

District I

1527 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-5101 Fax: (575) 393-0720

District II

511 S. First St., Artesia, NM 88210
Phone: (575) 749-1283 Fax: (575) 749-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410
Phone: (505) 334-8178 Fax: (505) 334-8170

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 177180

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

1. Operator Name and Address ELEVATION RESOURCES LLC 200 N. Lorraine, Ste. 1010 Midland, TX 79701		2. OGRID Number 302164
4. Property Code 40263		3. API Number 30-025-41579
5. Property Name Birdog 19 State		5. Well No. 001H

7. Surface Location

UL - Lot O	Section 19	Township 21S	Range 34E	Lot Idn	Feet From 225	N-S Line S	Feet From 1980	E-W Line E	County Lea
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8. Proposed Bottom Hole Location

UL - Lot B	Section 19	Township 21S	Range 34E	Lot Idn B	Feet From 330	N-S Line N	Feet From 1980	E-W Line E	County Lea
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9. Pool Information

WC-025 G-07 S213430M, BONE SPRING	97962
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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 3747
16. Multiple N	17. Proposed Depth 16345	18. Formation Bone Spring	19. Contractor	20. Spud Date 12/1/2013
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/lb	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17.5	13.375	54.5	1980	1155	0
Int1	12.25	9.625	40	5800	610	0
Prod	8.75	5.5	17	16345	0	0

Casing/Cement Program: Additional Comments

Drill 17-1/2" hole to +/-1980' w/fresh water spud mud. Run 13-3/8" 54.5# J-55 STC casing to TD and cement to surface in one stage. Will use 1" tubing and Class C w/2% CaCl2 to cement to surface if necessary. Drill 12-1/4" hole to +/-5800' w/cut brine water. If losses occur in the Reef, will switch to fresh water to interval TD. Run 9-5/8" 40# HCK-55 LTC casing to TD with DV tool placed 100' above surface shoe. Plan to circulate cement on both stages. An 8-3/4" pilot hole will be drilled to 12,300', logged and plugged back. A kick-off plug or whipstock will be set to drill 8-3/4" curve and 7-7/8" lateral to 12,300' w/cut brine. Run 5-1/2" 17# P-110 CDC casing to TD with a DV tool placed 100' above 9-5/8" shoe. Amount of cement to be determined. Plan to circulate cement on both stages.

22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Double Ram	3000	3000	Cameron

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 Sherry Harper	Approved By: Paul Kautz
Title: Production Analyst	Title: Geologist
Email Address: sharper@elevationres.com	Approved Date: 12/30/2013
Date: 11/27/2013	Expiration Date: 12/30/2015
Phone: 432-688-3382	Conditions of Approval Attached

Oil Conservation Division
Case No. 15087
Exhibit No. 2

District I

1525 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-5161 Fax:(575) 393-0720

District II

811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720

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1000 Rio Brazos Rd., Aztec, NM 87410
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1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 475-3470 Fax:(505) 475-3462

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

Form C-102
August 1, 2011

Permit 177180

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-025-41579	2. Pool Code 97962	3. Pool Name WC-025 G-07 S213430M:BONE SPRING
4. Property Code 40263	5. Property Name Birdog 19 State	6. Well No. 001H
7. OGRID No. 302164	8. Operator Name ELEVATION RESOURCES LLC	9. Elevation 3747

10. Surface Location

UL - Lot O	Section 19	Township 21S	Range 34E	Lot Idn	Feet From 225	N-S Line S	Feet From 1980	E/W Line E	County Lea
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11. Bottom Hole Location If Different From Surface

UL - Lot B	Section 19	Township 21S	Range 34E	Lot Idn	Feet From 330	N-S Line N	Feet From 1980	E/W Line E	County Lea
12. Dedicated Acres 160.00	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>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>	
	E-Signed By: Sherry Harper Title: Production Analyst Date: 11/27/2013	
	SURVEYOR CERTIFICATION	
	<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>	
	Surveyed By: Macon McDonald Date of Survey: 10/29/2013 Certificate Number: 12185	