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			NEW MEXICO OIL CONSERVATION DIVISION - Engineering Bureau -	
			1220 South St. Francis Drive, Santa Fe, NM 87505	
			ADMINISTRATIVE APPLICATION CHECKLIST	
-	THIS CHEC	KLIST IS M	ANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE	
Appli	ication A	cronym		
	[DI	HC-Down [PC-Po	adard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication] hole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling] of Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement] [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion] [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase] ified Enhanced Oli Recovery Certification] [PPR-Positive Production Response]	
[1]	TYPE	OFAP	PLICATION - Check Those Which Apply for [A]	
Γī}	IIIE	[A]	Location - Spacing Unit - Simultaneous Dedication NSL NSP SD OCT 6 2001	
		Check	One Only for [B] or [C]	
		[B]	Commingling - Storage - Measurement DHC CTB PLC PC OLS OLM	
		[C]	Injection - Disposal - Pressure Increase - Enhanced Oil Recovery WFX PMX SWD IPI EOR PPR	
		[D]	Other: Specify	
(2)	NOTI			
[2]	NOTI	[A]	ON REQUIRED TO: - Check Those Which Apply, of Does Not Apply Working, Royalty or Overriding Royalty Interest Owners	
		[B]	Offset Operators, Leaseholders or Surface Owner	1
		[C]	Application is One Which Requires Published Legal Notice	/
		[D]	Notification and/or Concurrent Approval by BLM or SLO U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office	
		[E]	For all of the above, Proof of Notification or Publication is Attached, and/or,	

[F] [] Waivers are Attached

[3] SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.

[4] **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is accurate and complete to the best of my knowledge. I also understand that no action will be taken on this application until the required information and notifications are submitted to the Division.

application until the required in	normation and notifications are s			
Note: Statemer	nt must be completed by an individual	with managerial and/or superv	isory capacity.	1.1
James Bruce (Alle Allel	Attorney fo	r Applicant	IC/B/O (
Frint or Type Name	Signature	Title		Date
JAMES BRUCE	/	jamesbruc@a	ol.com	
P. O. BOX 1056 Santa Fe, NM 87504	l	e-mail Address		<u> </u>

JAMES BRUCE

ATTORNEY AT LAW

POST OFFICE BOX 1056 SANTA FE, NEW MEXICO 87504

3304 CAMINO LISA HYDE PARK ESTATES SANTA FE, NEW MEXICO 87501

(505) 982-2043 (505) 982-2151 (FAX)

October 13, 2001

Michael E. Stogner Oil Conservation Division 1220 South St. Francis Drive Santa Fe, New Mexico 87505

Dear Mr. Stogner:

Pursuant to Division Rule 104.F.(2), Mewbourne Oil Company ("Mewbourne") applies for administrative approval of an unorthodox gas well location for the following well:

Well: Esperanza "23" State Well No. 1 Location: 2500 feet FNL & 1700 feet FWL Unit: W½ of Section 23, Township 21 South, Range 27 East, N.M.P.M., Eddy County, New Mexico

The well will be drilled to test the Morrow formation (Burton Flat-Morrow Gas Pool). The pool is developed on statewide rules. An APD for the well, with a Form C-102, is attached as Exhibit A.

The application is based on geologic reasons. Attached as Exhibit B is a geological summary, with appropriate structure and isopach maps attached. There are unsuccessful Morrow tests in the SW4NW4 and SW4SW4 of Section 23, which Mewbourne desires to move away from. The Middle Morrow sands are projected to be thickest in the southern part of the NE4, and thus Mewbourne wishes to remain in that quarter section.

Attached as Exhibit C is a land plats of the well unit. The well unit is comprised of a single state lease, and the unorthodox location is interior to the well unit. Therefore, offset operators were not notified of this application.

Please call me if you need any further information on this matter.

Very truly

Attorney for Mewbourne Oil Company

District II



81- South First, Artesia, NM 88210

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

District IV 2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico

Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

2040 South Pacheco

Santa Fe, NM 87505

Form C-101 Revised October 18, 1994 Instructions on back Submit to Appropriate District Office State Lease - 6 Copies Fee Lease - 5 Copies

AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

Mewbourne Oil Company PO Box 5270	Operator Name and Address		2OGRID Number 14744
Hobbs, New Mexico 88241		30 - (3API Number
4Property Code	₅Property Name	·····	eWell No.
	Esperanza 23 State		1

Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West Line	County
F	23	21S	27E		2500	N	1700	W	Eddy

"Proposed Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West Line	County	
		∍Proposed	Pool 1			10Proposed Pool 2				
Burton Flats	Morrow									

11Work Type Code	₁₂Well Type Code	₁₃Cable/Rotary	₁₄Lease Type Code	₁₅Ground Level Elevation
N	G	R	S	3239
16Multiple	17Proposed Depth	₁₅Formation	1₅Contractor	20Spud Date
	11900	Morrow	TBA	11-01-01

²¹Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17 1/2"	13 3/8"	48# H-40	400	400 sks	Surface
12 1/4"	8 5/8"	32# J-55	2600	800 sks	Surface
7 7/8"	5 1/2"	17# N & S	11900	500 sks	Above Wolfcamp

²⁰Describe the proposed program. If this application is to DEEPEN or PLUG BACK give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary

0-400' Drill w/ FW & spud mud. 400-2600' Drill w/ FW. Sweep when needed. Drill w/ cut brine. Sweep when needed. 2600-10,300' 10,300-TD Drill w/ cut brine & mud.

BOP diagram's attached.

²³ hereby certify that the information given above is true and complete to the best of my knowledge and belief.	OIL CONSERVATION DIVISION Approved By:		
Signature:			
Printed name: N.M. Young	Title:		
Title: District Manager	Approval Date:	Expiration Date:	



DISTRICT I 1635 N. French Dr., Hobbe, NM 88240

DISTRICT II 811 South Pirst, Artesia, NN 88210

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

DISTRICT IV 2040 South Pacheco, Santa Fe, NM 87505 State of New Mexico

Energy, Minerals and Natural Resources Department

Form C-102 Revised March 17, 1999 Instruction on back Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

OIL CONSERVATION DIVISION P.O. Box 2088

Santa Fe, New Mexico 87504-2088

□ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
) E	Burton Flats Morrow
Property Code	Property Name	Well Number
	ESPERANZA "23" STA	TE COM. 1
OGRID No.	Operator Name	Elevation
14744	MEWBOURNE OIL COMP	PANY 3239

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	23	215	27E		2500	NORTH	1700	WEST	EDDY

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres	Joint or	Infill Cor	nsolidation (Code Ord	ier No.	<u> </u>		L	L. <u></u>

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	OPERATOR CERTIFICATION
	I hereby certify the the information ontained herein is true and complete to the est of my knowledge and belief.
-2500'	Signatury
v 232-1	N.M. Young Printed Name
	District Manager THUe 9/26/01
1700'	Date SURVEYOR CERTIFICATION
N.32 27'57.8" W.104 09'48.9"	hereby certify that the well location shown in this plat was plotted from field notes of worked surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.
	9/27/2001 Date Surveyed Signature & Seal of
	Date Surveyed Signature Sea of Professional Surveyer NEW MEA 36 36 36 4 36 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
	Certified No Horschel I. Jones RLS 3640 MOC ESPERANZA -1 GENERALS SURVEYING COMPANY

GEOLOGICAL RECOMMENDATION

Mewbourne Oil Company #1 Esperanza "23" State Sec. 23 – T21S – R27E Eddy Co., New Mexico

The Proposed Location is located 2500' FNL & 1700' FWL of the section. This location, as compared to the Standard Location, will allow for greater sand thickness in the Middle Morrow Blue sand, which is the primary geological objective for this prospect.

The Middle Morrow Blue sand has been productive in a number of offsetting wells in the vicinity of the Proposed Location. This zone has produced alone, as well as commingled with other Morrow sands. Production from offsetting wells range from 5.0 - 0.5 BCFG, with the higher production volumes relating to greater sand thickness as well as higher structural positioning (See "Gross Sand Isopach, Mid-Morrow Blue").

A Standard Location was drilled and completed in this proposed unit in 1981. This well is located 900' northwest of Mewbourne's Proposed Location. Here the Amoco. #1 State "IR", tested wet in the Lower Morrow, tight in the Middle Morrow, and was completed for 100 Mcfd from the Upper Morrow, but never produced. The Amoco well subsequently produced from the Atoka (0.152 BCFG) and Wolfcamp (0.125 BCFG & 5.303 MBO) formations, and is currently an active producer in the Bone Springs (See "Producing Formation Data Map"). Log analysis of the Amoco well indicates the Middle Morrow Blue and other sands of the Middle Morrow to be gas productive. Based upon subsurface mapping from nearby well control, the Mewbourne Proposed Location will encounter the Middle Morrow Blue sand, as well as potentially other Middle Morrow sands with a greater thickness and presumably better porosity and permeability than encountered in the Amoco well.

The Lower Morrow is wet in the vicinity of the prospect with the exception of the lower members of the Brown sand. These sands are often encountered productive off structure and stratigraphically trapped; these can yield production in the 0.5 BCFG range. The Amoco well encountered potentially productive sands in this interval that were never tested. The Proposed Location, 25' down dip to the Amoco well may encounter these sands in a thicker and potentially productive section.

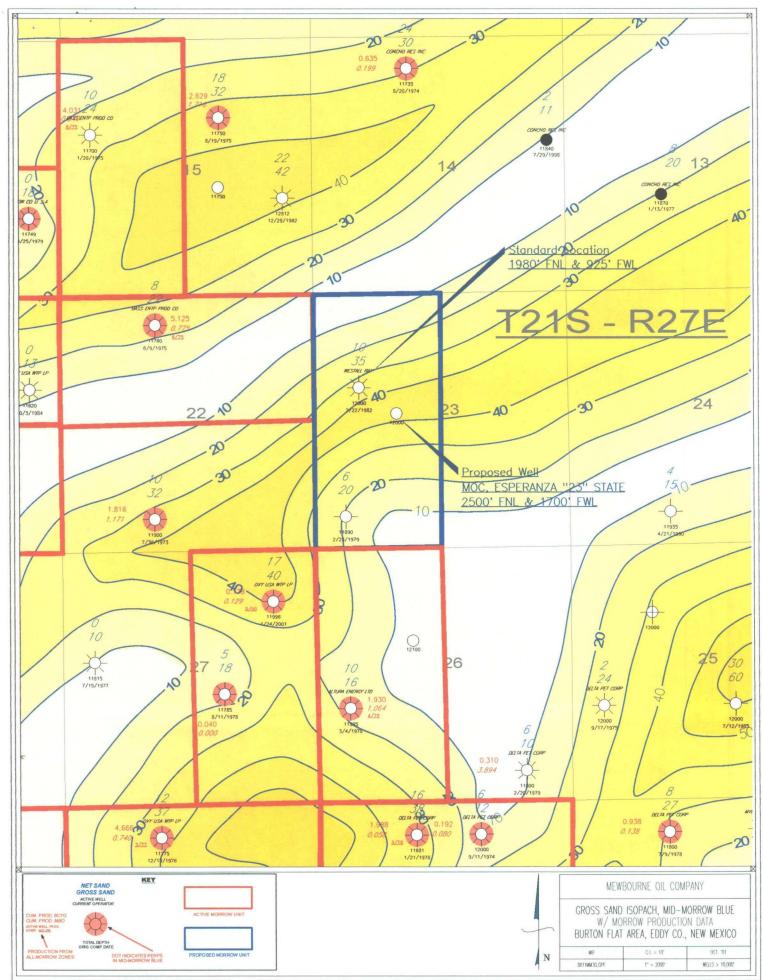
In the vicinity of the Proposed Location zones shallower than the Morrow are potentially productive in the Atoka, Strawn, and Wolfcamp formations. When encountered these zones are typically limited in productive extent and yield reserves in the 0.1 - .05 BCFG range (See Producing Formation Table). In an effort to prevent waste, these shallow zones should be pooled within the same unit as the Morrow formation to optimize well economics as they are not typically of sufficient volume to drill a stand-alone well.

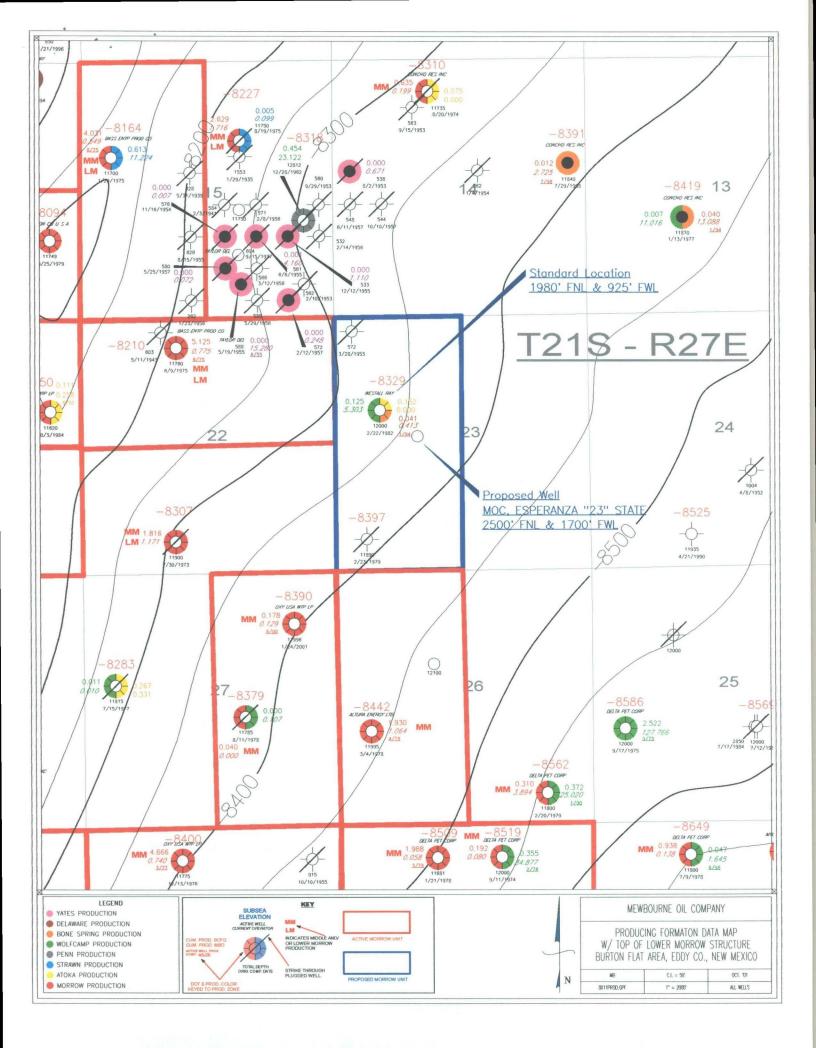
Based upon my geological study of this proposed unit and adjacent area Mewbourne's Proposed location is optimum to any Standard Location within the unit.

Mike Burke

Petroleum Geologist Mewbourne Oil Company







PRODUCING FORMATION DATA TABLE MOC, #1 ESPERANZA "23" STATE

STATUS	ACTIVE	CINE	INACTIVE	NACTIVE	CTIVE	ACTIVE	ACTIVE	NACTIVE	NACTIVE	NACTIVE	NACTIVE	ACTIVE	NUCTIVE	INACTIVE	ACTIVE	CTIVE	ACTIVE	MCTIVE	ACTIVE	CTIVE	ACTIVE	MCTIVE	CTIVE	CTIVE	CTIVE	ACTIVE	CTIVE	ACTIVE	ACTIVE	INACTIVE	MCTIVE	ACTIVE
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SEC N'S FTG	13 1960 FSL	13 1960 FSL	13 1960 FSL	14 2310 FNL	14 060 FNL	14 660 FNL	14 2160 FNL	15 330 FSL	15 1650 FSL	15 1050 FSL	15 1050 FSL	15 060 FSL	15 990 FSL	15 1960 FSL	15 1960 FNL	15 1960 FNL	15 1650 FNL	15 1650 FNL	22 060 FSL	22 060 FNL	23 1960 FNL	23 1960 FNL	23 1950 FNL	25 1960 FSL	26 1960 FSL	26 660 FSL	26 660 FBL	27 2310 FNL	27 2310 FNL	27 2310 FSL	27 2310 FSL	27 1070 FN
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CMD : ONGARD 10/18/01 12:39:32 OG6C101 C101-APPLICATION FOR PERMIT TO DRILL OGOMES -TPX6 OGRID Idn : 14744 API Well No: 30 15 32024 APD Status(A/C/P): A Opr Name, Addr: MEWBOURNE OIL CO Aprvl/Cncl Date : 10-03-2001 PO BOX 7698 TYLER, TX 75711 Prop Idn: 28913 ESPERANZA 23 STATE Well No: 2 U/L Sec Township Range Lot Idn North/South East/West --- --- ----- ----- ------ ------21S 27E Surface Locn : N 23 FTG 660 F S FTG 1980 F W OCD U/L : N API County : 15 Work typ(N/E/D/P/A) : N Well typ(O/G/M/I/S/W/C): G Cable/Rotary (C/R) : F Lease typ(F/S/P/N/J/U/I): S Ground Level Elevation : 3194 State Lease No: V 00232 Multiple Comp (S/M/C) : S Prpsd Depth : 11900 Prpsd Frmtn : BURTON FLATS MORROW E0009: Enter data to modify record PF03 EXIT PF04 GoTo PF05 PF06 CONFIRM PF01 HELP PF02 PF08 PF09 PRINT PF10 C102 PF11 HISTORY PF12 PF07

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