

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) 749-1283 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 197814

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 30-025-43235
4. Property Code 316220	5. Property Name BIRDDOG 20 17 B2ED STATE COM	6. Well No. 001H

7. Surface Location

UL - Lot E	Section 20	Township 21S	Range 34E	Lot Idn E	Feet From 2380	N/S Line N	Feet From 660	E/W Line W	County Lea
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8. Proposed Bottom Hole Location

UL - Lot D	Section 17	Township 21S	Range 34E	Lot Idn D	Feet From 330	N/S Line N	Feet From 450	E/W Line W	County Lea
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9. Pool Information

BERRY;BONE SPRING, SOUTH	96660
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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 3721
16. Multiple N	17. Proposed Depth 18100	18. Formation 2nd Bone Spring Sand	19. Contractor	20. Spud Date 6/1/2016
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	54.5	1920	1340	0
Int1	12.25	9.625	40	5700	1205	0
Int2	8.75	7	26	10460	1010	0
Prod	8.75	5.5	17	18100	0	0

Casing/Cement Program: Additional Comments

MOC proposed to drill & test the Bone Springs formation. H2S rule 118 does not apply because MOC has researched the area & no high concentrations were found. Will have on location & working all H2S safety equipment before Yates formation for safety & insurance purposes. Will stimulate as needed for production.

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 and/or 19.15.14.9 (B) NMAC , if applicable.

OIL CONSERVATION DIVISION

Signature:			
Printed Name:	Electronically filed by Monty Whetstone	Approved By:	Paul Kautz
Title:	Vice President Operations	Title:	Geologist
Email Address:	prodmgr@mewbourne.com	Approved Date:	5/19/2016
Date:	5/13/2016	Expiration Date:	5/19/2018
Phone:	903-561-2900	Conditions of Approval Attached	

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Form C-102
 August 1, 2011
 Permit 197814

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-025-43235	2. Pool Code 96660	3. Pool Name BERRY;BONE SPRING, SOUTH
4. Property Code 316220	5. Property Name BIRDDOG 20 17 B2ED STATE COM	6. Well No. 001H
7. OGRID No. 14744	8. Operator Name MEWBOURNE OIL CO	9. Elevation 3721

10. Surface Location

UL - Lot E	Section 20	Township 21S	Range 34E	Lot Idn E	Feet From 2380	N/S Line N	Feet From 660	E/W Line W	County Lea
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11. Bottom Hole Location If Different From Surface

UL - Lot D	Section 17	Township 21S	Range 34E	Lot Idn D	Feet From 330	N/S Line N	Feet From 450	E/W Line W	County Lea
12. Dedicated Acres 240.00			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
	<p><i>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.</i></p> <p>E-Signed By: Monty Whetstone Title: Vice President Operations Date: 5/13/2016</p>
	SURVEYOR CERTIFICATION
	<p><i>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.</i></p> <p>Surveyed By: Robert Howett Date of Survey: 4/21/2016 Certificate Number: 19680</p>

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Form APD Comments

Permit 197814

PERMIT COMMENTS

Operator Name and Address: MEWBOURNE OIL CO [14744] PO Box 5270 Hobbs, NM 88241	API Number: 30-025-43235
	Well: BIRDDOG 20 17 B2ED STATE COM #001H

Created By	Comment	Comment Date
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Form APD Conditions

Permit 197814

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: MEWBOURNE OIL CO [14744] PO Box 5270 Hobbs, NM 88241	API Number: 30-025-43235
	Well: BIRDDOG 20 17 B2ED STATE COM #001H

OCD Reviewer	Condition
pkautz	Will require a directional survey with the C-104
pkautz	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
pkautz	If using a pit for drilling and completion operations, must have an approved pit from prior to spudding the well.
pkautz	1) SURFACE & INTERMEDIATE CASING - Cement must circulate to surface -- 2) PRODUCTION CASING - Cement must tie back into intermediate casing --
pkautz	f cement does not circulate to surface, must run temperature survey or other log to determine top of cement
pkautz	Surface casing must be set 25' below top of Rustler Anhydrite in order to seal off protectable water
pkautz	Must notify OCD Hobbs Office if lost circulation is encountered at 575-370-3186
pkautz	Must notify OCD Hobbs Office of any water flows in the Salado Formation at 575-370-3186. Report depth and flow rate
pkautz	1) Must notify OCD Hobbs Office prior to running Stage Tool at 575-370-3186 2) If using Stage Tool on Surface casing, Stage Tool must be set greater than 350' from surface and a minimum of 200 feet above surface shoe. 3) When using a Stage Tool on Intermediate or Production Casing Stage must be a minimum of 50 feet below previous casing shoe.
pkautz	The New! Gas Capture Plan (GCP) notice is posted on the NMOCD website under Announcements. The Plan became effective May 1, 2016. A copy of the GCP form is included with the NOTICE and is also in our FORMS section under Unnumbered Forms. Please review filing dates for all applicable activities currently approved or pending and submit accordingly. Failure to file a GCP may jeopardize the operator's ability to obtain C-129 approval to flare gas after the initial 60-day completion period.