THE APPLICATION OF MARATHON OIL COMPANY FOR A DUAL COMPLETION

ORDER NO. MC-2919

## ADMINISTRATIVE ORDER OF THE OIL CONSERVATION DIVISION

Under the provisions of Rule 112-A Marathon Oil Company made application to the New Mexico Oil Conservation Division on August 24th, 1981, for permission to dually complete its Jicarilla Apache Well No. 13E located in Unit E of Section 33, Township 26 North, Range 5 West, NMPM, Rio Arriba County, New Mexico, in such a manner as to permit production of gas from the Mesaverde Formation and the Basin-Dakota Pool.

Now, on this 21st day of September, 1981, the Division Director finds:

- 1. That application has been filed under the provisions of Rule 112-A of the Division's Rules and Regulations;
- 2. That satisfactory information has been provided that all operators of offset acreage have been duly notified;
- 3. That no objections have been received within the waiting period as prescribed by said rule.
- 4. That the proposed dual completion will not cause waste nor impair correlative rights.
- 5. That the mechanics of the proposed dual completion are feasible and consonant with good conservation practices.

#### IT IS THEREFORE ORDERED:

That the applicant herein, Marathon Oil Company, be and the same is hereby authorized to dually complete its Jicarilla Apache Well No. 13E located in Unit E of Section 33, Township 26 North, Range 5 West, NMPM, Rio Arriba County, New Mexico, in such a manner as to permit production of gas from the Mesaverde Formation and the Basin-Dakota Pool through the casing-tubing annulus and the tubing respectively.

PROVIDED HOWEVER, That applicant shall complete, operate, and produce said well in accordance with the provisions of Rule 112-A.

PROVIDED FURTHER, That applicant shall take packer-leakage tests upon completion and annually thereafter.

IT IS FURTHER ORDERED: That jurisdiction of this cause is hereby retained for the entry of such further orders as the Division may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO OIL CONSERVATION DIVISION

Muy

JÕE D. RAMEY / Division Director

SEAL

OCT 5 - 1981 OIL CON. COM. DIST. 2

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#### STATE OF NEW MEXICO

### ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION AZTEC DISTRICT OFFICE

1000 RIO BRAZOS ROAD AZTEC, NEW MEXICO 87410 (505) 334-6178

BOX 2088
SANTA FE, NEW MEXICO 87501
DATE 8-24-81
RE: Proposed MC
Gentlemen:  I have examined the application dated $7-29-81$
for the Marathon Jic. Back BE E-33-26 N-SW
Operator Lease and Well No. Unit, S-T-R
and my recommendations are as follows:
Previous recommendation to dany modified. approve
after approval of TX order MC order will require
an annual blind level test in annulus.
Nours truly,
Snah J. Clary



### STATE OF NEW MEXICO

## ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION AZTEC DISTRICT OFFICE

1000 RIO BRAZOS ROAD AZTEC, NEW MEXICO B7410 (505) 334-6178

OIL CONSERVATION DIVISION BOX 2088 SANTA FE, NEW MEXICO 87501
DATE 8-13-81
RE: Proposed MC
Gentlemen:
I have examined the application dated $7-29-81$
for the Martha Har line Washe #17E E-33-26N-Su
Operator Lease and Well No. Unit, S-T-R
Dong. Annular area too large for efficient production
Yours truly,
Brank? Pare

#### NEW MEXICO CIL CONSERVATION COMMISSION SANTA FE, NEW MEXICO APPLICATION FOR MULTIPLE COMPLETION

perator		County	Date					
Marathon Oil Company		Rio Arriba	July Well No.	July 20, 1981				
ddress	W 00000	Lease	13E					
P. O. Box 2659; Casper, W		Jicarilla Apache	Range					
ocation office	33	26N	5W					
of Well E STATE Has the New Mexico Oil Conservation	Complete hererofore 8	unthorized the multiple completion		se same pools or in the same				
	115 VEC	NO A						
zones within one mile of the subject w If answer is yes, identify one such ins	stance: Order No.	; Operator Lease,	and Well No.: _					
. If answer is yes, identity one such in								
		1.		Lower				
. The following facts are submitted:	Upper Zone	Intermediate Zone		Zone				
			B	asin Dakota				
a. Name of Pool and Formation	Blanco Mesaver	de		<u>,</u>				
b. Top and Bottom of			_	1071 7 0071				
Pay Section (Perforations)	5,126'-5,150'			,107'-7,295'				
c. Type of production (Oil or Gas)	Gas and Conden	sate	G	as and Condensate				
d. Method of Production				7 - 3 - 4				
(Flowing or Artificial Lift)	Flowing			lowing				
. The following are attached. (Please of	check YES or NO)							
izers and/or turbolized diameters and setting    X	ers and location thereon, idepth, location and type ation of all wells on applaces offsetting applicant, os such multiple completished copies of the application well or other acceptable uch log is not available at to N.M.O.C. Committee on which this well is losse, 720 S. Colorida. 5, 5th Floor,	on from each offset operator, or incation.* All waivers are log with tops and bottoms of prat the time application is filed it cated together with their correct rado Blvd., Denver, CO	nd such other info n offset leases, n lieu thereof, ev dated July oducing zones a shall be submitted	ormation as may be pertinent and the names and addressed idence that said offset oper, 1980.  Indintervals of perforation is an an arrow of the as provided by Rule 112-A				
Supron Energy Corp., Bld El Paso Nat. Gas Co., P. Amoco Prod. Co., 1670 Br	roadway, Denver,	CO 80202		JUL 23 1981 OIL CON. COM. DIST. 3				
El Paso Nat. Gas Co., P.	roadway, Denver,	hed a copy of this application?		JUL 23 1981 OIL CON. COM. DIST. 3 If answer is es, gi				

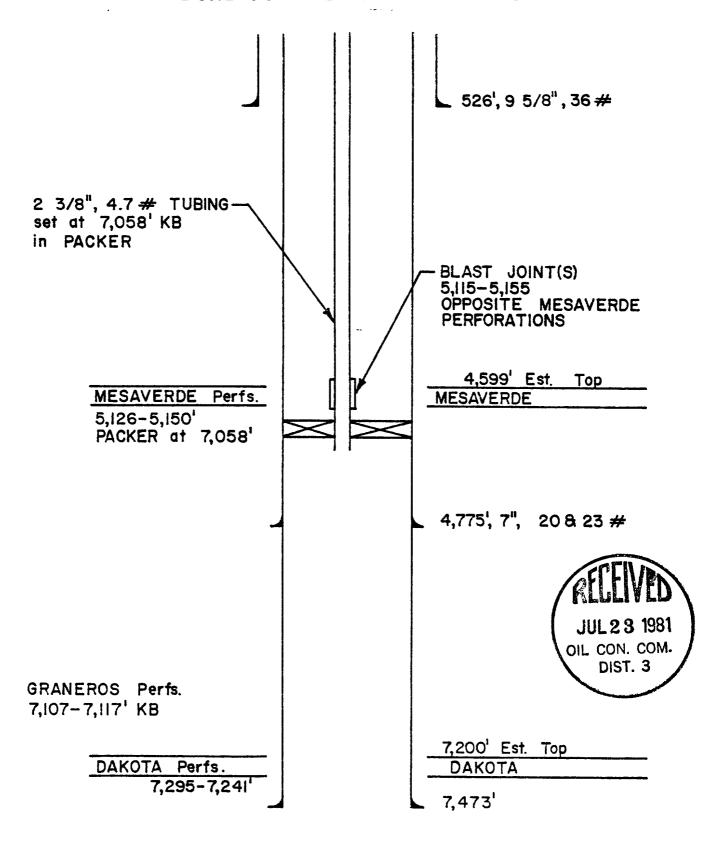
\*Should waivers from all offset operators not accompany an application for administrative approval, the New Mexico Oil Conservation Commission will hold the application for a period of twenty (20) days from date of receipt by the Commission's Santa Fe office. If, after said twenty-day period, no protest nor request for hearing is received by the Santa Fe office, the application will then be processed.

NOTE: If the proposed multiple completion will result in assure the same application will then be processed.

NOTE: If the proposed multiple completion will result in an unorthodox well location and/or a non-standard proration unit in one or of the producing zones, then separate application for approval of the same should be filed simultaneously with this application.

#### JICARILLA APACHE #13-E

#### 1,850' FNL, 930' FWL SECTION 33, T26N, R5W UNIT E RIO ARRIBA COUNTY DUAL COMPLETION SCHEMATIC





P.O. Box 2659 Casper, Wyoming 82602 Telephone 307/235-2511

July 17, 1980

Tenneco Oil Company Division Rod Manager 720 South Colorado Blvd., Penthouse Denver, Colorado 80222

Attn: Mr. J.M. Lacey

Dear Sir:

Marathon Oil Company is requesting approval from the New Mexico Oil Conservation Commission for dual completion of our Jicarilla Apache Well #13E, 1850' FNL and 930' FWL, Unit E, Sec. 33, T26N, R5W Rio Arriba Co., NM, and Well #16E, 825 FWL and 955' FEL, Unit A, Sec. 34, T26N, R5W, Rio Arriba o., NM., in the Basin Dakota and Otero Chacra formations. These wells offset one of your leases, so we have enclosed schematic diagrams of the proposed completions and plats for your information.

If you have no objection to these dual completions, will you please sign the approval on the bottom of the attached two copies of this letter and return them to me at your earliest convenience.

Very truly,

MARATHON OIL COMPANY

Dale T. Caddy

District Operations Manager

DC/WEW/pla Attachments

Tenneco Oil Company has no objection to the dual completion of Jicarilla Apache Wells #13E and #16E.

3Y:

15/0N

RODICTION ME

DATE:

7/25/8

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and a large way

Penthouse 720 South Colorado Bivd. Denver, Colorado 80222 (303) 758-7130

July 24, 1980

Marathon Oil Company P.O. Box 2659 Casper, Wyoming 82602

Attention: Dale T. Caddy

District Operations Manager

Re: Proposal to Dually Complete

Jicarilla Apache Well #13E & #16E Rio Arriba County, New Mexico

Gentlemen:

Tenneco Oil Company has no objections to the proposed dual completion of the captioned well. As you requested, attached are two executed copies of your Letter Ballot indicating Tenneco's approval.

Yours very truly,

TENNECO OIL COMPANY

J. M. Lacey Division Production Manager

ر بادر استان بازد و المجلسون مرا

JML:RJG:sh

Attachment(s)



MARATHON	Marathon Oil Company
----------	-------------------------

July 17, 1980

Casper Division Production, U.S. & Canada

P.O. Box 2659 Casper, Wyoming 82602 Telephone 307/235-2511

Acctg. Supr	
Drlg. Supt	
Prod. Supt	
Res. Engr.	
Prod. Engr.	
Proc. Engr.	
Geologists	
File	

Dist. Engr.

OIL CON. COM.

Supron Energy Corporation Bldg. 5, 5 Floor, 10,300 N. Central Expressway Dallas, Texas 75231

Attn: Mr. H. Fleetwood

Gentlemen:

Marathon Oil Company is requesting approval from the New Mexico Oil Conservation Commission for dual completion of our Jicarilla Apache Well #13E, 1850' FNL and 930' FWL, Unit E, Sec. 33, T26N, R5W, Rio Arriba Co., NM, and Well #16E, 825 FWL and 955' FEL, Unit A, Sec. 34, T26N, R5W, Rio Arriba Co., NM., in the Basin Dakota and Otero Chacra formations. These wells offset one of your leases, so we have enclosed schematic diagrams of the proposed completions and plats for your information.

If you have no objection to these dual completions, will you please sign the approval on the bottom of the attached two copies of this letter and return them to me at your earliest convenience.

Very truly,

MARATHON OIL COMPANY

Hal I Carry

Dale T. Caddy

District Operations Manager

DC/WEW/pla Attachments

Supron Energy Corporation has no objection to the dual completions of Jicarilla Apache Wells #13E and #16E.

BY: Supron Energy Corporation

Haskell Fleetwood, Vice President

DATE: July 21, 1980

RECEIVED

JUL 3:980

CASPER DISTRIC!
OPERATIONS



P.O. Box 2659 Casper, Wyoming 82602 Telephone 307/235-2511

July 17, 1980

El Paso Natural Gas Company San Juan Production Manager P.O. Box 990 Farmington, NM 87401

Attn: Mr. C.E. Matthews

Dear Sir:

Marathon Oil Company is requesting approval from the New Mexico Oil Conservation Commission for dual completion of our Jicarilla Apache Well #13E, 1850' FNL and 930' FWL, Unit E, Sec. 33, T26N, R5W Rio Arriba Co., NM, and Well #16E, 825 FWL and 955' FEL, Unit A, Sec. 34, T26N, R5W, Rio Arriba Co., NM., in the Basin Dakota and Otero Chacra formations. These wells offset one of your leases, so we have enclosed schematic diagrams of the proposed completions and plats for your information.

If you have no objection to these dual completions, will you please sign the approval on the bottom of the attached two copies of this letter and return them to me at your earliest convenience.

Very truly,

MARATHON OIL COMPANY

Dale Toods

Dale T. Caddy

District Operations Manager

DC/WEW/pla Attachments

El Paso Natural Gas Company has no objection to the dual completions of Jicarilla Apache Wells #13E & 16E.

BY:

TITLE:

DATE:

- Vegeona progra

# TEFTELLER, INC. RESERVOIR ENGINEERING DATA Midland, Texas

Well: <u>JICARILLA APACHE NO. 13-E</u>

Page 1 of 3

Field: BASIN DAKOTA

File 2-11644-A0F&WL

#### CHRONOLOGICAL PRESSURE AND PRODUCTION DATA

1981			Elapse Time		Daily	Wellhead Pressure			
Date	Status of Well	Time	Hrs.Mi	n.	0il B/D	Gas MCF/D	Tbg	Csg	
4-3	Shut-in, Arrived on								
11	location	11:00							
n	Gradient Traverse	11:15							
H	Open on 2"X3/4"	12:00	0	00			1501	333	
11	n and a start and a	12:15	0	15	1.040	5461.5	373	349	
II	II	12:30	Ō	30	1.040	5404.7	369	347	
It	н	12:45	0	45	1.035	4715.2	322	347	
11	11	13:00	ĺ	00	1.028	3799.9	259	346	
11	п	13:30	i	30	1.021	2799.2	189	349	
11	11	14:00	2	00	1.016	2328.2	156	348	
n	ii .	15:00	3	00	1.013	1837.7	121	347	
ŧŧ	Set FWP blanking plug								
11	In F nipple @ 7068'								



Page 2 of 3 File 2-11644-A0F&WL

Lease <u>JICARILLA APACHE</u> Well No. 13-E MARATHON OIL COMPANY Company \_ \_\_\_\_\_ County \_RIO\_ARRIBA\_\_ BASIN DAKOTA \_\_\_\_State NEW MEXICO Field \_ DAKOTA Test Date Formation \_ Status of Well Shut-in **PRESSURE** DEPTH GRADIENT Psi/Ft. 2100. Feet Psig 0 1501 2000 1605 0.052 4000 1709 0.052 1825 0.048 6400 6700 1839 0.047 2000 0.047 7000 1853 7201\* 1862 0.047 \*Mid-Perf 1900 Datum Pressure Psig 1800-1700 1600 1500 6600KB Elev. 7107-7384 Total Depth 7470 Perf. Ft. 2 3/8 in. to 7068 Tubing Ft. in. to 7473 Casing Ft. Casing Press. 333 Tubing Press. 1501 Water Level 1400 Oil Level Temperature 32 6600 Ft. °F@ Element No. 43642 Range 0-4000 Last Test Date Pressure Last Test Date Psig B.H.P. Change 7000 5000 6000

ТУ	Test						Test Date									
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	rathon	Oil C	ompan	у	•	Conne	ction	1			<u> </u>	<del></del>				
Ba	sin Dak	ota				Formo	nation Unit							<del></del>		
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				-G.G. or G.	O. Mu	liipie		7 10	Packer S		<del></del>		County	33	26N	5W
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	L	н		Gq		% CO 2		% N 2		% H <sub>2</sub> S	P	Lovet	Meter		Taps	
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ΝО.	Line Size	X	Size	Press.	ı	Diff.		Temp. *F	Pres p.s.i		Temp.	1	es.	Temp.	1	ol Flow
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2.																HOUL 3
3.														*************		***
4.																
5.	<u> </u>			L							1					
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2.		+						ific Gravit						XX	XXXX	XXX
3.							Specific Gravity Flowing Fluid XXXXX  Critical Pressure P.S.I.A. P.S.I.A.									
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3					<del>-</del>		AOE	- Γ	Pc2	٦n_	. 2872.	1				
4							AOF		Pc2 - R2	-   -	-					•
5																
Abs	olute Open F	Flow	287	2.1				Mcid e	15.025	Angl	e of Slope	<u>53</u>	.13 <sup>0</sup>	Slop	e, n 0	.75
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# TEFTELLER, INC. RESERVOIR ENGINEERING DATA Midland, Texas

Well: <u>JICARILLA APACHE NO. 13-E</u>

Page <u>1</u> of <u>6</u>

Field:

File <u>2-11796-BU&A</u>0F

### CHRONOLOGICAL PRESSURE AND PRODUCTION DATA

1981 Date	Status of Well	Time	Elapsed Time Hrs.Min.	Daily Rate Gas MCF/D	Wellhead Pressure Tbg Csg	BHP @ 7000' Psig
4-28	Arrived on location well flowing	10:45		333 1.0.1 / B		<u> </u>
n n	Rig up to run gradient traverse Rig up to run tandem inst.				358 519	
и и	Inst. @ 7000' " Shut in for build up	12:30 14:30 14:30	0 00			599 603
11 11	n n	14:36 14:42	0 06 0 12			614 639
 	  	14:48 14:54 15:00	0 18 0 24 0 30			653 666 676
n u u	11 R II	15:06 15:12 15:18	0 36 0 42 0 48			686 697 705
11 11 11	11 31 31	15:24 15:30	0 54 1 00			713 722
11 14	n n	15:45 16:00 16:15	1 15 1 30 1 45			753 776 795
11 11	11 11 11	16:30 17:00 17:30	2 00 2 30 3 00			813 842 867
11 11	11 11 31	18:00 18:30	3 30 4 00			891 907
11	u u	19:30 20:30 21:30	5 00 6 00 7 00			938 961 980
" 4-29	H H . B	22:30 23:30 00:30	8 00 9 00 10 00			994 / 1007 1019
11 11 18	11 11 11	02:30 04:30 06:30	12 00 14 00 16 00			1040 1059 1073
11 11	01 11 11	08:30 10:30	18 00 20 00			1088 1100
n .	0 0	14:30 18:30 22:30	24 00 28 00 32 00			1121 1142 1159
4-30	11 11	02:30 08:30	36 00 42 00			1172 1194

# TEFTELLER, INC. RESERVOIR ENGINEERING DATA Midland, Texas

Well: JICARILLA APACHE NO. 13-E

Page \_ 2 of \_ 6

Field:

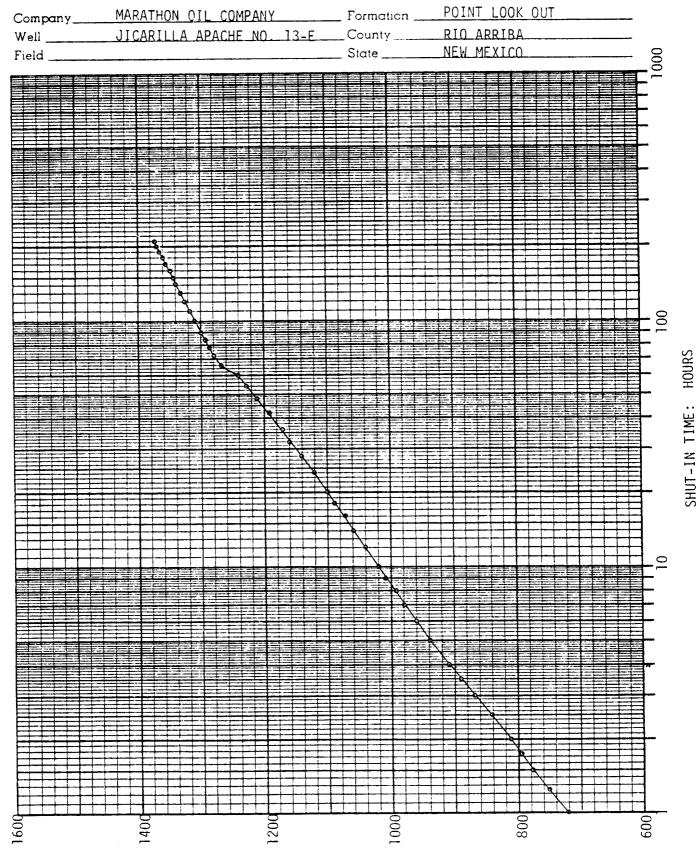
File <u>2-11796-BU</u>&AOF

#### CHRONOLOGICAL PRESSURE AND PRODUCTION DATA

1981	Chabus of Mall	Time	Elapse Time		Daily Rate Gas MCF/D	Wellhe Pressu Tbg C		BHP @
Date	Status of Well	Time	Hrs.Mi		das McI/D	Tug C	,39	Psig
4-30	Continued shut-in	14:30	48 C	00				1211
ti .	II	20:30	54 C	00				1227 /
5-1	п	02:30	60 0	00				1242
II	и	08:30	66 0	00				1269
μ	H	14:30	72 0	00				1278
11	п	20:30	78 C	00				1286
<b>5-</b> 2	u	02:30	84 (	00				1294
11	11	08:30	90 (	00				1300
н	11	18:30	100 (	00				1308
5-3	11	04:30	110 (	00				1317
11	16	14:30	120 (	00				1325
5-4	n	00:30	130 (	00				1333
11	11	10:30	140 (	00				1340
H	н	20:30	150 (	00				1344
5-5	н	06:30	160 (	00				1348
11	Pull instruments	10:30	164 (	00				1352 /
!!	Re-ran instruments to 7000	11:00						
11	II.	16:30	170 (	00				1356
5-6	11	02:30		OC				1360
Н	п	12:30	190 (	00				1365
#	11	22:30	200 (	0C				1369 /
5-7	Arrived on location							
11	shut-in	09:15				1102	1081	
n .	Pull instruments	09:30		00				1373
II	Run gradient traverse	11:00	212	30				1373
11	Rig up to run AOF							
11	Open well on 3/4" pos. ck.	11:15		00				
11	Producing thru casing	11:30		15	8506.0	517	573	626
11	Well flowing dry	11:45		30	3972.1	349	271	391
11	11	12:00		45	2782.6	280	188	320
11	11	12:15		00	2699.1	264	182	302
H	11	12:45		30	1977.8	258	131	297
H	u	13:15		00	1796.3	258	118	304
ŧt	н	13:45		30	1656.4	267	108	310
<b>11</b>	ш	14:15	3	00	1585.9	276	103	318
и	Shut well in							



Page 3 of 6 File 2-11796-BU&AOF



PRESSURE: PSIG @ 7000 FEET



Page 4 of 6 File 2-11796-BU&A0F

JICARILLA APACHE Well No. 13-E Company MARATHON OIL COMPANY \_ Lease \_\_ RIO ARRIBA \_\_ County \_\_\_ Field \_\_\_ Test Date APRIL 28, 1981 Formation \_ Status of Well Flowing DEPTH **PRESSURE** GRADIENT Psi/Ft. Feet Psig 800 358 0 443 0.043 2000 0.034 -510 4000 578 0.034 6000 0.025 593 6600 0.035 700 600 6800 0.035 607 7000 600-Datum Pressure 500 400 200<del>1</del> 6600KBDatum Total Depth 7470 Perf. 5126-5150 Ft. 2 3/8 in. to 7090 Ft. Tubing in. to 7473 Casing Ft. Casing Press. 519 Tubing Press. 358 Flw. Water Level Flw. Oil Level Temperature 176 °F @ 7000 Ft. Element No 57621 Range 0-4000 Last Test Date Pressure Last Test Date Psig B.H P. Change 7000 6000 5000 4000 3000 2000 1000

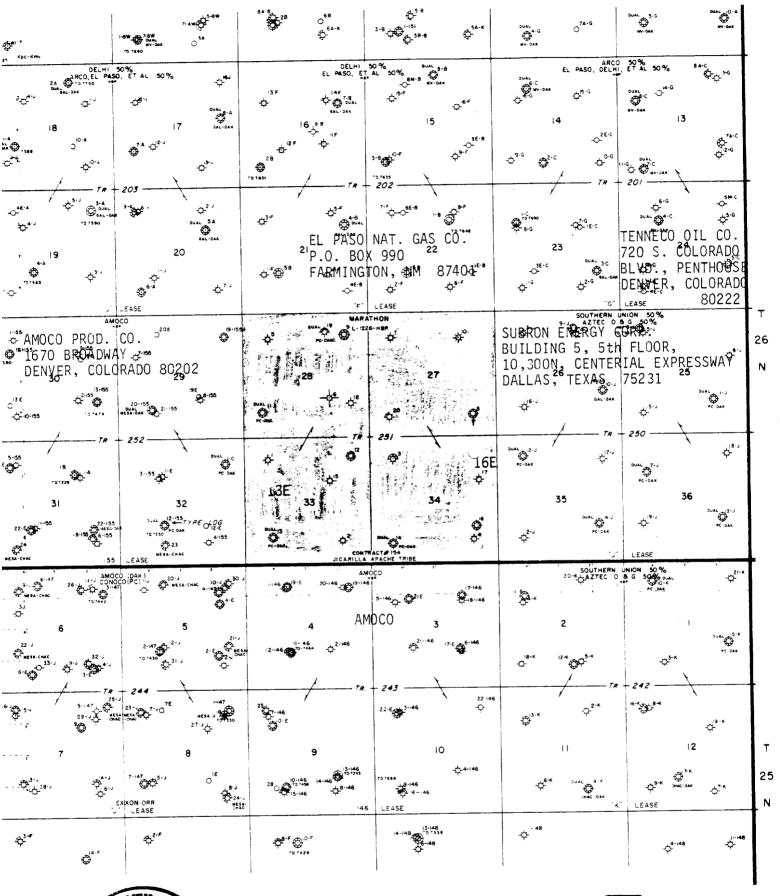
MENTU CEET

Tue	Tont										Test Do								-
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Completion Date Total Depth					TOTH	Point Lookout  Plug Back TD Elevation Farm or Lease Name						ame			1				
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Du	al Gas							1	7090					Rio	Arriba		á		
	ucing Thru		Reserv	oir Temp. *F	1	dean Annua	Tem	p. *F	Baro, Pres	8. –	Pa			State	4.1				1
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			FL	OW DATA					TUBI	NG	DATA		C	SING	DATA	$\Box$	Du	ration	1
9.	Prover Line	x	Orifice	Press.		Diff.	1	mp.	Press.		Tem		Pre		Temp			of	
	Size		Size	p.s.i.g.		hw	<u> </u>	F	p.s.1.g.	•	•F	·	p.s.	i.g.	• F			low	
SI						·			1102		<u> </u>		108	<u> </u>		1	12.	75 hc	$\psi$
1.	2" X 3	/4" p	os.				ļ		276	<del></del> -	60		10	3			3	hours	اذ
2.						<del> </del>	<u> </u>												_
3.							<u> </u>								ļ				
4.													<b></b>						4
5.			<u>.</u>				<u> </u>								<u> </u>				_
						RATEC	FFL	_OW	CALCUL	ATI	ONS				· · · · · · · · · · · · · · · · · · ·				
	Coeffi	cient		,	.	Pressure	.	Flow	Temp.		Gravit	,		Super		Rate	of Fi	ow	
<b>y</b> 0.	(24 H		_	h <sub>w</sub> P <sub>m</sub>			Factor						ompress.						
				<del> </del>								tor, Fp				<u> </u>	4		
1	_11.0_		<del> </del>			115	1 000 1 240 1 011					1	585	_9_	<del></del>	4			
2.				<del></del>														<del></del>	4
3. 4.					-+	· · · · · · · · · · · · · · · · · · ·					<del></del>								$\dashv$
			<del> </del> -		$\dashv$														$\dashv$
5.			1	<del></del>		I													4
NO.	Pt	Tem	p. •R	T <sub>f</sub>		-			drocarbon R						<del></del>			fcf/bbl.	
1.		+				- 1			of Liquid H						1			Deq.	
2.		-							y Separator					<del>,</del>	-   X X	X X	<u> </u>	XXX	
3.		+				,			y Flowing f										
4.		+				1			tature					P.S.	1			.S.I.A.	
5.								. Julpa							*	<del></del>		R	
Pc	1114	P <sub>c</sub> <sup>2</sup>	124	1.0				n 2					٦	- ·	٦,			2.0	7
NO	Pt2	P	w	P. 2	Pc 2	- P <sub>w</sub> <sup>2</sup> (1)		rc"			1.071	b	(2)	문*	" =-	1	<u>. 05</u>	<u>32</u>	
1		2	88	82.9		58.1	P <sub>2</sub>	- R					L	₽°2 — ₽	<sup>2</sup> _				
2								_		_		_	_						
3						A.C	)F = ∩	<u> </u>	Pc <sup>2</sup>	l"	=	167	0.3						
4							🗸	-	P. 2 - R. 2	1								•	
5																			
42-	olute Open	Flow	1	670.3				Meid	e 15.025	A	le of Sic	ne A		53.13	CI.	pe, n.	0.7	5	
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App	roved By Co	mmissio	n:	Conduct	ed By			<del></del>	Calculated	Bv.			,	Checke	d Bv:				4
			•••			er, Inc			Teftell				}		Thus				
											,								



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MIDLAND, TEXAS MARATHON OIL COMPANY Lease JICARLLA APACHE Well No. 13-E Company \_ \_\_ County \_\_\_\_ RIO\_ARRIBA \_\_\_\_\_ State NEW\_MEXICO\_ Field -POINT LOOKOUT \_Test Date <u>MAY 7, 1981</u> Formation -Shut-in 112.5 hou Status of Well **PRESSURE** DEPTH GRADIENT Feet Psi/Ft. 1700 Psig 0 1102 2000 1188 0.043 4000 1265 0.039 6000 1340 0.038 1600 6600 1360 0.035 6800 1367 0.035 7000 1373 0.035 1500 Datum Pressure Psig 1400 1300 1200 6600KBDatum Ft. Total Depth 7470 Perf. 5126-5150 Ft. Tubing 2 3/8 in. to 7090 Ft. Casing in. to 7473 Ft. Casing Press. 1081 Tubing Press. 1102 1000 Oil Level None Water Level None **Temperature** °F @ Ft. Element No. 47621 Range 0-4000 Last Test Date Pressure Last Test Date Psig B.H.P. Change 6000 7000 2000 3000 4000 5000



JUL 23 1981 OIL CON. COM. DIST. 3



FS GAS WELL GAS WELL OIL WELL GAS WELL OF PICTURED SLIFFS GAS WELL

GAS WELL

OAKOTA OIL WELL

OAKOTA GAS WELL

PICTURE CLIFFS & CHACRA GAS WELL

PICTURE CLIFFS DEEPENED TO DAKOTA

A CHACRA GAS WELL

JICARILLA AREA RIO ARRIBA COUNTY, NEW MEXICO