

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720

**District II**  
811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 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-101  
August 1, 2011  
Permit 174694

**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
4. Property Code 39983		3. API Number 30-015-41731
5. Property Name Zircon 1 HE State		6. Well No. 002H

**7. Surface Location**

UL - Lot H	Section 1	Township 19S	Range 29E	Lot Idn H	Feet From 1700	N/S Line N	Feet From 260	E/W Line E	County Eddy
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**8. Proposed Bottom Hole Location**

UL - Lot E	Section 1	Township 19S	Range 29E	Lot Idn E	Feet From 2310	N/S Line N	Feet From 330	E/W Line W	County Eddy
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**9. Pool Information**

Turkey Track Bone Spring	0
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**Additional Well Information**

11. Work Type New Well	12. Well Type OIL	13. Cable/Rotary	14. Lease Type State	15. Ground Level Elevation 3420
16. Multiple N	17. Proposed Depth 12750	18. Formation 2nd Bone Spring Sand	19. Contractor	20. Spud Date 11/4/2013
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

☐ We will be using a closed-loop system in lieu of lined pits

**21. Proposed Casing and Cement Program**

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17.5	13.375	48	340	400	0
Int1	12.25	9.625	36	1500	500	0
Prod	8.75	7	26	8350	950	0
Liner1	6.125	4.5	13.5	12750	0	0

**Casing/Cement Program: Additional Comments**

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**22. Proposed Blowout Prevention Program**

Type	Working Pressure	Test Pressure	Manufacturer
Annular	2000	1500	Schaffer
Double Ram	3000	3000	Schaffer
Annular	3000	1500	Schaffer

23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify I have complied with 19.15.14.9 (A) NMAC <input checked="" type="checkbox"/> and/or 19.15.14.9 (B) NMAC <input checked="" type="checkbox"/> if applicable.  Signature: _____ Printed Name: Electronically filed by Monty Whetstone Title: Vice President Operations Email Address: prodmgr@mewbourne.com Date: 10/9/2013	<b>OIL CONSERVATION DIVISION</b>  Approved By: Randy Dade Title: District Supervisor Approved Date: 10/9/2013      Expiration Date: 10/9/2015 Conditions of Approval Attached
Phone: 903-561-2900	

Surveyed By: Robert Howett  
Date of Survey: 10/2/2013  
Certificate Number: 19680

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Form APD Comments

Permit 174694

**PERMIT COMMENTS**

Operator Name and Address: MEWBOURNE OIL CO [14744] Po Box 5270 Hobbs, NM 88241		API Number: 30-015-41731
		Well: Zircon 1 HE State #002H
Created By	Comment	Comment Date
CSHAPARD	Land s/S	10/9/2013

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Form APD Conditions

Permit 174694

**PERMIT CONDITIONS OF APPROVAL**

Operator Name and Address: MEWBOURNE OIL CO [14744] Po Box 5270 Hobbs, NM 88241		API Number: 30-015-41731
		Well: Zircon 1 HE State #002H

OCD Reviewer	Condition
CSHAPARD	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string