MEWBOURNE OIL COMPANYL CONSERVATION DIVISION RECEIVED

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

'91 80 126 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

Morty S. whete

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

1000 Rio Brazos Rd., Aztec, NM 87410

Energy, Minerals and Natural Resources Department State of New Mexico

Revised 1/1/89 Form C-116

OIL CONSERVATION DIVISION

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

GAS-OIL RATIO TEST

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at a pre	ssure b	ase of	15.025 psia	and a	temperatu	re of 60°		= 1 \	ompson and title		· Opta	- 1	Secretary
	Texas Local U s 1 17 1 1 17 1 duced at a rator is ence when authored at a pre-	LOCATION S T 17 17S 17 17S 2	LOCATION S T R 17 17S 27E 17 s are not exceeding send at a rate not exceeding the point of the	Address P. O. Box 7698, Tyler, Texas 75711 LOCATION LOCATION DATE OF TEST	LOCATION S T R TEST 17S 27E 6/11/90 F 18 at a rate not exceeding the top unit all or is encouraged to take advantage of this en authorized by the Division. TYPE TRYPE	LOCATION LOCATION LOCATION DATE OF SIZE THEST SIZE 17 17S 27E 6/11/90 F 64/64" 18 18 18 18 18 18 18 18 18 18 18 18 18 1	TYPE OF TEST - (X) Scheduk OF S CHOKE TBG. SIZE PRESS. 90 F 64/64" 110# 100 In the poore of the poore of this 25 percent tolerance of 600 print allowable for the poore of	TYPE OF TEST - (X) Scheduled DAIL OF SIZE PRESS. ABLUMANT ABOVE THE ALLOWANT ABOVE THE ALLOWANT ABOVE THE	TYPE OF TEST - (X) Scheduled DAIL OF SIZE PRESS. ABLUMAN ABLOWABLE for the pool in age of this 25 percent tolerance in psia and a temperature of 60° F.	TYPE OF TEST - (X) Scheduled DAIL OF SIZE PRESS. ABLUMAN ABLOWABLE for the pool in age of this 25 percent tolerance in psia and a temperature of 60° F.	TYPE OF TEST - (X) Scheduled DAIL OF SIZE PRESS. ABLUMAN ABLOWABLE for the pool in age of this 25 percent tolerance in psia and a temperature of 60° F.	TYPE OF TEST - (X) Scheduled DAIL OF SIZE PRESS. ABLUMAN ABLOWABLE for the pool in age of this 25 percent tolerance in psia and a temperature of 60° F.	TYPE OF Scheduled Completion Eddy

Instr

Specific gravity base will be v.ov.

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

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

(903) 561-2900 Telephone No.

8/02/91 Date

DISTRICT I P.O. Box 1980, Hobbs, NM 88240 Submit 2 copies to Appropriate District Office. 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 City Control City City City Control City City City City City City City City	, , ,					P <u>0</u>	1		, -			2	County	1		
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Address P. O. Box 7698, 7	Tyler,	Te	Texas	75711			TYPE OF TEST - (X)	홍 무 	Scheduled		ç.	Completion		δ	Special XX	⊠ J
	WELL		LOC.	LOCATION		DATE OF	rus	ENCHO.	T	DAILY	FIGHT	PR	PROD. DURING TEST	NG TEST		GAS-OIL
LEASE NAME	ŏ	_	S	7	R	TEST	STAT	SIZE	PRESS.	ABLE ALLOW-	HOURS	WATER BBLS.	GRAV.	BBLS.	M.C.F.	PATIO CU.FT/BBL
Federal "R" (Atoka Zone)	۲	×	17	17S	27E	7/31/91	ᆈ	64/64"	260#		24	· 0	l	0	100	
Instructions:										con L	I hereby certify that the above information complete to the best of my knowledge and belief.	rtify that	the abo	ove infor whedge au	mation ind belief.	is true and f.
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 the trial can be excited increased allowables when authorized by the Division	shall be percent. O	roduce perato	ed at a	rate no	of exce	eding the top ke advantage	unit a	llowable for the sign of the s	or the pool		Signature	Mark		Jan 1	Bro.	K
order that well can be assigned increased allowanes when auditized by the Division. Gas volumes must be reported in MCF measured at a pressure base of 15.025 psia and a temperature of 60° Specific gravity base will be 0.60.	viCF mea	Sured Swined	at a pr	arms sa	base c	of 15.025 psia	and	a temperat	ure of 60°	<u>ı.</u>	Gaylop Thompson, Printed name and title	and title	- 1	Engr. borns.		Secretary
Report casing pressure in lieu of tubing pressure for any well producing through casing.	ing press	me for	any w	ell pro	ducing	through casin	úc			8/	8/02/91		_	(903) 561 - 2900	61-290	<u>వ</u>

Instru

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

complete to the best of my knowledge and belief. Signature Gayloo Thompson, Engr. Sprns. Secretary Printed name and title 8/02/91 (903) 561-2900 Telephone No.
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State of New Mexico Trgy, Minerals and Natural Resources Departm

Form C-102 Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088 Santa Re. New Mexico 87504-2088

DISTRICT II P.O. Drawer DD, Arlesia, NM \$8210

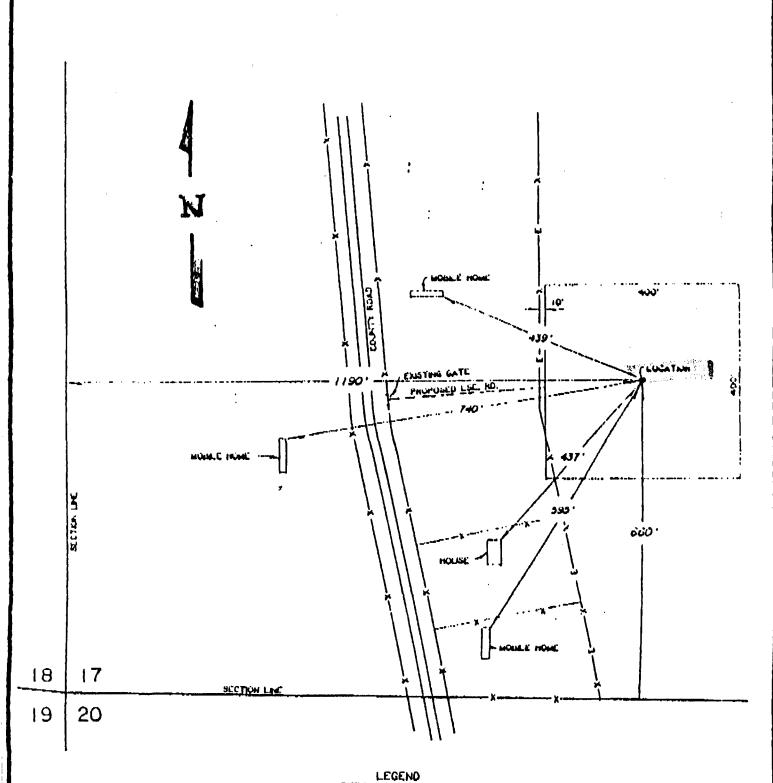
DISTRICT I P.O. Box 1980, Hobbs, NM 88240

DISTRICT III
1000 Rio Brazos RA., Amec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section Operator MEWBOURNE OIL COMPANY FEDERAL "R" 1 Township County Unit Letter Section 17 SOUTH 17 27 EAST **EDDY NMPM** Actual Pootage Location of Well: 1190 foot from the South feet from the West 660 Producing Formation Pool Dedicated Acreage: Ground level Elev. 320 3367.6 Logan Draw Morrow Acres 1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below. 2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty). 3. 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.? □ N₀ If answer is "yes" type of consolidation Yes If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if neccessary. 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. **OPERATOR CERTIFICATION** I hereby certify that the information contained herein in true and complete to the best of my knowledge and belief. Signature co Printed Name W. H. Cravey Position District Superintendent Company Mewbourne Oil Company January 16, 1989 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 supervison, and that the same is true and correct to the best of my knowledge and belief. Date Surveyed <u>MEWBOURIE OIL COMPANY</u> /05 320|Acres Signature NM-20351 1190' 330 440 990 1320 1650 1900 2310 2640 2000 1500 1000 500

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FENCE LINE

MEWBOURNE OIL COMPANY
FEDERAL"R" # 1

SEC. 17-T17S-R26E

Eddy County, New Mexico

Exhibit "A"

MEWBOURNE OIL COMPANY

DATE LINE

SCALE : 1" = 200"

DATE I JAN. 29, 1990

SCALE : 1" = 200"

DATE I JAN. 29, 1990

SCALE : 1" = 200"

DATE I JAN. 29, 1990

TOPOCRAPING LAPID SULVEYOUS

MEMBOURNE OIL COMPANY

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TOPOCRAPING LAPID SULVEYOUS

MEMBOURNE OIL COMPANY

MEMBOURN

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

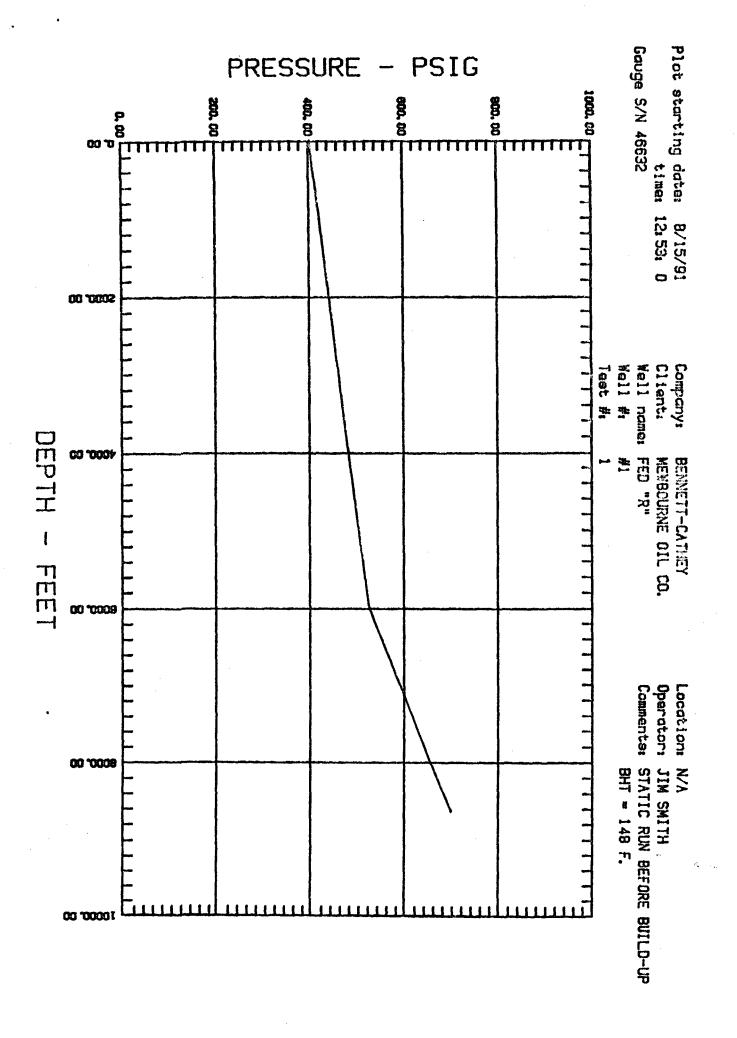
BHT = 148 F.

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



COMPANY:

BENNETT-CATHEY

CLIENT:

MEWBOURNE DIL 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.

GAUGE S/N: 46632

PAGE START DATE: 8/15/91

DATA FILE: 2

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PAGE START DATE: 8/17/91

GAUGE S/N: 46632

DATA FILE: 2

POINT	TIME	HRS	IN	PSIG	COMMENTS
,	:29: 6	49.602	0.2338	811.40	a tames agains quant daths driven proper green velage parces green at

š -

DELTA TIME - HRS

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,

Monty L. Whetstone Operations Manager

Monty I. Whetetone

MW/sh

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: $43,560 * Ø * (1 - Sw) * (Bq_i - Bq_a)$

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

If any additional information is needed, please call.

Sincerely,

Monty L. Whetstone Operations Manager

Monty S. whethere



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) ANALYSIS DATE: 07-09-90

SAMPLED BY:

LIQUID ()

PRESSURE - PSIG

300.00

ANALYSIS BY:

Keith Norvell Rolland Perry

SAMPLE TEMP. °F

84.00

ATMOS. TEMP. °F

92.00

REMARKS:

COMPONENT ANALYSIS

		MOL			
COMPONENT		PERCENT	GPM	345	
OXYGEN	(02)				
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		
COD	14,72	1/14			
BTU/CU.FT DRY	14.696	1111	MOLECULAR	WT	20.5534
AT 14.650 DRY		1107			
AT 14.650 WET		1088	26# GASOLIN	1E -	0.395
AT 15.025 DRY		1136			
AT 15.025 WET		1116			
SPECIFIC GRAVITY	Y -				
CALCULATE)	0.710			
MEASURED)	0.000			
	 -	···			

	2	•	Form approved.
Firm 31605 (November 1983) (Formerly 9331)	U. TED STATES DEPARTMENT OF THE INTE		Budget Bureau No. 1004-013 Expires August 31, 1085 5. LEASE DESIGNATION AND BERIAL SO NM-20351
			6. IF INDIAN, ALLOTTEE OR TRIBE NAM.
(Do not use this	IDRY NOTICES AND REPORTS form for proposals to drill or to deepen or pl Use "APPLICATION FOR PERMIT" for su	an pack to a quellus feathform	7. UNIT AGREEMENT NAME
OIL GAS WELL	X OTHER	CARL	
2. NAME OF OPERATOR		ANDA	S, FARM OR LEASE NAME
Mewbourne C		And American Control of the Control	FEDERAL "R"
P. O. Box 7	7698, Tyler, Texas 75711 teport location clearly and in accordance with new 3	nny State requirements.*	10. FIELD AND POOL, OR WILDCAT
At surface			Logan Draw Morrow
119	90' FWL & 660' FSL		11. SEC., T., B., M., OR BLK. AND SURVEY OR ARMA
			17-17S-27E
14. PERMIT NO.	15. ELEVATIONS (Show whether	r DF, RT, GR, etc.)	12. COUNTY OR PARIBIL 13. STATE
API #30-015-2	26302 KB 3383.1, GI	3367.61	Eddy N.M.
16.	Check Appropriate Box To Indicas	e Nature of Notice, Report, or C	Other Data
	NOTICE OF INTENTION TO:	SUBSEQ	UENT REPORT OF:
TEST WATER SHUT-C	PULL OR ALTER CASING	WATER SHUT-OFF	REPAIRING WELL
PRACTURE TREAT	MULTIPLE COMPLETE	FRACTURE TREATMENT	ALTERING CASING
SHOOT OR ACIDIZE	ABANDON®	SHOOTING OR ACIDIZING	ABANDONMENT*
REPAIR WELL	CHANGE PLANS	(Other) Set Produ	of multiple completion on Well
(Other)		Completion or Recomp	letion Report and Log form.)
17, DESCRIBE PROPOSED O proposed work, If nent to this work,)	R COMPLETED OPERATIONS (Clearly state all pert well is directionally drilled, give subsurface	luent details, and give perfinent dates, locations and measured and true vertle	including estimated date of starting as al depths for all markers and zones per
	20'. Ran 223 joints of 4-1/	2" casing as follows:	
		e casing as xorrens.	1 201
	-1/2" Float Shoe	• - 4	1.20
	-1/2" 11.6# N-80 Used Shoe J	oint	43.981
	-1/2" Float Collar	n i n -	.82 ¹ / 2846.88 ¹
	ts 4-1/2" 11.6# N-80 Used Ca ts 4-1/2" 10.5# K-55 Used Ca	•	3550.76¹
~	•	•	1343.62'
	ts 4-1/2" 11.6# N-80 Used Ca ts 4-1/2" 11.6# M-75 Used Ca		505.51'
	ts 4-1/2" 11.6# N-80 Used Ca		858.75'
21 -)		tal	9151.52
		Correction	31.52'
		t at	9120.00
+ 1#/s: contain Pumped	urton cemented with 1700 sxs x Flocele + .5% Halad 22-A + ning 5#/sx KCL + .3% CFR-3 + plug down with 150 gallons o 9074' at 2:15 AM 4/14/90.	.3% CFR-3 followed by 2 .5% Halad 22-A. Full 1 10% acetic acid followed	200 sxs Class "H" returns while cementing.
	÷.		
	1		
18. I hereby sertify that	the foregother true and correct		
SIGNER SALL	my Jonepan TITLE	Engr. Oprns. Secretary	7/06/90
(This space for Feder	ral or State office use	ASSEPTE	O FOR REC <mark>O</mark> RD
APPROVED BY		Aden	7) 4 mm
CONDITIONS OF AP		JU	[1 77990

*See Instructions on Reverse Side CARLSBAD, NEW MEXICO

Ferm 3160--5 (November 1983) (Formerly 9-331)

SHOOT OR ACIDIZE

REPAIR WELL

TED STATES DEPARTMENT OF THE INTERIOR VERNE BIDER COSIVED

SUBMIT IN TRACTORIES CATE.

SHOOTING OR ACIDIZING

Form approved. Budget Bareau No. 1004-64 to Expires August 31, 1985

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	NM-	203	51			

BUREAU OF LAND MANAGEMENT RE.U.L	-1100	NM-20351	
SUNDRY NOTICES AND REPORTS ON WELLS (Do not use this form for proposals to drill or to deepen or plug back to a different preserve use "APPLICATION FOR PERMIT" for such proposals.)	MA ourie	90	
T. OIL GAS V		RS	
Mewbourne Oil Company 3. Appress of Operator		FEDERAL "I	
P. O. Box 7698, Tyler, Texas 75711 1. Incation or well, (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface		1 10. FIELD AND 1900L, O Logan Draw I	
1190' FWL & 660' FSL		11. SEC., T., R., M., URI SURVEY OR ARMA 17-17S-27	
14. PERMIT NO. API #30-015-26302 The control of	. ,	12. COUNTY OR PARISE Eddy	N.M.
10. Check Appropriate Box To Indicate Nature of Notice, Re	port, or O	ther Data	
NOTICE OF INTENTION TO:	auns eq u	ENT REPORT OF:	
TEST WATER SHUT-OFF PULL OR ALTER PASING WATER SHUT-OFF	3.5	REPAIRING	

- (NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.) (Other) SCRIBE 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 N₂. 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 CO2 + 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 syrue and	<i>"</i>		
SIGNED MUJAN MAN	FITTLE Engr.	Oprns. Secretary	DATE
(This space for Vederal or State office uper	Commission for the property of the commission of	ACCEPTED	1
APPROVED BY	TITLE	Ade	DATE
CONDITIONS OF APPROVAL, IF ANY:		.11.11.	1 7 1390

*See Instructions on Reverse Side CARLSBAD, NEW ANTAICO

Ferm 3160--5 (November 1983)

U. TED STATES

SUBMIT IN TRACEICATES

Form approved.
Budget Bureau No. 1004-0; 15.
Expires August 31, 1985

BUREAU OF LAND MANAGEMENT	NM-20351	
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.)	of in Indian, allottee on Thibe	NAME
OIL GAS OTHER	7. UNIT AGREEMENT NAME	e comment de la marco ?
2. NAME OF OPERATOR	S. FARM OR LEASE NAME	
Mewbourne Oil Company	FEDERAL "R"	
P. O. Box 7698, Tyler, Texas 75711 LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface	10. FIELD AND POOL, OR WILDCAT	
1190' FWL & 660' FSL	11. SEC., T., R., M., OR BLE. AND SURVEY OR ARMA 17-17S-27E	
14. PRUMIT NO. 15. KIEVATIONS (Show whether DF, RT, CR, etc.)	12. COUNTY OR PARISH; 13. STATE	
API #30-015-26302 KB 3383.1', GL 3367.6'	Eddy N.I	ч.
Check Appropriate Box To Indicate Nature of Notice, Report, o		
NOTICE OF INTENTION TO:	SEQUENT REPORT OF:	
FRACTURE TREAT MULTIPLE COMPLETE SHOOT OR ACIDIZE REPAIR WELL CHANGE PLANE PULL OR ALTER CASING WATER SHUT-OFF FRACTURE TREATMENT SHOOTING OR ACIDIZING (Other)	REPAIRING WELL ALTERING CASING ABANDONMENT*	
(Other) Completion or Reconstruction of the proposed work. If well is directionally drilled, give subsurface locations and measured and true venent to this work.)	napletion Report and Log form.)	ing any
6/15/90 - RU Halliburton and perforated Atoka formation 8626-389 Acidized Atoka perfs with 1500 gals 7½% Mor-Flo BC acidized Stoke 1000 scf/bbl of N2 + 50 ball sealers. FBP 5200#, Max Min PP 5060# at 4.5 BPM. Avg PP 5890# at 3.2 BPM. Had Balled off. Well started flowing.	id + additives + PP 6500# at ballout.	
6/20/90 - MIRU Halliburton. Foam fraced Atoka formation with 49 of gelled 2% KCL water + 6300# of 20/40 Interprop + ac at 6 BPM, Min PP 8650# at 5.7 BPM. Avg PP 9000# at 6 I straight 2% KCL water. ISIP 3850# (15 mins 3330#). St	dditives. Max PP 9250# BPM. Flushed with	k.
	JUL 11 10 WO M	
N. 1 hereby certify that the foregrants of true and cofrect	ည်း (၁၈)	
SIGNED Wayfor MAN FINE Engr. Oprns. Secretary	7/06/90	
(This space for Federal or State office use) ACCEP Ad	TED FOR RECORD	
APPROVED BY	JUE 1 ?^! \$90	
•	JOE 1 1 1330	

P. 0. BOX 7698 TYLER, TEXAS 75711

Lease Federa	l "R" Well No. 1 Location
County Eddy	State New Mexico Section
Block	TownshipRangePage13
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.

P. 0. BOX 7698 TYLER, TEXAS 75711

Lease Federa	al "R"Well No. 1 Location	
County Eddy	State New Mexico Section	
Block	TownshipRange	Page12
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.	

P. 0. BOX 7698 TYLER, TEXAS 75711

Lease Federal "R"		Well No1	Location	
County Eddy	State	New Mexico	Section	
Block	_Township	Raı	nge	Page_ <u> </u>

county Eddy	State New Mexico Section
Block	Township Range Page
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, O 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.

0 BO, 0 BW, 392 MCF, 250 # TP, 19/64 # choke.

0 BO, 0 BW, 374 MCF, 250# TP, 19/64" choke.

MAR 27 1991

MAR 28 1991

10

Lease	FEDERAL "R" Well No. 1 Location
Section_	Block Township Range County Eddy State NM Proposed Depth
Survey	County Eddy State NM Proposed Depth
API No	Permit No. Permit Date Acreage
Drilling	Contractor Rig No. Page
DATE	DAILY REPORTS
DAIE	DAILI REPORTS
JUN 20 1990	MIRU Halliburton and foam-fraced the Atoka zone with 45 tons of CO ₂ + 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.

Lease	FEDERAL "R" Well No. 1 Location
Section_	BlockTownshipRange
Survey_	County Eddy State NM Proposed Depth
	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.
	Tubing count as follows:
	Below KB 12.00' 266 jts 2-3/8" 4.7# N-80 AB modified used 8478.52' 1 2-3/4" x 4-1/2" Otis Perma-Lach 14.55' packer assembly Bottom assembly 8505.07'
JUN 15 1990	RU and swabbed well down to packer. RU Hallifurton logging services and perforated Atoka 8626-38'. 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	O BO, O BW, 231 MCF. FTP 115#.
JUN 19 1990	0 BO, 0 BW, 261 MCF, FTP 130#, 28/64" choke.

	Leas	se	FEDERAL "R" Well No. 1 Location
			Block Township Range
	Surv	/ey	County_ Eddy State NM Proposed Depth
			Permit No. Permit Date Acreage
	Dril	lling	ontractorRig NoPage 8
	DATE	E	DAILY REPORTS
MAY	31 1	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 ₂ + 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	Ó7	1990	0 BO, 0 BW, 300 MCF/D rate. 1" choke on FTP 190#, 180# Backpressure. Left well flowing through production unit.
JUN	80 1	1990	0 BO, 0 BW, 300 MCF/D. 1" choke on FTP 190#, 180# Backpressure. Left well flowing through production unit.

Lease	FEDERAL "R" Well No. 1 Location
Section_	BlockTownshipRange
Survey	County Eddy State NM Proposed Depth
	Permit No. Permit Date Acreage
Drilling	ContractorRig NoPage 7
D.4.00.5	
DATE	DAILY REPORTS
APR 14 1990 (Cont'd)	Halliburton cemented with 1700 sxs. of Howco Lite containing 5#/sx. Gilsonite + 1#/sx. Flocele + .5% Halad 22-A + .3% CFR-3 followed by 200 sxs. 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: 273 - Jts. 2-3/8" 4.7# AB Mod. N-80 Used Tubing 8702.13' 1 - 2-3/8" x 4-1/2" Otis Perma-Lach Packer Assembly 15.20' TOTAL 8717.33' KB CORRECTION 15.00' BOTTOM PACKER ASSEMBLY SET AT 8732.33'
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 perfs with 1000 gallons of 7-1/2% MOD 101 acid + additives + 20 ball sealers + 500 SCF/bbl. of N2. 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 Hallibuburton 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.

6

(Cont'd)

PS	DOMESTIC RETURN RECEIPT	*U.S.G.P.O. 1989-238-815	PS Form 3811, Apr. 1989
	01=38	79-	7. Date of Delivery $5-C$
1 × 9	JOS S. 47H	hellot	6. Signature — Agent
n × º	Addressee's Address (ONLY if requested and fee paid)	, , ,	1
	Always obtain signature of addressee or agent and DATE DELIVERED.	-748-1471	Sos
المائية المستفود الساء ا	X Certified COD Express Mail Return Receipt for Merchandise	Street 88210	105 South 4th Street Artesia, NM 88210
en testar nen	ice:	Corporation	ert Bu
<u> </u>	rticle Number		3. Article Addressed to:
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and for a	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	IN TO' Space on the reverse seturn receipt fee will provide return receipt fee will provide a return set the following services	Put your address in the "RETUF from being returned to you. The the date of delivery. For addition
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y transmit	services are desired, and complete items	s 1 and 2 when additional services	SENDER: Complete items
			N S

DOMESTIC RETURN RECEIPT	PS Form 3811, Apr. 1989 *U.S.G.P.O. 1989-238-815
	7. Date of Delivery AUG 5 1991;
	6. Signature - Append
R. Addressee's Address (CIVLI I) requested and fee paid)	5. Signature – Addressee
agent and DATE DELIVER	915-686-3600
Express Main Return Receipt for Merchandise	Midland, TX 79702
Type of Service: Registered Insured COD	nron Oil a
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ide. Failure to do this will prevent this card ou the name of the person delivered to and are available. Consult postmaster for fees lress. 2. [Extra charge]	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 boxies! for additional service(s) requested. 1. ★ Show to whom delivered, date, and addressee's address. 2. ★ Restricted Delivery (Extra charge)
ervices are desired, and complete items	SENDER: Complete items 1 and 2 when additional services
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evron	Registered Insured	Box 3092	
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] [15 Smith Road	
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RECEIPT FOR CERTIFIED MAIL
NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL
(See Reverse)

Street and No.

P.O., State and ZIP Code

Signature - Addressee's Address (ONLY if	Article Addressed to: Robert W. Hanagan Ronadero Company, Inc. P. O. Box 2520 Casper, WY 82602-2520 Always obtain signature of addressee or agent and DATE DELIVERED.	SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4. 3 and 4. 4. 5 your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card m being returned to you. The return receipt fee will provide you the name of the person delivered to and adate of delivery. For additional fees the following services are available. Consult postmaster for fees the person delivery. For additional service(s) requested. 5 Show to whom delivered, date, and addressee's address. 6 Restricted Delivery. (Extra charge)
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PS Form 3800, June 1985

Postmark or Date

Return Receipt showing to whom and Date Delivered

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

TOTAL Postage and Fees

Special Delivery Fee

Restricted Delivery Fee

Certified Fee

Postage

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+U.S.G.P.O. 1989-238-815

DOMESTIC RETURN RECEIPT

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

Morty & Whetstone

MW/sh

MEWBOURNE OIL COMPANY L CONSERV

P.O. BOX 7698

TYLER, TEXAS 75711

903 - 561-2900

'91 AUR 14 NM 8 52

REC: VED

JN DIVISION

FAX 903 - 561-1870

August 2, 1991

DHC-818

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

> Application for Commingling RE:

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 I. Wellow

Monty L. Whetstone Manager, Drilling and Production

MW/sh

BY: <u>Alan W. Bohling</u> TITLE: <u>Provation Engineer</u>) DATE: <u>August 9, 1991</u>

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 S. Weldore

Monty L. Whetstone Manager, Drilling and Production

MW/sh

D37 . .

TITLE:

---//

DATE

IN- FACT

KB-

AUG 2 3 1991

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 Manager, Drilling and Production

Monty L. Welston

MW/sh

BY: Michael & Cayberty
TITLE: PRODUCTION MANAGER

DATE: 8/20/9/

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 Manager, Drilling and Production

MW/sh RONADERO Company, Am.

BY: RESIDENT

DATE: 8-

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,

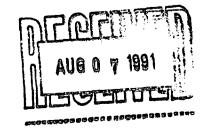
MEWBOURNE OIL COMPANY

Monty L. Whetstone Manager, Drilling and Production

MW/sh

BY: Marren frans TITLE: Owner - operator

DATE: 8/5/9/



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

> Application for Commingling RE: 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 I. Whethere

Monty L. Whetstone Manager, Drilling and Production

MW/sh

BY: Clan W. Bolling
TITLE: Pronation Engineer

DATE: Cenquet 9, 1991

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 Manager, Drilling and Production

Monty L. Whetdal

MW/sh

BY: Gary W Bullock por 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

 - Exxon Company, U.S.A.
 Mewbourne Oil Company
- Tract 5: SW/4SW/4 of Section 18, T17S, R28E

 - Exxon Company, U.S.A.
 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 I. 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 I. Amoco Production Company
- Tract 10: NE/4NW/4 of Section 19, T175, 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, T175, 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.
- Traot 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 I. Exxon Company, U.S.A.
 - Tract 17: SE/4SW/4 of Section 16, T17S, R28E 1. Amoco Production Company