

State of New Mexico
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 DEVON ENERGY PRODUCTION COMPANY, LP 20 N Broadway Oklahoma City, OK 73102		2. OGRID Number 6137
4. Property Code 38600		3. API Number 30-015-39073
5. Property Name SNAPPING 2 STATE		6. Well No. 005H

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
P	2	26S	31E	P	330	S	785	E	EDDY

8. Pool Information

WILDCAT;BONE SPRING	96403
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Additional Well Information

9. Work Type New Well	10. Well Type OIL	11. Cable/Rotary	12. Lease Type State	13. Ground Level Elevation 3265
14. Multiple N	15. Proposed Depth 13526	16. Formation 1st Bone Spring Sand	17. Contractor	18. Spud Date
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water
Pit: Liner: Synthetic ☐ mils thick Clay ☐ Pit Volume: bbls Drilling Method: Closed Loop System ☐ Fresh Water ☒ Brine ☐ Diesel/Oil-based ☐ Gas/Air ☐				

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	925	900	0
Int1	12.25	9.625	40	4150	1400	0
Prod	8.75	5.5	17	13526	475	0
Prod	8.75	5.5	17	7900	1850	3650

Casing/Cement Program: Additional Comments

13-3/8" Surface Lead: 650 SX Cl C + 2% bwoc Calcium Chloride + 0.125#/sx CF + 4% bwoc Bentonite + 81.4% FW 13.5 ppg, Yld: 1.75 cf/sx. TOC @ surface Tail: 250 sx Cl C + 2% bwoc Calcium Chloride + 0.125#/sx CF + 56.3% FW 14.8 ppg. Yld: 1.35 cf/sx. 9-5/8" Intermediate Lead: 1100 sx (35:65) Poz (Fly Ash):Cl C + 5% bwoc Sodium Chloride + 0.125#/sx CF + 6% bwoc Bentonite + 107.8% FW 12.5 ppg. Yld: 1.96 cf/sx. TOC @ surface. Tail: 300 sx Cl C + 5% bwoc Sodium Chloride + 0.125#/sx CF + 0.4% bwoc Sodium Metasilicate + 4% bwoc MPA-5 + 52.7% Wtr, 14.8 ppg. Yld: 1.34 cf/sx. 5-1/2" Production 1st Stage Lead: 450 sx (35:65) Poz (Fly Ash):Cl H + 5% bwoc Sodium Chloride + 0.3% bwoc CD-32 + 0.5% bwoc FL-25 + 2% bwoc Bentonite + 0.6% bwoc Sodium Metasilicate + 0.5% bwoc FL-52A + 102.5% FW 12.5 ppg. Yld: 2.00 cf/sx. Tail: 1400 sax (50:50) Poz (Fly Ash):Cl Ht + 1% bwoc Sodium Chloride + 0.2% bwoc R-3 + 0.125#/sx CF + 0.5% bwoc BA-10A + 4% bwoc MPA-5 + 58.3% FW 14.2 ppg.

Proposed Blowout Prevention Program

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

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 ☐ a general permit ☐ or an (attached) alternative OCD-approved plan ☐ .	OIL CONSERVATION DIVISION	
Printed Name: Electronically filed by Randy Bolles	Approved By: Randy Dade	
Title: Manager, Regulatory Affairs	Title: District Supervisor	
Email Address: randy.bolles@dmv.com	Approved Date: 5/25/2011	Expiration Date: 5/25/2013
Date: 5/25/2011	Phone: 405-228-8588	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 131046

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-015-39073	2. Pool Code 96403	3. Pool Name WILDCAT;BONE SPRING
4. Property Code 38600	5. Property Name SNAPPING 2 STATE	6. Well No. 005H
7. OGRID No. 6137	8. Operator Name DEVON ENERGY PRODUCTION COMPANY, LP	9. Elevation 3265

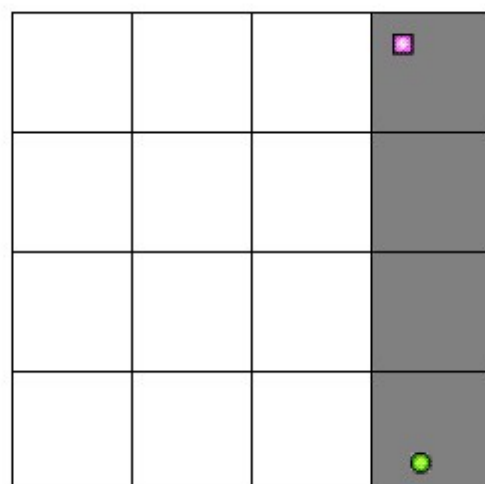
10. Surface Location

UL - Lot P	Section 2	Township 26S	Range 31E	Lot Idn	Feet From 330	N/S Line S	Feet From 785	E/W Line E	County EDDY
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11. Bottom Hole Location If Different From Surface

UL - Lot A	Section 2	Township 26S	Range 31E	Lot Idn A	Feet From 330	N/S Line N	Feet From 990	E/W Line E	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



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: Randy Bolles
Title: Manager, Regulatory Affairs
Date: 5/25/2011

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: Frank Jaramillo
Date of Survey: 4/7/2011
Certificate Number: 438

Permit Comments

Operator: DEVON ENERGY PRODUCTION COMPANY, LP , 6137

Well: SNAPPING 2 STATE #005H

API: 30-015-39073

Created By	Comment	Comment Date
barnettj	Pressure Control Equipment: The BOP system used to drill the intermediate hole will consist of a 13-5/8" 3M Triple Ram and Annular preventer. The BOP system will be tested as a 3M system prior to drilling out the surface casing shoe. The BOP system used to drill the production hole will consist of a 13-5/8" 3M Triple Ram and Annular preventer. The BOP system will be tested as a 3M system prior to drilling out the intermediate casing shoe. The pipe rams will be operated and checked each 24 hour period and each time the drill pipe is out of the hole. These tests will be logged in the	5/25/2011
barnettj	MAXIMUM TVD 9,090'	5/25/2011
Artesia	Land S/S	5/25/2011

Permit Conditions of Approval

Operator: DEVON ENERGY PRODUCTION COMPANY, LP , 6137

Well: SNAPPING 2 STATE #005H

API: 30-015-39073

OCD Reviewer	Condition
Artesia	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