

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

OIL CONSERVATION DIVISION

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

Form C-102
Revised October 12, 2005

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-005-29046	Pool Code ☒	Pool Name Abo Wildcat
Property Code 37271	Property Name HANCOCK "19" STATE COM	Well Number 2
OGRIID No. 162683	Operator Name CIMAREX ENERGY CO. OF COLORADO	Elevation 4440'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	19	15 S	31 E		375	SOUTH	375	EAST	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
M	19	15 S	31 E		375	SOUTH	375	WEST	CHAVES
Dedicated Acres 159.30	Joint or Infill	Consolidation Code P	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

BOTTOM HOLE LOCATION Lat - N32°59'42.55" Long - W103°52'06.98" NMSPCE- N 726087.584 E 683820.605 (NAD-83)			SURFACE LOCATION Lat - N32°59'42.53" Long - W103°51'14.08" NMSPCE- N 726105.5 E 688325.6 (NAD-83)		
E0-8663-0002			E0-7412-0004		
E0-8663-0002			E0-8663-0002		
375' BHL			SHL & 375' Penetration Point Abo		

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 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 10 2008
Date Surveyed
Signature & Seal
Professional Surveyor
W.C. Jones
Certificate No. Gary L. Jones 7977

BASIN SURVEYS



Planned Wellpath Report

Preliminary

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INTEQ

REFERENCE WELLPATH IDENTIFICATION

Operator **Cimarex Energy Co. of Colorado**

Area **Chaves County, NM**

Field **(Hancock) Sec 19, T15S, R31E**

Facility **Hancock 19 St Com No. 2H**

Slot **No. 2H SHL**

Well **No. 2H**

Wellbore **No. 2H 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 **0.999934**

Report Generated **7/9/2008 at 3:44:10 PM**

Convergence at slot **0.26° East**

Database/Source file **WA_Midland/No. 2H_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	688325.60	726105.50	32°59'42.527"N	103°51'14.083"W
Facility Reference Pt			688325.60	726105.50	32°59'42.527"N	103°51'14.083"W
Field Reference Pt			683769.40	727691.90	32°59'58.426"N	103°52'07.498"W

WELLPATH DATUM

Calculation method	Minimum curvature	Rig on No. 2H SHL (RT) to Facility Vertical Datum	18.00ft
Horizontal Reference Pt	Facility Center	Rig on No. 2H SHL (RT) to Mean Sea Level	4458.00ft
Vertical Reference Pt	Rig on No. 2H SHL (RT)	Facility Vertical Datum to Mud Line (Facility)	0.00ft
MD Reference Pt	Rig on No. 2H SHL (RT)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	269.77°



Planned Wellpath Report

Preliminary
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REFERENCE WELLPATH IDENTIFICATION

Operator	Cimarex Energy Co. of Colorado	Slot	No. 2H SHL
Area	Chaves County, NM	Well	No. 2H
Field	(Hancock) Sec 19, T15S, R31E	Wellbore	No. 2H PWB
Facility	Hancock 19 St Com No. 2H		

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	269.772	0.00	0.00	0.00	0.00	0.00	Tie On
8570.00	0.000	269.772	8570.00	0.00	0.00	0.00	0.00	KOP
8670.00†	30.000	269.772	8665.49	25.59	-0.10	-25.59	30.00	
8770.00†	60.000	269.772	8735.40	95.49	-0.38	-95.49	30.00	
8868.72	89.615	269.772	8760.98	189.70	-0.75	-189.70	30.00	EOC
8870.00†	89.615	269.772	8760.99	190.99	-0.76	-190.98	0.00	
8970.00†	89.615	269.772	8761.66	290.98	-1.16	-290.98	0.00	
9070.00†	89.615	269.772	8762.34	390.98	-1.55	-390.98	0.00	
9170.00†	89.615	269.772	8763.01	490.98	-1.95	-490.98	0.00	
9270.00†	89.615	269.772	8763.68	590.98	-2.35	-590.97	0.00	
9370.00†	89.615	269.772	8764.35	690.97	-2.75	-690.97	0.00	
9470.00†	89.615	269.772	8765.02	790.97	-3.15	-790.97	0.00	
9570.00†	89.615	269.772	8765.70	890.97	-3.54	-890.96	0.00	
9670.00†	89.615	269.772	8766.37	990.97	-3.94	-990.96	0.00	
9770.00†	89.615	269.772	8767.04	1090.97	-4.34	-1090.96	0.00	
9870.00†	89.615	269.772	8767.71	1190.96	-4.74	-1190.95	0.00	
9970.00†	89.615	269.772	8768.39	1290.96	-5.13	-1290.95	0.00	
10070.00†	89.615	269.772	8769.06	1390.96	-5.53	-1390.95	0.00	
10170.00†	89.615	269.772	8769.73	1490.96	-5.93	-1490.94	0.00	
10270.00†	89.615	269.772	8770.40	1590.95	-6.33	-1590.94	0.00	
10370.00†	89.615	269.772	8771.08	1690.95	-6.72	-1690.94	0.00	
10470.00†	89.615	269.772	8771.75	1790.95	-7.12	-1790.94	0.00	
10570.00†	89.615	269.772	8772.42	1890.95	-7.52	-1890.93	0.00	
10670.00†	89.615	269.772	8773.09	1990.95	-7.92	-1990.93	0.00	
10770.00†	89.615	269.772	8773.77	2090.94	-8.32	-2090.93	0.00	
10870.00†	89.615	269.772	8774.44	2190.94	-8.71	-2190.92	0.00	
10970.00†	89.615	269.772	8775.11	2290.94	-9.11	-2290.92	0.00	
11070.00†	89.615	269.772	8775.78	2390.94	-9.51	-2390.92	0.00	
11170.00†	89.615	269.772	8776.46	2490.93	-9.91	-2490.91	0.00	
11270.00†	89.615	269.772	8777.13	2590.93	-10.30	-2590.91	0.00	



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INTEQ

REFERENCE WELLPATH IDENTIFICATION

Operator **Cimarex Energy Co. of Colorado**

Slot

No. 2H SHL

Area **Chaves County, NM**

Well

No. 2H

Field **(Hancock) Sec 19, T15S, R31E**

Wellbore

No. 2H PWB

Facility **Hancock 19 St Com No. 2H**

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

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
11370.00†	89.615	269.772	8777.80	2690.93	-10.70	-2690.91	0.00	
11470.00†	89.615	269.772	8778.47	2790.93	-11.10	-2790.91	0.00	
11570.00†	89.615	269.772	8779.14	2890.92	-11.50	-2890.90	0.00	
11670.00†	89.615	269.772	8779.82	2990.92	-11.89	-2990.90	0.00	
11770.00†	89.615	269.772	8780.49	3090.92	-12.29	-3090.90	0.00	
11870.00†	89.615	269.772	8781.16	3190.92	-12.69	-3190.89	0.00	
11970.00†	89.615	269.772	8781.83	3290.92	-13.09	-3290.89	0.00	
12070.00†	89.615	269.772	8782.51	3390.91	-13.49	-3390.89	0.00	
12170.00†	89.615	269.772	8783.18	3490.91	-13.88	-3490.88	0.00	
12270.00†	89.615	269.772	8783.85	3590.91	-14.28	-3590.88	0.00	
12370.00†	89.615	269.772	8784.52	3690.91	-14.68	-3690.88	0.00	
12470.00†	89.615	269.772	8785.20	3790.90	-15.08	-3790.87	0.00	
12570.00†	89.615	269.772	8785.87	3890.90	-15.47	-3890.87	0.00	
12670.00†	89.615	269.772	8786.54	3990.90	-15.87	-3990.87	0.00	
12770.00†	89.615	269.772	8787.21	4090.90	-16.27	-4090.87	0.00	
12870.00†	89.615	269.772	8787.89	4190.90	-16.67	-4190.86	0.00	
12970.00†	89.615	269.772	8788.56	4290.89	-17.06	-4290.86	0.00	
13070.00†	89.615	269.772	8789.23	4390.89	-17.46	-4390.86	0.00	
13170.00†	89.615	269.772	8789.90	4490.89	-17.86	-4490.85	0.00	
13184.45†	89.615	269.772	8790.00	4505.34	-17.92	-4505.30	0.00	No. 2H BHL



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INTEQ

REFERENCE WELLPATH IDENTIFICATION

Operator **Cimarex Energy Co. of Colorado**
Area **Chaves County, NM**
Field **(Hancock) Sec 19, T15S, R31E**
Facility **Hancock 19 St Com No. 2H**

Slot **No. 2H SHL**
Well **No. 2H**
Wellbore **No. 2H PWB**

TARGETS

Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	Shape
1) No. 2H BHL	13184.45	8790.00	-17.92	-4505.30	683820.60	-726087.58	32°59'42.550"N	103°52'06.980"W	point

SURVEY PROGRAM Ref Wellbore: No. 2H PWB > Ref Wellpath: Preliminary

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
18.00	13184.45	NaviTrak (Standard)		No. 2H PWB



Cimarex Energy Co. of Colorado

Location: Chaves County, NM
Field: (Hancock) Sec 19, T15S, R31E
Facility: Hancock 19 St Com No. 2H

Slot: No. 2H SHL
Well: No. 2H
Wellbore: No. 2H 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	269.772	0.00	0.00	0.00	0.00	0.00
KOP	8570.00	0.000	269.772	8570.00	0.00	0.00	0.00	0.00
EOC	8868.72	89.615	269.772	8760.98	-0.75	-189.70	30.00	189.70
No. 2H BHL	13184.45	89.615	269.772	8790.00	-17.92	-4505.30	0.00	4505.34

