# STATE OF NEW MEXICO HERGY AND MINERALS DEPARTMENT

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SANTA FE		<u> </u>	_
rice			
U. 6.0.0.			
LAND OFFICE	1		
INAMIPORTER	OIL	l	Ш
INAMSPONIKA	GAS		
OPERATION	<u> </u>		
PROBATION OFFICE		1	1L

## OIL CONSERVATION DIVISION P. O. DOX 2088

SANTA FE, NEW MEXICO 87501

Form C-104 Revised 10-1-78 RECEIVED

- n.e		•	JUL 1 5 1981					
LAND OFFICE	REQUEST FOR							
TRANSPORTER OIL	4A	ND .	0. <b>D</b> .					
OPERATOR	AUTHORIZATION TO TRANSP	PORT OIL AND NATURAL GAS	NAME OF THE PROPERTY OF THE PR					
PRONATION OFFICE								
MESA PETROLEUM CO.	<i></i>							
Address	MIDIAND TEYAS 70701							
_	G,MIDLAND, TEXAS 79701	Other (Please explain)	•					
Reoson(s) for filing (Check proper box, New Well	Change in Transporter of:							
Recompletion	OII Dry Co.	• <b>□</b>						
Change in Ownership	Casingheod Gas Conden	nagte						
If change of ownership give name and address of previous owner								
on white AND	* PACE							
DESCRIPTION OF WELL AND	Well No. Pool Name, Including Fo	ormation Kind of Lease	i -					
SPRING FEDERAL	1 UNDESIGNATED A	ABO C State, Federa	1 or Fee NM 32167					
Location	COUTH	660	MEST					
Unit Letter M ; 660	Feet From The SOUTH Lin	e and 660 Feet From	The WEST					
	waship 6S Range 26	6F , NMPM, CHA	/FS County					
Line of Section 6 T.	Wilsimp 03	V-						
DESIGNATION OF TRANSPORT	TER OF OIL AND NATURAL GA	S	dense (chie (ora is to be cent)					
Name of Authorized Transporter of Cil	or Condensate	Address (Gibe address to miter appro-						
KOCH OIL COMPANY	sinchead Gas or Dry Gas 🕅	P O BOX 1558, BRECKENR!	ved copy of this form is to be sent)					
Name of Authorized Transporter of Car TRANSWESTERN PIPELIN		P O BOX 2018 ROSWELL, N						
	Unit Sec. Twp. Rge.	Is gas actually connected? Wh	en					
If well produces oil or liquids, give location of tanks.	M 6 6S 26E	HO yes!	9-18-81					
Whis production is commingled wi	th that from any other lease or pool,	give commingling order number:						
COMPLETION DATA	Oil Well Gas Well	New Well Workover Deepen	Piug Back   Same Resty, Diff. Resty					
Designate Type of Completion		Y						
Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.					
5-24-81	7-2-81	ye 4415'	4370.					
Mevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation	Top Oll/Gas Pay	Tubing Depth					
3777.4' GR	ABO	3862'	3771 Depth Casing Shoe					
Perforations 40021	·		4412'					
3862'4003'	THRING CASING AND	CEMENTING RECORD	1,5					
HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT					
17 1/2"	13 3/8"	827 '	500/200/200/500					
יין ו	8 5/8"	1758'	500/200/300					
7 7/8"	4 1/2"	4412'	700/350					
	2 3/8"	fier recovery of total volume of load oil	and must be equal to or exceed top allor					
TEST DATA AND REQUEST F	OR ALLOWABLE (Test must be a able for this de	pth or be for full 24 hours;						
OIL WELL Date First New Oil Bun To Tanks	Date of Test	Producing Method (Flow, pump, gas li	ifi, etc.)					
			Choke Size					
Length of Test	Tubing Pressure	Casing Pressure	Dale IT					
	04 751	Water-Bbla.	Gas-MCF Cold					
Actual Prod. During Test	Oil-Bbla.		Choke Size Policy 17, KOC					
GAS WELL			Gravity of Condensate					
Actual Prod. Test-MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Concensus					
1812	Tubing Presewe (Shut-in)	Coming Pressure (Shut-in)	Choke Sixe					
Teeting Method (pitot, back pr.)	980	880	24/64"					
BACK PRESSURE		DIL CONSERVA	TION DIVISION					
CERTIFICATE OF COMPLIAN	CE	SEP 2 5						
T to the could the the rules and	regulations of the Oil Conservation	APPROVED JEI 30	//					
with ballace at a constant with	and that the intermation given	BY W.C.	fresset					
above is true and complete to the	e best of my knowledge and belief.	Gringovi COD I	DISTRICT. II					
XC: NMOCD (6), TLS, CEN	RCDS, ACCTG, ROSWELL, ME	Q,'''22	•					
LAND, D&M, TW, K, P.	ARTNERS, FILE, EEB, LMC,	MTS This form is to be filed in	compliance with MULE 1104,					
PARTNERS (3)	Mart	If this is a request for and	wable for a newly drilled or deepens anied by a tabulation of the deviation					
L. E. LIVINIO	notwe)	Il same taken on the well in acco	STURNER WITH HOLE 1111					
REGULATORY COORDINA	ATOR	All sections of this form must be filled out completely for allo- able on new and recompleted wells.						
	-	11	er tit med 1/1 (of chincum Ol OWNE					
7-10-8	hie)	Il wall want of number of transpor	iter, or other such change of condition at he filed for each pool in multip					
	•	completed wells.	•					

### NEW MEXICO OIL CONSERVATION DIVISION

P. O. DRAWER "DD"

ARTESIA, NEW MEXICO 88210

### RECEIVED

AIR MAIL	SEP 24 1981						
NOTICE OF GAS CONNECTION	O. C. D. ARTESIA, OFFICE	DATE September 21, 1981					
		ivision that connection for the					
purchase of gas from the Mesa Pet	roteum co. /	Operator					
Spring-Federal		M Well #1-Unit Letter <del>unknown</del>					
Lease	_	Well Unit					
6-6S-26E, Chaves County S.T.R.		Wildeat (Abo) Pool					
Transwestern	was made on	September 18, 1981					
Name of purchaser	- <del>-</del>						
	Transwestern Pipeline Company Company						
	H. N. Aicklen Representative						

Supervisor Gas Purchase Contract Administration

Title

cc: Operator

Oil Conservation Division - Santa Fe

#### RECEIVED

•									Test Dat							
ype Test	X Initial		Annual			Special 7-2-81				JUL 1 7 1981						
ompany MESA PETI		co.	Connection			)NNECTED						O. C. D.  ARTESIA, OFFICE				
UNDESIGN				F	ormation ABO						Un	it	ANTE	SIA, C	PERCE	
ompletion Dat		Total Depth				Plug Back TD 4370'			Elevation 3777			Farm or Lease Name SPRING FEDERAL				
7-2-81	Wi.	d	4415'			Perforations:			<u> </u>			Well No.				
4 1/2"	10.5	·		441 Set At		Periorations:		т.			Un			Twp.	Aye.	
2 3/8"	4.7	'		377	71.4	From OP	EN END		·•			unty	6	6S 	26E	
SINGLE	qle - Brode	nhead -	G.G. or G.O.	Multip	ole.		N	BNC				CHAV	ES			
TUBING	F	Reservo:	17 Temp. *F	Med	an Annual	Temp. *F	Baro. Pr 13	. 2	Pa			1EM	MEXICO			
3771	H 3771		65	*	<sup>CO</sup> <sup>2</sup> 1	% N 2	3	% H <sub>2</sub> S	S	CHOKE		Meter	Aun	Taps		
<del></del>	3771		OW DATA			TUBING D		DATA C		CASI	ASING DATA			Durollon		
D. Frover	λ .	rifice Size	Press.		Diff.	Temp.	Press.		Tem •F	ı	Press.		Temp.	170	of Flow	
Size 1						00	980 850		1 a	88 85 81				72	HR SI HR	
. CHOKE		64"	850	<del> </del>		80	775				780			1	HR	
COEFFICI		/64" /64	775 705	-	<del>-</del>	80	705		8		730			1 HR		
		/64	620	+		80	620		- 8		700			.   1 HR		
.		704	020	1												
<u></u>	<del></del>				RATEO	FFLOW	CALCU	LAT	IONS	1-						
Coeff	ficient	_	$\sqrt{h_{\mathbf{w}}P_{\mathbf{m}}}$		Pressure		Flow Temp. Factor				Comp	Super Compress.		Rate of Flow  Q. Moid		
1	Hour)		CHOILE		850		9813		1.24	0			_	1377		
1.33		<u> </u>	CHOKE		775		3813	+	1.240						1713	
1.8		ļ	CHOKE CHOKE		705		9813		1.24					2049		
2.38		<del> </del>	CHOKE		620		9813	1.		1.240		_		2108		
	Temp	• R	Tr	z	G <sub>0</sub>	s Liquid H	Aqtocatpo;	Rotte	0						_ Mc1/bb! Deg	
O. Pr	7					P.1. Gravity							1		XXXX	
·					—— Sp	ecilic Grav ecilic Grav	ity Separc	o Flu		XXX	(XX					
					Sp C,	itical Pres	sure	,,,,,,				_P.S.	1. A.		P.S.1.A	
					Cr	itical Tem	erature _			···			_ R		F	
· .												<del></del>				
Pc 880	Pc 2	774			<del> </del>	$\frac{P_c^2}{P_c^2 - 1}$	_	3.	2116	(2	,[	Pc2	n =	1.85	6	
Ol Pt2	P,		P <sub>w</sub> <sup>2</sup>	Pc2 -	$\frac{P_w^2}{100}$	P-2 - F	 				Pc	<sup>2</sup> – F	ພ² _			
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_!	73		533		84 A	OF = Q	P 21-	2	=							
	1 /	<del> </del>	770			1	_ 'c -	<b>~</b>						·		
5		1	3800			Mc:		5 A:	ngle of S	lope 😝	62.	)°	S1c	pe, n.	.53	
Absolute Ope	n Flow						-5.02									
Hemarks:																
Approved By	Commissio	n:	Conduc				Colcul	oled E	By:	EAS S, JR.		Check	ed By:			
			ומר ו	MATC .	CDAIG		1 - 1	. 151	$M = M \cap S$	J 4 U/V *	- 1					