SANTA FE, NEW MEXICO

APPLICATION FOR DUAL COMPLETION

	ndestimated	Pictured Cliffs	County Rio Arriba	Date Nov. 5. 1950
erator		Lease		Well No.
Magnelia Petroleum Co			cerille min	8
	Section	-	Township	Range
	12		2611	well in these same pools or in the same
zones within one mile of the sub- If answer is yes, identify one su **Semolia etroloum Co Jiearilla **G** The following facts are submittee	ch instance: Orde		; Operator, Lease, a	
g. Name of reservoir		Upper Zo		Lower Zone
		Pictured C	Life	Mesa Verde
b. Top and Bottom of		9/24		
Pay Section		3694	·	5476
(Perforations)		3756		5977
c. Type of production (Oil or Gad. Method of Production	is)	Oes		Ges
		23		***
(Flowing or Artificial Lift) The following are attached. (Ple		Floring		Floring
operators of all leases You c. Waivers consenting to been furnished copies of the d. Electrical log of the thereon. (If such log is	offsetting applicated such dual completed of the application. Well or other accepts not available at the such as	nt's lease. tion from each o table log with the time applica	offset operator, or in lieu therectors and bottoms of producing zation is filed, it shall be submit	leases, and the names and addresses of of, evidence that said offset operators had ones and intervals of perforation indicated as provided by Rule 112—A.)
operators of all leases C. Waivers consenting to been furnished copies of the d. Electrical log of the waiter thereon. (If such log is List all offset operators to the le	offsetting application such dual complete of the application. well or other accepts not available at these on which this	nt's lease. tion from each of table log with the the time applica well is located	offset operator, or in lieu therece tops and bottoms of producing z ation is filed, it shall be submit together with their correct mail	of, evidence that said offset operators he cones and intervals of perforation indicated as provided by Rule 112—A.) ling address.
operators of all leases Yes c. Waivers consenting to been furnished copies of the d. Electrical log of the thereon. (If such log is List all offset operators to the le	offsetting application such dual complete of the application. well or other accepts not available at these on which this	nt's lease. tion from each of table log with the the time applica well is located	offset operator, or in lieu therece tops and bottoms of producing z ation is filed, it shall be submit together with their correct mail	of, evidence that said offset operators he cones and intervals of perforation indicated as provided by Rule 112-A.)
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NOTE: If the proposed dual completion will result in an unorthodox well location and/or a non-standard proration unit in either or both of the producing zones, then separate application for approval of the same should be filed simultaneously with this application.

NEW MEXICO OIL CONSERVATION COMMISSION

PACKER LEAKAGE TEST (SAN JUAN BASIN)

		Fictured Cliffs
		Massvarde
Location: Unit ,S. 12, T. 268, R. 314	i ilo Arriba	County, N. Mex.
Pre-Tes	st Shut-In	
	Upper Completion	Lower Completion
Shut-in (date)	10/6/58	<u> 10/6/58</u>
Pressure Measured (Dwt.) (date)	10/13/58	10/13/58
Flow Tes	st No. 1	
Test commenced at (hour, date) 10:15 1.4. 1	0/13/58	Choke size 0.750"
	ompletion shut-in 🛐	ctured Cliffs
	Upper Completion	Lower Completion
Pressure at beginning of test	925 psig	1528 psig
Maximum pressure during test	930 psig	15 28 psi@
Minimum pressure during test	925 psig	38 ∵ psi _{//}
Pressure at end of test	927 psig	387 psig
Maximum pressure change during test	+ 5 psig	-1139 psig
	ased on BO in	hours.
Gas Flow rate during test:		
Choke volume 4958 Mid-Test	MCFD: Meter Shut-In	volumemcfd.
	Upper Completion	Lower Completion
Shut-in (date)	10/13/58	10 13 50
Pressure measured (Dwt) (date)	10/20/58	10, 2 3/58
Flow Test	No. 2	
Test commenced at (hour, date) 1:125 A.M.		Choke size 0.750"
Completion producing Pictured Cliffs		n shut-in bsaverde
O TRANSPORT OF THE PROPERTY OF	Upper Completion	
Pressure at beginning of test	psi:	•
Maximum pressure during test	764 psi	
Minimum pressure during test	<u>1.3</u> psi	
Pressure at end of test	psi	
Maximum pressure change during test	-801 psi	
Oil flow rate during test: BOPD base		
Gas flow rate during test:		
Choke volume 2164	MCFD:Meter vo	olumemcfd.
· · · · · · · · · · · · · · · · · · ·	Title is the land	
Witnessed by	Title	
REMARKS: None		
	<u></u>	
NOTE: Describe to the fort	data abase and a area	nhin deniction of old
NOTE: Recording gauge pressure charts, test	_	tpnic depiction of all
phases of the test shall be submitted with this r AFFIDAVIT:	eport.	
	ions prescribed by th	a Oil Conservation
I HEREBY CERTIFY that all conditi Commission of the State of New Mexico for this		
and carried out in full, and that all dates and fa		
material are true and correct.	cts set forth in this i	of in and all attached
material are true and correct.		
William A Marken Fo	DT SENIONATE	ERNA COLLUMNIA CA
(Representative of Company	138 3 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	npany Making Test)
Making Test)	(30	, , , , , , , , , , , , , , , , , , , ,

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INSTRUCTIONS

(NORTHWEST NEW MEXICO ONLY)

- 1. At least seventy-two hours prior to the commencement of this test, the operator shall have notified the Aztec 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 at least seven days. This shut-in must show on the charts of the pressure recorder and also must appear on the data sheets.
- 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 for seven days, and shall be at a rate of flow approximating the normal rate of flow for the zone being produced. Note: Where gas is flowed to the atmosphere in taking the initial packer test, the well shall be flowed for three hours.
- 4. Following the completion of flow test No. 1, the well will again be shut-in for seven days.
- 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 Flow Test No. 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 (Dwt), and such readings shall be recorded on the test data sheet provided.
- 8. This form must be completed and filed in duplicate with the Aztec 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.
- 9. This packer leakage test shall be performed upon the dual completion of any new wells so approved by the Commission. This test shall also be required each year during the annual deliverability test on gas wells. This test shall be required until such time as the Commission has sufficient information on testing dual completions in San Juan Basin on which to base a simplified packer leakage test. The Commission may also request packer leakage tests at any time they feel that a new test is desirable.

INITIAL PACKER LEAKAGE TELET DAYS

JICARILLA "H" WELL NO.8

FIGHT WALE: 10/13/58

TIME	'CLIAV'ALOK PLOWING TUBING PRESSURE, PSIG	PICTURED CLIF'S SAUT-IN TURING SREED WAS
10:15 A.M.	1528 DWT.	925 DHT
10:30 "	710 *	928 6
10:45	58 5 **	726 "
11:00 "	56 5 "	226 "
11:15 "	517 "	926 "
11:45 "	459 ⁿ	928 "
12:15 7.4.	۷11 "	930 "
12:45 "	411 "	927 "
1:15	389 "	927 "

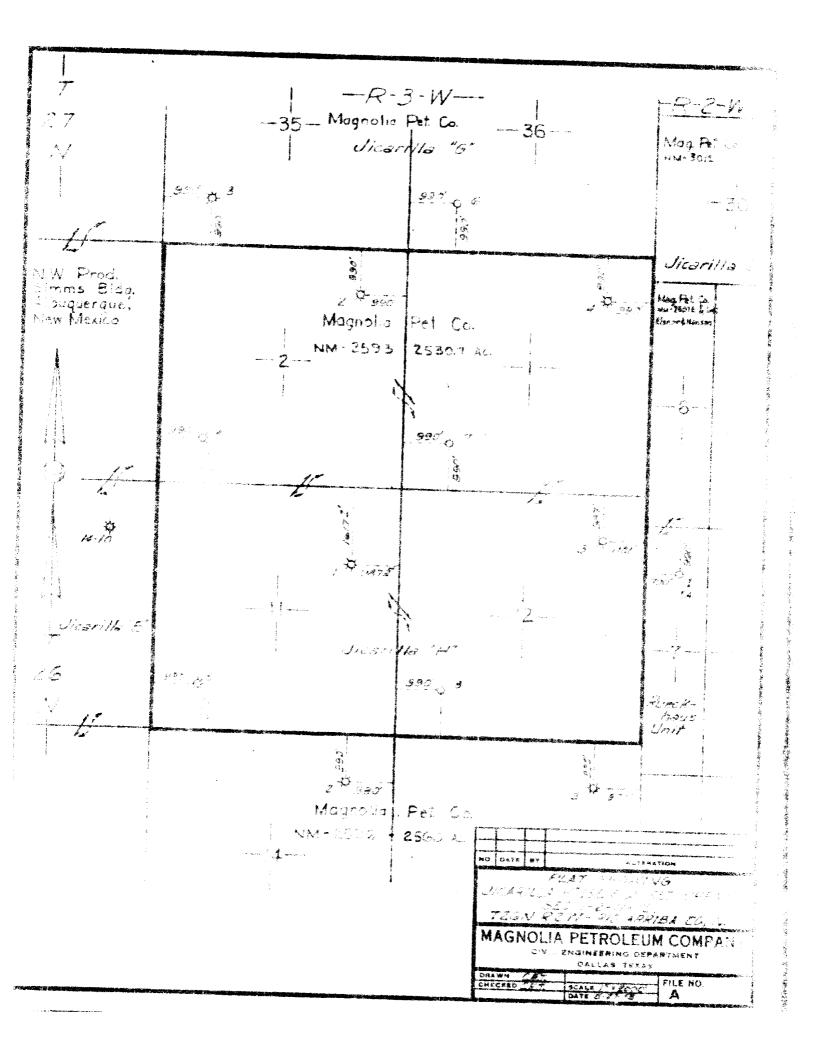
3400ND HAIF: 10/20/58

TIMS	MBDAVERDE SAU - IN TUBING PRESSURE, FSIG	PICTURED CLISTS PICVING TUBLED PARASURE, PSIG
13:25 A.M.	1582 DMT	964 DHI
10:40	1580 "	371 "
10:55 "	1580 *	29 2 "
11:10 "	1580 *	251 "
11:25 "	1583 *	245 "
11:55 "	1584 *	209 "
12:25 "	1584 "	191 "
12:55 "	1585 W	1/6 "
1:25 "	1585 *	163 "

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PACKER_SETTING AFFIDAVIT (Dual Completions)

STATE OF MEN MEXICO	
County of SAN JUAN)ss	
C U Litub	ing fingt duly grown according to law your hi
oath deposes and says:	ing first duly sworn according to law, upon hi
That he is of lawful age as set out.	nd has full knowledge of the facts herein below
That he is employed by	gnelia Petroleum Company in the capacity
of Production Foremen and	as such is its authorized agent.
	58, he personally supervised the setting of
*	in Magnolie Petroleum Company
(Make and Type of Packer)	(Operator)
Jicarilla "H"	
Liease i	
	Township 26N , Range 3W , NMPM,
Rio Arriba County, New Mexico.	
prevent the commingling, within the water below the packer with fluids produced packer was properly set and that it diseal off the annular space between the	g this packer was to effect a seal in the sof pipe where the packer was set so as to well-bore, of fluids produced from a stratum if from a stratum above the packer. That this lid, when set, effectively and absolutely he two strings of pipe where it was set in movement of fluids across the packer.
	MAGNULIA PETROLEUM COMPANY
	(Company)
	(its Agent) G. W. Walker
Subscribed and sworn to before me thing 55.	s theday of September,
•	Notary Public in and for the County of
ty Commission Expires (14)	
()	
· ·	No.

MAGNOLIA PETROLEUM COMPANY Jicarilla "H", Well No. 8 Blanco Mesaverde & Undesignated Pictured Cliffs Rio Arriba County, New Texico

Elevation: 7208' Ground Level 304' - 10 3/4" casing set w/250 sacks cement 3090' - Top of cement Perforated 7 5/8" casing w/70 jet 3292' - Top of Ojo Alamo shots (3694'-3714', 3741'-56') sand 3482' - Top of Kirtland Fruitland water frac w/105,000 gal. water + 52,500# 3674' - Top of Pictured Cliffs 20-40 mosh sand 3741' - Bottom 2" tubing 3784' - Top of Lewis Shale 3842' - Top of 5" liner & top of cement Set w/200 sacks 6% Gel + 1/2# Flocele + 25 sacks Weat 4010' - 7 5/8" casing set w/75 sacks 6 Cel + 1/2# Flocelc per sack + 50 sacks neat 5437' - Baker Model "D" Production Packer Perforated 5" liner w/126 jets (5476'-5442' - Top of Cliff House E31, 54991-55041, 55851-5589, 58521-841, 59311-381, 5526! - Top of Menefee 59691-77) sand water frac w/131,300 gals. water + 98,500# 20-40 mesh sand 58381 - Top of Point Lookout

5964 - Bottom 2" tubing 5979 - Top of Mancos

6015' - Plugged back total depth

6050' - Total depth