

District I

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Ave., Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

Oil Conservation Division

1220 S. St Francis Dr.

Santa Fe, NM 87505

Form C-

APPLICATION FOR PERMIT TO DRILL

Operator Name and Address DEVON ENERGY PRODUCTION COMPANY, LP 20 N. Broadway Oklahoma City, OK 73102		OGRID Number 6137
		API Number 30-015-33218
Property Code 32437	Property Name H B 2 STATE	Well No. 008

Surface Location

UL or Lot L	Section 2	Township 24S	Range 29E	Lot Idn L	Feet From 1830	N/S Line S	Feet From 710	E/W Line W	County Eddy
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Proposed Pools

CEDAR CANYON;BONE SPRING 11520

Work Type New Well	Well Type OIL	Cable/Rotary	Lease Type State	Ground Level Elevation 3057
Multiple N	Proposed Depth 8300	Formation Bone Spring	Contractor	Spud Date 01/15/2004

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	500	400	0
Int1	11	8.625	32	2900	1025	0
Prod	7.875	5.5	15.5	8300	1900	0

Casing/Cement Program: Additional Comments

13 3/8 Cmt lead w/260sx 35:65:6 Poz C & tail w/250sx Class C Neat, circ 100 sx to pit 8 5/8 cmt lead w/725 sx 35:65 Poz Class C & tail w/300 sx 60:40 Poz C, circ 100 sx to pit 5 1/2 cmt lead w/700 sx 35:65 Poz Class C & tail w/500 sx 60:40 Poz Class C. Circ Cmt off DV tool @4000, pump 500 sx 60:40 Poz thru DV to surface. No Hydrogen sulfide or other hazardous gases or fluids have been encountered, reported or are known to exist at this depth in this area
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Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Annular	3000	3000	

I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

Electronically Signed By: Karen Cottom

Title: Operations Technician

Date: 01/27/2004

Phone: 405-228-7512

OIL CONSERVATION DIVISION

Electronically Approved By: Bryan Arrant

Title: Geologist

Approval Date: 02/02/2004

Expiration Date: 02/02/2005

Conditions of Approval:

No Conditions

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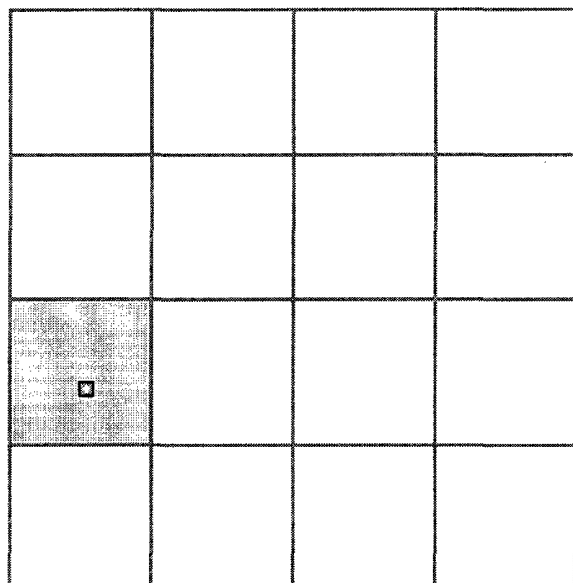
Form C-

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-33218	Pool Name CEDAR CANYON;BONE SPRING	Pool Code 11520
Property Code 32437	Property Name H B 2 STATE	Well No. 008
OGRID No. 6137	Operator Name DEVON ENERGY PRODUCTION COMPANY, LP	Elevation 3057

Surface And Bottom Hole Location

UL or Lot L	Section 2	Township 24S	Range 29E	Lot Idn L	Feet From 1830	N/S Line S	Feet From 710	E/W Line W	County Eddy
Dedicated Acres 39.7	Joint or Infill	Consolidation Code	Order No.						

**OPERATOR CERTIFICATION**

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Electronically Signed By: Karen Cottom

Title: Operations Technician

Date: 01/27/2004

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: Gary Eidson

Date of Survey: 01/13/2004

Certificate Number: 12641

Arrant, Bryan

From: Cottom, Karen [Karen.Cottom@dvn.com]
Sent: Tuesday, January 27, 2004 2:08 PM
To: Bryan Arrant (E-mail)
Subject: HB2 State 2



HB 2-2 gas wtr
analysis.PDF

I jsut submitted the HB2 State 8 APD. Here is a gas analysis for back up.
There is no H2S.

<<HB 2-2 gas wtr analysis.PDF>>

Karen Cottom
Operations Technician
405-228-7512
MAT 11.50F

**Laboratory Services, Inc.**

4016 Fiesta Drive
Hobbs, New Mexico 88240

Telephone: (505) 397-3713

FOR: Devon Energy
P. O. Box 250
Artesia, New Mexico 88220

SAMPLE:
IDENTIFICATION: H. B. "2" State #2
COMPANY: Devon Energy
LEASE:
PLANT:

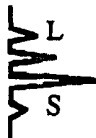
SAMPLE DATA: DATE SAMPLED: 5/21/03
ANALYSIS DATE: 5/21/03
PRESSURE - PSIG 200
SAMPLE TEMP. °F
ATMOS. TEMP. °F

GAS (XX) LIQUID ()
SAMPLED BY: Merv Buecker-Pro Well
ANALYSIS BY: Vickie Biggs

REMARKS: Crude Oil API Gravity @ 60° F = 43.9

COMPONENT ANALYSIS

COMPONENT	MOL PERCENT	GPM
Hydrogen Sulfide (H2S)		
Nitrogen (N2)	2.417	
Carbon Dioxide (CO2)	2.360	
Methane (C1)	78.456	
Ethane (C2)	9.891	2.639
Propane (C3)	4.274	1.175
I-Butane (IC4)	0.486	0.159
N-Butane (NC4)	1.208	0.380
I-Pentane (IC5)	0.261	0.095
N-Pentane (NC5)	0.293	0.106
Hexane Plus (C6+)	0.854	0.154
	100.000	4.708
BTU/CU.FT. - DRY	1169	MOLECULAR WT. 20.8707
AT 14.650 DRY	1166	
AT 14.650 WET	1145	
AT 14.73 DRY	1172	
AT 14.73 WET	1162	
SPECIFIC GRAVITY - CALCULATED	0.720	
MEASURED		

**Laboratory Services, Inc.**

4016 Fiesta Drive
Hobbs, New Mexico 88240
Telephone: (505) 397-3713

Water Analysis

COMPANY	Devon Energy	
SAMPLE	H. B. "2" State #2	
SAMPLED BY	Merv Buecker-Pro Well	
DATE TAKEN	5/21/03	
REMARKS		
Barium as Ba	0	
Carbonate alkalinity PPM	0	
Bicarbonate alkalinity PPM	584	
pH at Lab	6.81	
Specific Gravity @ 60°F	1.11	
Magnesium as Mg	4,698	
Total Hardness as CaCO ₃	8,100	
Chlorides as Cl	106,253	
Sulfate as SO ₄	450	
Iron as Fe	25	
Potassium	138	
Hydrogen Sulfide	0	
Rw	0.075	@ 21° C
Total Dissolved Solids	115,750	
Calcium as Ca	3,402	
Nitrate	0	
Results reported as Parts per Million unless stated		
Langelier Saturation Index	1.01	

Analysis by: Vickie Biggs
Date: 5/21/03