

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 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 30-005-29041		Pool Code ✓	Pool Name Abo Wildcat
Property Code 37242	Property Name WASP "2" STATE		Well Number 1
OGRID No. 162683	Operator Name CIMAREX ENERGY CO. OF COLORADO		Elevation 4403'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	2	15 S	31 E		375	SOUTH	330	WEST	CHAVES

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
P	2	15 S	31 E		375	SOUTH	330	EAST	CHAVES
Dedicated Acres 160	Joint or Infill	Consolidation Code	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

SURFACE LOCATION Lat - N33°02'19.44" Long - W103°47'59.48" NMSPCE- N 742043.8 E 704819.2 (NAD-83)		BOTTOM HOLE LOCATION Lat - N33°02'19.63" Long - W103°47'05.24" NMSPCE- N 742086.260 E 709435.621 (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. <u>Zeno Farris</u> 07-23-08 Signature Date <u>Zeno Farris</u> 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. APR 19 2008 Date Surveyed <u>Gary L. Jones</u> Signature Professional Surveyor W.O. 7977 Certificate No. Gary L. Jones 7977 BASIN SURVEYS		VB-1212-0001		



Planned Wellpath Report

Preliminary

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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. 1H**

Slot **No. 1H SHL**

Well **No. 1H**

Wellbore **No. 1H 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**

Scale **0.99994**

Convergence at slot **0.29° East**

User **Victor Hernandez**

Report Generated **7/22/2008 at 4:56:05 PM**

Database/Source file **WA_Midland/No. 1H_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	704819.20	742043.80	33°02'19.441"N	103°47'59.475"W
Facility Reference Pt			704819.20	742043.80	33°02'19.441"N	103°47'59.475"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. 1H SHL (RT) to Facility Vertical Datum	18.00ft
Horizontal Reference Pt	Facility Center	Rig on No. 1H SHL (RT) to Mean Sea Level	4421.00ft
Vertical Reference Pt	Rig on No. 1H SHL (RT)	Facility Vertical Datum to Mud Line (Facility)	0.00ft
MD Reference Pt	Rig on No. 1H SHL (RT)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	89.47°



Planned Wellpath Report

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REFERENCE WELLPATH IDENTIFICATION

Operator **Cimarex Energy Co. of Colorado**

Slot **No. 1H SHL**

Area **Chaves County, NM**

Well **No. 1H**

Field **(WASP) Sec 2, T15S, R31E**

Wellbore **No. 1H PWB**

Facility **WASP 2 St No. 1H**

WELLPATH DATA (51 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
0.00	0.000	89.473	0.00	0.00	0.00	0.00	0.00	Tie On
8560.00	0.000	89.473	8560.00	0.00	0.00	0.00	0.00	KOP
8660.00†	30.000	89.473	8655.49	25.59	0.24	25.59	30.00	
8760.00†	60.000	89.473	8725.40	95.49	0.88	95.49	30.00	
8860.00†	90.000	89.473	8750.99	190.99	1.76	190.98	30.00	
8860.04	90.013	89.473	8750.99	191.03	1.76	191.02	30.00	EOC
8960.00†	90.013	89.473	8750.96	290.99	2.68	290.97	0.00	
9060.00†	90.013	89.473	8750.94	390.99	3.60	390.97	0.00	
9160.00†	90.013	89.473	8750.92	490.99	4.52	490.97	0.00	
9260.00†	90.013	89.473	8750.90	590.99	5.44	590.96	0.00	
9360.00†	90.013	89.473	8750.87	690.99	6.36	690.96	0.00	
9460.00†	90.013	89.473	8750.85	790.99	7.27	790.95	0.00	
9560.00†	90.013	89.473	8750.83	890.99	8.19	890.95	0.00	
9660.00†	90.013	89.473	8750.81	990.99	9.11	990.94	0.00	
9760.00†	90.013	89.473	8750.79	1090.99	10.03	1090.94	0.00	
9860.00†	90.013	89.473	8750.76	1190.99	10.95	1190.94	0.00	
9960.00†	90.013	89.473	8750.74	1290.99	11.87	1290.93	0.00	
10060.00†	90.013	89.473	8750.72	1390.99	12.79	1390.93	0.00	
10160.00†	90.013	89.473	8750.70	1490.99	13.71	1490.92	0.00	
10260.00†	90.013	89.473	8750.67	1590.99	14.63	1590.92	0.00	
10360.00†	90.013	89.473	8750.65	1690.99	15.55	1690.91	0.00	
10460.00†	90.013	89.473	8750.63	1790.99	16.47	1790.91	0.00	
10560.00†	90.013	89.473	8750.61	1890.99	17.39	1890.91	0.00	
10660.00†	90.013	89.473	8750.58	1990.99	18.31	1990.90	0.00	
10760.00†	90.013	89.473	8750.56	2090.99	19.23	2090.90	0.00	
10860.00†	90.013	89.473	8750.54	2190.99	20.15	2190.89	0.00	
10960.00†	90.013	89.473	8750.52	2290.99	21.07	2290.89	0.00	
11060.00†	90.013	89.473	8750.50	2390.99	21.99	2390.88	0.00	
11160.00†	90.013	89.473	8750.47	2490.99	22.91	2490.88	0.00	
11260.00†	90.013	89.473	8750.45	2590.99	23.83	2590.88	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. 1H**

Slot **No. 1H SHL**
Well **No. 1H**
Wellbore **No. 1H PWB**

WELLPATH DATA (51 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
11360.00†	90.013	89.473	8750.43	2690.99	24.75	2690.87	0.00	
11460.00†	90.013	89.473	8750.41	2790.99	25.67	2790.87	0.00	
11560.00†	90.013	89.473	8750.38	2890.99	26.59	2890.86	0.00	
11660.00†	90.013	89.473	8750.36	2990.99	27.51	2990.86	0.00	
11760.00†	90.013	89.473	8750.34	3090.99	28.43	3090.86	0.00	
11860.00†	90.013	89.473	8750.32	3190.99	29.35	3190.85	0.00	
11960.00†	90.013	89.473	8750.30	3290.99	30.27	3290.85	0.00	
12060.00†	90.013	89.473	8750.27	3390.99	31.19	3390.84	0.00	
12160.00†	90.013	89.473	8750.25	3490.99	32.11	3490.84	0.00	
12260.00†	90.013	89.473	8750.23	3590.99	33.03	3590.83	0.00	
12360.00†	90.013	89.473	8750.21	3690.99	33.95	3690.83	0.00	
12460.00†	90.013	89.473	8750.18	3790.99	34.87	3790.83	0.00	
12560.00†	90.013	89.473	8750.16	3890.99	35.79	3890.82	0.00	
12660.00†	90.013	89.473	8750.14	3990.99	36.71	3990.82	0.00	
12760.00†	90.013	89.473	8750.12	4090.99	37.63	4090.81	0.00	
12860.00†	90.013	89.473	8750.09	4190.99	38.55	4190.81	0.00	
12960.00†	90.013	89.473	8750.07	4290.99	39.47	4290.80	0.00	
13060.00†	90.013	89.473	8750.05	4390.99	40.38	4390.80	0.00	
13160.00†	90.013	89.473	8750.03	4490.99	41.30	4490.80	0.00	
13260.00†	90.013	89.473	8750.01	4590.99	42.22	4590.79	0.00	
13285.92	90.013	89.473	8750.00†	4616.90	42.46	4616.71	0.00	No 1H BHL



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Preliminary

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INTEQ

REFERENCE WELLPATH IDENTIFICATION

Operator **Cimarex Energy Co. of Colorado**

Slot

No. 1H SHL

Area **Chaves County, NM**

Well

No. 1H

Field **(WASP) Sec 2, T15S, R31E**

Wellbore

No. 1H PWB

Facility **WASP 2 St No. 1H**

TARGETS

Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	Shape
1) No. 1H BHL	13285.92	8750.00	42.46	4616.71	709435.62	742086.26	33°02'19.626"N	103°47'05.242"W	point

SURVEY PROGRAM Ref Wellbore: No. 1H PWB Ref Wellpath: Preliminary

Start MD
[ft]

End MD
[ft]

Positional Uncertainty Model

Log Name/Comment

Wellbore

18.00

13285.92 NaviTrak (Standard)

No. 1H PWB



Cimarex Energy Co. of Colorado

Location: Chaves County, NM
Field: (WASP) Sec 2, T15S, R31E
Facility: WASP 2 St No 1H

Slot: No. 1H SHL
Well: No. 1H
Wellbore: No. 1H 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	89.473	0.00	0.00	0.00	0.00	0.00
KOP	8560.00	0.000	89.473	8560.00	0.00	0.00	0.00	0.00
EOC	8860.04	90.013	89.473	8750.99	1.76	191.02	30.00	191.03
No. 1H BHL	13285.92	90.013	89.473	8750.00	42.46	4616.71	0.00	4616.90

