

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 182176

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

1. Operator Name and Address DEVON ENERGY PRODUCTION COMPANY, LP 333 W. Sheridan Avenue Oklahoma City, OK 73102		2. OGRID Number 6137
4. Property Code 38600		3. API Number 30-015-42113
5. Property Name SNAPPING 2 STATE		6. Well No. 013H

7. Surface Location

UL - Lot N	Section 2	Township 26S	Range 31E	Lot Idn	Feet From 200	N/S Line S	Feet From 2375	E/W Line W	County Eddy
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8. Proposed Bottom Hole Location

UL - Lot C	Section 2	Township 26S	Range 31E	Lot Idn C	Feet From 330	N/S Line N	Feet From 1980	E/W Line W	County Eddy
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9. Pool Information

WILDCAT BIG SINK;BONE SPRING	96654
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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 3237
16. Multiple N	17. Proposed Depth 16044	18. Formation Bone Spring	19. Contractor	20. Spud Date 5/26/2014
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	1000	930	0
Int1	12.25	9.625	40	4050	1510	0
Int2	8.75	7	29	11500	1020	4150
Prod	6.125	4.5	13.5	16044	470	10930

Casing/Cement Program: Additional Comments

9-5/8" Intermediate #1 Two Stage Option 790 12.6 9.81 1.73 Lead (60:40) Class C Cement: Poz (Fly Ash): 6% BWOC Bentonite + 5% BWOW Sodium Chloride + 0.125 lbs/sack Poly-E-Flake + 70.9 % Fresh Water 250 13.8 6.32 1.38 Tail Class C Cement + 63.5% Fresh Water DV Tool at 1150ft 530 14.8 6.32 1.33 Tail Class C Cement + 63.5% Fresh Water 7" Intermediate #2 Single Stage Option 870 11.0 14.94 2.66 Lead Tuned Light Blend + 0.125 lb/sk Pol-E-Flake + 76.3% Fresh Water 205 14.4 5.69 1.25 Tail (50:50) Class H Cement: Poz (Fly Ash) + 0.3% bwoc HALAD-9 + 0.2% bwoc HR-800 + 1lb/sk KolSeal + 2% bwoc Bentonite + 62.3 % Fresh Water 4-1/2" Production Liner 570' tie back into casing Notes: • Cement volumes Surface 100%, Intermediate #1 75% , Intermediate #2 50% and Production Liner based on at least 25% excess • Actual cement volumes will be adjusted based on fluid caliper and caliper log data • If lost circulation is encountered while drilling th

22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Annular	3000	3000	
Double Ram	3000	3000	

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 type="checkbox"/> , if applicable. Signature: _____ Printed Name: Electronically filed by Randy Bolles Title: Manager, Regulatory Affairs Email Address: randy.bolles@dmv.com Date: 2/26/2014	<p style="text-align: center;">OIL CONSERVATION DIVISION</p> Approved By: Randy Dade Title: District Supervisor Approved Date: 2/26/2014 Expiration Date: 2/26/2016 Conditions of Approval Attached
Phone: 405-228-8588	

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Form C-102
August 1, 2011
Permit 182176

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-015-42113	2. Pool Code 96654	3. Pool Name WILDCAT BIG SINK;BONE SPRING
4. Property Code 38600	5. Property Name SNAPPING 2 STATE	6. Well No. 013H
7. OGRID No. 6137	8. Operator Name DEVON ENERGY PRODUCTION COMPANY, LP	9. Elevation 3237

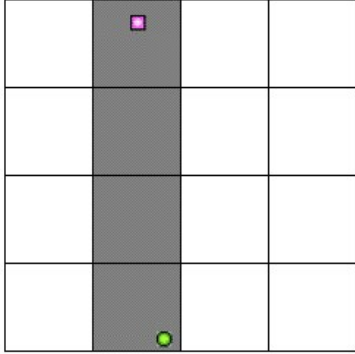
10. Surface Location

UL - Lot N	Section 2	Township 26S	Range 31E	Lot Idn	Feet From 200	N/S Line S	Feet From 2375	E/W Line W	County Eddy
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11. Bottom Hole Location If Different From Surface

UL - Lot C	Section 2	Township 26S	Range 31E	Lot Idn	Feet From 330	N/S Line N	Feet From 1980	E/W Line W	County EDDY
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

	<p style="text-align: center;">OPERATOR CERTIFICATION</p> <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: Randy Bolles Title: Manager, Regulatory Affairs Date: 2/26/2014</p> <hr/> <p style="text-align: center;">SURVEYOR CERTIFICATION</p> <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: Fillimon Jarmillo Jarmillo Date of Survey: 10/31/2013 Certificate Number: 12797</p>
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Form APD Comments

Permit 182176

PERMIT COMMENTS

Operator Name and Address: DEVON ENERGY PRODUCTION COMPANY, LP [6137] 333 W. Sheridan Avenue Oklahoma City, OK 73102	API Number: 30-015-42113
	Well: SNAPPING 2 STATE #013H

Created By	Comment	Comment Date
coucht	4. Pressure Control Equipment The BOP system used to drill the 17-1/2" hole will consist of a 20" 2M Annular preventer. The BOP system will be tested as per BLM Onshore Oil and Gas Order 2 as a 2M system prior to drilling out the casing shoe. A 3M 13-5/8" BOP system (Double Ram and Annular preventer) will be installed and tested prior to drilling out the surface casing shoe. The BOP system used to drill the intermediate hole will be tested per BLM Onshore Oil and Gas Order 2. A 3M 13-5/8" BOP system (Double Ram and Annular preventer) will be installed and tested prior to drilling out the in	2/26/2014
CSHAPARD	Land s/S	2/26/2014

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Form APD Conditions

Permit 182176

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: DEVON ENERGY PRODUCTION COMPANY, LP [6137] 333 W. Sheridan Avenue Oklahoma City, OK 73102		API Number: 30-015-42113
		Well: SNAPPING 2 STATE #013H

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