

WELL LOGS

K Z

API number:	30-025-38300		
OGRID:		Operator:	CIMAREX ENERGY COMPANY OF CO
		Property:	PENNZOIL B 36 STATE # 2

surface	ULSTR:	J	36	T	19S	R	33E
			2310	FSL	1980	FEL	

BH Loc	ULSTR:	J	36	T	19S	R	33E
			2310	FSL	1980	FEL	

Ground Level:	***Conf***	DF:	***Conf***	KB:	***Conf***	
Datum:	KB			TD:	10303	

Land:	STATE	Completion Date: (1)	7/21/2007	***LATE***
		Date Logs Received:	8/22/2007	
		Date Logs Due in: (2)	8/10/2007	

Confidential:	YES			Date out:	11/10/2007	
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Confidential period: 90 Days for State & Fee, 1 Year for federal

Date Due In: (1) is equal to Completion Date (1) + 20 days

Logs	Depth interval	
DSN/SDL	***Conf***	Spectral Density Dual Spaced Neutron
DLL/MGRD	***Conf***	Dual Laterolog Micro Guard Log

K Z

OCD TOPS

Rustler	***Conf***	Strawn			
Tansill	***Conf***	Atoka			
Yates	***Conf***	Morrow			
7R	***Conf***				
T. Bowers Sd	***Conf***	Austin			
B. Bowers Sd	***Conf***	Chester			
Queen	***Conf***	Miss Lime			
Penrose	***Conf***				
Grayburg	***Conf***				
	Conf				
Delaware Sd	***Conf***				
Bone Spring	***Conf***				
1st Sd	***Conf***				
2nd Carb	***Conf***				
2nd Sd	***Conf***				
3rd Carb	***Conf***				
3rd Sd	***Conf***				
Wolfcamp					

Patriot Drilling, LLC

OPERATOR: Cimarex Energy Co.
WELL/LEASE: Pennzoil B 36 State
COUNTY: Lea County, NM
SEC36 T19S R33E

J-36-19s-33e
2310/s + 1480/E

30-025-38300

STATE OF NEW MEXICO
DEVIATION REPORT

<u>Depth</u>	<u>Deviation</u>	<u>Depth</u>	<u>Deviation</u>
425	1/4	5,324	2 1/2
811	1/4	5,790	2
1,202	1/4	6,286	2
1,586	1/2	6,782	1
1,978	1/2	6,919	1 3/4
2,421	1	7,361	1
2,864	0	7,809	1
3,178	1 1/2	8,283	1
3,412	1	8,757	1
3,797	1	9,232	1
4,272	1 1/2	9,675	1
4,716	3	10,147	1
4,975	1		

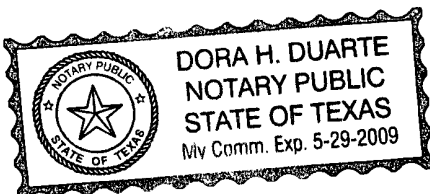
Patriot Drilling, LLC


M. Leroy Peterson, Executive Vice-President

The foregoing instrument was acknowledged before me on this 6th day of July, 2007 by M. Leroy Peterson, Executive Vice-President of Patriot Drilling, LLC.

My Commission Expires: 5/29/2009


Dora H. Duarte
Notary Public for Midland Co., Texas



DISTRICT I

1625 N. French Dr., Hobbs, NM 88240

DISTRICT II

1301 W. Grand Avenue, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Artec, NM 87410

DISTRICT IV

1220 S. St. Francis Dr., Santa Fe, NM 87506

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102

Revised October 12, 2005

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-38300	Pool Code 2260	Pool Name Apache Ridge; Bone Spring
Property Code 35758	Property Name PENNZOIL "B36" STATE	Well Number 2
OGRID No. 162683	Operator Name CIMAREX ENERGY CO. OF COLORADO	Elevation 3605'

Surface Location

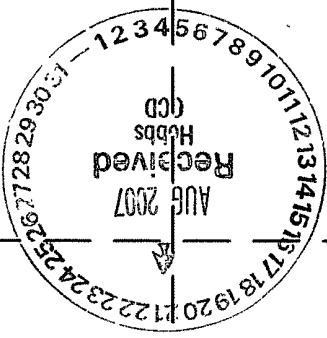
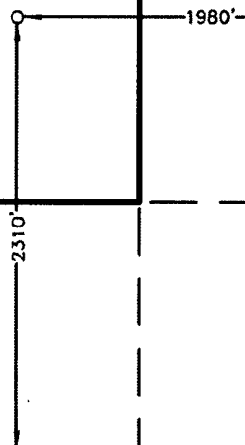
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	36	19 S	33 E		2310	SOUTH	1980	EAST	LEA

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

Dedicated Acres 40	Joint or Infill	Consolidation Code	Order No.
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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

	Pennzoil B 36 St #2	
	Lat - N32°36'56.7" Long - W103°36'52.6" NMSPCE-N 588486.632 E 762633.176 (NAD-83)	
		

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 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.

Zeno Farris 08-13-07
Signature Date

Printed Name

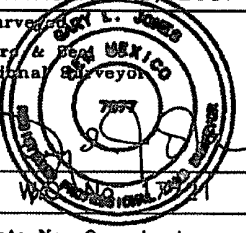
SURVEYOR CERTIFICATION

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.

FEBRUARY 05, 2007

Date Surveyed

Signature of Gary L. Jones
Professional Surveyor



Certificate No. Gary L. Jones 7977

BASIN SURVEYS

District I
1625 N French Dr , Hobbs, NM 88240
District II
1301 W Grand Avenue, 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 & Natural Resources

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

Form C-104
Revised June 10, 2003

Submit to Appropriate District Office
5 Copies

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address Cimarex Energy Co. of Colorado PO Box 140907 Irving, TX 75014		CONFIDENTIAL	² OGRID Number 162683
			³ Reason for Filing Code/ Effective Date NW / 07-21-07
⁴ API Number 30 - 025-37300	⁵ Pool Name Apache Ridge; Bone Spring		⁶ Pool Code 2260
⁷ Property Code 35758	⁸ Property Name Pennzoil B 36 State		⁹ Well Number 002

II. ¹⁰ Surface Location

Ul or lot no.	Section	Township	Range	Lot.Idn	Feet from the	North/South Line	Feet from the	East/West line	County
J	36	19S	33E		2310	South	1980	East	Lea

¹¹ Bottom Hole Location

Ul or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
¹² Lse Code S	¹³ Producing Method Code F	¹⁴ Gas Connection Date 07-21-07		¹⁵ C-129 Permit Number		¹⁶ C-129 Effective Date		¹⁷ C-129 Expiration Date	

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ POD	²¹ O/G	²² POD ULSTR Location and Description
21778	Sunoco Inc (R&M) PO Box 2039 Tulsa, OK 74102		O	H-36-19S-33E (tank battery includes Pennzoil B 36 State Nos. 1 & 2)
221115	Frontier Field Services, LLC 4200 East Skelly Drive, Suite 700 Tulsa, OK 74135		G	

IV. Produced Water

²³ POD	²⁴ POD ULSTR Location and Description Same as above
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V. Well Completion Data

²⁵ Spud Date 05-27-07	²⁶ Ready Date 07-21-07	²⁷ TD 10303'	²⁸ PBTD 10130'	²⁹ Perforations 9424'-9534'	³⁰ DHC, MC
³¹ Hole Size 17-1/2"	³² Casing & Tubing Size 13-3/8"	³³ Depth Set 450'		³⁴ Sacks Cement 550 sx, circ 203 sx	
11"	8-5/8"	3518'		962 sx, circ 182 sx	
7-7/8"	5-1/2"	10300'		1225 sx, TS TOC 2000'	
	2-7/8"	9372'			

VI. Well Test Data

³⁵ Date New Oil 07-21-07	³⁶ Gas Delivery Date 07-21-07	³⁷ Test Date 08-14-07	³⁸ Test Length 24 hrs	³⁹ Tbg. Pressure 1050	⁴⁰ Csg. Pressure 100
⁴¹ Choke Size 23/64	⁴² Oil 59	⁴³ Water 0	⁴⁴ Gas 532	⁴⁵ AOF	⁴⁶ Test Method Producing

⁴⁷ I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.
Signature: *Natalie Krueger*
Printed name: Natalie Krueger
Title: Reg Analyst
E-mail Address: nkrueger@cimarex.com
Date: August 21, 2007 Phone: 469-420-2715

OIL CONSERVATION DIVISION
Approved by: *Chris Williams*
Title: OC DISTRICT SUPERVISOR/GENERAL MANAGER
Approval Date: SEP 04 2007