

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD-ARTESIA

FORM APPROVED
OMB No 1004-0135
Expires July 31, 1996

RM

SUNDRY NOTICES AND REPORTS ON WELLS
*Do not use this form for proposals to drill or to re-enter an
abandoned well. Use form 3160-3 (APD) for such proposals.*

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator
Cimarex Energy Co. of Colorado

3a. Address
5215 N. O'Connor Blvd., Ste. 1500; Irving, TX 75039

RECEIVED
OCT 21 2009
NMOCD ARTESIA
3b. Phone No. (include area code)
972-401-3111

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
SHL 1980 FSL & 330 FEL 11-16S-29E
BHL 1980 FSL & 330 FWL

5. Lease Serial No.

SHL NM-0556811

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

Pending

8. Well Name and No.

Nitro 11 Federal No. 3

9. API Well No.

30-015-36745

10. Field and Pool, or Exploratory Area

County Line Tank; Abo

11. County or Parish, State

Eddy County, NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete to Bone Spring	☒ Other Lengthen
	☒ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	Lateral
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, included estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection)

Cimarex proposes to lengthen the proposed lateral for the Nitro 11 Federal No. 3 well. Originally, the lateral was proposed to encompass Unit Letters I,J,K, and L of 11-16S-29E. Now we propose to add Unit Letters I and J of 10-16S-29E, making the new legal description N2S2 11-16S-29E & N2SE4 10-16S-29E.

If the entire lateral is drilled and produced, Cimarex will cancel its APD for the Glycerin 10 Federal Com No. 3, which is currently proposed in the N2S2 of 10-16S-29E. Also, Cimarex will change the name of the Nitro 11 Federal No. 3.

All aspects of the casing and cementing program will remain the same except for those relating to the lateral portion. The whipstock plug will now be set @ 7037.' Mill window from 7015' to 7030.' Kick off 6 1/2" lateral @ 7025.' Drill to TD @ 14417' MD, 7310' TVD. Install PEAK completion assembly with top of liner w/ RSB Packer @ 6925'. Use 4 1/2" 11.6# P-110 LTC liner from TD to EOC @ 7329' MD and BTC liner from 7329' to RSB Packer @ 6925'. Frac as needed.

Please see attached revised C-102 and preliminary directional survey.

Withdrawn
10/19/09

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

Natalie Krueger

Signature

Natalie Krueger

Title

Regulatory

Date

June 29, 2009

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of Approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

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 30-015-36745	Pool Code 97197	Pool Name County Line Tank; Abo (O)
Property Code	Property Name NITRO "11" FEDERAL	Well Number 3
OGRID No. 162683	Operator Name CIMAREX ENERGY CO. OF COLORADO	Elevation 3737'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	11	16 S	29 E		1980	SOUTH	330	EAST	EDDY

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
J	10	16 S	29 E		1980	SOUTH	2310	EAST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
97197		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

BOTTOM HOLE LOCATION

Lat - N32°56'03.83"
Long - W104°03'41.85"
NMSPCE - E 703776.081
N 624698.635
(NAD-83)

SURFACE LOCATION

Lat - N32°56'03.66"
Long - W104°02'16.44"
NMSPCE - N 703778.6
E 631977.9
(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
Signature

June 29, 2009
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.

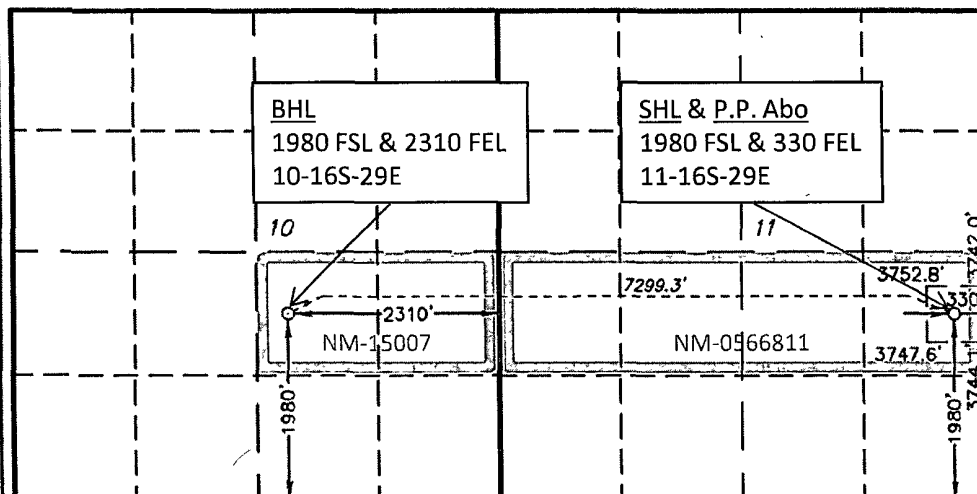
JANUARY 31, 2008

Date Surveyed
Signature of Gary L. Jones
Professional Surveyor

Gary L. Jones
Professional Surveyor
W. 104° 03' 41.85" E 703776.081
N 624698.635

Certificate No. Gary L. Jones 7977

BASIN SURVEYS





Cimarex Energy Co.

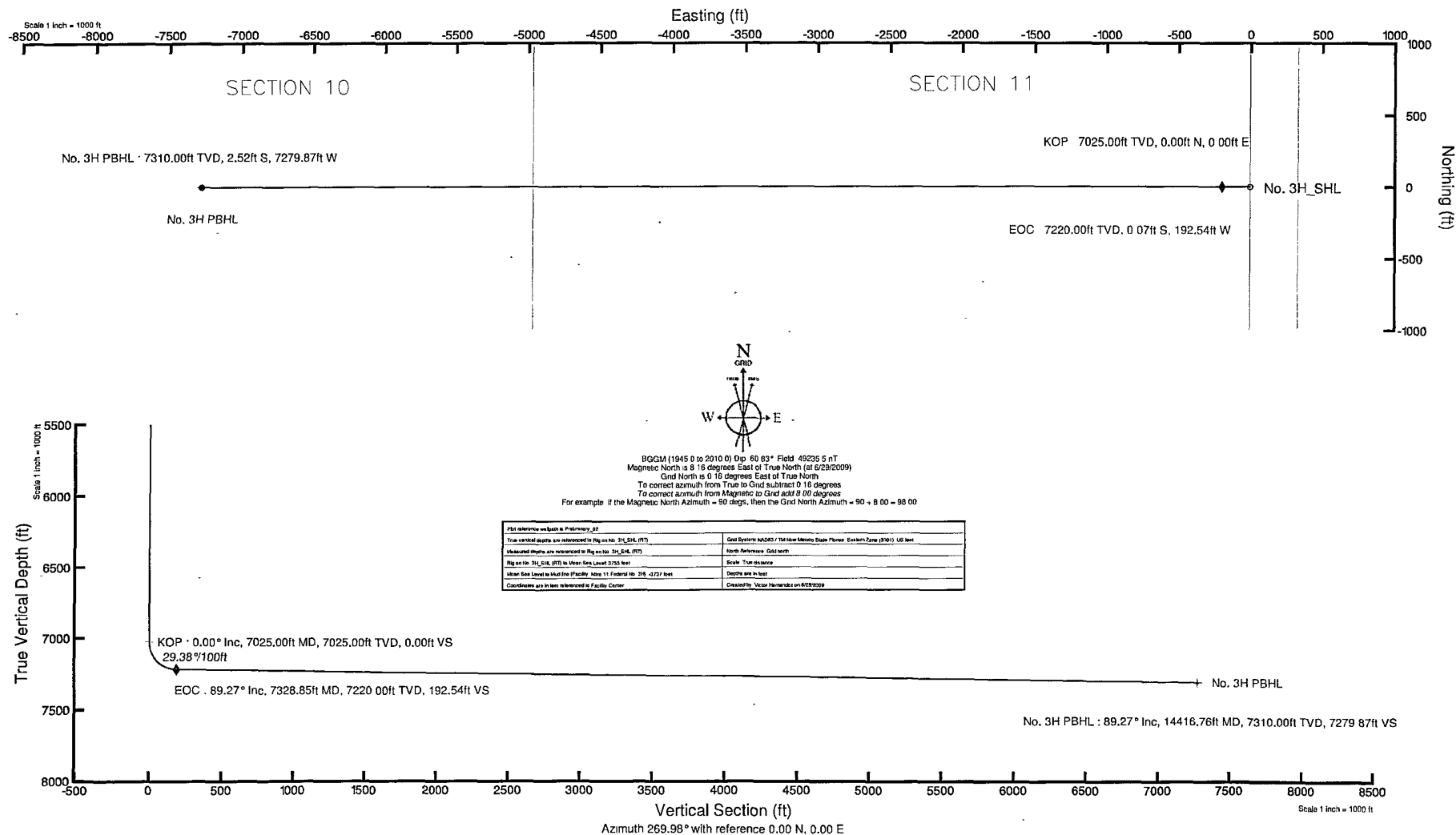
Location: Eddy County, NM
Field: (Nitro) Sec 11, T16S, R29E
Facility: Nitro 11 Federal No. 3H

Slot: No. 3H_SHL
Well: No. 3H
Wellbore: No. #3H 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	269.980	0.00	0.00	0.00	0.00	0.00
KOP	7025.00	0.000	269.980	7025.00	0.00	0.00	0.00	0.00
EOC	7328.85	89.272	269.980	7220.00	-0.07	-192.54	29.38	192.54
No. 3H PBHL	14416.76	89.272	269.980	7310.00	-2.52	-7279.87	0.00	7279.87





Planned Wellpath Report

Preliminary_02

Page 1 of 5



INTEQ

REFERENCE WELLPATH IDENTIFICATION

Operator	Cimarex Energy Co.	Slot	No. 3H_SHL
Area	Eddy County, NM	Well	No. 3H
Field	(Nitro) Sec 11, T16S, R29E	Wellbore	No. #3H PWB
Facility	Nitro 11 Federal No. 3H		

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	0.999919	Report Generated	6/29/2009 at 8:38:45 AM
Convergence at slot	0.16° East	Database/Source file	WA_Midland/No. #3H_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	631977.90	703778.60	32°56'03.661"N	104°02'16.437"W
Facility Reference Pt			631977.90	703778.60	32°56'03.661"N	104°02'16.437"W
Field Reference Pt			631977.90	703778.60	32°56'03.661"N	104°02'16.437"W

WELLPATH DATUM

Calculation method	Minimum curvature	Rig on No. 3H_SHL (RT) to Facility Vertical Datum	18.00ft
Horizontal Reference Pt	Facility Center	Rig on No. 3H_SHL (RT) to Mean Sea Level	3755.00ft
Vertical Reference Pt	Rig on No. 3H_SHL (RT)	Facility Vertical Datum to Mud Line (Facility)	0.00ft
MD Reference Pt	Rig on No. 3H_SHL (RT)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	269.98°



Planned Wellpath Report

Preliminary .02

Page 2 of 5



INTEQ

REFERENCE WELLPATH IDENTIFICATION

Operator	Cimarex Energy Co.	Slot	No. 3H_SHL
Area	Eddy County, NM	Well	No. 3H
Field	(Nitro) Sec 11, T16S, R29E	Wellbore	No. #3H PWB
Facility	Nitro 11 Federal No. 3H		

WELLPATH DATA (77 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
0.00	0.000	269.980	0.00	0.00	0.00	0.00	0.00	Tie On
7025.00	0.000	269.980	7025.00	0.00	0.00	0.00	0.00	KOP
7125.00†	29.380	269.980	7120.67	25.08	-0.01	-25.08	29.38	
7225.00†	58.760	269.980	7191.74	93.88	-0.03	-93.88	29.38	
7325.00†	88.140	269.980	7219.91	188.69	-0.07	-188.69	29.38	
7328.85	89.272	269.980	7220.00	192.54	-0.07	-192.54	29.38	EOC
7425.00†	89.272	269.980	7221.22	288.68	-0.10	-288.68	0.00	
7525.00†	89.272	269.980	7222.49	388.67	-0.13	-388.67	0.00	
7625.00†	89.272	269.980	7223.76	488.66	-0.17	-488.66	0.00	
7725.00†	89.272	269.980	7225.03	588.65	-0.20	-588.65	0.00	
7825.00†	89.272	269.980	7226.30	688.65	-0.24	-688.65	0.00	
7925.00†	89.272	269.980	7227.57	788.64	-0.27	-788.64	0.00	
8025.00†	89.272	269.980	7228.84	888.63	-0.31	-888.63	0.00	
8125.00†	89.272	269.980	7230.11	988.62	-0.34	-988.62	0.00	
8225.00†	89.272	269.980	7231.38	1088.61	-0.38	-1088.61	0.00	
8325.00†	89.272	269.980	7232.65	1188.61	-0.41	-1188.61	0.00	
8425.00†	89.272	269.980	7233.92	1288.60	-0.45	-1288.60	0.00	
8525.00†	89.272	269.980	7235.19	1388.59	-0.48	-1388.59	0.00	
8625.00†	89.272	269.980	7236.46	1488.58	-0.52	-1488.58	0.00	
8725.00†	89.272	269.980	7237.73	1588.57	-0.55	-1588.57	0.00	
8825.00†	89.272	269.980	7239.00	1688.56	-0.58	-1688.56	0.00	
8925.00†	89.272	269.980	7240.27	1788.56	-0.62	-1788.56	0.00	
9025.00†	89.272	269.980	7241.54	1888.55	-0.65	-1888.55	0.00	
9125.00†	89.272	269.980	7242.81	1988.54	-0.69	-1988.54	0.00	
9225.00†	89.272	269.980	7244.08	2088.53	-0.72	-2088.53	0.00	
9325.00†	89.272	269.980	7245.35	2188.52	-0.76	-2188.52	0.00	
9425.00†	89.272	269.980	7246.62	2288.52	-0.79	-2288.52	0.00	
9525.00†	89.272	269.980	7247.89	2388.51	-0.83	-2388.51	0.00	
9625.00†	89.272	269.980	7249.16	2488.50	-0.86	-2488.50	0.00	
9725.00†	89.272	269.980	7250.43	2588.49	-0.90	-2588.49	0.00	



Planned Wellpath Report

Preliminary_02

Page 3 of 5



INTEQ

REFERENCE WELLPATH IDENTIFICATION

Operator	Cimarex Energy Co.	Slot	No. 3H_SHL
Area	Eddy County, NM	Well	No. 3H
Field	(Nitro) Sec 11, T16S, R29E	Wellbore	No. #3H PWB
Facility	Nitro 11 Federal No. 3H		

WELLPATH DATA (77 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
9825.00†	89.272	269.980	7251.70	2688.48	-0.93	-2688.48	0.00	
9925.00†	89.272	269.980	7252.97	2788.48	-0.97	-2788.48	0.00	
10025.00†	89.272	269.980	7254.24	2888.47	-1.00	-2888.47	0.00	
10125.00†	89.272	269.980	7255.50	2988.46	-1.03	-2988.46	0.00	
10225.00†	89.272	269.980	7256.77	3088.45	-1.07	-3088.45	0.00	
10325.00†	89.272	269.980	7258.04	3188.44	-1.10	-3188.44	0.00	
10425.00†	89.272	269.980	7259.31	3288.44	-1.14	-3288.44	0.00	
10525.00†	89.272	269.980	7260.58	3388.43	-1.17	-3388.43	0.00	
10625.00†	89.272	269.980	7261.85	3488.42	-1.21	-3488.42	0.00	
10725.00†	89.272	269.980	7263.12	3588.41	-1.24	-3588.41	0.00	
10825.00†	89.272	269.980	7264.39	3688.40	-1.28	-3688.40	0.00	
10925.00†	89.272	269.980	7265.66	3788.40	-1.31	-3788.40	0.00	
11025.00†	89.272	269.980	7266.93	3888.39	-1.35	-3888.39	0.00	
11125.00†	89.272	269.980	7268.20	3988.38	-1.38	-3988.38	0.00	
11225.00†	89.272	269.980	7269.47	4088.37	-1.42	-4088.37	0.00	
11325.00†	89.272	269.980	7270.74	4188.36	-1.45	-4188.36	0.00	
11425.00†	89.272	269.980	7272.01	4288.36	-1.48	-4288.36	0.00	
11525.00†	89.272	269.980	7273.28	4388.35	-1.52	-4388.35	0.00	
11625.00†	89.272	269.980	7274.55	4488.34	-1.55	-4488.34	0.00	
11725.00†	89.272	269.980	7275.82	4588.33	-1.59	-4588.33	0.00	
11825.00†	89.272	269.980	7277.09	4688.32	-1.62	-4688.32	0.00	
11925.00†	89.272	269.980	7278.36	4788.31	-1.66	-4788.31	0.00	
12025.00†	89.272	269.980	7279.63	4888.31	-1.69	-4888.31	0.00	
12125.00†	89.272	269.980	7280.90	4988.30	-1.73	-4988.30	0.00	
12225.00†	89.272	269.980	7282.17	5088.29	-1.76	-5088.29	0.00	
12325.00†	89.272	269.980	7283.44	5188.28	-1.80	-5188.28	0.00	
12425.00†	89.272	269.980	7284.71	5288.27	-1.83	-5288.27	0.00	
12525.00†	89.272	269.980	7285.98	5388.27	-1.87	-5388.27	0.00	
12625.00†	89.272	269.980	7287.25	5488.26	-1.90	-5488.26	0.00	
12725.00†	89.272	269.980	7288.52	5588.25	-1.93	-5588.25	0.00	



Planned Wellpath Report

Preliminary_02

Page 4 of 5



INTEQ

REFERENCE WELLPATH IDENTIFICATION			
Operator	Cimarex Energy Co.	Slot	No. 3H_SHL
Area	Eddy County, NM	Well	No. 3H
Field	(Nitro) Sec 11, T16S, R29E	Wellbore	No. #3H PWB
Facility	Nitro 11 Federal No. 3H		

WELLPATH DATA (77 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
12825.00†	89.272	269.980	7289.79	5688.24	-1.97	-5688.24	0.00	
12925.00†	89.272	269.980	7291.06	5788.23	-2.00	-5788.23	0.00	
13025.00†	89.272	269.980	7292.33	5888.23	-2.04	-5888.23	0.00	
13125.00†	89.272	269.980	7293.60	5988.22	-2.07	-5988.22	0.00	
13225.00†	89.272	269.980	7294.87	6088.21	-2.11	-6088.21	0.00	
13325.00†	89.272	269.980	7296.14	6188.20	-2.14	-6188.20	0.00	
13425.00†	89.272	269.980	7297.41	6288.19	-2.18	-6288.19	0.00	
13525.00†	89.272	269.980	7298.68	6388.19	-2.21	-6388.19	0.00	
13625.00†	89.272	269.980	7299.95	6488.18	-2.25	-6488.18	0.00	
13725.00†	89.272	269.980	7301.22	6588.17	-2.28	-6588.17	0.00	
13825.00†	89.272	269.980	7302.49	6688.16	-2.32	-6688.16	0.00	
13925.00†	89.272	269.980	7303.76	6788.15	-2.35	-6788.15	0.00	
14025.00†	89.272	269.980	7305.03	6888.15	-2.38	-6888.15	0.00	
14125.00†	89.272	269.980	7306.30	6988.14	-2.42	-6988.14	0.00	
14225.00†	89.272	269.980	7307.57	7088.13	-2.45	-7088.13	0.00	
14325.00†	89.272	269.980	7308.83	7188.12	-2.49	-7188.12	0.00	
14416.76	89.272	269.980	7310.00†	7279.87	-2.52	-7279.87	0.00	No. 3H PBHL



Planned Wellpath Report

Preliminary_02

Page 5 of 5



INTEQ

REFERENCE WELLPATH IDENTIFICATION

Operator	Cimarex Energy Co.	Slot	No. 3H_SHL
Area	Eddy County, NM	Well	No. 3H
Field	(Nitro) Sec 11, T16S, R29E	Wellbore	No. #3H PWB
Facility	Nitro 11 Federal No. 3H		

TARGETS

Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	Shape
1) No. 3H PBHL	14416.76	7310.00	-2.52	-7279.87	624698.64	703776.08	32°56'03.830"N	104°03'41.850"W	point

SURVEY PROGRAM Ref Wellbore: No. #3H PWB Ref Wellpath: Preliminary_02

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
18.00	14416.76	NaviTrak (Standard)		No. #3H PWB