

**MEWBOURNE OIL COMPANY** OIL CONSERVATION DIVISION

P.O. BOX 7698  
TYLER, TEXAS 75711  
903 - 561-2900  
FAX 903 - 561-1870

RECEIVED

'91 AUG 26 AM 10 24

August 23, 1991

**CERTIFIED MAIL #P 761 530 552**  
**RETURN RECEIPT REQUESTED**

Mr. David Catanach  
New Mexico Oil Conservation Division  
P. O. Box 2088  
Santa Fe, New Mexico 86701

RE: Application for Commingling  
Federal "R" #1 Well  
S/2 of Section 17-T17S-R27E  
Eddy County, New Mexico

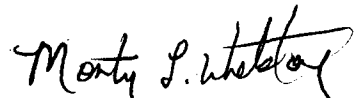
Mr. Catanach:

As per our telephone conversation on August 1, 1991, for administrative approval on the commingling of the above captioned well, please find enclosed the requirements dedicated in Rule 303 of the New Mexico Oil Conservation Division Rules and Regulations.

Also, please find enclosed the waivers we have received from the offset operators who have no objection to the granting of a permit. Additional waivers when received will be sent directly to your attention.

If any additional information is needed, please call.

Sincerely,



Monty L. Whetstone  
Operations Manager

MW/sh  
Enclosures

LEASE NAME: Federal "R" #1  
WELL NUMBER: NM-20351  
WELL LOCATION: 1190' FWL & 660' FSL  
Section 17-17S-27E  
Eddy County, New Mexico

POOLS TO BE COMMINGLED: Hart Draw - Atoka Gas Pool  
Logan Draw - Morrow Gas Pool

Submit 2 copies to Appropriate District Office.

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-116  
Revised 1/1/89

OIL CONSERVATION DIVISION

P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

GAS - OIL RATIO TEST

Operator Mewbourne Oil Company		Pool Hart Draw-Atoka Gas		County Eddy												
Address P. O. Box 7698, Tyler, Texas 75711		TYPE OF TEST - (X) <input checked="" type="checkbox"/> Scheduled <input type="checkbox"/> Special <input checked="" type="checkbox"/>		Completion <input type="checkbox"/>												
LEASE NAME Federal "R" (Morrow Zone)	WELL NO. 1	LOCATION U S T R				DATE OF TEST 6/11/90	STATUS F	CHOKE SIZE 64/64"	TBG. PRESS. 110#	DAILY ALLOW-ABLE	LENGTH OF TEST HOURS 24	PROD. DURING TEST			GAS - OIL RATIO CU. FT./BBL.	
		WATER BBL.S.			GRAV. OIL							OIL BBL.S.	GAS M.C.F.			
	M	17	17S	27E								0	-	0	296	---

Instructions:

During gas-oil ratio test, each well shall be produced at a rate not exceeding the top unit allowable for the pool in which well is located by more than 25 percent. Operator is encouraged to take advantage of this 25 percent tolerance in order that well can be assigned increased allowables when authorized by the Division.

Gas volumes must be reported in MCF measured at a pressure base of 15.025 psia and a temperature of 60° F. Specific gravity base will be 0.60.

Report casing pressure in lieu of tubing pressure for any well producing through casing.

(See Rule 301, Rule 1116 & appropriate pool rules.)

I hereby certify that the above information is true and complete to the best of my knowledge and belief.

Signature

Gaylon Thompson, Engr. Opns. Secretary

Printed name and title

8/02/91

Date

(903) 561-2900

Telephone No.

Submit 2 copies to Appropriate District Office.

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-116  
Revised 1/1/89

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240  
DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210  
DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION  
P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

GAS - OIL RATIO TEST

Operator Mewbourne Oil Company		Pool Hart Draw-Atoka Gas		County Eddy											
Address P. O. Box 7698, Tyler, Texas 75711		TYPE OF TEST - (X) <input checked="" type="checkbox"/> Scheduled <input type="checkbox"/>		Completion <input type="checkbox"/> Special <input checked="" type="checkbox"/>											
LEASE NAME	WELL NO.	LOCATION				DATE OF TEST	SIZE	TBG. PRESS.	DAILY ALLOW-ABLE	LENGTH OF TEST HOURS	PROD. DURING TEST			GAS - OIL RATIO CU. FT/8BL.	
		U	S	T	R						WATER BBL.S.	GRAV. OIL	OIL BBL.S.		GAS M.C.F.
Federal "R" (Atoka Zone)	1	M	17	17S	27E	7/31/91	F 64/64"	260#		24	0	-	0	100	--

Instructions:

During gas-oil ratio test, each well shall be produced at a rate not exceeding the top unit allowable for the pool in which well is located by more than 25 percent. Operator is encouraged to take advantage of this 25 percent tolerance in order that well can be assigned increased allowables when authorized by the Division.

Gas volumes must be reported in MCF measured at a pressure base of 15.025 psia and a temperature of 60° F. Specific gravity base will be 0.60.

Report casing pressure in lieu of tubing pressure for any well producing through casing.

(See Rule 301, Rule 1116 & appropriate pool rules.)

I hereby certify that the above information is true and complete to the best of my knowledge and belief.

Signature Michael Thompson

Gaylon Thompson, Engr. Opms. Secretary

Printed name and title

Date 8/02/91 (903) 561-2900

Telephone No.

Submit to Appropriate  
District Office  
State Lease - 4 copies  
Fee Lease - 3 copies

State of New Mexico  
Geology, Minerals and Natural Resources Department

Form C-102  
Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

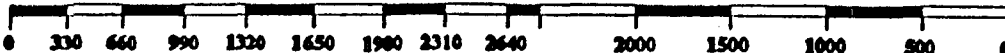
Operator <b>MEWBOURNE OIL COMPANY</b>			Lease <b>FEDERAL "R"</b>		Well No. <b>1</b>
Unit Letter <b>M</b>	Section <b>17</b>	Township <b>17 SOUTH</b>	Range <b>27 EAST</b>	County <b>EDDY</b>	

Actual Footage Location of Well:

660 feet from the South line and 1190 feet from the West line			
Ground level Elev. <b>3367.6</b>	Producing Formation <b>Morrow</b>	Pool <b>Logan Draw Morrow</b>	Dedicated Acreage: <b>320 Acres</b>

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?  
☐ Yes ☐ No If answer is "yes" type of consolidation \_\_\_\_\_  
If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) \_\_\_\_\_  
No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.

MEWBOURNE OIL COMPANY	
320 Acres	NM- 20351
1190'	660'



OPERATOR CERTIFICATION

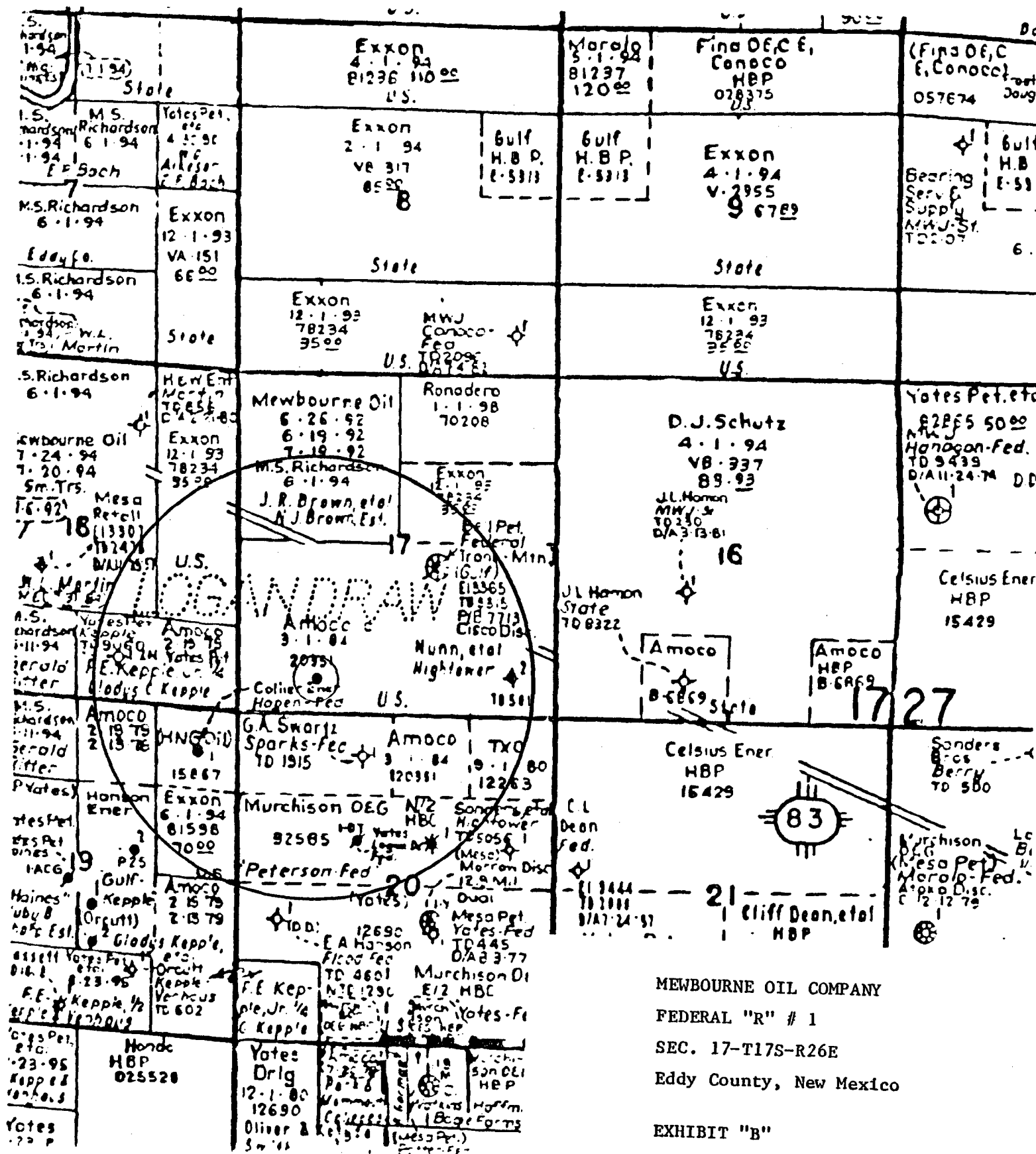
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Signature <i>Bill Pierce</i>
Printed Name <b>W. H. Cravey</b>
Position <b>District Superintendent</b>
Company <b>Mewbourne Oil Company</b>
Date <b>January 16, 1989</b>

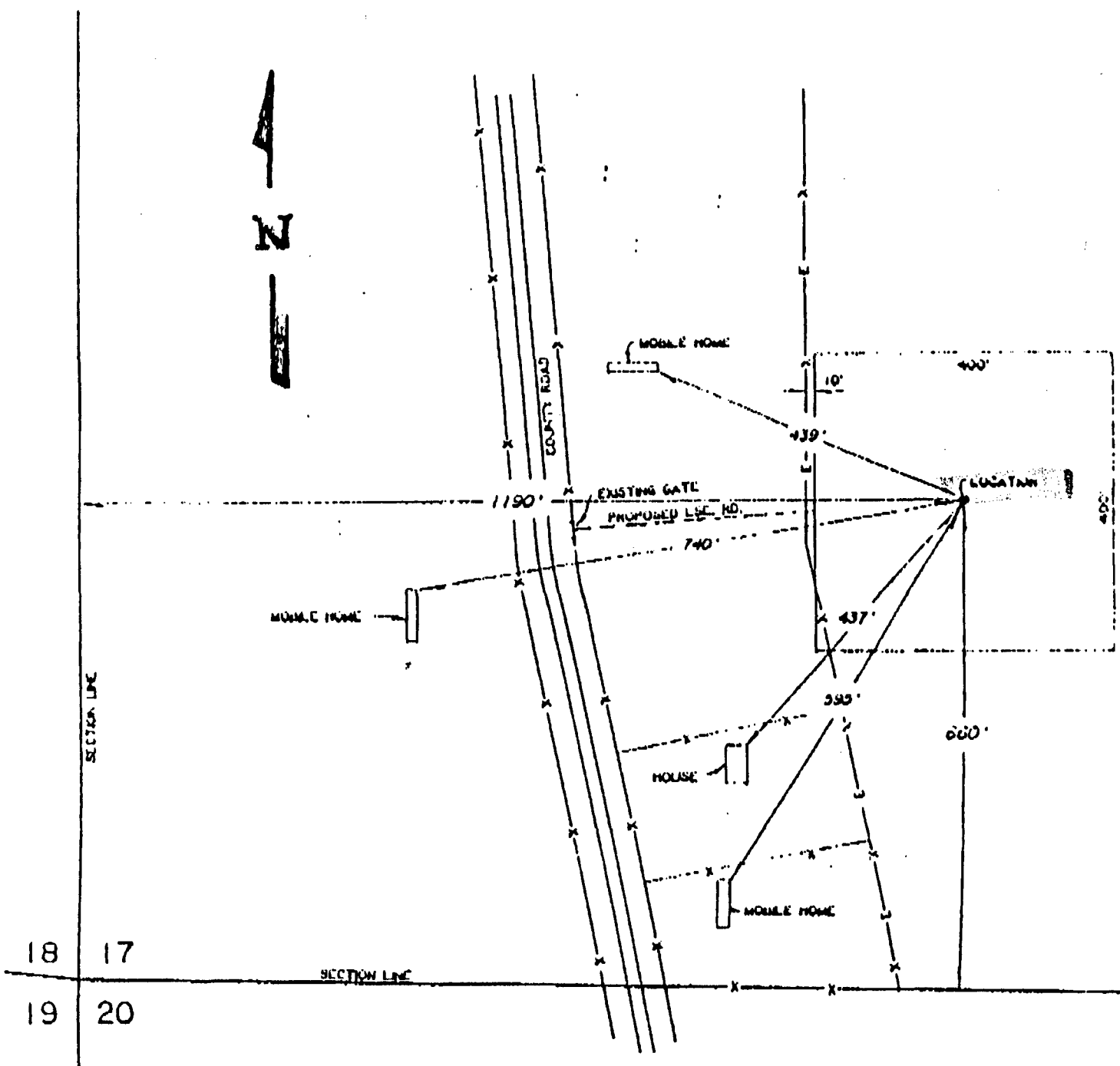
SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed <b>1/05/90</b>
Signature & Seal of Professional Surveyor <i>[Signature]</i>
Certificate No. <b>3640</b>



ADJACENT STRUCTURES IN  
SECTION 17, T-17-S, R-27-E,  
EDDY COUNTY, NEW MEXICO



### LEGEND

— E — ELECTRIC LINE  
— X — FENCE LINE

MEWBOURNE OIL COMPANY  
FEDERAL "R" # 1  
SEC. 17-T17S-R26E  
Eddy County, New Mexico

Exhibit "A"

[illegible]

COMPANY: BENNETT-CATHEY  
CLIENT: MEWBOURNE OIL CO.  
GAUGE NUMBER: 46632  
WELL NAME: FED "R"  
WELL NUMBER: #1  
TEST NUMBER: 1  
LOCATION: N/A  
TEST OPERATOR: JIM SMITH  
COMMENTS: STATIC RUN BEFORE BUILD-UP  
BHT = 148 F.



PAGE START DATE: 8/15/91

GAUGE S/N: 46632

DATA FILE: 2

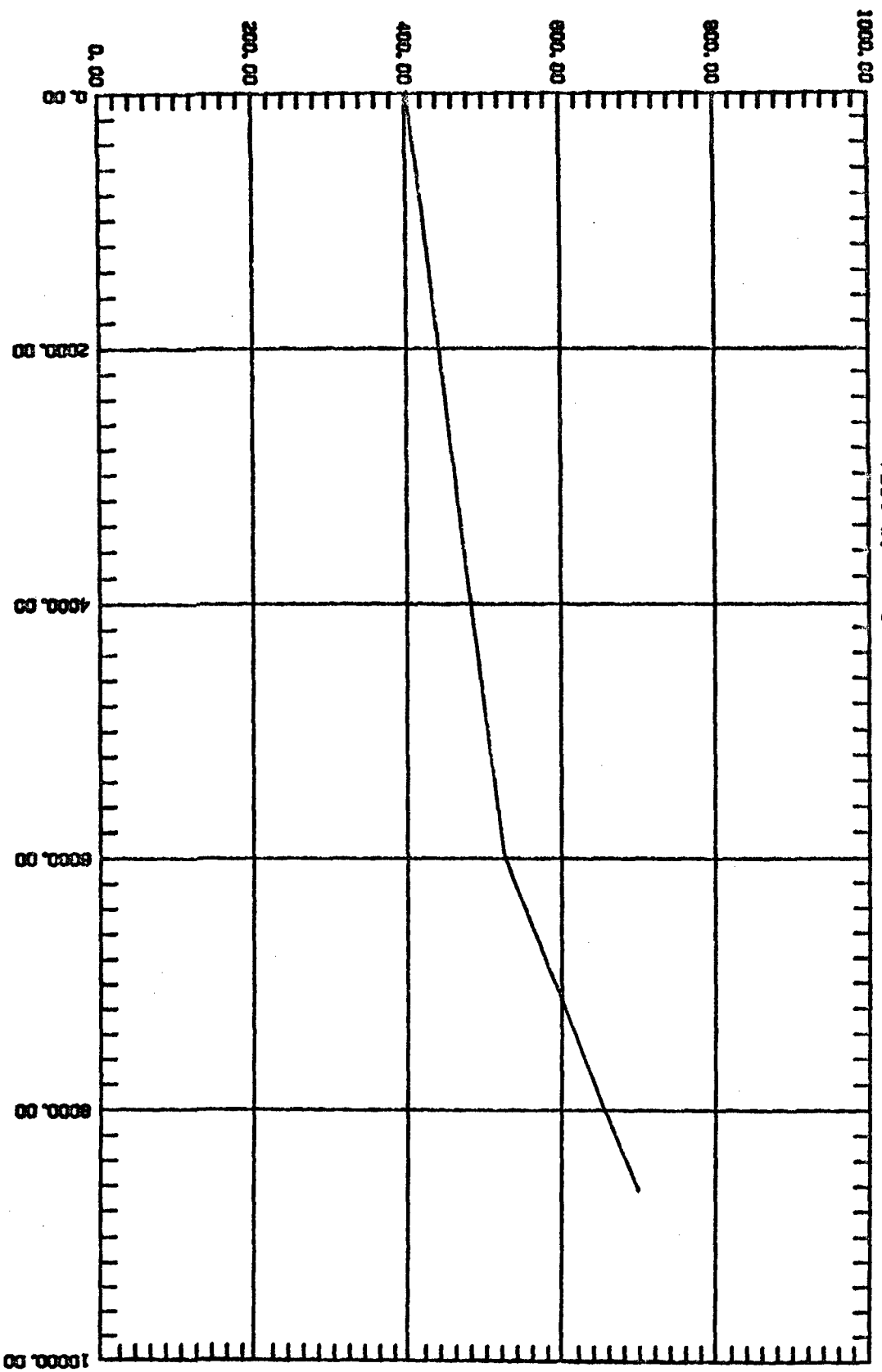
TIME	DELTA TIME HRS	DEPTH FEET	DEFLECTION IN	PRESSURE PSIG	COMMENTS
12:53: 0	0.000	0.00	0.1180	402.27	
13:20:59	0.466	2000.00	0.1290	442.54	0.0201 PSIG/FT
13:36:14	0.721	4000.00	0.1380	482.50	0.0200 PSIG/FT
13:52:53	0.998	6000.00	0.1530	525.91	0.0217 PSIG/FT
13:58: 1	1.084	8000.00	0.1930	655.94	0.0650 PSIG/FT
14: 7:46	1.246	8632.00	0.2020	699.74	0.0693 PSIG/FT

Plot starting date: 8/15/91  
time: 12.53: 0  
Gauge S/N 46632

Company: BENNETT-CATHEY  
Client: NEWBOURNE OIL CO.  
Well name: FED "R"  
Well #: #1  
Test #: 1

Location: N/A  
Operator: JIM SMITH  
Comments: STATIC RUN BEFORE BUILD-UP  
BHT = 148 F.

# PRESSURE - PSIG



# DEPTH - FEET

COMPANY: BENNETT-CATHEY  
CLIENT: MEWBOURNE OIL CO.  
GAUGE NUMBER: 46632  
WELL NAME: FED "R"  
WELL NUMBER: #1  
TEST NUMBER: 1  
LOCATION: N/A  
TEST OPERATOR: JIM SMITH  
COMMENTS: BOMBS RUN TO 8632 FT.  
BHT = 148 F.

PAGE START DATE: 8/15/91

GAUGE S/N: 46632

DATA FILE: 2

DATA POINT	REAL TIME	DELTA TIME HRS	DEFLECTION IN	PRESSURE PSIG	COMMENTS
1	12:53: 0	0.000	0.1180	402.27	
2	13:20:59	0.466	0.1290	442.54	0.0201 PSIG/FT
3	13:36:14	0.721	0.1380	482.50	0.0200 PSIG/FT
4	13:52:53	0.998	0.1530	525.91	0.0217 PSIG/FT
5	13:58: 1	1.084	0.1930	655.94	0.0650 PSIG/FT
6	14: 7:46	1.246	0.2020	699.74	0.0693 PSIG/FT
7	15: 6:57	2.233	0.2030	701.86	BOMBS ON BOTTO
8	16: 9: 9	3.269	0.2034	703.98	
9	17: 7:26	4.241	0.2040	706.10	
10	18: 6:37	5.227	0.2046	708.22	
11	19: 6: 9	6.219	0.2052	710.34	
12	20: 6:24	7.223	0.2058	712.46	
13	21:12: 8	8.319	0.2064	714.58	
14	22:12: 2	9.317	0.2070	716.70	
15	23:15: 7	10.369	0.2078	719.52	
16	0:19:47	11.446	0.2084	721.64	
17	1:22:41	12.495	0.2090	723.76	
18	2:22:14	13.487	0.2096	725.89	
19	3:25: 8	14.536	0.2102	728.01	
20	4:25: 1	15.534	0.2108	730.13	
21	5:25:27	16.541	0.2114	732.25	
22	6:29:14	17.604	0.2122	735.07	
23	7:26: 7	18.552	0.2130	737.90	
24	8:26:11	19.553	0.2138	740.73	
25	9:36:42	20.728	0.2146	743.55	
26	10:41: 1	21.800	0.2154	746.38	
27	11:46:56	22.899	0.2162	749.21	
28	12:51:47	23.980	0.2170	752.03	
29	13:56:49	25.064	0.2178	754.86	
30	15: 2:12	26.153	0.2186	757.69	
31	16: 9:32	27.276	0.2194	760.51	
32	17:15:59	28.383	0.2202	763.34	
33	18:22:15	29.487	0.2210	766.17	
34	19:26:34	30.559	0.2218	768.99	
35	20:30:11	31.620	0.2226	771.82	
36	21:35:34	32.709	0.2234	774.65	
37	22:38:28	33.758	0.2242	777.48	
38	23:42:58	34.833	0.2250	780.30	
39	0:47:28	35.908	0.2258	783.13	
40	1:52: 9	36.986	0.2266	785.96	
41	2:59:39	38.111	0.2274	788.78	
42	4: 4:52	39.198	0.2282	791.61	
43	5:10:15	40.288	0.2290	794.44	
44	6:20:57	41.466	0.2296	796.56	
45	7:32:10	42.653	0.2302	798.68	
46	8:48:33	43.926	0.2308	800.80	
47	10: 3:19	45.172	0.2314	802.92	
48	11:20:24	46.457	0.2320	805.04	
49	12:34:17	47.688	0.2326	807.16	
50	13:44:17	48.855	0.2332	809.28	

PAGE START DATE: 8/17/91

GAUGE S/N: 46632

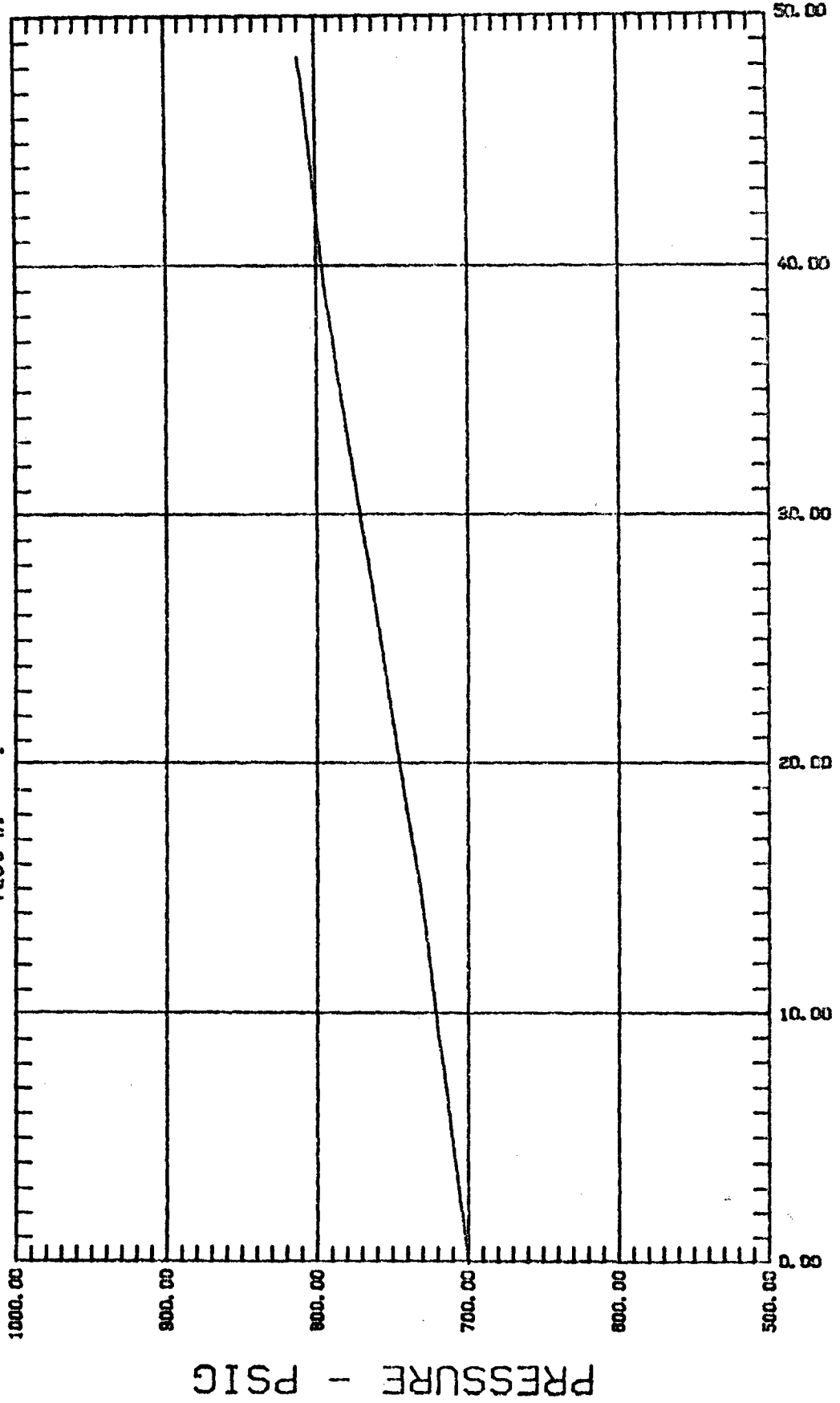
DATA FILE: 2

DATA POINT	REAL TIME	DELTA TIME HRS	DEFLECTION IN	PRESSURE PSIG	COMMENTS
51	14:29: 6	49.602	0.2338	811.40	

Plot starting date: 8/15/91  
time: 14: 7.46  
Gauge S/N 46632

Company: BENNETT-CATHEY  
Client: NEWBOURNE OIL CO.  
Well name: FED "R"  
Well #: #1  
Test #: 1

Location: N/A  
Operator: JIM SMITH  
Comments: COMBS RUN TO 8632 FT.  
BHT = 148 F.



**MEWBOURNE OIL COMPANY**

P.O. BOX 7698  
TYLER, TEXAS 75711  
903 - 561-2900  
FAX 903 - 561-1870

August 22, 1991

New Mexico Oil Conservation Division  
P. O. Box 2088  
Santa Fe, New Mexico 86701

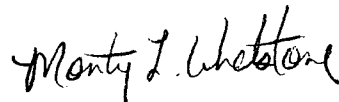
RE: Federal "R" #1

Dear Sir:

A fluid sample was unable to be taken from the morrow zone (8898-8908') due to only producing the zone for five days. The gravity of the condensate taken from the C-122 back pressure test is 55.9°.

From experience with these reservoirs, it is our conclusion that the reservoir fluids, whether connate water or condensate/oil, do not show any indication of being incompatible.

Sincerely,

A handwritten signature in cursive script that reads "Monty L. Whetstone".

Monty L. Whetstone  
Operations Manager

MW/sh

# MEWBOURNE OIL COMPANY

P.O. BOX 7698  
TYLER, TEXAS 75711  
903 - 561-2900  
FAX 903 - 561-1870

August 22, 1991

New Mexico Oil Conservation Division  
P. O. Box 2088  
Santa Fe, New Mexico 86701

RE: Federal "R" #1

Dear Sir:

The allocation of production to each of the commingled zones should be as follows:

Atoka Zone (8626-8638')	=	13%
Morrow Zone (8898-8908')	=	87%
Total Production		100%

This allocation was calculated using reservoir gas in place calculations with abandonment pressures of 500 psia for each reservoir. The morrow zone had produced only five days in June of 1990. The Atoka zone has produced for six months and a current bottom hole pressure has been obtained for these calculations. The bottom hole pressure for the Morrow zone was calculated from initial shut-in tubing pressures. The calculations do not consider surface conditions, such as line pressure, friction in surface piping, etc., and does not take into account drainage from other units. The formula is as follows:

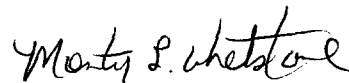
Gas in place:  $43,560 * \emptyset * (1 - S_w) * (Bq_i - Bq_a)$

Ga = Gas in place - Atoka	$\emptyset$ = Porosity (ac-ft)
Gm = Gas in place - Morrow	Sw = Water Saturation
Gt = Gas in place - Total	Bqi = Reservoir Factor
Bqa = Reservoir Vol. Factor at Abandonment	(Initial for Morrow, Current for Atoka)

Gt = Ga + Gm      Ga/Gt = .13      Gm/Gt = .87

If any additional information is needed, please call.

Sincerely,



Monty L. Whetstone  
Operations Manager

MW/sh





# Laboratory Services

1331 Tasker Drive  
Hobbs, New Mexico 88240

Telephone: (505) 397-3713

FOR:

Pro Well Testing & Wireline  
Attention: Mr. Keith Norvell  
P. O. Box 791  
Hobbs, New Mexico 88241

STATION

SAMPLE

IDENTIFICATION: Federal "R" #1

COMPANY: Mewbourne Oil Co.

LEASE:

PLANT:

SAMPLE DATA: DATE SAMPLED: 07/09/90 3:05PM GAS (XX) LIQUID ( )  
ANALYSIS DATE: 07-09-90 SAMPLED BY: Keith Norvell  
PRESSURE - PSIG 300.00 ANALYSIS BY: Rolland Perry  
SAMPLE TEMP. °F 84.00  
ATMOS. TEMP. °F 92.00

REMARKS:

## COMPONENT ANALYSIS

COMPONENT		MOL PERCENT	GPM	
OXYGEN	(O2)			
Hydrogen Sulfide	(H2S)	0.00		
Nitrogen	(N2)	0.84		
Carbon Dioxide	(CO2)	5.09		
Methane	(C1)	81.39		
Ethane	(C2)	7.32	1.947	
Propane	(C3)	3.22	0.882	
I-Butane	(IC4)	0.49	0.159	
N-Butane	(NC4)	0.88	0.277	
I-Pentane	(IC5)	0.25	0.091	
N-Pentane	(NC5)	0.19	0.069	
Hexane	(C6)	0.33	0.143	
Heptanes Plus	(C7+)	0.00	0.000	
		100.00	3.568	
BTU/CU.FT. - DRY	14.73	1111	MOLECULAR WT	20.5534
AT 14.650 DRY	14.676	1107		
AT 14.650 WET		1088	26# GASOLINE -	0.395
AT 15.025 DRY		1136		
AT 15.025 WET		1116		
SPECIFIC GRAVITY -				
CALCULATED		0.710		
MEASURED		0.000		

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE  
(Other Instructions on re-

Form approved.  
Budget Bureau No. 1004-011  
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.  
NM-20351

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

FEDERAL "R"

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Logan Draw Morrow

11. SEC., T., R., M., OR BLK. AND  
SURVEY OR ALMA

17-17S-27E

12. COUNTY OR PARISH 13. STATE

Eddy

N.M.

SUNDRY NOTICES AND REPORTS ON WELLS  
(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL ☐ GAS WELL ☒ OTHER

2. NAME OF OPERATOR

Mewbourne Oil Company

3. ADDRESS OF OPERATOR

P. O. Box 7698, Tyler, Texas 75711

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.  
See also space 17 below.)

At surface

1190' FWL & 660' FSL

14. PERMIT NO.

API #30-015-26302

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

KB 3383.1, GL 3367.6'

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETION

ABANDON\*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

Set Production Casing

(NOTE: Report results of multiple completion on Well  
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

4/13/90 - TD 9120'. Ran 223 joints of 4-1/2" casing as follows:

1 - 4-1/2" Float Shoe	1.20'
1 - 4-1/2" 11.6# N-80 Used Shoe Joint	43.98'
1 - 4-1/2" Float Collar	.82'
67 - jts 4-1/2" 11.6# N-80 Used Casing	2846.88'
85 - jts 4-1/2" 10.5# K-55 Used Casing	3550.76'
38 - jts 4-1/2" 11.6# N-80 Used Casing	1343.62'
12 - jts 4-1/2" 11.6# M-75 Used Casing	505.51'
21 - jts 4-1/2" 11.6# N-80 Used Casing	858.75'
Total	9151.52'
KB Correction	31.52'
Set at	9120.00'

Halliburton cemented with 1700 sxs Howco Lite containing 5#/sx Gilsonite + 1#/sx Flocele + .5% Halad 22-A + .3% CFR-3 followed by 200 sxs Class "H" containing 5#/sx KCL + .3% CFR-3 + .5% Halad 22-A. Full returns while cementing. Pumped plug down with 150 gallons 10% acetic acid followed by 2% KCL water. Plug down to 9074' at 2:15 AM 4/14/90. Floats held OK.

18. I hereby certify that the foregoing is true and correct

SIGNED Raymond Thompson TITLE Engr. Oprns. Secretary

DATE 7/06/90

(This space for Federal or State office use)

ACCEPTED FOR RECORD

APPROVED BY \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

TITLE \_\_\_\_\_

DATE

JUL 1 7 1990

\*See Instructions on Reverse Side CARLSBAD, NEW MEXICO

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE  
(Other instructions on re-  
verse side)

RECEIVED

Form approved.  
Budget Bureau No. 1004-013  
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.  
NM-20351

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir in a different formation.)  
Use "APPLICATION FOR PERMIT—" for such proposals.)

JUL 11 10 40 AM '90

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>	7. UNIT AGREEMENT NAME CRS
2. NAME OF OPERATOR Mewbourne Oil Company	8. FARM OR LEASE NAME FEDERAL "R"
3. ADDRESS OF OPERATOR P. O. Box 7698, Tyler, Texas 75711	9. WELL NO. 1
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 1190' FWL & 660' FSL	10. FIELD AND POOL, OR WILDCAT Logan Draw Morrow
14. PERMIT NO. API #30-015-26302	11. SEC., T., R., M., OR BLM. AND SURVEY OR AREA 17-17S-27E
15. ELEVATIONS (Show whether DF, WT, GR, etc.) KB 3383.1', GL 3367.6'	12. COUNTY OR PARISH Eddy
	13. STATE N.M.

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETION <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input checked="" type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input checked="" type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <input type="checkbox"/>	

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

5/26/90 - Perforated Morrow zone 8898-8908', 10' x 11 holes. Acidized perfs with 1000 gals 7-1/2% MOD 101 acid + additives + 20 ball sealers + 500 SCF/bbl of N<sub>2</sub>. FBP 4200#, MPP 6000# at ball out. Min PP 2370# at 5 BPM. Avg PP 3500# at 4.2 BPM. Had good ball action. Balled out. ISIP 3800# (5 mins 2240#, 10 mins 1880#, 15 mins 1750#) Well started flowing back. Flowed 1 hr and died. Swabbed well with IFL 4300' from surface. Swabbed down to packer. Waited 1 hr. Had 600' fluid entry scattered to packer. Waited 2 hrs. Had 700' fluid entry scattered to packer. No show of gas.

6/01/90 - RU Halliburton and reperforated Morrow 8898'-8908' with 20 additional holes. Foam fraced with 7000 gals gelled 2% KCL water + 58 tons of CO<sub>2</sub> + 11,800# of 20/40 Interprop. Avg Press 7400# at 8 BPM, Max Press 8450# at 7 BPM, Min Press 7300# at 8 BPM. ISDP 4300#, 5 mins 3540#, 10 mins 3410#, 15 mins 3340#. Left well shut-in 4 hrs. SITP 1450#. Well started flowing back through production unit. No show of natural gas.

6/14/90 - MIRU completion unit. RU Pro Wireline and set "N" plug in packer assembly at 8709'. Bled press off tubing and loaded with 2% KCL water. Pressured to 900#. Held okay.

18. I hereby certify that the foregoing is true and correct

SIGNED Raylon Thompson TITLE Engr. Oprns. Secretary DATE 7/06/90

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY: \_\_\_\_\_

ACCEPTED FOR RECORD

Adm

JUL 17 1990

\*See Instructions on Reverse Side CARLSBAD, NEW MEXICO

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE\*  
(Other instructions on reverse side)

Form approved  
Budget Bureau No. 1004-0115  
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.

NM-20351

9. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

FEDERAL "R"

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

11. SEC., T., R., M., OR BLM. AND  
SURVEY OR AREA

17-17S-27E

12. COUNTY OR PARISH

Eddy

13. STATE

N.M.

OIL WELL ☐ GAS WELL ☒ OTHER

2. NAME OF OPERATOR

Mewbourne Oil Company

3. ADDRESS OF OPERATOR

P. O. Box 7698, Tyler, Texas 75711

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
At surface

1190' FWL & 660' FSL

14. PERMIT NO.

API #30-015-26302

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

KB 3383.1', GL 3367.6'

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETION

ABANDON\*

CHANGE PLANE

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

6/15/90 - RU Halliburton and perforated Atoka formation 8626-38'. 12' x 24 holes. Acidized Atoka perfs with 1500 gals 7½% Mor-Flo BC acid + additives + 1000 scf/bbl of N2 + 50 ball sealers. FBP 5200#, Max PP 6500# at ballout. Min PP 5060# at 4.5 BPM. Avg PP 5890# at 3.2 BPM. Had good ball action. Balled off. Well started flowing.

6/20/90 - MIRU Halliburton. Foam fraced Atoka formation with 45 tons CO2 + 85 bbls of gelled 2% KCL water + 6300# of 20/40 Interprop + additives. Max PP 9250# at 6 BPM, Min PP 8650# at 5.7 BPM. Avg PP 9000# at 6 BPM. Flushed with straight 2% KCL water. ISIP 3850# (15 mins 3330#). Started flowing well back.

RECEIVED  
JUL 11 10 40 AM '90  
CARLSBAD  
OFFICE  
RECORDS

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE Engr. Oprns. Secretary

DATE 7/06/90

(This space for Federal or State office use)

ACCEPTED FOR RECORD

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

JUL 1 7 1990

\*See Instructions on Reverse Side CARLSBAD, NEW MEXICO

P. O. BOX 7698  
TYLER, TEXAS 75711

DATE	DAILY REPORTS
APR 30 1991	0 BO, 0 BW, 264 MCF, 225# TP, 19/64" choke.
MAY 01 1991	0 BO, 0 BW, 293 MCF, 225# TP, 19/64" choke.
MAY 02 1991	0 BO, 0 BW, 169 MCF, 225# TP, 19/64" choke.
MAY 03 1991	0 BO, 0 BW, 207 MCF, 225# TP, 19/64" choke.
MAY 04 1991	0 BO, 0 BW, 239 MCF/D, 225# TP, 19/64" choke, well has stabilized. Will delete from report.

# MEWLOURNE OIL COMPANY

P. O. BOX 7698  
TYLER, TEXAS 75711

Lease Federal "R" Well No. 1 Location \_\_\_\_\_  
 County Eddy State New Mexico Section \_\_\_\_\_  
 Block \_\_\_\_\_ Township \_\_\_\_\_ Range \_\_\_\_\_ Page 12

DATE	DAILY REPORTS
MAR 29 1991	0 BO, 0 BW, 359 MCF, 250# TP, 19/64" choke.
MAR 30 1991	0 BO, 0 BW, 334 MCF, 250# TP, 19/64" choke.
MAR 31 1991	0 BO, 0 BW, 313 MCF, 250# TP, 19/64" choke.
APR 01 1991	0 BO, 0 BW, 338 MCF, 250# TP, 19/64" choke.
APR 02 1991	0 BO, 0 BW, 306 MCF, 250# TP, 19/64" choke.
APR 03 1991	0 BO, 0 BW, 313 MCF, 250# TP, 19/64" choke.
APR 04 1991	0 BO, 0 BW, 313 MCF, 250# TP, 19/64" choke.
APR 05 1991	0 BO, 0 BW, 313 MCF, 250# TP, 19/64" choke.
APR 06 1991	0 BO, 1.67 BW, 330 MCF, 250# TP, 19/64" choke.
APR 07 1991	0 BO, 0 BW, 286 MCF, 250# TP, 19/64" choke.
APR 08 1991	0 BO, 0 BW, 293 MCF, 250# TP, 19/64" choke.
APR 09 1991	0 BO, 0 BW, 306 MCF, 365# TP, 19/64" choke, 360# LP.
APR 10 1991	0 BO, 1.67 BW, 316 MCF, 250# TP, 19/64" choke.
APR 11 1991	0 BO, 0 BW, 293 MCF, 250# TP, 19/64" choke.
APR 12 1991	0 BO, 0 BW, 286 MCF, 225# TP, 19/64" choke.
APR 13 1991	0 BO, 0 BW, 286 MCF, 225# TP, 19/64" choke.
APR 14 1991	0 BO, 0 BW, 293 MCF, 225# TP, 19/64" choke.
APR 15 1991	0 BO, 0 BW, 293 MCF, 225# TP, 19/64" choke.
APR 16 1991	0 BO, 0 BW, 267 MCF, 225# TP, 19/64" choke.
APR 17 1991	0 BO, 0 BW, 267 MCF, 225# TP, 19/64" choke.
APR 18 1991	0 BO, 0 BW, 267 MCF, 240# TP, 19/64" choke.
APR 19 1991	0 BO, 0 BW, 207 MCF, 225# TP, 19/64" choke.
APR 20 1991	0 BO, 0 BW, 207 MCF, 225# TP, 19/64" choke.
APR 21 1991	0 BO, 0 BW, 169 MCF, 225# TP, 19/64" choke.
APR 22 1991	0 BO, 0 BW, 207 MCF, 225# TP, 19/64" choke.
APR 23 1991	0 BO, 0 BW, 169 MCF, 225# TP, 19/64" choke.
APR 24 1991	0 BO, 0 BW, 168 MCF, 225# TP, 19/64" choke.
APR 25 1991	0 BO, 0 BW, 169 MCF, 225# TP, 19/64" choke.
APR 26 1991	0 BO, 0 BW, 169 MCF, 225# TP, 19/64" choke.
APR 27 1991	0 BO, 0 BW, 267 MCF, 225# TP, 19/64" choke.
APR 28 1991	0 BO, 0 BW, 447 MCF, 225# TP, 19/64" choke.
APR 29 1991	0 BO, 0 BW, 338 MCF, 225# TP, 19/64" choke.

# MEWLOURNE OIL COMPANY

P. O. BOX 7698  
TYLER, TEXAS 75711

Lease Federal "R" Well No. 1 Location \_\_\_\_\_  
 County Eddy State New Mexico Section \_\_\_\_\_  
 Block \_\_\_\_\_ Township \_\_\_\_\_ Range \_\_\_\_\_ Page 11

DATE	DAILY REPORTS
FEB 27 1991	SITP 2150#. Turned on well @ 2:00 PM 2/26/91 on a 11/64" choke. Initial sales 930 MCF/D.
FEB 28 1991	11 BO, 0 BW, 451 MCF, 1900# TP, 8/64" choke.
MAR 01 1991	3 BO, 0 BW, 255 MCF, 1875# TP, 8/64" choke.
MAR 02 1991	13 BO, 0 BW, 494 MCF, 1700# TP, 8/64" choke.
MAR 03 1991	0 BO, 0 BW, 507 MCF, 1625# TP, 8/64" choke.
MAR 04 1991	0 BO, 0 BW, 508 MCF, 1610# TP, 8/64" choke.
MAR 05 1991	0 BO, 0 BW, 447 MCF, 1290# FTP, 8/64" choke.
MAR 06 1991	0 BO, 0 BW, 389 MCF, 1190# FTP, 8/64" choke.
MAR 07 1991	0 BO, 0 BW, 361 MCF, 1250# FTP, 8/64" choke.
MAR 08 1991	0 BO, 0 BW, 564 MCF, 1190# FTP, 10/64" choke. Changed plat 1.125". Unable to increase gas rate until receive approval from Enron.
MAR 09 1991	0 BO, 0 BW, 497 MCF, 140# FTP, 8/64" choke.
MAR 10 1991	0 BO, 0 BW, 471 MCF, 1075# FTP, 8/64" choke.
MAR 11 1991	0 BO, 0 BW, 433 MCF, 1060# FTP, 8/64" choke.
MAR 12 1991	0 BO, 0 BW, 432 MCF, 990# FTP, 8/64" choke.
MAR 13 1991	0 BO, 0 BW, 395 MCF, 975# FTP, 8/64" choke.
MAR 14 1991	0 BO, 0 BW, 361 MCF, 940# FTP, 8/64" choke.
MAR 15 1991	0 BO, 0 BW, 576 MCF, 750# FTP, 13/64" choke.
MAR 16 1991	0 BO, 0 BW, 240 MCF, 1075# FTP, 15/64" choke.
MAR 17 1991	1.67 BO, 0 BW, 559 MCF, 740# TP, 15/64" choke.
MAR 18 1991	1.67 BO, 0 BW, 640 MCF, 475# TP, 18/64" choke.
MAR 19 1991	0 BO, 1.67 BW, 579 MCF, 425# TP, 18/64" choke.
MAR 20 1991	0 BO, 0 BW, 502 MCF, 400# TP, 18/64" choke.
MAR 21 1991	0 BO, 0 BW, 438 MCF, 375# TP, 18/64" choke.
MAR 22 1991	0 BO, 0 BW, 473 MCF, 220# TP, 22/64" choke.
MAR 23 1991	1.67 BO, 0 BW, 442 MCF, 260# TP, 19/64" choke.
MAR 24 1991	0 BO, 1.67 BW, 409 MCF, 250# TP, 19/64" choke.
MAR 25 1991	0 BO, 0 BW, 426 MCF, 260# TP, 19/64" choke.
MAR 26 1991	0 BO, 0 BW, 409 MCF, 250# TP, 19/64" choke.
MAR 27 1991	0 BO, 0 BW, 392 MCF, 250# TP, 19/64" choke.
MAR 28 1991	0 BO, 0 BW, 374 MCF, 250# TP, 19/64" choke.

**MEWBOURNE OIL COMPANY**  
**P. O. BOX 7698**  
**TYLER, TEXAS 75711**

Lease FEDERAL "R" Well No. 1 Location \_\_\_\_\_  
 Section \_\_\_\_\_ Block \_\_\_\_\_ Township \_\_\_\_\_ Range \_\_\_\_\_  
 Survey \_\_\_\_\_ County Eddy State NM Proposed Depth \_\_\_\_\_  
 API No. \_\_\_\_\_ Permit No. \_\_\_\_\_ Permit Date \_\_\_\_\_ Acreage \_\_\_\_\_  
 Drilling Contractor \_\_\_\_\_ Rig No. \_\_\_\_\_ Page 10

DATE	DAILY REPORTS
JUN 20 1990	MIRU Halliburton and foam-fraced the Atoka zone with 45 tons of CO <sub>2</sub> + 85 bbls. of gelled 2% KCL water + 6300# of 20-40 Interprop + additives. Max. PP 9250# at 6 BPM, Min. PP 8650# at 5.7 BPM, Avg. PP 9000# at 6 BPM. Flushed with straight 2% KCL water. ISIP 3850# (15 mins. 3330#). Total LTRC 119 bbls. of load water. Left well shut-in for 4 hours, SITP 1750#. Started flowing well back. At 8:30 PM, well flowing on 10/64" choke. FTP 1050#, 200# back pressure, gas volume 918 MCF/D. Well had flowed back 37 bbls. of load water. Left well flaring overnight. DWC: \$35,477.21, TWC: \$442,889.06.
JUN 21 1990	FTP 1275#, 10/64" choke. Gas volume 909 MCF/D. Made 10 BC and 6 BW in 10-1/2 hrs. RD completion unit. DWC: \$750.00, TWC: \$43,639.06.
JUN 22 1990	10 BO, 6 BW, 1.11 MMCF. FTP 750#. 12/64" choke.
JUN 23 1990	SITP 1550#.
JUN 24 1990	SITP 1900#.
JUN 25 1990	SITP 1550#.
JUN 26 1990	SITP 1550#.
JUN 27 1990	SITP 1550#. Final report until gas line is connected.
JUL 06 1990	SITP 2000#. Opened well up and started flaring well under the supervision of a flow crew. Flowing well to obtain gas sample for Transwestern and obtain a pressure drawdown on the formation in order to run a 72 hr. SI BHP survey.
JUL 07 1990	16 BO, 3-1/2 BW, 1.100 MMCF/D. FTP 610#, 400# Back pressure. 19/64" choke. Ran BHP bombs and SWI for 72 hr. build-up.
JUL 08 1990	S.I. for 72 hr. build-up.
JUL 09 1990	S.I. Waiting on Pipeline.
FEB 15 1991	NNG started digging ditch for gas line.



MEWBOURNE OIL COMPANY  
P. O. BOX 7698  
TYLER, TEXAS 75711

Lease FEDERAL "R" Well No. 1 Location \_\_\_\_\_  
Section \_\_\_\_\_ Block \_\_\_\_\_ Township \_\_\_\_\_ Range \_\_\_\_\_  
Survey \_\_\_\_\_ County Eddy State NM Proposed Depth \_\_\_\_\_  
API No. \_\_\_\_\_ Permit No. \_\_\_\_\_ Permit Date \_\_\_\_\_ Acreage \_\_\_\_\_  
Drilling Contractor \_\_\_\_\_ Rig No. \_\_\_\_\_ Page 9

DATE	DAILY REPORTS
JUN 09 1990	0 BO, 0 BW, 312 MCF. FTP 160#.
JUN 10 1990	0 BO, 0 BW, 355 MCF. FTP 120#. 64/64" choke.
JUN 11 1990	0 BO, 0 BW, 296 MCF. FTP 110#. 64/64" choke.
JUN 12 1990	0 BO, 0 BW, 355 MCF/D, FTP 100#.
JUN 13 1990	0 BO, 0 BW, 383 MCF/D, FTP 75#. RU unit.
JUN 14 1990	MIRU completion unit. RU Pro Wireline and set "N" plug in packer assembly at 8709' Slickline measurement. Bled pressure off of tubing and loaded tubing with 2% KCL water. Pressured to 900#, held okay. RD Slickline and installed BOP. Released tubing from packer assembly and TOOH with same. PU new Otis Perma-Lach packer assembly and RIH with tubing. Tested tubing in the hole below slips to 7000#, held okay. RU Halliburton and displaced hole with clean 2% KCL water and spotted 150 gallons 10% acetic acid across the interval to be perforated. Set packer at 8505' with 14,000# of compression. NU X-mas tree and SDFN. DWC: \$4280, TWC: \$396,310.  <u>Tubing count as follows:</u>  <div style="display: flex; justify-content: space-between;"> <div> 266 jts 2-3/8" 4.7# N-80 AB modified used  1 2-3/4" x 4-1/2" Otis Perma-Lach packer assembly </div> <div> Below KB  8478.52'  14.55'  Bottom assembly </div> <div> 12.00'  8478.52'  14.55'  8505.07' </div> </div>
JUN 15 1990	RU and swabbed well down to packer. RU Hallifurton logging services and <u>perforated Atoka 8626-38'</u> . 12' x 24 holes. No show after perforating. RD Halliburton. SITP 50# after 1 hour. 70# after 3 hours. RU Halliburton and acidized Atoka perfs. with 1500 gals 7-1/2% Mor-Flo BC acid + additives + 1000 scf/bbl of N2 + 50 ball sealers. FBP 5200#, Max PP 6500# at ball out. Min PP 5060# at 4.5 BPM. Avg PP 5890# at 3.2 BPM. Had good ball action. Balled off. Total load to recover - 59 bbls. ISIP 3800#. In 15 mins 2730#. RD Halliburton and started flowing well back. Left well flowing gas at rate of 125 MCF/D. Maintaining 100# of back pressure on production unit. FTP 100#. 24/64" choke. DC: \$9601.57. TWC: \$405,911.85.
JUN 16 1990	FTP 100#, gas volume 151 MCF/D. Blew well down and RIH with swab. IFL at 2750' scattered down to packer. Swabbed load water with trace of condensate. Made 1 run/hr. for 5 hrs.; had 100' of fluid entry/hr. Turned well through production for week-end. DWC: \$1,500, TWC: 407,411.85.
JUN 17 1990	0 BO, 0 BW, 275 MCF. FTP 120#.
JUN 18 1990	0 BO, 0 BW, 231 MCF. FTP 115#.
JUN 19 1990	0 BO, 0 BW, 261 MCF, FTP 130#, 28/64" choke.

**MEWBOURNE OIL COMPANY**  
**P. O. BOX 7698**  
**TYLER, TEXAS 75711**

Lease FEDERAL "R" Well No. 1 Location \_\_\_\_\_  
 Section \_\_\_\_\_ Block \_\_\_\_\_ Township \_\_\_\_\_ Range \_\_\_\_\_  
 Survey \_\_\_\_\_ County Eddy State NM Proposed Depth \_\_\_\_\_  
 API No. \_\_\_\_\_ Permit No. \_\_\_\_\_ Permit Date \_\_\_\_\_ Acreage \_\_\_\_\_  
 Drilling Contractor \_\_\_\_\_ Rig No. \_\_\_\_\_ Page 8

DATE	DAILY REPORTS
MAY 31 1990	SITP 70#. Blew well down and had small flare. Made swab run and found IFL at 8100' from surface. Had 600' of entry overnight. First run recovered all KCL water. Made one swab run/hr. for 5 hrs.; had 200' of fluid entry each hour. RC 6 bbls. load water. SWIFN. DWC: \$1,175.00, TWC: \$354,873.83.
JUN 01 1990	SITP 130#. Blew well down and made swab run. Had 200' of fluid entry overnight. RU Halliburton and reperforated Morrow sand from 8898-8908' with 20 additional holes. Total of 31 perforations now in the Morrow zone. RD Halliburton. RU and foam fraced the Morrow with 7000 gallons gelled 2% KCL water + 58 tons of CO <sub>2</sub> + 11,800# of 20/40 Interprop. Avg. Pressure 7400# at 8 BPM. Max. 8450# at 7 BPM, Min. 7300# at 8 BPM. ISDP 4300# (5 mins. 3540#, 10 mins. 3410#, 15 mins. 3340#). Total LTRC 167 bbls. RD Halliburton and left well SI for 4 hrs. SITP after 4 hrs. 1450#. Started well flowing back, left well flowing through production unit. No show of natural gas at 7:30 PM. DWC: \$34,288, TWC: \$69,572.
JUN 02 1990	Well dead. Started swabbing with IFL at 4700' from surface. Swabbed well down to packer. Had show of gas after each swab run. Gas volume TSTM. Waited 1 hr. between swab runs and had 300' of fluid entry each hr. RC total of 31 bbls. load water. SWIFN. LYTRC 136 bbls. DWC: \$1,693, TWC: \$390,854.98.
JUN 03 1990	SITP 1350#. Flowed 1 hr. and bled down to 300#. Blew well on down and made swab run; no fluid in tubing. SWI for week-end. DWC: \$750, TWC: \$391,604.98.
JUN 04 1990	SIP 1280#.
JUN 05 1990	IFL was 200' of scattered fluid. On first swab run, recovered some acid. Total recovery 2.7 bbls. of acid water. SWI and SDON. DWC: \$1,175, TWC: \$392,029.98.
JUN 06 1990	SITP 1300#. Blew well down in 1-1/2 hrs. FTP 130# on 1/4" choke. Est. gas rate of 100 MCF/D. Opened well on 1" choke for 1/2 hr. RU swab. Fluid scattered to seating nipple. Recovered 100-150' of fluid. Put well on 1/4" choke. Est. gas rate 200 MCF/D. Continued to flow well. RDMO Well Service unit at 4:00 PM. At 5:00 PM, well flowing through production unit on 1/4" choke with 225# FTP and 200# Back Pressure. Gas rate 150 MCF/D. Left well flowing overnight.
JUN 07 1990	0 BO, 0 BW, 300 MCF/D rate. 1" choke on FTP 190#, 180# Backpressure. Left well flowing through production unit.
JUN 08 1990	0 BO, 0 BW, 300 MCF/D. 1" choke on FTP 190#, 180# Backpressure. Left well flowing through production unit.

**MEWBOURNE OIL COMPANY**  
**P. O. BOX 7698**  
**TYLER, TEXAS 75711**

Lease FEDERAL "R" Well No. 1 Location \_\_\_\_\_  
 Section \_\_\_\_\_ Block \_\_\_\_\_ Township \_\_\_\_\_ Range \_\_\_\_\_  
 Survey \_\_\_\_\_ County Eddy State NM Proposed Depth \_\_\_\_\_  
 API No. \_\_\_\_\_ Permit No. \_\_\_\_\_ Permit Date \_\_\_\_\_ Acreage \_\_\_\_\_  
 Drilling Contractor \_\_\_\_\_ Rig No. \_\_\_\_\_ Page 7

DATE	DAILY REPORTS
APR 14 1990 (Cont'd)	Halliburton cemented with 1700 sx. of Howco Lite containing 5#/sx. Gilsonite + 1#/sx. Flocele + .5% Halad 22-A + .3% CFR-3 followed by 200 sx. of Class H containing 5#/sx. KCL + .3% CFR-3 + .5% Halad 22-A. Had full returns while cementing. Pumped plug down with 150 gallons of 10% acetic acid followed by 2% KCL water. Plug down to 9074' at 2:15 AM 4/14/90. Floats held OK. Set slips and Released Rig at 7:00 AM 4/14/90. (Trip 1-1/2, Circulate 2, LD DP and DC's 5-3/4, Run Casing and Cement 10, PU BOP and Set Slips 2, Jet Pits 2-3/4). DWC: \$74,349.70, TWC: \$319,589.98. DAY 32
MAY 24 1990	MIRU completion unit. RU HLS and ran CBL. Had good bonding across zones of interest. RD HSL and picked up Otis Permalach packer assembly. RIH with 210 jts. of used 2-3/8" 4.7# AB mod N-80 tubing. SDFN. DWC: \$20,668.60, TWC: \$340,258.58.
MAY 25 1990	Continued RIH with tubing. Tested tubing below slips to 7000#; OK. Set packer at 8732' with 13,000# of compression. Installed X-mas tree and tested to 5000#; OK. NU tree and swabbed well down to the packer. SWIFN. DWC: \$3,000, TWC: \$343,258.58. Tubing count as follows: <div style="margin-left: 40px;">           273 - Jts. 2-3/8" 4.7# AB Mod. N-80                  Used Tubing <span style="float: right;">8702.13'</span>            1 - 2-3/8" x 4-1/2" Otis Perma-Lach                  Packer Assembly <span style="float: right;">15.20'</span>                  TOTAL <span style="float: right;">8717.33'</span>                  KB CORRECTION <span style="float: right;">15.00'</span>                  BOTTOM PACKER ASSEMBLY SET AT <span style="float: right;">8732.33'</span> </div>
MAY 26 1990	RU HLS and perforated the Morrow zone 8898-8908', overall 10' x 11 holes. No show after perforating. RD HLS. Waited 1 hour and made swab run; no fluid entry apparent. SWI and SD for Memorial Day weekend. DWC: \$3,018.00, TWC: \$351,276.58.
MAY 27 1990	TP 0#. No flow.
MAY 28 1990	SITP 0#.
MAY 29 1990	SITP 54#.
MAY 30 1990	SITP 60#. No fluid entry apparent. RU Halliburton and acidized Morrow perms with 1000 gallons of 7-1/2% MOD 101 acid + additives + 20 ball sealers + 500 SCF/bbl. of N <sub>2</sub> . FBP 4200#, Max. PP 6000# at ball out, Min. PP 2370# at 5 BPM, Avg. PP 3500# at 4.2 BPM. Had good ball action, balled out. ISIP 3800# (5 mins. 2240#, 10 mins. 1880#, 15 mins. 1750#). Total load to recover 52 bbls. RD Halliburton and started flowing well back. Flowed 1 hr. and died. RU and started swabbing with IFL 4300' from surface. Swabbed well down to the packer. Waited 1 hr. and had 600' of fluid entry scattered to packer. Waited 2 hrs. and had 700' of fluid entry scattered to packer. No show of gas. RC 17 bbls. of load water. LYTRC 35 bbls. SWIFN. DWC: \$7,422.25, TWC: \$353,698.83.

**MEWBOURNE OIL COMPANY**  
**P. O. BOX 7698**  
**TYLER, TEXAS 75711**

Lease FEDERAL "R" Well No. 1 Location \_\_\_\_\_  
Section \_\_\_\_\_ Block \_\_\_\_\_ Township \_\_\_\_\_ Range \_\_\_\_\_  
Survey \_\_\_\_\_ County Eddy State NM Proposed Depth \_\_\_\_\_  
API No. \_\_\_\_\_ Permit No. \_\_\_\_\_ Permit Date \_\_\_\_\_ Acreage \_\_\_\_\_  
Drilling Contractor \_\_\_\_\_ Rig No. \_\_\_\_\_ Page 6

DATE	DAILY REPORTS																						
APR 09 1990	8663' (0'). Wash to bottom. MW 9.7, Vis 40, WL 6, Cl 103,000, pH 10, PP 1550#, SPM 56, Collars 27. (Trip 15, DST #2, No Packer Seat, 1/2, LD Test Tools 3/4, WO Overshot 3, PU Overshot 1/2, LD Fish and Fishing Tools 2, Wash to Bottom 1/2, Wash Down, Catch Fish 1-3/4). DWC: \$4,250.00, TWC: \$226,434.20. DAY 27																						
APR 10 1990	8845' (182'). Drilling in lime and shale. MW 9.7, Vis 34, WL 5, Cl 90,000, pH 10. Bit #11, size 7-7/8", Reed Type HP63, Serial #E72372, Jets 1-12,2-13's, IN 7873' (Made 972' in 83 hrs.). PP 1550#, SPM 56, WOB 50,000#, RPM 50, Collars 27. (Drilling 21-3/4, Wash and Ream to Bottom 2-1/4). DWC: \$5,363.70, TWC: \$231,797.90. DAY 28																						
APR 11 1990	8980' (135'). Drilling in lime and shale. MW 9.9, Vis 37, WL 5, Cl 85,000, pH 10. Bit #11, size 7-7/8", Reed Type HP63, Serial #E72372, Jets 1-12,2-13's, IN 7873' (Made 1107' in 104-3/4 hrs.). PP 1600#, SPM 56, WOB 50,000#, RPM 50, Collars 27. (Drilling 21-3/4, Circulate Samples at 8922' 3/4, Repair Compound Chain 1-1/2). DWC: \$3,980.25, TWC: \$235,778.15. DAY 29																						
APR 12 1990	9114' (134'). Drilling in lime and shale. MW 9.9, Vis 39, WL 4, Cl 100,000, pH 9.5. Bit #11, size 7-7/8", Reed Type HP63, Serial #E72372, Jets 1-12,2-13's, IN 7873' (Made 1241' in 128-3/4 hrs.). PP 1600#, SPM 56, WOB 55,000#, RPM 55, Collars 27. (Drilling 24). DWC: \$4,358.90, TWC: \$240,137.05. DAY 30																						
APR 13 1990	9120' (6'). TIH, lime and shale. Dev. at 9120' - 1/2°. MW 9.9, Vis 39, WL 8, Cl 95,000, pH 9.5. Bit #11, size 7-7/8", Reed Type HP63, Serial #E72372, Jets 1-12,2-13's, In 7873', OUT 9120' (Made 1247' in 129-1/4 hrs.). PP 1600#, SPM 56, WOB 55,000#, RPM 55, Collars 27. (Drilling 1/2, Trip 5-1/4, Totco 1/4, Circulate 4-3/4, Logging 13-1/4). REMARKS: Loggers TD 9114', SLM 9141.37', TBM 9134.22'. DWC: \$5,103.23, TWC: \$245,240.28. DAY 31																						
APR 14 1990	9120' TD (0'). RD. Ran casing as follows: <table> <tr> <td>1 - 4-1/2" Float Shoe</td><td>1.20'</td></tr> <tr> <td>1 - 4-1/2" 11.6# N-80 Used Shoe Joint</td><td>43.98'</td></tr> <tr> <td>1 - 4-1/2" Float Collar</td><td>.82'</td></tr> <tr> <td>67 - Jts. 4-1/2" 11.6# N-80 Used Casing</td><td>2846.88'</td></tr> <tr> <td>85 - Jts. 4-1/2" 10.5# K-55 Used Casing</td><td>3550.76'</td></tr> <tr> <td>38 - Jts. 4-1/2" 11.6# N-80 Used Casing</td><td>1343.62</td></tr> <tr> <td>12 - Jts. 4-1/2" 11.6# M-75 Used Casing</td><td>505.51'</td></tr> <tr> <td>21 - Jts. 4-1/2" 11.6# N-80 Used Casing</td><td>858.75'</td></tr> <tr> <td>TOTAL</td><td>9151.52'</td></tr> <tr> <td>KB CORRECTION</td><td>31.52'</td></tr> <tr> <td>SET AT</td><td>9120.00'</td></tr> </table>	1 - 4-1/2" Float Shoe	1.20'	1 - 4-1/2" 11.6# N-80 Used Shoe Joint	43.98'	1 - 4-1/2" Float Collar	.82'	67 - Jts. 4-1/2" 11.6# N-80 Used Casing	2846.88'	85 - Jts. 4-1/2" 10.5# K-55 Used Casing	3550.76'	38 - Jts. 4-1/2" 11.6# N-80 Used Casing	1343.62	12 - Jts. 4-1/2" 11.6# M-75 Used Casing	505.51'	21 - Jts. 4-1/2" 11.6# N-80 Used Casing	858.75'	TOTAL	9151.52'	KB CORRECTION	31.52'	SET AT	9120.00'
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TOTAL	9151.52'																						
KB CORRECTION	31.52'																						
SET AT	9120.00'																						

(Cont'd)

**SENDER:** Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.  
Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.  
1. ☒ Show to whom delivered, date, and addressee's address. 2. ☐ Restricted Delivery (Extra charge)

3. Article Addressed to: Bill DeRan  
Joe B. Thomas 915-688-7500  
Exxon Company U.S.A.  
P. O. Box 1600  
Midland, TX 79702-1600  
915-688-6100

4. Article Number P 960 242 117

Type of Service: ☐ Registered ☐ Insured  
☒ Certified ☐ COD  
☐ Express Mail ☐ Return Receipt for Merchandise

8. Addressee's Address (ONLY if requested and fee paid)

5. Signature - Addressee X Agent for B. Thomas

6. Signature - Agent X Paul H. Co. Midland, TX 79702

7. Date of Delivery 8-05-91

PS Form 3811, Apr. 1989 \*U.S.G.P.O. 1989-238-815 DOMESTIC RETURN RECEIPT

**SENDER:** Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.  
Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.  
1. ☒ Show to whom delivered, date, and addressee's address. 2. ☐ Restricted Delivery (Extra charge)

3. Article Addressed to:  
Robert Bullock  
Yates Petroleum Corporation  
105 South 4th Street  
Artesia, NM 88210  
505-748-1471

4. Article Number P 960 242 114

Type of Service: ☐ Registered ☐ Insured  
☒ Certified ☐ COD  
☐ Express Mail ☐ Return Receipt for Merchandise

8. Addressee's Address (ONLY if requested and fee paid)

5. Signature - Addressee X

6. Signature - Agent X Robert Bullock

7. Date of Delivery 8-6-91

PS Form 3811, Apr. 1989 \*U.S.G.P.O. 1989-238-815 DOMESTIC RETURN RECEIPT

**SENDER:** Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.  
Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.  
1. ☒ Show to whom delivered, date, and addressee's address. 2. ☐ Restricted Delivery (Extra charge)

3. Article Addressed to: Celsius Energy Company  
P. O. Box 11070  
Salt Lake City, UT 84147  
2644 PITHAM  
1-801-530-2600

4. Article Number P-761-530-563  
862589304

Type of Service: ☐ Registered ☐ Insured  
☒ Certified ☐ COD  
☐ Express Mail ☐ Return Receipt for Merchandise

8. Addressee's Address (ONLY if requested and fee paid)

5. Signature - Addressee X

6. Signature - Agent X

7. Date of Delivery 8-6-91

PS Form 3811, Apr. 1989 \*U.S.G.P.O. 1989-238-815 DOMESTIC RETURN RECEIPT

**SENDER:** Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.  
Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.  
1. ☒ Show to whom delivered, date, and addressee's address. 2. ☐ Restricted Delivery (Extra charge)

3. Article Addressed to:  
Pat Tower  
Enron Oil & Gas Corporation  
P. O. Box 2267  
Midland, TX 79702  
915-686-3600

4. Article Number P-761-530-562  
862589303

Type of Service: ☐ Registered ☐ Insured  
☒ Certified ☐ COD  
☐ Express Mail ☐ Return Receipt for Merchandise

8. Addressee's Address (ONLY if requested and fee paid)

5. Signature - Addressee X

6. Signature - Agent X

7. Date of Delivery 8-5-91 AUG 5 1991

PS Form 3811, Apr. 1989 \*U.S.G.P.O. 1989-238-815 DOMESTIC RETURN RECEIPT

SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4. Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check boxes for additional services requested. 1. ☒ Show to whom delivered, date, and addressee's address. 2. ☐ Restricted Delivery (Extra charge)

3. Article Addressed to: Jerry D. West Amoco Production Company P. O. Box 3092 Houston, TX 77253

4. Article Number ~~P-960 242 115~~ 862589299

Type of Service: ☐ Registered ☐ Insured ☒ Certified ☐ COD ☐ Express Mail ☐ Return Receipt for Merchandise

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature - Addressee X

6. Signature - Agent *W. Stahl* X

7. Date of Delivery AUG - 5 1991

8. Addressee's Address (ONLY if requested and fee paid)

PS Form 3811, Apr. 1989 \*U.S.G.P.O. 1989-238-815 DOMESTIC RETURN RECEIPT

SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4. Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check boxes for additional services requested. 1. ☒ Show to whom delivered, date, and addressee's address. 2. ☐ Restricted Delivery (Extra charge)

3. Article Addressed to: James Baca Chevron U.S.A., Inc. 15 Smith Road Midland, TX 79705

4. Article Number ~~P-761 530 557~~ 862589296

Type of Service: ☐ Registered ☐ Insured ☒ Certified ☐ COD ☐ Express Mail ☐ Return Receipt for Merchandise

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature - Addressee X

6. Signature - Agent *James Baca* X

7. Date of Delivery 8-5-91

8. Addressee's Address (ONLY if requested and fee paid)

PS Form 3811, Apr. 1989 \*U.S.G.P.O. 1989-238-815 DOMESTIC RETURN RECEIPT

SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4. Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check boxes for additional services requested. 1. ☒ Show to whom delivered, date, and addressee's address. 2. ☐ Restricted Delivery (Extra charge)

3. Article Addressed to: Warren Hanson Hanson Energy Route 1, Box 60 Artesia, NM 88210

4. Article Number ~~P-761 530 561~~ 86258930

Type of Service: ☐ Registered ☐ Insured ☒ Certified ☐ COD ☐ Express Mail ☐ Return Receipt for Merchandise

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature - Addressee *Warren Hanson* X

6. Signature - Agent *Warren Hanson* X

7. Date of Delivery 8-5-91

8. Addressee's Address (ONLY if requested and fee paid)

PS Form 3811, Apr. 1989 \*U.S.G.P.O. 1989-238-815 DOMESTIC RETURN RECEIPT

SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4. Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check boxes for additional services requested. 1. ☒ Show to whom delivered, date, and addressee's address. 2. ☐ Restricted Delivery (Extra charge)

3. Article Addressed to: Robert W. Hanagan Ronadero Company, Inc. P. O. Box 2520 Casper, WY 82602-2520

4. Article Number ~~P-761 530 559~~ 862589302

Type of Service: ☐ Registered ☐ Insured ☒ Certified ☐ COD ☐ Express Mail ☐ Return Receipt for Merchandise

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature - Addressee X

6. Signature - Agent *Robert W. Hanagan* X

7. Date of Delivery 8/5/91

8. Addressee's Address (ONLY if requested and fee paid)

PS Form 3811, Apr. 1989 \*U.S.G.P.O. 1989-238-815 DOMESTIC RETURN RECEIPT

PS Form 3800, June 1985

P 761 530 556  
RECEIPT FOR CERTIFIED MAIL  
NO INSURANCE COVERAGE PROVIDED  
NOT FOR INTERNATIONAL MAIL  
(See Reverse)

Sent to *Murchison Oil & Gas*

Street and No.

P.O., State and ZIP Code

Postage \$

Certified Fee

Special Delivery Fee

Restricted Delivery Fee

Return Receipt showing to whom, to whom and Date Delivered

Return Receipt showing to whom, Date, and Address of Delivery

TOTAL Postage and Fees \$

Postmark or Date

**MEWBOURNE OIL COMPANY**

P.O. BOX 7698  
TYLER, TEXAS 75711  
903 - 561-2900  
FAX 903 - 561-1870

August 22, 1991

United States Geological Survey  
582 National Center  
Reston, Virginia 22092

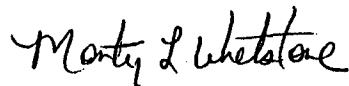
RE: Application for Commingling  
Federal "R" #1 Well  
660' FSL & 1190' FWL  
S/2 of Section 17-T17S-R27E  
Eddy County, New Mexico

Gentlemen:

Mewbourne Oil Company intends to commingle the Morrow and Atoka formations for gas and associated liquid hydrocarbons in the captioned well at the specified location above.

If any additional information is needed, please feel free to call.

Sincerely



Monty L. Whetstone  
Operations Manager

MW/sh

**MEWBOURNE OIL COMPANY** OIL CONSERVATION DIVISION

P.O. BOX 7698  
TYLER, TEXAS 75711  
903 - 561-2900  
FAX 903 - 561-1870

RECEIVED

'91 AUG 14 AM 8 52

August 2, 1991

*DHC-818*

Mr. David Catanach  
New Mexico Oil Conservation Division  
P. O. Box 2088  
Santa Fe, New Mexico 86701

RE: Application for Commingling  
Federal "R" #1 Well  
S/2 of Section 17-T17S-R27E  
Eddy County, New Mexico

Mr. Catanach:

Chevron U.S.A., Inc., as an offset operator or offset unleased mineral owner, had been advised of Mewbourne Oil Company's intent to commingle the Morrow and Atoka formations for gas and associated liquid hydrocarbons in the above referenced well at a location of 660' FSL and 1190' FWL of Section 17, T17S, R27E, Eddy County, New Mexico.

This letter is to advise that Chevron U.S.A., Inc. has no objection to the granting of a permit to commingle the Morrow and Atoka formations as proposed and hereby waives objection and notice of hearing on this application.

Sincerely,

MEWBOURNE OIL COMPANY

*Monty L. Whetstone*

Monty L. Whetstone  
Manager, Drilling  
and Production

MW/sh

BY: *Alan W. Bohling*  
TITLE: *Production Engineer*  
DATE: *August 2, 1991*



**MEWBOURNE OIL COMPANY**

P.O. BOX 7698  
TYLER, TEXAS 75711  
903 - 561-2900  
FAX 903 - 561-1870

August 2, 1991

Mr. David Catanach  
New Mexico Oil Conservation Division  
P. O. Box 2088  
Santa Fe, New Mexico 86701

RE: Application for Commingling  
Federal "R" #1 Well  
S/2 of Section 17-T17S-R27E  
Eddy County, New Mexico

Mr. Catanach:

Yates Petroleum Corporation, as an offset operator or offset unleased mineral owner, had been advised of Mewbourne Oil Company's intent to commingle the Morrow and Atoka formations for gas and associated liquid hydrocarbons in the above referenced well at a location of 660' FSL and 1190' FWL of Section 17, T17S, R27E, Eddy County, New Mexico.

This letter is to advise that Yates Petroleum Corporation has no objection to the granting of a permit to commingle the Morrow and Atoka formations as proposed and hereby waives objection and notice of hearing on this application.

Sincerely,

MEWBOURNE OIL COMPANY

*Monty L. Whetstone*

Monty L. Whetstone  
Manager, Drilling  
and Production

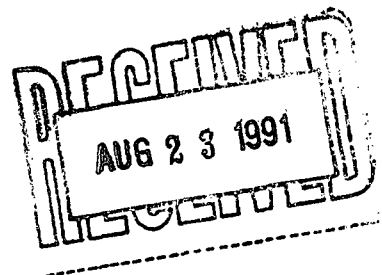
MW/sh

BY: *[Signature]*

TITLE: *Atty - IN - Fact*

DATE: *Aug. 21, 1991*

*RB*



**MEWBOURNE OIL COMPANY**

P.O. BOX 7698  
TYLER, TEXAS 75711  
903 - 561-2900  
FAX 903 - 561-1870

August 2, 1991

Mr. David Catanach  
New Mexico Oil Conservation Division  
P. O. Box 2088  
Santa Fe, New Mexico 86701

RE: Application for Commingling  
Federal "R" #1 Well  
S/2 of Section 17-T17S-R27E  
Eddy County, New Mexico

Mr. Catanach:

Murchison Oil & Gas, Inc., as an offset operator or offset unleased mineral owner, had been advised of Mewbourne Oil Company's intent to commingle the Morrow and Atoka formations for gas and associated liquid hydrocarbons in the above referenced well at a location of 660' FSL and 1190' FWL of Section 17, T17S, R27E, Eddy County, New Mexico.

This letter is to advise that Murchison Oil & Gas, Inc. has no objection to the granting of a permit to commingle the Morrow and Atoka formations as proposed and hereby waives objection and notice of hearing on this application.

Sincerely,

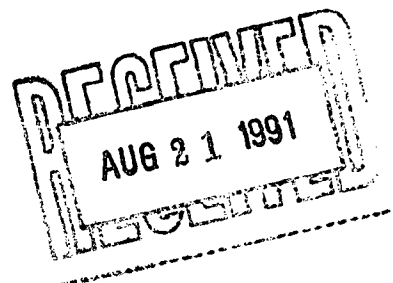
MEWBOURNE OIL COMPANY

*Monty L. Whetstone*

Monty L. Whetstone  
Manager, Drilling  
and Production

MW/sh

BY: Michael S. Daugherty  
TITLE: PRODUCTION MANAGER  
DATE: 8/20/91



**MEWBOURNE OIL COMPANY**

P.O. BOX 7698  
TYLER, TEXAS 75711  
903 - 561-2900  
FAX 903 - 561-1870

August 2, 1991

Mr. David Catanach  
New Mexico Oil Conservation Division  
P. O. Box 2088  
Santa Fe, New Mexico 86701

RE: Application for Commingling  
Federal "R" #1 Well  
S/2 of Section 17-T17S-R27E  
Eddy County, New Mexico

Mr. Catanach:

Ronadero Company, Inc., as an offset operator or offset unleased mineral owner, had been advised of Mewbourne Oil Company's intent to commingle the Morrow and Atoka formations for gas and associated liquid hydrocarbons in the above referenced well at a location of 660' FSL and 1190' FWL of Section 17, T17S, R27E, Eddy County, New Mexico.

This letter is to advise that Ronadero Company, Inc. has no objection to the granting of a permit to commingle the Morrow and Atoka formations as proposed and hereby waives objection and notice of hearing on this application.

Sincerely,

MEWBOURNE OIL COMPANY

*Monty L. Whetstone*

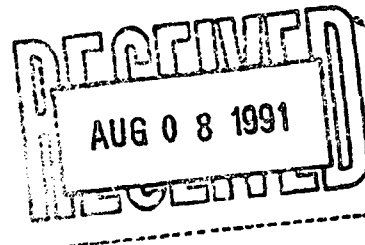
Monty L. Whetstone  
Manager, Drilling  
and Production

MW/sh *RONADERO Company, Inc.*

BY: *[Signature]*

TITLE: *PRESIDENT*

DATE: *8-*



**MEWBOURNE OIL COMPANY**

P.O. BOX 7698  
TYLER, TEXAS 75711  
903 - 561-2900  
FAX 903 - 561-1870

August 2, 1991

Mr. David Catanach  
New Mexico Oil Conservation Division  
P. O. Box 2088  
Santa Fe, New Mexico 86701

RE: Application for Commingling  
Federal "R" #1 Well  
S/2 of Section 17-T17S-R27E  
Eddy County, New Mexico

Mr. Catanach:

Hanson Energy, as an offset operator or offset unleased mineral owner, had been advised of Mewbourne Oil Company's intent to commingle the Morrow and Atoka formations for gas and associated liquid hydrocarbons in the above referenced well at a location of 660' FSL and 1190' FWL of Section 17, T17S, R27E, Eddy County, New Mexico.

This letter is to advise that Hanson Energy has no objection to the granting of a permit to commingle the Morrow and Atoka formations as proposed and hereby waives objection and notice of hearing on this application.

Sincerely,

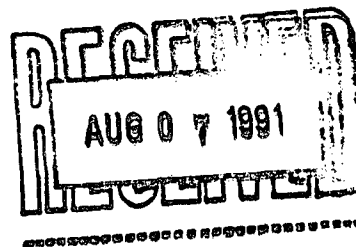
MEWBOURNE OIL COMPANY

*Monty L. Whetstone*

Monty L. Whetstone  
Manager, Drilling  
and Production

MW/sh

BY: *Warren Hanson*  
TITLE: Owner - operator  
DATE: 8/5/91



**MEWBOURNE OIL COMPANY**

P.O. BOX 7698  
TYLER, TEXAS 75711  
903 - 561-2900  
FAX 903 - 561-1870

August 2, 1991

Mr. David Catanach  
New Mexico Oil Conservation Division  
P. O. Box 2088  
Santa Fe, New Mexico 86701

RE: Application for Commingling  
Federal "R" #1 Well  
S/2 of Section 17-T17S-R27E  
Eddy County, New Mexico

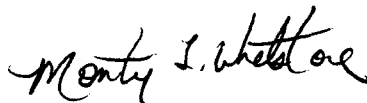
Mr. Catanach:

Chevron U.S.A., Inc., as an offset operator or offset unleased mineral owner, had been advised of Mewbourne Oil Company's intent to commingle the Morrow and Atoka formations for gas and associated liquid hydrocarbons in the above referenced well at a location of 660' FSL and 1190' FWL of Section 17, T17S, R27E, Eddy County, New Mexico.

This letter is to advise that Chevron U.S.A., Inc. has no objection to the granting of a permit to commingle the Morrow and Atoka formations as proposed and hereby waives objection and notice of hearing on this application.

Sincerely,

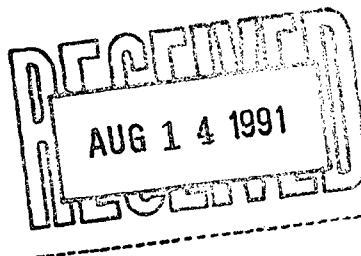
MEWBOURNE OIL COMPANY



Monty L. Whetstone  
Manager, Drilling  
and Production

MW/sh

BY: Alan W. Bohling  
TITLE: Production Engineer  
DATE: August 9, 1991



**MEWBOURNE OIL COMPANY**

P.O. BOX 7698  
TYLER, TEXAS 75711  
903 - 561-2900  
FAX 903 - 561-1870

August 2, 1991

Mr. David Catanach  
New Mexico Oil Conservation Division  
P. O. Box 2088  
Santa Fe, New Mexico 86701

RE: Application for Commingling  
Federal "R" #1 Well  
S/2 of Section 17-T17S-R27E  
Eddy County, New Mexico

Mr. Catanach:

Amoco Production Company, as an offset operator or offset unleased mineral owner, had been advised of Mewbourne Oil Company's intent to commingle the Morrow and Atoka formations for gas and associated liquid hydrocarbons in the above referenced well at a location of 660' FSL and 1190' FWL of Section 17, T17S, R27E, Eddy County, New Mexico.

This letter is to advise that Amoco Production Company has no objection to the granting of a permit to commingle the Morrow and Atoka formations as proposed and hereby waives objection and notice of hearing on this application.

Sincerely,

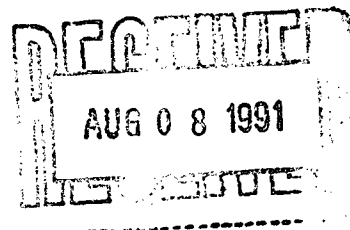
MEWBOURNE OIL COMPANY

*Monty L. Whetstone*

Monty L. Whetstone  
Manager, Drilling  
and Production

MW/sh

BY: Gary W Bullback/bws  
TITLE: Hobbs Resource Manager  
DATE: August 6, 1991



OFFSET OWNERSHIP  
Mewbourne Oil Company Federal "R" #1 Well  
Eddy County, New Mexico

Tract 1: NW/4 of Section 17, T17S, R28E

1. Exxon Company, U.S.A.
2. Mewbourne Oil Company

Tract 2: NE/4 of Section 18, T17S, R28E

1. Exxon Company, U.S.A.

Tract 3: N/2SE/4 and NE/4SW/4 of Section 18, T17S, R28E

1. Exxon Company, U.S.A.

Tract 4: NW/4SW/4 of Section 18, T17S, R28E

1. Exxon Company, U.S.A.
2. Mewbourne Oil Company

Tract 5: SW/4SW/4 of Section 18, T17S, R28E

1. Exxon Company, U.S.A.
2. Mewbourne Oil Company
3. Yates Petroleum Corporation

Tract 6: SE/4SW/4 of Section 18, T17S, R28E

1. Exxon Company, U.S.A.

Tract 7: S/2SE/4 of Section 18, T17S, R28E

1. Amoco Production Company

Tract 8: NE/4NE/4 of Section 19, T17S, R28E

1. Collier Energy, Inc.
2. Enron Oil & Gas Corporation

Tract 9: NW/4NE/4 of Section 19, T17S, R28E

1. Amoco Production Company

Tract 10: NE/4NW/4 of Section 19, T17S, R28E

1. Exxon Company, U.S.A.

Tract 11: W/2NW/4 and SE/4NW/4 of Section 19, T17S, R28E

1. Yates Petroleum Corporation

Tract 12: SW/4NE/4 of Section 19, T17S, R28E

- ✓ 1. Hanson Energy
- ✓ 2. Chevron, U.S.A.

Tract 13: SE/4NE/4 of Section 19, T17S, R28E

1. Exxon Company, U.S.A.

Tract 14: N/2 of Section 20, T17S, R28E

- ✓ 1. Murchison Oil & Gas, Inc.

Tract 15: NW/4 of Section 21, T17S, R28E

1. Celsius Energy Company

Tract 16: N/2SW/4 and SW/4SW/4 of Section 16, T17S, R28E

1. Exxon Company, U.S.A.

Tract 17: SE/4SW/4 of Section 16, T17S, R28E

1. Amoco Production Company