

Energy, Minerals and Natural Resources

Oil Conservation Division

1220 S. St Francis Dr.

Santa Fe, NM 87505

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

1. Operator Name and Address MEWBOURNE OIL CO PO BOX 5270 HOBBS , NM 88241		2. OGRID Number 14744
		3. API Number 30-025-39208
4. Property Code 37437	5. Property Name CARDINAL 21	6. Well No. 001

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
I	21	19S	35E	I	1980	S	600	E	LEA

8. Pool Information

PEARL BONE SPRING	4968
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Additional Well Information

Additional well information				
9. Work Type New Well	10. Well Type OIL	11. Cable/Rotary	12. Lease Type Private	13. Ground Level Elevation 3744
14. Multiple N	15. Proposed Depth 11100	16. Formation Bone Spring	17. Contractor	18. Spud Date 11/1/2008
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water
Pit: Liner: Synthetic <input type="checkbox"/> mls thick Clay <input type="checkbox"/> Pit Volume: bbls Drilling Method: Closed Loop System <input type="checkbox"/> Fresh Water <input checked="" type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>				

19. Proposed Casing and Cement Program

Type	Hole Size	Casing Type	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17.5	13.375	48	1750	650	0
Int1	12.25	8.625	32	3500	1500	0
Prod	7.875	5.5	17	11100	1850	3000

Casing/Cement Program: Additional Comments

MOC proposes to drill & test the Bone Spring & intermediate formations. H2S rule 118 does not apply because MOC has researched this area & no high concentrations were found. Will have on location & working all H2S safety equipment before Queens formation for safety & insurance purposes. If commercial, production casing will be run & cemented. Will perforate & stimulate as needed for production.

Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
DoubleRam	3000	3000	Schaffer or equivalent

I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that the drilling pit will be constructed according to NMOCD guidelines <input type="checkbox"/> a general permit <input type="checkbox"/> , or an (attached) alternative OCD-approved plan <input type="checkbox"/> .	OIL CONSERVATION DIVISION	
Printed Name: Electronically filed by Monty Whetstone	Approved By: Paul Kautz	
Title: Vice President Operations	Title: Geologist	
Email Address: prodmgr@mewbourne.com	Approved Date: 10/21/2008 Expiration Date: 10/21/2010	
Date: 10/8/2008 Phone: 903-561-2900	Conditions of Approval Attached	

District I
 1625 N. French Dr., Hobbs, NM 88240
 Phone:(505) 393-6161 Fax:(505) 393-0720

District II
 1301 W. Grand Ave., Artesia, NM 88210
 Phone:(505) 748-1283 Fax:(505) 748-9720

District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV
 1220 S. St Francis Dr., Santa Fe, NM 87505
 Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

Form C-102
 Permit 83099

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-025-39208	2. Pool Code 49680	3. Pool Name PEARL BONE SPRING
4. Property Code 37437	5. Property Name CARDINAL 21	6. Well No. 001
7. OGRID No. 14744	8. Operator Name MEWBOURNE OIL CO	9. Elevation 3744

10. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
I	21	19S	35E		1980	S	600	E	LEA

11. Bottom Hole Location If Different From Surface

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
12. Dedicated Acres 40.00		13. Joint or Infill		14. Consolidation Code		15. Order No.			

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 that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location(s) or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

E-Signed By: Monty Whetstone
 Title: Vice President Operations
 Date: 10/8/2008

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 belief.

Surveyed By: Gary Jones
 Date of Survey: 7/30/2008
 Certificate Number: 7977

Permit Comments

Operator: MEWBOURNE OIL CO , 14744

Well: CARDINAL 21 #001

API: 30-025-39208

Created By	Comment	Comment Date
NMYOUNG	Mud Program: 0-500' FW & spud mud. 500'-1700' FW & spud mud. 1700'-3500' Brine water. 3500'-TD FW w/sweeps. LCM for seepage. MOC proposes to drill below surface casing w/FW mud to cover redbeds & will switch to brine water below Rustler formation (Lea County Exception)	10/8/2008
DMULL	OCD received form C-144, "Pit Registration". OCD Permit Number P1-00573.	10/21/2008

Permit Conditions of Approval

Operator: MEWBOURNE OIL CO , 14744

Well: CARDINAL 21 #001

API: 30-025-39208

OCD Reviewer	Condition
pkautz	Surface casing must be set 25' below top of Rustler Anhydrite