

OIL CONSERVATION DIVISION

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

NO. OF COPIES REQUIRED	
DISTRIBUTION	
SANTA FE	☒
FILE	☒
U.S.G.S.	
LAND OFFICE	
TRANSPORTER	☒
OPERATOR	☒
PRODUCTION OFFICE	
Operator	

RECEIVED BY
JUN 25 1985
O.C.D.
ARTESIA, OFFICE

REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Maralo, Inc. ✓

Address P. O. Box 832, Mildand, Texas 79702 0382	
Reason(s) for filing (Check proper box)	Other (Please explain)
New Well ☒	Change in Transporter of
Recompletion ☐	Oil ☐ Dry Gas ☐
Change in Ownership ☐	Casinghead Gas ☐ Condensate ☐

If change of ownership give name and address of previous owner

1. DESCRIPTION OF WELL AND LEASE

Lease Name Pecos State "16"	Well No. 3	Pool Name, Including Formation Pecos Slope (Abo)	Kind of Lease State, Federal or Fee State	Lease No. 162979
Location Unit Letter <u>G</u> : <u>1980</u> Feet From The <u>North</u> Line and <u>2080</u> Feet From The <u>East</u> Line of Section <u>16</u> T. <u>4</u> N. <u>6</u> S. Range <u>26</u> E. , NMPM, <u>Chaves</u> County				

2. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil ☐ or Condensate ☐	Address (Give address to which approved copy of this form is to be sent)	
Name of Authorized Transporter of Casinghead Gas ☐ or Dry Gas ☒	Address (Give address to which approved copy of this form is to be sent)	
Spur Pipeline Company	611 Gravier St. #510, New Orleans, LA 70130	
If well produces oil or liquids, give location of tanks.	Unit	Sec. Twp. Rge.
		Is gas actually connected? When
		yes 6-20-85

If this production is commingled with that from any other lease or pool, give commingling order number:

3. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.
		X						
Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.					
5-3-85	5-25-85	4200'	4155'					
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth					
2614.2 GR	Abo	3680	2700'					
Perforations	3744, 3746; 3748, 3750; 3754; 3756; 3862; 3866; 3869; 3873; 3875; 3889; 3891; 3895; 3898; 3901; 3903; 3905; 3956; 3975; 3977; 3979; 3982; 3989; 3991; 3997 (26 holes)						Depth Casing Shoe	
		4200'						
TUBING, CASING, AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET		SACKS CEMENT			
17 1/2"	13 3/8"		905'		500 sx			
7 7/8"	4 1/2"		4200'		1350 sx			
	2 3/8"		3110					

4. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL

(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

Date First New Oil Run To Tank	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil-Bbls.	Water-Bbls.	Gas-MCF

GAS WELL

Actual Prod. Test-MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
CAOP 5.381 MMCF	4	0	
Testing Method (prior, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size
back pr.	840	500	6 - 16/64"

5. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

915 684-744 1
Jenna Coffman
(Signature)
Agent
June 24, 1985
(Date)

OIL CONSERVATION DIVISION

APPROVED JUN 27 1985, 19
Original Signed By
BY Les A. Clements
TITLE Supervisor District II

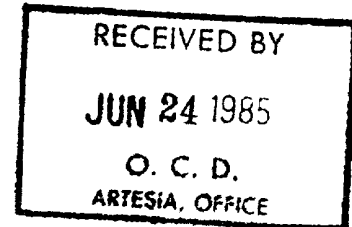
This form is to be filed in compliance with RULE 1104.
If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.
All sections of this form must be filled out completely for allowable on new and recompleted wells.
Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.
Separate Form C-104 must be filed for each pool in multiple completed wells.



SPUR PIPELINE COMPANY
PECOS RIVER GAS PLANT, LTD.

PHONE: 505/624-1800 • ~~409 N. PENNSYLVANIA~~ • ROSWELL, NEW MEXICO 88201
200 W. First Suite 510

June 21, 1985



State of New Mexico
Oil Conservation Division
P. O. Drawer DD
Artesia, New Mexico 88210

Re: Notice of Connection

Dear Sirs:

Please take note of the following information regarding a well connection to our Wishbone Line - Spur Pipeline Company. Well name and legal description are as follows:

1. Pecos "16" State #3 ✓
Section 16, T6S, R26E
Chaves County, New Mexico
Connection date - June 21, 1985

We hope this information meets with your specifications for Notice of Connection. If we can be of any further assistance, please feel free to call on us.

Sincerely yours,

RAULT RESOURCES, INC.

W. R. Dick Davidson
Regional Manager

WRDD/jh
cc: Mr. Joseph M. Rault, Jr.
file

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-12
Revised 9-1-83

45F
File

RECEIVED BY
JUN 17 1985
O. C. D.
ARTESIA OFFICE

Type Test ☒ Initial 4-POINT ☐ Annual ☐ Special		Test Date 6-4-85	
Company MARALO INC.		Connection TO AIR	
Pool PECOS SLOPE <i>file</i>		Formation ABO	
Completion Date 6-1-85		Total Depth 4145-4200	
Plug Hole 4145 4155		Elevation 3641.2	
Form or Lease Name PECOS STATE 16		Well No. 3	
Perforations: From 3746 To 3997	Well No. 3		
Perforations: From 0 To 0	Unit G	Sec. 16	Twp. 6S
	Rge. 26E		
Type Well - Single - (Floodhead - G.O. or G.O. Multiple) SINGLE		Facker Set At 0	
Producing thru TUBING		State NEW MEXICO	
Reservoir Temp. °F 106 @ 3871	Mean Annual Temp. °F 60.0	Baro. Press. - P _g 13.2	
L 3871	H 3871	Q _g 0.617	% CO ₂ 0.02
% N ₂ 4.11	% H ₂ S 0	Prover 0	Meter Run 3.1
Tape FLANGE			

FLOW DATA						TUBING DATA		B.H.P. DATA		Duration of Flow
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. B.H.P.	Press. p.s.i.g.	
SI							989	106	1082	
1.	3.07	X	1.500	140	4.0	70	968	106	1062	6/64
2	3.07	X	1.500	150	12.0	70	945	106	1042	9/64
3	3.07	X	1.500	150	19.0	70	920	106	1021	13/64
4	3.07	X	1.500	200	44.0	70	840	106	971	16/64
5.										

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Compress. Factor F _{sp}	Rate of Flow Q, Mcfd
1	11.13	24.75	153.2	0.9905	1.2731	1.0119	352
2	11.13	44.25	163.2	0.9905	1.2731	1.0127	629
3	11.13	55.68	163.2	0.9905	1.2731	1.0127	791
4	11.13	96.85	213.2	0.9905	1.2731	1.0167	1382
5							

NO.	P ₁	Temp. °R	T ₁	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature
1	0.23	530	1.50	0.977	0	0	0.617	XXXXXX	665	353
2	0.25	530	1.50	0.975				XXXXXX		
3	0.25	530	1.50	0.975				XXXXXX		
4	0.32	530	1.50	0.967				XXXXXX		
5										

NO.	P ₁ ²	P _w ²	R ₁ ²	P ₁ ² - R ₁ ²
1	995.8	992	978	35
2			960	70
3			941	106
4			896	189
5				

(1) $\frac{P_g^2}{R_1^2 - R_2^2} = 5.2520$ (2) $\left[\frac{R_1^2}{R_1^2 - R_2^2} \right]^n = 3.8943$

AOF = Q $\left[\frac{R_1^2}{R_1^2 - R_2^2} \right]^n = 5381$

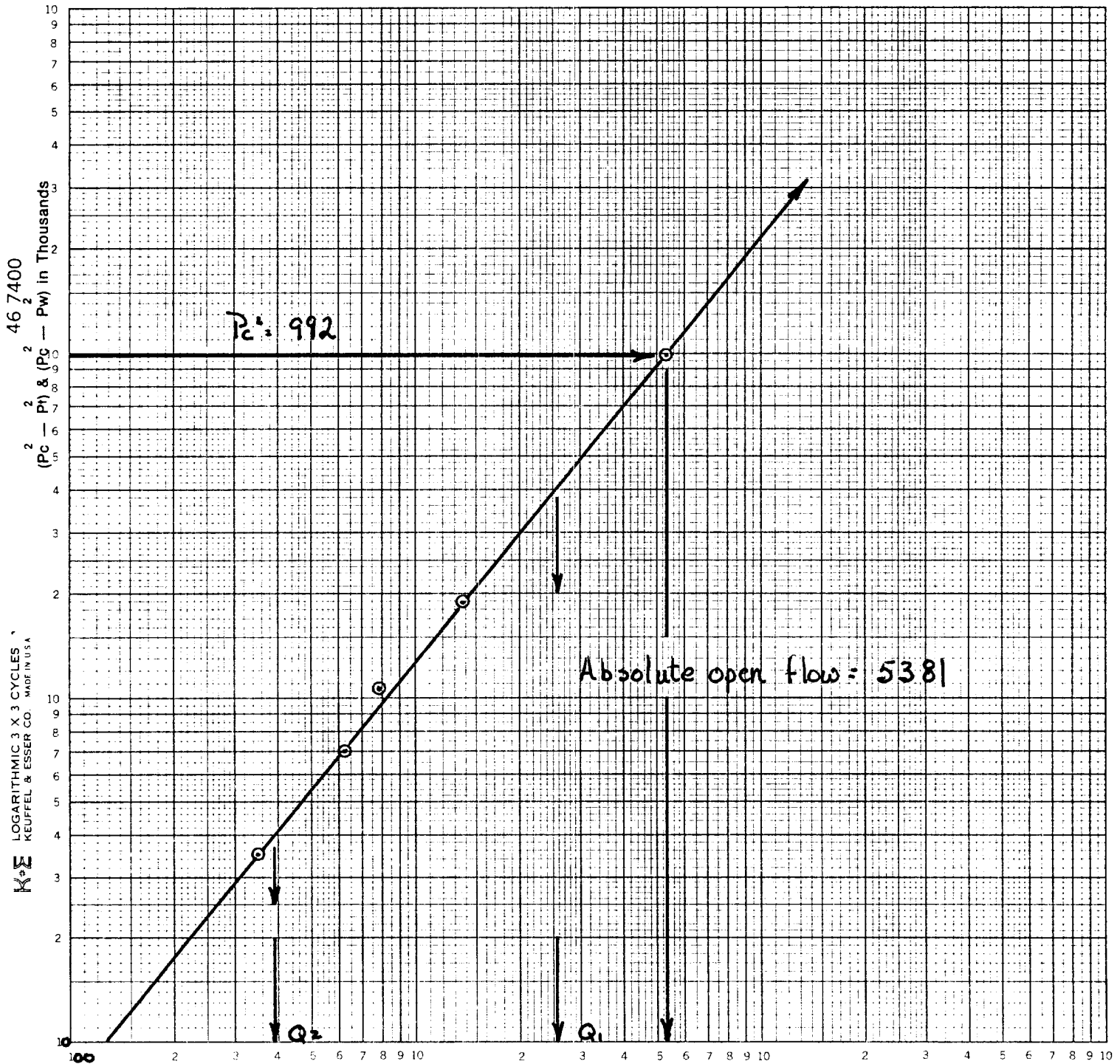
Post IO-2
6-21-85
Comp + BK

Absolute Open Flow	5381	Mcf @ 15.025	Angle of Slope	50.7	Slope, n	0.820
Remarks: B.H.P. MEASURED WITH AMERADA PRESSURE ELEMENT						
Approved By Commission	Conducted By:	Calculated By:	Checked By:			
	BENNETT & CAFFEY	RICHARD TOWNLEY	<i>he</i>			

BENNETT & CATHEY PRODUCTION TESTING BACK PRESSURE CURVE

Operator Maralo Lease Pecos State 16 Well No. 3
 County Chaves Field Pecos Slope Location 16 65 26E
 Date of Test 6-4-85 Slope "n" .820 Angle of Slope 50.7

Calc. Abs. Potential 5381 MCF/D



$$\frac{\Delta P_1^2}{\Delta P_2^2} = \frac{P_c^2 - P_{w1}^2}{P_c^2 - P_{w2}^2} = \frac{400}{40}$$

$$Q_1 = 2583$$

$$Q_2 = 251391$$

Q in MCF/Day

$$\text{LOG } Q_1 = 3.4121$$

$$\text{LOG } Q_2 = 2.5921$$

$$n = 0.820$$