

Submit To Appropriate District Office State Lease - 6 copies Fee Lease - 5 copies <u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 <u>District II</u> 1301 W. Grand Avenue, Artesia, NM 88210 <u>District III</u> 1000 Rio Brazos Rd., Aztec, NM 87410 <u>District IV</u> 1220 S. St. Francis Dr., Santa Fe, NM 87505		State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505		Form C-105 Revised June 10, 2003				
		WELL API NO. 30-015-33509		5. Indicate Type of Lease STATE ☐ FEE ☒				
		State Oil & Gas Lease No.						
WELL COMPLETION OR RECOMPLETION REPORT AND LOG								
1a. Type of Well: OIL WELL ☐ GAS WELL ☒ DRY ☐ OTHER _____			7. Lease Name or Unit Agreement Name Pecos River 14					
b. Type of Completion: NEW ☒ WORK ☐ DEEPEN ☐ PLUG ☐ DIFF. WELL OVER BACK RESVR. ☐ OTHER			8. Well No. 1					
2. Name of Operator Mewbourne Oil Company			9. Pool name or Wildcat Otis Morrow 82360					
3. Address of Operator PO Box 5270 Hobbs, NM 88240								
4. Well Location Unit Letter <u>C</u> : <u>850</u> Feet From The <u>North</u> Line and <u>1650</u> Feet From The <u>West</u> Line Section <u>14</u> Township <u>22S</u> Range <u>27E</u> NMPM Eddy County								
10. Date Spudded 10/18/04	11. Date T.D. Reached 11/27/04	12. Date Compl. (Ready to Prod.) 12/11/04	13. Elevations (DF& RKB, RT, GR, etc.) 3082' GL	14. Elev. Casinghead 3082' GL				
15. Total Depth 12180'	16. Plug Back T.D. 12090'	17. If Multiple Compl. How Many Zones? NA	18. Intervals Drilled By	Rotary Tools Yes	Cable Tools			
19. Producing Interval(s), of this completion - Top, Bottom, Name 11562' - 11740'				20. Was Directional Survey Made No				
21. Type Electric and Other Logs Run DLL w/Micro, DN w/GR & CBL				22. Was Well Cored No				
23. CASING RECORD (Report all strings set in well)								
CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED			
13 3/8"	48#	380'	17 1/2"	400	surface			
9 5/8"	40#	4525'	12 1/4"	2150	surface			
5 1/2"	17#	12180'	8 3/4"	900	TOC @ 7990'			
24. LINER RECORD			25. TUBING RECORD					
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET	
					2 7/8"	11348'	11330'	
26. Perforation record (interval, size, and number) 11562'-11740' (31', 80 holes, 2 SPF, 0.24" EHD)				27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. DEPTH INTERVAL 11562'-11740'			AMOUNT AND KIND MATERIAL USED Frac with 2000 gals 7 1/2% acid followed with 50,000 gals 70Q Binary foam and 50,000 18/40 Versaprop	
28. PRODUCTION								
Date First Production 12/11/04		Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing			Well Status (Prod. or Shut-in) Producing			
Date of Test 12/18/04	Hours Tested 24	Choke Size 13/64"	Prod'n For Test Period	Oil - Bbl 0	Gas - MCF 847	Water - Bbl. 49	Gas - Oil Ratio 847000	
Flow Tubing Press. 1600#	Casing Pressure 0	Calculated 24-Hour Rate	Oil - Bbl. 0	Gas - MCF 847	Water - Bbl 49	Oil Gravity - API - (Corr) NA		
29. Disposition of Gas (Sold, used for fuel, vented, etc.) Sold						Test Witnessed By		
30. List Attachments Deviation Survey and C104								
31. I hereby certify that the information shown on both sides of this form as true and complete to the best of my knowledge and belief								
Signature 		Printed Name Kristi Green		Title Hobbs Regulatory		Date 01/03/05		
E-mail Address kgreen@mewbourne.com								

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 25 through 29 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico		Northwestern New Mexico	
T. Anhy	T. Canyon	T. Ojo Alamo	T. Penn. "B"
T. Salt 804	T. Strawn 10453	T. Kirtland-Fruitland	T. Penn. "C"
B. Salt 1306	T. Atoka 10909	T. Pictured Cliffs	T. Penn. "D"
Lamar Limestone	T. Miss	T. Cliff House	T. Leadville
T. 7 Rivers	T. Devonian	T. Menefee	T. Madison
T. Queen	T. Silurian	T. Point Lookout	T. Elbert
T. Grayburg	T. Montoya	T. Mancos	T. McCracken
T. San Andres	T. Simpson	T. Gallup	T. Ignacio Otzte
T. Glorieta	T. McKee	Base Greenhorn	T. Granite
T. Paddock	T. Ellenburger	T. Dakota	T.
T. Blinebry	T. Gr. Wash	T. Morrison	T.
T. Tubb	T. Delaware Sand 2146	T. Todilto	T.
T. Drinkard	T. Bone Springs 5439	T. Entrada	T.
T. Abo	T. Morrow 11440	T. Wingate	T.
T. Wolfcamp 9042	T. Barnett 12038	T. Chinle	T.
T. Penn	T.	T. Permian	T.
T. Cisco (Bough C)	T.	T. Penn "A"	T.

OIL OR GAS SANDS OR ZONES

No. 1, from.....to.....
No. 2, from.....to.....
No. 3, from.....to.....
No. 4, from.....to.....

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....to.....feet.....
 No. 2, from.....to.....feet.....
 No. 3, from.....to.....feet.....

LITHOLOGY RECORD (Attach additional sheet if necessary)

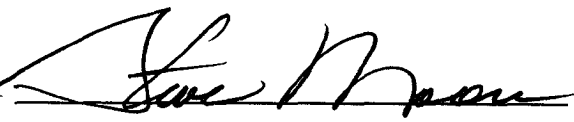
From	To	Thickness In Feet	Lithology

OPERATOR: MEWBOURNE OIL
WELL/LEASE: PECOS RIVER 14 #1
COUNTY: EDDY, NM

045-0021

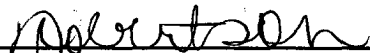
STATE OF NEW MEXICO
DEVIATION REPORT

180	1/4	4,604	1
332	3/4	5,100	3/4
691	2	5,599	1
1,107	3	6,114	1
1,363	3	6,610	1
1,460	3 1/4	7,107	1 1/2
1,572	3	7,393	1
1,683	3 3/4	7,879	1
1,747	3 1/2	8,318	2
1,811	3 1/2	8,623	2
1,906	3 1/4	9,115	1 1/4
1,969	3	9,596	3/4
2,081	2 3/4	10,099	3/4
2,130	2 3/4	10,385	2
2,322	3	10,574	3/4
2,418	3	10,829	2
2,546	3	11,016	1 3/4
2,577	2 3/4	11,266	2
2,674	3	11,487	1 1/4
2,771	2 3/4	11,958	1/2
2,867	2 3/4	12,190	1 1/4
2,963	2 3/4		
3,059	2 1/4		
3,155	2 3/4		
3,251	2 3/4		
3,378	2		
3,474	2 3/4		
3,635	2		
3,730	1 3/4		
3,826	2		
3,920	2		
4,048	1 3/4		
4,168	2		
4,304	1 3/4		
4,432	1 3/4		
4,496	1 1/2		

By 

STATE OF TEXAS
COUNTY OF MIDLAND

The foregoing instrument was acknowledged before me on December 6th, 2004, by
Steve Moore on behalf of Patterson-UTI Drilling Company LP, LLLP.


Notary Public for Midland County, Texas
My Commission Expires: 8/23/2007



J ROBERTSON
Notary Public, State of Texas
My Commission Expires:
August 23, 2007

Submit in duplicate to
appropriate district office.
See Rule 401 & Rule 1122

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

RECEIVED

JAN 21 2005

QCD-ARTERIA

Form C-122
Revised October, 1999

30-015-33509

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator MEWBOURNE OIL				Lease or Unit Name PECOS RIVER 14			
Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 12/14/2004		Well No. 1	
Completion Date 12/18/2004		Total Depth 12180		Plug Back TD 12090		Elevation 3082	
Unit Ltr - Sec - TWP - Rge C 14 22 27E							
Csg. Size 5 1/2	Wt. 17	d 4.892	Set At 12180	Perforations: From: 11562 To: 11740		County EDDY	
Tbg. Size 3 3/8	Wt. 6.5	d 2.441	Set At 11348	Perforations: From: To:		Pool	
Type Well-Single-Bradenhead-G.G. or G.O. Multiple SINGLE				Packer Set At 11330		Formation MORROW	
Producing Thru TUBING		Reservoir Temp. 181		Mean Annual Temp. 60		Baro. Press.-P _a 13.2	
Connection SALES							
L 11330	H 11330	Gg 0.59	%CO ₂ 1.804	%N ₂ 0.728	%H ₂ S N/A	Prover N/A	Meter Run 3.068
						Taps FLG	

FLOW DATA				TUBING DATA				CASING DATA				Duration of Flow
No.	Prover Line Size	Orifice x Size	Press p.s.i.g.	Diff. h _w	Temp.	Press p.s.i.g.	Temp.	Press p.s.i.g.	Temp.			
SI						3733		PKR			24 HRS	
1	3.068 X 1.250		374.49	29.52	72	1600		"			24 HRS	
2												
3												
4												
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 _{pv}	Rate of Flow Q, Mcfd
1							847
2							
3	TOTAL	FLOW	METER				
4							
5							

No.	P _r	Temp. R	T _r	Z	Gas Liquid Hydrocarbon Ratio	DRY GAS	Mcf bbl.
1							
2	TOTAL	FLOW	METER				
3							
4							
5							

A.P. I. Gravity of Liquid Hydrocarbons		DRY		Deg.
Specific Gravity Separator Gas		0.59		XXXXXXX
Specific Gravity Flowing Fluid		XXXXXX		N/A
Critical Pressure		680	P.S.I.A.	N/A
Critical Temperature		351	R.	N/A

P _c	2315.2	P _{c2}	5350.9
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No.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1		1615.7	2610.5	2740.4
2				
3				
4				
5				

(1) $P_c^2 = \frac{1.953}{P_c^2 - P_w^2}$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.953$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.654$

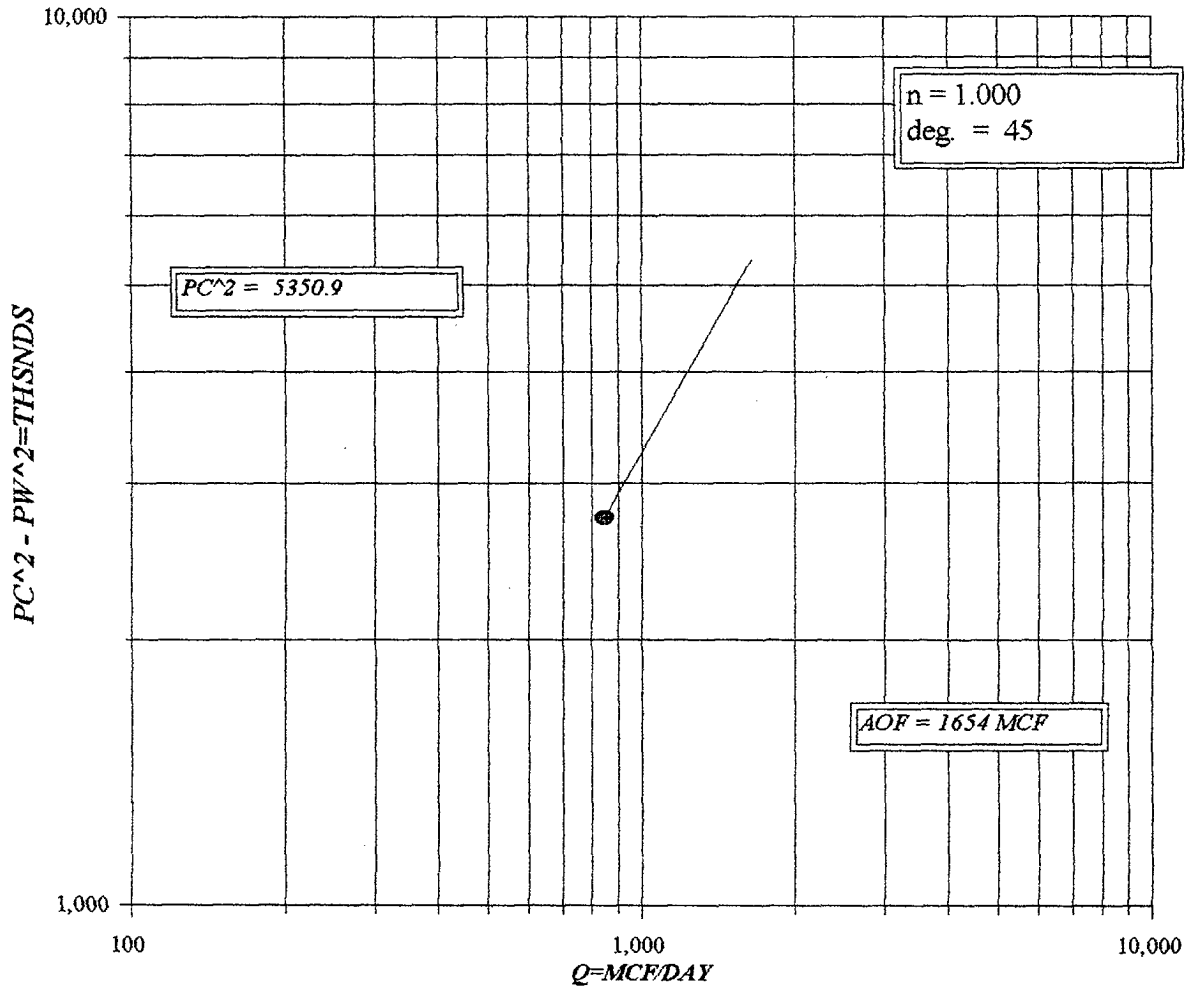
Absolute Open Flow	2	Mcf/d @ 15.025	Angle of Slope (°)	45	Slope, n:	1.000
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Remarks: NO LIQUID MADE DURING TEST.

Approved By Division:	Conducted By: PRO WELL TESTING	Calculated By: MERV BUECKER	Checked By: BM
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MEWBOURNE OIL COMPANY

PECOS RIVER 14 # 1



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Pc = 2313.2      Pc2 = 5350.9 *
                  *
Pt2 = 2602.4      Pw = 1615.7 *
                  *
                  0.0      ERR *
                  0.0      ERR *
                  0.0      ERR *

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VOL 1 :	847	PSIA 1 :	1613.2	RESV.TEMP	181.0
VOL 2 :		PSIA 2 :			
VOL 3 :		PSIA 3 :		SHUT-IN PR=	2313.2
VOL 4 :		PSIA 4 :			

Pc2-Pw2= 2740.4	Pw2 = 2610.5
ERR	ERR
ERR	ERR
ERR	ERR

PCR : 680
TCR : 351

n = 1.000

$$[Pc2/(Pc2-Pw2)] = 1.953$$

LINE	RATE 1		RATE 2		RATE 3		RATE 4	
	1ST	2ND	1ST	2ND	1ST	2ND	1ST	2ND
1 QM	0.847	0.847	0.000	0.000	0.000	0.000	0.000	0.000
2 TW	534	534	534	534	534	534	534	534
3 Ts	641.0	641.0	641.0	641.0	641.0	641.0	641.0	641.0
4 T	587.5	587.5	587.5	587.5	587.5	587.5	587.5	587.5
PR (est)	2.37		0.00		0.00		0.00	
5 Z(est)	0.849	0.841	ERR	ERR	ERR	ERR	ERR	ERR
6 TZ	499.0	493.9	ERR	ERR	ERR	ERR	ERR	ERR
7 GH/TZ	13.420	13.558	ERR	ERR	ERR	ERR	ERR	ERR
8 eS	1.654	1.663	ERR	ERR	ERR	ERR	ERR	ERR
9 l-e-S	0.395	0.399	ERR	ERR	ERR	ERR	ERR	ERR
10 Pt	1613.2	1613.2	0.0	0.0	0.0	0.0	0.0	0.0
11 Pt2 /1000	2602.4	2602.4	0.0	0.0	0.0	0.0	0.0	0.0
12 Fr	0.010763	0.010763	0.010763	0.010763	0.010763	0.010763	0.010763	0.010763
13 Fc=FrTZ	5.370	5.316	ERR	ERR	ERR	ERR	ERR	ERR
14 FcQm	4.55	4.50	ERR	ERR	ERR	ERR	ERR	ERR
15 L/H(FcQm)	20.7	20.3	ERR	ERR	ERR	ERR	ERR	ERR
16 Fw	8.181950	8.079102	ERR	ERR	ERR	ERR	ERR	ERR
17 Pw2	2610.6	2610.5	ERR	ERR	ERR	ERR	ERR	ERR
18 Ps2	4318.1	4340.5	ERR	ERR	ERR	ERR	ERR	ERR
19 Ps	2078.0	2083.4	ERR	ERR	ERR	ERR	ERR	ERR
20 P	1845.6	1848.3	ERR	ERR	ERR	ERR	ERR	ERR
21 Pr	2.71	2.72	ERR	ERR	ERR	ERR	ERR	ERR
22 Tr	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67
23 Z	0.841	0.841	ERR	ERR	ERR	ERR	ERR	ERR

ERR
ERR
ERR

$$[Pc2/Pc2-Pw2]_{II} = 1.953$$
$$AOF = Q \quad 1.654$$

FORM C122-D