District I
1625 N. French Dr., 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

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-144
June 1, 2004

For drilling and production facilities, submit to appropriate NMOCD District Office.
For downstream facilities, submit to Santa Fe office

Pit or Below-Grade Tank Registration or Closure

Is pit or below-grade tank covered by a "general plan"? Yes ☐ No ☒
Type of action: Registration of a pit or below-grade tank ☒ Closure of a pit or below-grade tank ☐

Operator: Cimarex Energy Co. of Colorado Telephone: 972-401-3111 e-mail address: zfarris@cimarex.com
Address: PO Box 140907, Irving, TX 75014-0907
Facility or well name: Saratoga 30 State Com No. 1 API #: 30-005- 29019 U/L or Qtr/Qtr E Sec 30 T 15S R 31E
County: Chaves Latitude 32.988567 N Longitude 103.866114 W NAD. 1927 ☒ 1983 ☐
Surface Owner. Federal ☐ State ☒ Private ☐ Indian ☐

Pit	**Below-grade tank**	
Type: Drilling ☒ Production ☐ Disposal ☐ Workover ☐ Emergency ☐ Lined ☒ Unlined ☐ Liner type: Synthetic ☒ Thickness 12 mil Clay ☐ Pit Volume _____ bbl closed system, cuttings buried	Volume: _____ bbl Type of fluid: _____ Construction material. _____ Double-walled, with leak detection? Yes ☐ If not, explain why not.	
Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.) 270'	Less than 50 feet 50 feet or more, but less than 100 feet (100 feet or more)	(20 points) (10 points) (0 points)
Wellhead protection area: (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources.)	Yes (No)	(20 points) (0 points)
Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)	Less than 200 feet 200 feet or more, but less than 1000 feet (1000 feet or more)	(20 points) (10 points) (0 points)
	Ranking Score (Total Points)	0

If this is a pit closure: (1) Attach a diagram of the facility showing the pit's relationship to other equipment and tanks. (2) Indicate disposal location. (check the onsite box if your are burying in place) onsite ☐ offsite ☐ If offsite, name of facility_____. (3) Attach a general description of remedial action taken including remediation start date and end date. (4) Groundwater encountered: No ☐ Yes ☐ If yes, show depth below ground surface_____ft. and attach sample results
(5) Attach soil sample results and a diagram of sample locations and excavations.

Additional Comments:

I hereby certify that the information above is true and complete to the best of my knowledge and belief. **I further certify that the above-described pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☒, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.**

Date: 01.31.08
Printed Name/Title Zeno Farris – Manager Operations Administration Signature Zeno Farris

Your certification and NMOCD approval of this application/closure does not relieve the operator of liability should the contents of the pit or tank contaminate ground water or otherwise endanger public health or the environment. Nor does it relieve the operator of its responsibility for compliance with any other federal, state, or local laws and/or regulations.

Approval:
Printed Name/Title CHRIS WILLIAMS / DIST. SUPV Signature Chris Williams Date: 3/6/08

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number	Pool Code	Pool Name
30-005-29019		Abo; Wildcat

Property Code	Property Name	Well Number
36968	SARATOGA 30 STATE COM	1

OGRID No.	Operator Name	Elevation
162683	CIMAREX ENERGY COMPANY OF COLORADO	4450'

Surface Location

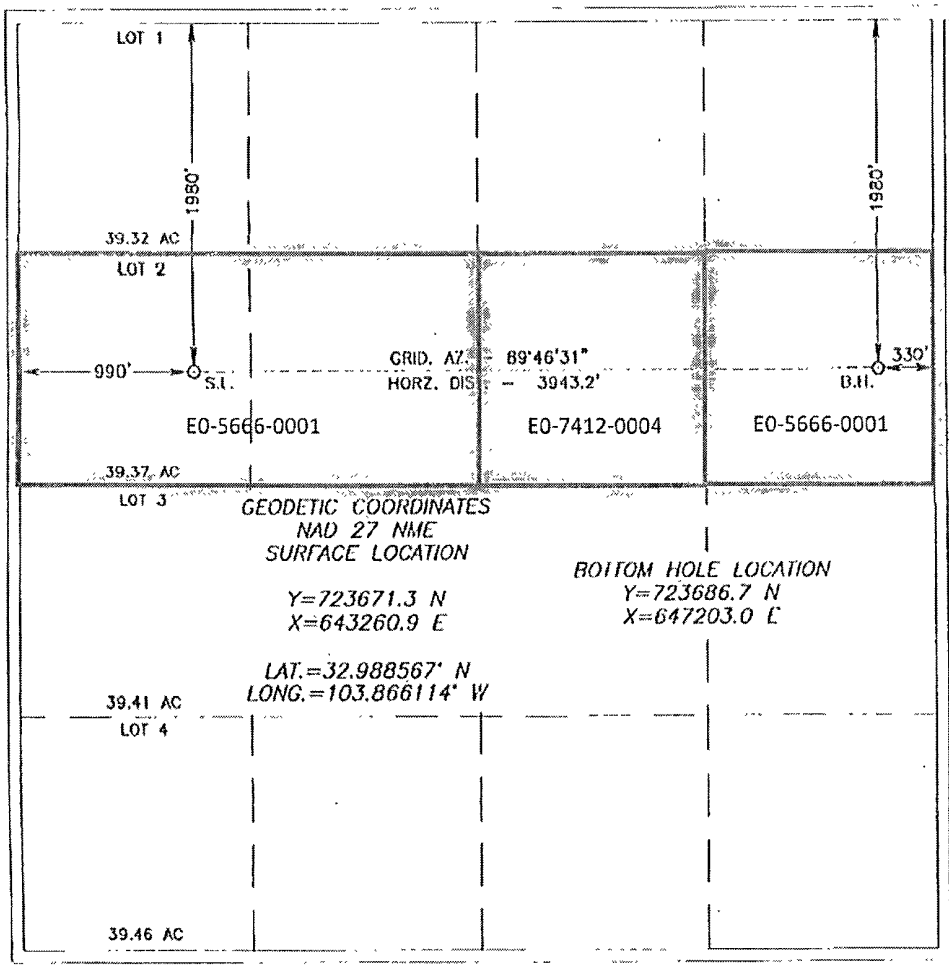
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	30	15-S	31-E		1980	NORTH	990	WEST	CHAVES

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
H	30	15-S	31-E		1980	NORTH	330	EAST	CHAVES

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
159.37		P	

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



OPERATOR CERTIFICATION

I hereby certify that the information 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 or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Zeno Farris — 01-31-08
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.

JANUARY 15, 2008
Date Surveyed — DSS

Signature & Seal of Professional Surveyor

Ronald J. Eidson 01/22/08

07.11.1934

Certificate No. GARY G. EIDSON 12641
RONALD J. EIDSON 3239

Planned Wellpath Report

Plan #1

30-005-29019

BAKER HUGHES INTEQ

REFERENCE WELLPATH IDENTIFICATION

Operator	**Cimarex Energy Co.**	Slot	**No. 1 SHL**
Area	**Chaves County, NM**	Well	**No. 1**
Field	**(Saratoga) Sec 30 T15-S R31-E**	Wellbore	**No. 1 PWB**
Facility	**Saratoga 30 State COM 1**		

REPORT SETUP INFORMATION

Projection System	**NAD27 / TM New Mexico State Planes, Eastern Zone (3001), US feet**	Software System	**WellArchitect™ 1.2**
North Reference	**Grid**	User	**Victor Hernandez**
Scale	**0.999933**	Report Generated	**01/30/08** at **14:38:37**
Wellbore last revised	**01/30/08**	Database/Source file	**WA_Midland/No._1_PWB.x**

WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North [feet]	**East [feet]**	**Easting [US feet]**	**Northing [US feet]**	**Latitude [°]**	**Longitude [°]**
Slot Location	**0.00**	**0.00**	643260.90	723671.30	32 59 18.841N	103 51 58.009W
Facility Reference Pt			**643260.90**	**723671.30**	32 59 18.841N	103 51 58.009W
Field Reference Pt			**643260.90**	**723671.30**	32 59 18.841N	103 51 58.009W

WELLPATH DATUM

Calculation method	**Minimum curvature**	Rig on No. 1 SHL (RT) to Facility Vertical Datum	**18.00 feet**
Horizontal Reference Pt	**Facility Center**	Rig on No. 1 SHL (RT) to GRN. ELEV.	**4468.00 feet**
Vertical Reference Pt	**Rig on No. 1 SHL (RT)**	Facility Vertical Datum to Mud Line (Facility)	**0.00 feet**
MD Reference Pt	**Rig on No. 1 SHL (RT)**	Section Origin	**N 0.00, E 0.00 ft**
Field Vertical Reference	**GRN. ELEV.**	Section Azimuth	**89.78°**

REFERENCE WELLPATH IDENTIFICATION

Operator	**Cimarex Energy Co.**	Slot	**No. 1 SHL**
Area	**Chaves County, NM**	Well	**No. 1**
Field	**(Saratoga) Sec 30 T15-S R31-E**	Wellbore	**No. 1 PWB**
Facility	**Saratoga 30 State COM 1**		

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

MD [feet]	Inclination [°]	Azimuth [°]	TVD [feet]	Vert Sect [feet]	North [feet]	East [feet]	DLS [°/100ft]	Design Comments	Path Comment
0.00	0.000	0.000	0.00	0.00	0.00	0.00	0.00		
2312.00†	0.000	0.000	2312.00	0.00	0.00	0.00	0.00		YATES
3090.00†	0.000	0.000	3090.00	0.00	0.00	0.00	0.00		QUEEN
3940.00†	0.000	0.000	3940.00	0.00	0.00	0.00	0.00		SAN ANDRES
7340.00†	0.000	0.000	7340.00	0.00	0.00	0.00	0.00		ABO SHALE
8300.00	0.000	0.000	8300.00	0.00	0.00	0.00	0.00	Tie On	
8385.00	0.000	89.776	8385.00	0.00	0.00	0.00	0.00	KOP	
8400.00†	4.290	89.776	8399.99	0.56	0.00	0.56	28.60		
8500.00†	32.890	89.776	8493.79	32.11	0.13	32.11	28.60		
8600.00†	61.490	89.776	8561.04	104.71	0.41	104.71	28.60		
8688.10†	86.687	89.776	8585.00	188.76	0.74	188.75	28.60		LOWER ABO DOLOMITE
8698.10	89.546	89.776	8585.33	198.75	0.78	198.75	28.60	EOC	
8700.00†	89.546	89.776	8585.34	200.65	0.78	200.65	0.00		
8800.00†	89.546	89.776	8586.14	300.65	1.17	300.64	0.00		
8900.00†	89.546	89.776	8586.93	400.64	1.57	400.64	0.00		
9000.00†	89.546	89.776	8587.72	500.64	1.96	500.64	0.00		
9100.00†	89.546	89.776	8588.51	600.64	2.35	600.63	0.00		
9200.00†	89.546	89.776	8589.31	700.63	2.74	700.63	0.00		
9300.00†	89.546	89.776	8590.10	800.63	3.13	800.62	0.00		
9400.00†	89.546	89.776	8590.89	900.63	3.52	900.62	0.00		
9500.00†	89.546	89.776	8591.68	1000.62	3.91	1000.62	0.00		
9600.00†	89.546	89.776	8592.48	1100.62	4.30	1100.61	0.00		
9700.00†	89.546	89.776	8593.27	1200.62	4.69	1200.61	0.00		
9800.00†	89.546	89.776	8594.06	1300.61	5.08	1300.61	0.00		
9900.00†	89.546	89.776	8594.85	1400.61	5.47	1400.60	0.00		
10000.00†	89.546	89.776	8595.65	1500.61	5.86	1500.60	0.00		
10100.00†	89.546	89.776	8596.44	1600.61	6.25	1600.59	0.00		
10200.00†	89.546	89.776	8597.23	1700.60	6.64	1700.59	0.00		
10300.00†	89.546	89.776	8598.02	1800.60	7.03	1800.59	0.00		
10400.00†	89.546	89.776	8598.82	1900.60	7.42	1900.58	0.00		
10500.00†	89.546	89.776	8599.61	2000.59	7.82	2000.58	0.00		
10600.00†	89.546	89.776	8600.40	2100.59	8.21	2100.57	0.00		
10700.00†	89.546	89.776	8601.19	2200.59	8.60	2200.57	0.00		
10800.00†	89.546	89.776	8601.99	2300.58	8.99	2300.57	0.00		
10900.00†	89.546	89.776	8602.78	2400.58	9.38	2400.56	0.00		
11000.00†	89.546	89.776	8603.57	2500.58	9.77	2500.56	0.00		
11100.00†	89.546	89.776	8604.36	2600.57	10.16	2600.55	0.00		
11200.00†	89.546	89.776	8605.16	2700.57	10.55	2700.55	0.00		
11300.00†	89.546	89.776	8605.95	2800.57	10.94	2800.55	0.00		
11400.00†	89.546	89.776	8606.74	2900.56	11.33	2900.54	0.00		

Planned Wellpath Report

Plan #1

BAKER HUGHES INTEQ

REFERENCE WELLPATH IDENTIFICATION

Operator	**Cimarex Energy Co.**	Slot	**No. 1 SHL**
Area	**Chaves County, NM**	Well	**No. 1**
Field	**(Saratoga) Sec 30 T15-S R31-E**	Wellbore	**No. 1 PWB**
Facility	**Saratoga 30 State COM 1**		

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

MD [feet]	Inclination [°]	Azimuth [°]	TVD [feet]	Vert Sect [feet]	North [feet]	East [feet]	DLS [°/100ft]	Design Comments	Path Comment
11500.00†	89.546	89.776	8607.54	3000.56	11.72	3000.54	0.00		
11600.00†	89.546	89.776	8608.33	3100.56	12.11	3100.53	0.00		
11700.00†	89.546	89.776	8609.12	3200.56	12.50	3200.53	0.00		
11800.00†	89.546	89.776	8609.91	3300.55	12.89	3300.53	0.00		
11900.00†	89.546	89.776	8610.71	3400.55	13.28	3400.52	0.00		
12000.00†	89.546	89.776	8611.50	3500.55	13.67	3500.52	0.00		
12100.00†	89.546	89.776	8612.29	3600.54	14.07	3600.52	0.00		
12200.00†	89.546	89.776	8613.08	3700.54	14.46	3700.51	0.00		
12300.00†	89.546	89.776	8613.88	3800.54	14.85	3800.51	0.00		
12400.00†	89.546	89.776	8614.67	3900.53	15.24	3900.50	0.00		
12441.87	89.546	89.776	8615.00[1]	3942.40	15.40	3942.37	0.00	No. 1 BHL	

HOLE & CASING SECTIONS Ref Wellbore: No. 1 PWB Ref Wellpath: Plan #1

String/Diameter	Start MD [feet]	End MD [feet]	Interval [feet]	Start TVD [feet]	End TVD [feet]	Start N/S [feet]	Start E/W [feet]	End N/S [feet]	End E/W [feet]
17.5in Open Hole	0.00	340.00	340.00	0.00	340.00	0.00	0.00	0.00	0.00
13.375in Casing Surface	0.00	340.00	340.00	0.00	340.00	0.00	0.00	0.00	0.00
12.25in Open Hole	340.00	3950.00	3610.00	340.00	3950.00	0.00	0.00	0.00	0.00
9.625in Casing Intermediate	340.00	3950.00	3610.00	340.00	3950.00	0.00	0.00	0.00	0.00
8.75in Open Hole	3950.00	8300.00	4350.00	3950.00	8300.00	0.00	0.00	0.00	0.00
7in Liner	3950.00	8300.00	4350.00	3950.00	8300.00	0.00	0.00	0.00	0.00
6.125in Open Hole	8300.00	12441.87	4141.87	8300.00	8615.00	0.00	0.00	15.40	3942.37

TARGETS

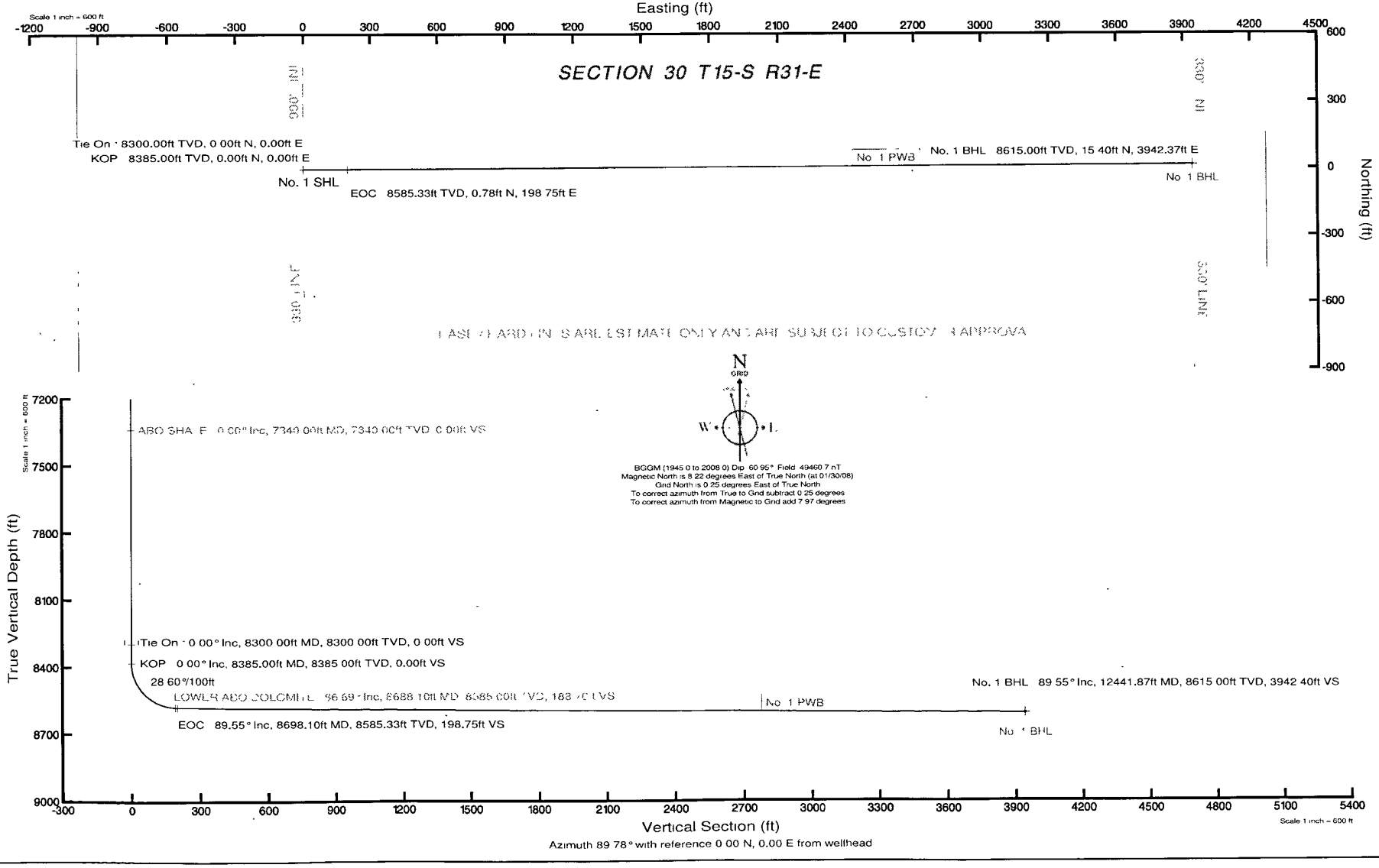
Name	MD [feet]	TVD [feet]	North [feet]	East [feet]	Grid East [us survey feet]	Grid North [us survey feet]	Latitude [°]	Longitude [°]	Shape
1) No. 1 BHL	12441.87	8615.00	15.40	3942.37	**647203.00**	**723686.70**	32 59 18.818N	103 51 11.726W	point

Cimarex Energy Co.

Location Chaves County, NM
Field (Saratoga) Sec 30 T15-S R31-E
Facility Saratoga 30 State COM 1

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

BAKER HUGHES
INTEQ



Azimuth 89.78° with reference 0.00 N, 0.00 E from wellhead

PROPOSED WELLPATH REPORT (CSV version)
Prepared by Baker Hughes INTEQ
Software System: WellArchitect™1.2

REFERENCE WELLPATH IDENTIFICATION

Operator	Cimarex Energy Co.
Area	Chaves County, NM
Field	(Saratoga) Sec 30 T15-S R31-E
Facility	Saratoga 30 State COM 1
Slot	No. 1 SHL
Well	No. 1
Wellbore	No. 1 PWB
Wellpath	Plan #1
Sidetrack	(none)

REPORT SETUP INFORMATION

Projection :	NAD27 / TM New Mexico State Planes, Eastern Zone (3001), US feet
North Refe	Grid
Scale	0.999933
Wellbore L	1/30/2008
Software S	WellArchitect™
User	Victor Hernandez
Report Ge	01/30/08 at 14:38:36
DataBase/	WA_Midland/ev23.xml

WELLPAT	Local North [ft]	Local East [ft]	Grid East [ft]	Grid North [ft]	Latitude [°]	Longitude [°]
Slot Locati	0	0	643260.9	723671.3	32 59 18.8	103 51 58.009W
Facility Ref			643260.9	723671.3	32 59 18.8	103 51 58.009W
Field Refer			643260.9	723671.3	32 59 18.8	103 51 58.009W

WELLPATH DATUM

Calculation	Minimum curvature
Horizontal I	Facility Center
Vertical Re	Rig on No. 1 SHL (RT)
MD Refere	Rig on No. 1 SHL (RT)
Field Vertic	GRN. ELEV.
Rig on No.	18.00 feet
Rig on No.	4468.00 feet
Facility Ver	0.00 feet
Section Ori	0.00 feet
Section Ori	0.00 feet
Section Azi	89.78°

WELLPATH DATA Wellbore: No. 1 PWB Wellpath: Plan #1 † = interpolated/extrapolated s

	MD feet	Inclination deg	Azimuth deg	TVD feet	Vert Sect feet	North feet	East feet	DLS deg/100ft
	0	0	0	0	0	0	0	0
†	2312	0	0	2312	0	0	0	0
†	3090	0	0	3090	0	0	0	0
†	3940	0	0	3940	0	0	0	0

†	7340	0	0	7340	0	0	0	0
	8300	0	0	8300	0	0	0	0
	8385	0	89.776	8385	0	0	0	0
†	8400	4.29	89.776	8399.99	0.56	0	0.56	28.6
†	8500	32.89	89.776	8493.79	32.11	0.13	32.11	28.6
†	8600	61.49	89.776	8561.04	104.71	0.41	104.71	28.6
†	8688.1	86.687	89.776	8585	188.76	0.74	188.75	28.6
	8698.1	89.546	89.776	8585.33	198.75	0.78	198.75	28.6
†	8700	89.546	89.776	8585.34	200.65	0.78	200.65	0
†	8800	89.546	89.776	8586.14	300.65	1.17	300.64	0
†	8900	89.546	89.776	8586.93	400.64	1.57	400.64	0
†	9000	89.546	89.776	8587.72	500.64	1.96	500.64	0
†	9100	89.546	89.776	8588.51	600.64	2.35	600.63	0
†	9200	89.546	89.776	8589.31	700.63	2.74	700.63	0
†	9300	89.546	89.776	8590.1	800.63	3.13	800.62	0
†	9400	89.546	89.776	8590.89	900.63	3.52	900.62	0
†	9500	89.546	89.776	8591.68	1000.62	3.91	1000.62	0
†	9600	89.546	89.776	8592.48	1100.62	4.3	1100.61	0
†	9700	89.546	89.776	8593.27	1200.62	4.69	1200.61	0
†	9800	89.546	89.776	8594.06	1300.61	5.08	1300.61	0
†	9900	89.546	89.776	8594.85	1400.61	5.47	1400.6	0
†	10000	89.546	89.776	8595.65	1500.61	5.86	1500.6	0
†	10100	89.546	89.776	8596.44	1600.61	6.25	1600.59	0
†	10200	89.546	89.776	8597.23	1700.6	6.64	1700.59	0
†	10300	89.546	89.776	8598.02	1800.6	7.03	1800.59	0
†	10400	89.546	89.776	8598.82	1900.6	7.42	1900.58	0
†	10500	89.546	89.776	8599.61	2000.59	7.82	2000.58	0
†	10600	89.546	89.776	8600.4	2100.59	8.21	2100.57	0
†	10700	89.546	89.776	8601.19	2200.59	8.6	2200.57	0
†	10800	89.546	89.776	8601.99	2300.58	8.99	2300.57	0
†	10900	89.546	89.776	8602.78	2400.58	9.38	2400.56	0
†	11000	89.546	89.776	8603.57	2500.58	9.77	2500.56	0
†	11100	89.546	89.776	8604.36	2600.57	10.16	2600.55	0
†	11200	89.546	89.776	8605.16	2700.57	10.55	2700.55	0
†	11300	89.546	89.776	8605.95	2800.57	10.94	2800.55	0
†	11400	89.546	89.776	8606.74	2900.56	11.33	2900.54	0
†	11500	89.546	89.776	8607.54	3000.56	11.72	3000.54	0
†	11600	89.546	89.776	8608.33	3100.56	12.11	3100.53	0
†	11700	89.546	89.776	8609.12	3200.56	12.5	3200.53	0
†	11800	89.546	89.776	8609.91	3300.55	12.89	3300.53	0
†	11900	89.546	89.776	8610.71	3400.55	13.28	3400.52	0
†	12000	89.546	89.776	8611.5	3500.55	13.67	3500.52	0
†	12100	89.546	89.776	8612.29	3600.54	14.07	3600.52	0
†	12200	89.546	89.776	8613.08	3700.54	14.46	3700.51	0
†	12300	89.546	89.776	8613.88	3800.54	14.85	3800.51	0
†	12400	89.546	89.776	8614.67	3900.53	15.24	3900.5	0
	12441.87	89.546	89.776	8615	3942.4	15.4	3942.37	0

HOLE AND CASING SECTIONS Ref Wellbore: No. 1 PWB Ref Wellpath: Plan #1

String/Dian	Start MD feet	End MD feet	Interval feet	Start TVD feet	End TVD feet	Start N/S	End N/S	Start E/W
17.5in Ope	0	340	340	0	340	0	0	0

13.375in C	0	340	340	0	340	0	0	0
12.25in Op	340	3950	3610	340	3950	0	0	0
9.625in Ca	340	3950	3610	340	3950	0	0	0
8.75in Ope	3950	8300	4350	3950	8300	0	0	0
7in Liner	3950	8300	4350	3950	8300	0	0	0
6.125in Op	8300	12441.87	4141.87	8300	8615	0	0	15.4

T A R G E T S

Name	MD	TVD	North	East	Grid East	Grid North	Latitude	Longitude
	feet	feet	feet	feet	us survey f	us survey f	DegMinSe	DegMinSe
(1) No. 1 B	12441.87	8615	15.4	3942.37	647203	723686.7	32 59 18.8	103 51 11.