

9/1/05
District I
1625 N. French Drive, Hobbs NM 88240

District II
1301 W. Grand Avenue, Artesia, NM 88210

District III
1000 Rio Brazos Road, Aztec, NM 87410

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

9/1/05
DHC-3561
State of New Mexico
Energy, Minerals and Natural Resources Department

pwtJ0524452779
Form C-107A
Revised June 10, 2003

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

APPLICATION TYPE
x Single Well
____ Establish Pre-Approved Pools
EXISTING WELLBORE
x Yes ____ No

APPLICATION FOR DOWNHOLE COMMINGLING

Devon Energy Production Company, LP 20 North Broadway Oklahoma City, Oklahoma 73102-8260

Operator Address
Red Bull 31 State 1 N - 31-23S-35E LEA

Lease Well No. Unit Letter-Section-Township-Range County

OGRID No. 6137 Property Code 34087 API No. 30-025-36798 Lease Type: Federal X State Fee

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
	UND		UND
Pool Name	Cinta Roja Delaware		Antelope Ridge Bone Spring
Pool Code	96341		2200
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	8372-8606'		10542-10587'
Method of Production (Flowing or Artificial Lift)	Rod Pump		Rod Pump
Bottomhole Pressure (Note: Pressure data will not be required if the bottom perforation in the lower zone is within 150% of the depth of the top perforation in the upper zone)	N/A		N/A
Oil Gravity or Gas BTU (Degree API or Gas BTU)			
Producing, Shut-In or New Zone	Producing - new zone		Shut In - RBP
Date and Oil/Gas/Water Rates of Last Production. (Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data.)	Date: 8/16/05 Rates: 101 BO 168 MCF 63 BW	Date: Rates:	Date: 6/19/05 Rates: 30 BO 53 MCF 0 BW
Fixed Allocation Percentage (Note: If allocation is based upon something other than current or past production, supporting data or explanation will be required.)	Oil Gas 73 % 76 %	Oil Gas % %	Oil Gas 27 % 24 %

ADDITIONAL DATA

Are all working, royalty and overriding royalty interests identical in all commingled zones? Yes X No
If not, have all working, royalty and overriding royalty interest owners been notified by certified mail? Yes No

Are all produced fluids from all commingled zones compatible with each other? Yes X No

Will commingling decrease the value of production? Yes No X

If this well is on, or communitized with, state or federal lands, has either the Commissioner of Public Lands or the United States Bureau of Land Management been notified in writing of this application? Yes No

NMOCD Reference Case No. applicable to this well: NSL-5089-A (BHL)

Attachments:

- C-102 for each zone to be commingled showing its spacing unit and acreage dedication.
- Production curve for each zone for at least one year. (If not available, attach explanation.)
- For zones with no production history, estimated production rates and supporting data.
- Data to support allocation method or formula.
- Notification list of working, royalty and overriding royalty interests for uncommon interest cases.
- Any additional statements, data or documents required to support commingling.

PRE-APPROVED POOLS

If application is to establish Pre-Approved Pools, the following additional information will be required:

- List of other orders approving downhole commingling within the proposed Pre-Approved Pools
- List of all operators within the proposed Pre-Approved Pools
- Proof that all operators within the proposed Pre-Approved Pools were provided notice of this application.
- Bottomhole pressure data.

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

SIGNATURE TITLE Sr. Staff Engineering Technician DATE 8/31/05

TYPE OR PRINT NAME Norvella Adams TELEPHONE NO. (405) 552-8198

E-MAIL ADDRESS norvella.adams@dvn.com

Mar 16 05 07:37a

Steve Conner

505-396-2679
505 397 3670p. 2
p. 2L
SLaboratory Services Inc.
2609 West Marland
Hobbs, New Mexico 88240
(505)397-3713

Bone Spang

Run File	C:\STAR\DATA\1229.04\DEVREDBULL13-1 3.14.RUN		
Method	C:\star\method_extended_gas_scott.mth		
Operator	Vickie Biggs	Analysis Date	3/14/2005
Station	Red Bull 13 #1	Company	Devon Energy
Effective Date		Pulled Data	
Received Date	3/12/05	Composite/Spot	

Component	Mole %	BTU	GPM
H2S			
Nitrogen	1.3995	0.00	0.0000
Methane	82.1773	831.91	0.0000
Ethane	5.6711	100.59	1.5167
Propane	5.0070	126.27	1.3797
i-Butane	1.1235	36.62	0.3676
n-Butane	2.3159	75.72	0.7301
i-Pentane	0.9661	38.74	0.3537
n-Pentane	0.7275	29.23	0.2635
Cyclopentane	0.0145	0.55	0.0043
2-Methylpentane	0.1535	7.30	0.0635
3-Methylpentane	0.0502	2.39	0.0205
n-Hexane	0.1141	5.44	0.0469
Methylcyclopentane	0.0310	1.39	0.0109
Benzene	0.0161	0.60	0.0045
Cyclohexane	0.0346	1.55	0.0117
n-Heptane	0.0212	1.17	0.0098
Methylcyclohexane	0.0258	1.35	0.0104

3/14/2005

Mar 16 05 07:37a

Steve Conner

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Run File

C:\STAR\DATA\12.29.04\DEVREDBULL13-1 3.14.RUN

Method

C:\star\method_extended_gas_scott.mth

Operator

Vickie Biggs

Analysis Date

3/14/2005

Station

Red Bull 13 #1

Company

Devon Energy

Effective Date

Pulled Date

Received Date

3/12/05

Composite/Spot

<u>Component</u>	<u>Mole %</u>	<u>BTU</u>	<u>GPM</u>
Toluene	0.0143	0.64	0.0048
n-Octane	0.0163	1.02	0.0083
Ethylbenzene	0.0373	1.95	0.0144
m&p xylene	0.0120	0.00	0.0000
o-Xylene	0.0060	0.31	0.0023
n-Nonane	0.0651	4.56	0.0366
n-Decane	0.0000	0.00	0.0000
Totals	100.0000	1,269.32	4.8602

Relative Density from Composition

0.7366

BTUs @ 14.65 Saturated

1,252

BTUs @ 14.65 Dry

1,274

Compressibility

0.99656

3/14/2005



Laboratory Services, Inc.
2609 W. Marland
Hobbs, New Mexico 88240
Telephone: (505) 397-3713

ARTESIA, N.M.

ASTM DISTILLATION

FEB 01 2005

Devon Energy
P.O. Box 250
Artesia, New Mexico 88211-0250

Sample Date: 1/27/05
Sampled By: Well Testing

Red Bull 31 St. #1

Percent Distilled

Temperature

IBP	108
5	148
10	180
20	220
30	256
40	310
50	398
60	494
70	566
80	626
90	668
EP	676

% Recovered = 91.0
% Residue = 5.0
% Loss = 4.0

API Gravity @ 60° F = 42.2

Vicki McDaniel



Laboratory Services, Inc.

2609 W. Marland
Hobbs, New Mexico 88240
Telephone: (505) 397-3713

ARTESIA, N.M.

FEB 01 2005

SULFUR IN CRUDE OIL

Devon Energy
P. O. Box 250
Artesia, New Mexico 88211-0250

Jan 27, 2005

	Total Sulfur	API Gravity @ 60° F	Specific Gravity @ 60° F
Red Bull 31 St. #1	0.5361 wt. %	42.2	0.8146

Thank You,
Vickie Biggs



BJ SERVICES

Water Analysis

Date: 28-Jan-05

2708 West County Road, Hobbs NM 88240

Phone (505) 392-5556 Fax (505) 392-7307

Analyzed For

Company	Well Name	County	State
Devon	Red Bull 31 St. 1	Lea	New Mexico

Sample Source **Swab Sample** **Sample #** **1**

Formation **Depth**

Specific Gravity	1.080	SG @ 60 °F	1.078
pH	2.26	Sulfides	Absent
Temperature (°F)	52	Reducing Agents	

Cations

Sodium (Calc)	in Mg/L	2,557	in PPM	2,371
Calcium	in Mg/L	30,400	in PPM	28,190
Magnesium	in Mg/L	2,880	in PPM	2,671
Soluble Iron (FE2)	in Mg/L	5,000.0	in PPM	4,636

Anions

Chlorides	in Mg/L	72,000	in PPM	66,766
Sulfates	in Mg/L	400	in PPM	371
Bicarbonates	in Mg/L	146	in PPM	136
Total Hardness (as CaCO3)	in Mg/L	88,000	in PPM	81,602
Total Dissolved Solids (Calc)	in Mg/L	113,384	in PPM	105,141
Equivalent NaCl Concentration	in Mg/L	101,481	in PPM	94,103

Scaling Tendencies

*Calcium Carbonate Index 4,450,560

Below 500,000 Remote / 500,000 - 1,000,000 Possible / Above 1,000,000 Probable

*Calcium Sulfate (Gyp) Index 12,160,000

Below 500,000 Remote / 500,000 - 10,000,000 Possible / Above 10,000,000 Probable

*This Calculation is only an approximation and is only valid before treatment of a well or several weeks after treatment.

Remarks **rw=.08@52f**

Report # **1793**

Red Bull 31 State # 1 - Calculations for Fixed Allocation Percentages for DHC

Test Date	BOPD	MCFD	BWPD	% BO	% MCF	% BW
Bone Spring 6/19/2005	30	53	0	22.9%	24.0%	0.0%
Delaware 8/16/2005	101	168	63	77.1%	76.0%	100.0%
	131	221	63	1	1	1

Test Date	BOPD	MCFD	BWPD	% BO	% MCF	% BW
Bone Spring Avg 5/1-6/21	30.1	56.3	0	24.3%	27.1%	0.0%
Delaware Avg 8/8-8/28	93.8	151.5	71	75.7%	72.9%	100.0%
	123.9	207.8	71	1	1	1

Red Bull 31-1

