

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

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised October 12, 2005

Submit to Appropriate District Office
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OIL CONSERVATION DIVISION

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-005-29044		Pool Code —	Pool Name Abo Wildcat
Property Code 37272	Property Name WASP "2" STATE		Well Number 4
OGRID No. 162683	Operator Name CIMAREX ENERGY CO. OF COLORADO		Elevation 4382'

Surface Location

UL or lat No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	2	15 S	31 E		375	NORTH	330	EAST	CHAVES

Bottom Hole Location If Different From Surface

U/L or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	2	15 S	31 E		375	NORTH	375	WEST	CHAVES

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
163.44			

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

VB-1223-0001	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. <i>Zeno Farris</i> 07-23-08 Signature _____ Date _____ Zeno Farris 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. MAY 16, 2008 Date Surveyed _____ Signature & Seal _____ Professional Surveyor _____ W.C. Jones 0424 Certificate No. Gary L. Jones 7977 BASIN SURVEYS
BOTTOM HOLE LOCATION Lat - N33°03'04.58" Long - W103°47'59.03" NMSPCE ~ N 746605.919 E 704834.134 (NAD-83)	SURFACE LOCATION Lat - N33°03'04.68" Long - W103°47'05.25" NMSPCE ~ N 746639.5 E 709411.2 (NAD-83)	



Planned Wellpath Report

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REFERENCE WELLPATH IDENTIFICATION

Operator **Cimarex Energy Co. of Colorado**
Area **Chaves County, NM**
Field **(WASP) Sec 2, T15S, R31E**
Facility **WASP 2 St No. 4H**

Slot **No. 4H SHL**
Well **No. 4H**
Wellbore **No. 4H PWB**

REPORT SETUP INFORMATION

Projection System **NAD83 / TM New Mexico State Planes, Eastern Zone (3001), US feet** Software System **WellArchitect® 2.0**
North Reference **Grid** User **Victor Hernandez**
Scale **0.999941** Report Generated **7/23/2008 at 2:14:40 PM**
Convergence at slot **0.30° East** Database/Source file **WA_Midland/No. 4H_PWB.xml**

WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[USft]	Northing[USft]	Latitude	Longitude
Slot Location	0.00	0.00	709411.20	746639.50	33°03'04.679"N	103°47'05.250"W
Facility Reference Pt			709411.20	746639.50	33°03'04.679"N	103°47'05.250"W
Field Reference Pt			704819.20	742043.80	33°02'19.441"N	103°47'59.475"W

WELLPATH DATUM

Calculation method	Minimum curvature	Rig on No. 4H SHL (RT) to Facility Vertical Datum	18.00ft
Horizontal Reference Pt	Facility Center	Rig on No. 4H SHL (RT) to Mean Sea Level	4400.00ft
Vertical Reference Pt	Rig on No. 4H SHL (RT)	Facility Vertical Datum to Mud Line (Facility)	0.00ft
MD Reference Pt	Rig on No. 4H SHL (RT)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	269.58°



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Area **Chaves County, NM**
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Facility **WASP 2 St No. 4H**

Slot **No. 4H SHL**
Well **No. 4H**
Wellbore **No. 4H PWB**

WELLPATH DATA (50 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
0.00	0.000	269.580	0.00	0.00	0.00	0.00	0.00	Tie On
8560.00	0.000	269.580	8560.00	0.00	0.00	0.00	0.00	KOP
8660.00†	30.000	269.580	8655.49	25.59	-0.19	-25.59	30.00	
8760.00†	60.000	269.580	8725.40	95.49	-0.70	-95.49	30.00	
8860.00†	90.000	269.580	8750.99	190.99	-1.40	-190.98	30.00	
8860.04	90.013	269.580	8750.99	191.03	-1.40	-191.02	30.00	EOC
8960.00†	90.013	269.580	8750.96	290.99	-2.13	-290.98	0.00	
9060.00†	90.013	269.580	8750.94	390.99	-2.87	-390.98	0.00	
9160.00†	90.013	269.580	8750.92	490.99	-3.60	-490.97	0.00	
9260.00†	90.013	269.580	8750.90	590.99	-4.34	-590.97	0.00	
9360.00†	90.013	269.580	8750.87	690.99	-5.07	-690.97	0.00	
9460.00†	90.013	269.580	8750.85	790.99	-5.80	-790.96	0.00	
9560.00†	90.013	269.580	8750.83	890.99	-6.54	-890.96	0.00	
9660.00†	90.013	269.580	8750.81	990.99	-7.27	-990.96	0.00	
9760.00†	90.013	269.580	8750.78	1090.99	-8.00	-1090.96	0.00	
9860.00†	90.013	269.580	8750.76	1190.99	-8.74	-1190.95	0.00	
9960.00†	90.013	269.580	8750.74	1290.99	-9.47	-1290.95	0.00	
10060.00†	90.013	269.580	8750.72	1390.99	-10.21	-1390.95	0.00	
10160.00†	90.013	269.580	8750.69	1490.99	-10.94	-1490.95	0.00	
10260.00†	90.013	269.580	8750.67	1590.99	-11.67	-1590.94	0.00	
10360.00†	90.013	269.580	8750.65	1690.99	-12.41	-1690.94	0.00	
10460.00†	90.013	269.580	8750.63	1790.99	-13.14	-1790.94	0.00	
10560.00†	90.013	269.580	8750.60	1890.99	-13.87	-1890.93	0.00	
10660.00†	90.013	269.580	8750.58	1990.99	-14.61	-1990.93	0.00	
10760.00†	90.013	269.580	8750.56	2090.99	-15.34	-2090.93	0.00	
10860.00†	90.013	269.580	8750.54	2190.99	-16.07	-2190.93	0.00	
10960.00†	90.013	269.580	8750.51	2290.99	-16.81	-2290.92	0.00	
11060.00†	90.013	269.580	8750.49	2390.99	-17.54	-2390.92	0.00	
11160.00†	90.013	269.580	8750.47	2490.99	-18.28	-2490.92	0.00	
11260.00†	90.013	269.580	8750.45	2590.99	-19.01	-2590.92	0.00	



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REFERENCE WELLPATH IDENTIFICATION

Operator Cimarex Energy Co. of Colorado

Area Chaves County, NM

Field (WASP) Sec 2, T15S, R31E

Facility WASP 2 St No. 4H

Slot No. 4H SHL

Well No. 4H

Wellbore No. 4H PWB

WELLPATH DATA (50 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
11360.00†	90.013	269.580	8750.42	2690.99	-19.74	-2690.91	0.00	
11460.00†	90.013	269.580	8750.40	2790.99	-20.48	-2790.91	0.00	
11560.00†	90.013	269.580	8750.38	2890.99	-21.21	-2890.91	0.00	
11660.00†	90.013	269.580	8750.36	2990.99	-21.94	-2990.91	0.00	
11760.00†	90.013	269.580	8750.33	3090.99	-22.68	-3090.90	0.00	
11860.00†	90.013	269.580	8750.31	3190.99	-23.41	-3190.90	0.00	
11960.00†	90.013	269.580	8750.29	3290.99	-24.14	-3290.90	0.00	
12060.00†	90.013	269.580	8750.27	3390.99	-24.88	-3390.89	0.00	
12160.00†	90.013	269.580	8750.24	3490.99	-25.61	-3490.89	0.00	
12260.00†	90.013	269.580	8750.22	3590.99	-26.35	-3590.89	0.00	
12360.00†	90.013	269.580	8750.20	3690.99	-27.08	-3690.89	0.00	
12460.00†	90.013	269.580	8750.18	3790.99	-27.81	-3790.88	0.00	
12560.00†	90.013	269.580	8750.15	3890.99	-28.55	-3890.88	0.00	
12660.00†	90.013	269.580	8750.13	3990.99	-29.28	-3990.88	0.00	
12760.00†	90.013	269.580	8750.11	4090.99	-30.01	-4090.88	0.00	
12860.00†	90.013	269.580	8750.09	4190.99	-30.75	-4190.87	0.00	
12960.00†	90.013	269.580	8750.06	4290.99	-31.48	-4290.87	0.00	
13060.00†	90.013	269.580	8750.04	4390.99	-32.21	-4390.87	0.00	
13160.00†	90.013	269.580	8750.02	4490.99	-32.95	-4490.86	0.00	
13246.48	90.013	269.580	8750.00 ¹	4577.47	-33.58	-4577.34	0.00	No. 4H BHL



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REFERENCE WELLPATH IDENTIFICATION

Operator	Cimarex Energy Co. of Colorado	Slot	No. 4H SHL
Area	Chaves County, NM	Well	No. 4H
Field	(WASP) Sec 2, T15S, R31E	Wellbore	No. 4H PWB
Facility	WASP 2 St No. 4H		

TARGETS

Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	Shape
1) No. 4H BHL	13246.48	8750.00	-33.58	-4577.34	704834.13	746605.92	33°03'04.580"N	103°47'59.027"W	point

SURVEY PROGRAM Ref Wellbore: No. 4H PWB Ref Wellpath: Preliminary

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
18.00	13246.48	NaviTrak (Standard)		No. 4H PWB



Cimarex Energy Co. of Colorado

Location Chaves County, NM
Field (WASP) Sec 2, T15S, R31E
Facility WASP 2 St No. 4H

Slot No. 4H SHL
Well No. 4H
Wellbore No. 4H PWB



Well Profile Data

Design Comment	MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	DLS (%/100ft)	VS (ft)
Tie On	0.00	0.000	269.580	0.00	0.00	0.00	0.00	0.00
KOP	8560.00	0.000	269.580	8560.00	0.00	0.00	0.00	0.00
EOC	8860.04	90.013	269.580	8750.99	-1.40	-191.02	30.00	191.03
No. 4H BHL	13246.48	90.013	269.580	8750.00	-33.58	-4577.34	0.00	4577.47

