-58, with all deliaseignt pressures indicated thereon as well as the flowing temperatures (gas zones only) and gravity and GOR (oil zones only). A pressure versus the 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 toben 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 iront of the Packer Leakage Test Form.



NEW MEXICO OIL CONSERVATION COMMISSION

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Revised 11-1-58

Well

	onsolidated ()	il & Gas,	Inc.	Lea	SeT	ribal "C"	No. 10 (Ph)
Location	т с	77 m	06	ъ.	7	0	
of Well: Un	it_JSec	Twp.	26	Rge.	Not bod	Count	y Rio Arriba Prod. Medium
	Manage C. Deser		Type (or Prod.	Met hod	of Prod.	Prod. Medium (Tbg. or Csg.)
Upper	Name of Rese	rvoir or i	001 (011 (or (ras)	(FIOW OF	Art. Litty	(Tog. or esg.)
Completion P	ictured Cliff	S .	Cas		Plow		Tubing
Lower					2 11 011		1,000,1163
Completion Da	akota		tr .		11		11
		F	RE-FLOW SHU	I-IN PRES	SURE DATA		The second secon
Upper Hour,	iate	Len	igth of		SI pres	S.	Stabilized?
Compl Shut	-in 7-23-7	2 time	ime shut-in 3 Days		psig	364	(Yescor No)
Lower Hour,	late	Len	igth of		SI pres	S •	Stabilized?
Compl Shut	in 7-23-7	<pre>time</pre>	shut-in			741	(Yesson No)
				TEST NO.		-3	T
Commenced at Time	(hour, date) Lapsed time	7-2	26-72	(1)	rod. Zone	oanctus (duit	ergor Lower):
(hour, date)	since*	Inner Cor	pl. Lower	COTOD	Temp.	Re	emarks
(nous dave)	321100	opper oon	20101				
7-24-72	l Day	348	712				
7-25-72	2 Days	358	730				
7 0/ 70		= 41	1				
7-26-72	3 Days	364	741				
7_97_79	1 Darr	760	0.55			T	
7-27-72	l Day	1 200	368 255		Lower Zone		H. LOM
7-28-72	2 Days	371	258				
		 					
Production ra	ate during te	st					
Oil:	BOPD b	ased on	Bb.	ls. in	Hrs	•Gr	av. GOR_
Gas: 175		MCFPD; Tes	sted thru go	wifice or	Meter):	lleter	
Tr Tr	2.4.		IID-TEST SHU	I-IN PRES	SI pres	c	Stabilized?
Upper Hour, date Length Compl Shut-in time sh						5 €	(Yes or No)
Compl Shut-in Lower Hour, date			time shut-in Length of		SI press.		Stabilized?
Compl Shut-in			time shut-in		psig		(Yes or No)
			FLOV	TEST NO.	2		
Commenced at	(hour, date)	**				oducing (Upp	er or Lower):
Time	Lapsed time		Pressure		rod. Zone	-	•
(hour, date)	since **	Upper Con	pl. Lower	Compl.	Temp.	K∈	emarks
						The second secon	The same of the sa
						STE	
						RILL	
						/ Table Control	T Exter
						AUG 15	1970
							
						OIL CON.	
		 				DIST.	3
							THE PARTY NAMED IN COLUMN TO THE PARTY NAMED
Production r	ate during te	st					
0:1.	ROPD b	aged on	Bb:	ls. in	Hrs.	Grav.	GOR
Gas:	DOI D C	MCFPD; Te	sted thru (Orifice o	r Meter):		
							
REMARKS:		-					
					•		·
And the second second second second second		4 - 5		ant of Land	do funta an	t otalizza h	o the heat of my
	tily that the	intolesci	con narain c	ourgrupg	ns erus an	a comprese (to the best of my
knowledge.			. •	Operator	Consoliá	ated Oil &	Cas, Inc
Approved:	AUG 15 1940	M 4221 C	7				de de 2006 fiede y fijne en en bestegt of de strellen men en felde de serve en de tellen en en en en en en en
New Mexico	Oil Conservat	ion Commis	sion	By	20 (0	U >	
	1	_					•
By	MI Se	MANG	16	Title	Productio	n Superinte	ndent
	DOLLAR TAXA	(mm	, C	.			
Title PE	ROLEUM ENGINE	ER DIST. N	0. 3	Date	August /L	1972	

NORTHWEST NEW MEXICO PACKER LEAKAGE TEST INSTRUCTIONS

- 1. A packer leakage test shall be commenced on each sultiply completed well within seven days after actual completion of the well, and annually thereafter as prescribed by the order authorizing the sultiple completion. Such tests shall wise be commenced on all multiple completions within seven days following recompletion sunfor themstal on 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.
- 2. 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 shut-in for pressure stabilization. Both zones shall remain shut-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 rome 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. Following completion of Flow Test No. 1, the well shall again be shut-in, in accordance with Paragraph 3 above.
- 6. Flow Test No. 2 shall be conducted even though no leak was indicated during Flow Test 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 shut-in while the zone which was previously shut-in is produced.

- 7. Pressures for gus-zone tests must be measured on each zone with a doubterful pressure gauge at time intervals as follows: 3-hour tests: lessediately prior to the beginning of each flow-period, at fifteen-minute intervals during the first hour thereot, and all hourly intervals there-after, including one pressure measurement irrediately prior to the conclusion of each flow period. 7-day tests i benediately prior to the beginning of each flow period, at least one time during each flow period (at approximately the midway point) and insechiately 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-hour oil zone tests; all pressures, throughout the entire test, whall be continuously measured and recorded with recording pressure gauges, the accuracy of which must be cherked 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 gast-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.
- 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 Aztec 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 (gam 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.

DAKOTA PRESSURES O PICTURED CLIFFS PRESSURES 1000	
1000	
900	
800	
700	
600	
500	
400	
300	
· 200	