

Submit 1 Copy To Appropriate District
Office
District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Ave., 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
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-103
October 13, 2009

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. 30-025-40571
1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐		5. Indicate Type of Lease STATE ☒ FEE ☐
2. Name of Operator COG Production LLC		6. State Oil & Gas Lease No.
3. Address of Operator 2208 W. Main Street, Artesia, NM 88210		7. Lease Name or Unit Agreement Name Eata Fajita State
4. Well Location Unit Letter <u>B</u> : <u>190</u> feet from the <u>South</u> line and <u>2073'</u> feet from the <u>East</u> line Section <u>8</u> Township <u>24S</u> Range <u>33E</u> NMPM <u>Eddy</u> County		8. Well Number 3H
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3592.3'		9. OGRID Number 217955
		10. Pool name or Wildcat Triple X; Bone Spring <i>West</i>

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
DOWNHOLE COMMINGLE ☐

OTHER: SHL, BHL and Drilling Program Changes
☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐

OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

COG Operating LLC respectfully requests approval for the following SHL, BHL, and drilling program changes to the original APD.

From: SHL: 1870' FSL & 330' FWL
BHL: 1870' FSL & 330' FEL

To: SHL: 190' FSL & 2073' FEL
BHL: 330' FNL & 2073' FEL

Drilling Program
See attached.

Spud Date:

Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Mayte Reyes TITLE: Regulatory Analyst DATE: 1/25/2013

Type or print name: Mayte Reyes E-mail address: mreyes1@conchoresources.com PHONE: (575) 748-6945

For State Use Only

APPROVED BY: [Signature] TITLE: Petroleum Engineer DATE: JAN 28 2013

Conditions of Approval (if any):

DISTRICT I
1625 N. FRENCH DR., HOBBS, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

DISTRICT II
1301 W. GRAND AVENUE, ARTESIA, NM 88210
Phone: (575) 748-1263 Fax: (575) 748-9720

DISTRICT III
1000 RIO BRAZOS RD., AZTEC, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

DISTRICT IV
11885 S. ST. FRANCIS DR., SANTA FE, NM 87505
Phone: (505) 478-3460 Fax: (505) 478-3482

State of New Mexico
Energy, Minerals & Natural Resources Department
CONSERVATION DIVISION
11885 SOUTH ST. FRANCIS DR.
Santa Fe, New Mexico 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate

JAN 28 2013

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-40571	Pool Code 96674	Pool Name Triple X; Bone Spring <i>West</i>
Property Code	Property Name EATA FAJITA	Well Number 3H
OGRID No. 217955	Operator Name COG PRODUCTION, LLC	Elevation 3592.3

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>B</i>	8	24-S	33-E		190	SOUTH	2073'	EAST	LEA

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
<i>B</i>	8	24-S	33-E		330	NORTH	2073'	EAST	LEA

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
160			

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

<i>Y=451569.5 N</i> <i>X=728640.3 E</i> <i>NAD 27 PROPOSED BOTTOM HOLE LOCATION</i> <i>Y=451242.8 N</i> <i>X=729210.4 E</i> <i>LAT.=32.238409° N</i> <i>LONG.=103.592017° W</i> <i>NAD 27 SURFACE LOCATION</i> <i>Y=446482.4 N</i> <i>X=729244.2 E</i> <i>LAT.=32.225323° N</i> <i>LONG.=103.592014° W</i> <i>Y=446289.1 N</i> <i>X=728675.1 E</i> <i>Y=451576.4 N</i> <i>X=729960.0 E</i> <i>Y=446296.6 N</i> <i>X=729996.7 E</i> <i>GRID AZ. = 179°35'24"</i> <i>HORZ. DIST. = 4,760.5'</i> <i>B.H.</i> <i>S.L.</i> <i>330'</i> <i>2073'</i> <i>190'</i>	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. <i>Melanie Parker</i> 1/25/13 Signature Date <i>Melanie J Parker</i> Printed Name <i>mparker@concho.com</i> Email Address 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. DECEMBER 13, 2012 Date of Survey Signature & Seal of Professional Surveyor <i>Chad Hargrow</i> 1/24/13 Certificate No. CHAD HARGROW 17777 W.O. # 12-245A DRAWN BY: VD
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** Amended*

Eata Fajita State #3H

	Hole					
	Size	Casing	Wt	Depth	Cmt	TOC
Surface	17.5	13.375	54.5	1225'	600	0
Intrmd	12.25	9.625	36/40	5075'	950	0
Prod	7.875	5.5	17	15,555'	1500	4600'

Plan to drill a 17-1/2" hole to 1225' with Fresh Water. Run 13-3/8", 54.5#, J-55 csg and cmt to surface. Drill 12-1/4" hole to 5075' with Brine, and run 9-5/8", 36#/40#, J55 and cement to surface. Drill 7-7/8" pilot hole to 12,500' to run OH logs. Plug back, kick off and drill 7-7/8" curve and lateral with cut brine to approx 15,555' MD. Run 5-1/2", 17#, P-110 csg and cement to 4600' in 1 stage.

Well Control

Type	Pressure	Test	Manufacture
Double Ram	3000	3000	Cameron



Company Name: COG Operating, LLC
 Site: Eata Fajita
 3H
 Project: Lea County, NM (NAD27)
 Rig Name: Basic 46



Created By: Gail Deering
 Date: 9:08, January 24 2013
 Plan: Design #1

ANNOTATIONS

MD	TVD	Inc	Azi	+N/-S	+E/-W	VS	Departure	Annotation
10522.54	10522.54	0.00	0.00	0.00	0.00	0.00	0.00	KOP->10523' TVD, Build @ 12.00"/100'
11272.54	11000.00	90.00	359.59	477.45	-33.39	477.47	477.47	Lateral Hold @ 90.00° INC 359.59° AZM
15555.60	11000.00	90.00	359.59	4760.40	-33.80	4760.52	4760.52	PBHL

WELL DETAILS3H

Ground Level: 3592.30
 Northing: 446482.40
 Easting: 729244.20

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting
PBHL	11000.00	4760.40	-33.80	451242.80	729210.40

CASING DETAILS

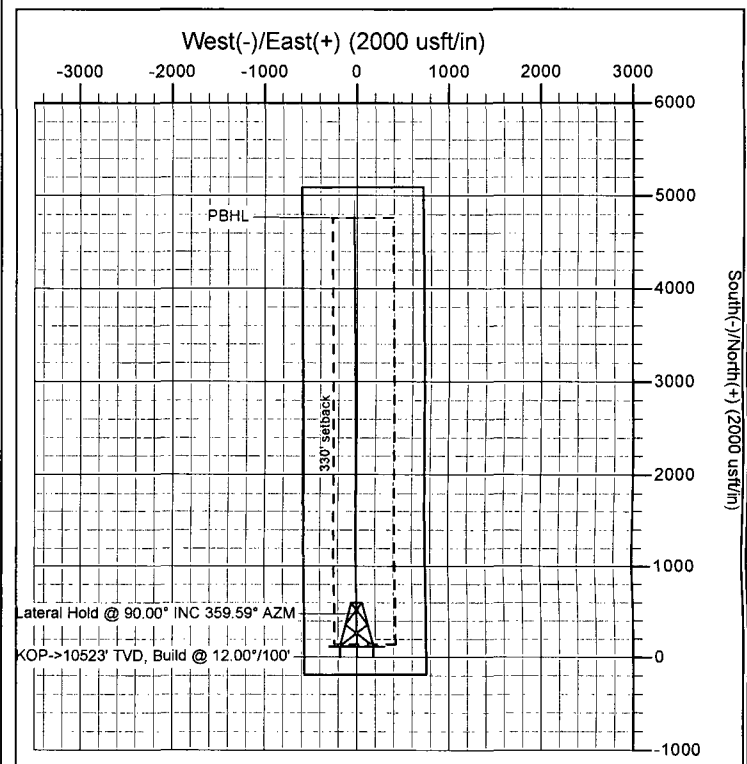
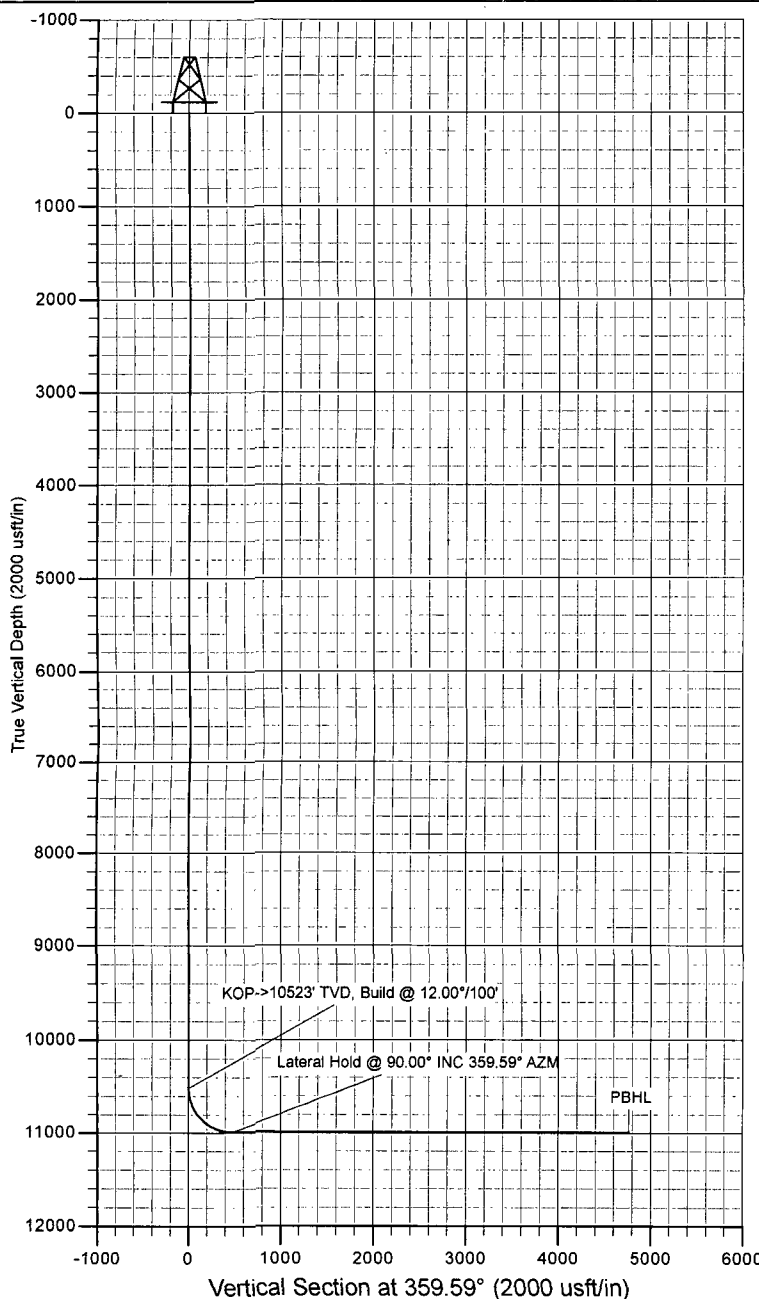
No casing data is available



Azimuths to Grid North
 True North: -0.40°
 Magnetic North: 7.00°

Magnetic Field
 Strength: 48452.5nT
 Dip Angle: 60.14°
 Date: 2013/01/24
 Model: IGRF2010

Magnetic Declination:
7.04° referenced to Grid North



FORMATION TOP DETAILS

No formation data is available



HOBBS OCD

JAN 28 2013

RECEIVED

COG Operating, LLC

Lea County, NM (NAD27)

Eata Fajita

3H

Wellbore #1

Plan: Design #1

Standard Planning Report

24 January, 2013





Childress Directional Drilling Planning Report



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Site Eata Fajita
Company:	COG Operating, LLC	TVD Reference:	WELL @ 3614.30usft (Basic 46)
Project:	Lea County, NM (NAD27)	MD Reference:	WELL @ 3614.30usft (Basic 46)
Site:	Eata Fajita	North Reference:	Grid
Well:	3H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Project	Lea County, NM (NAD27)		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Well	3H				
Well Position	+N/-S	0.00 usft	Northing:	446,482.40 usft	Latitude: 32° 13' 31.163 N
	+E/-W	0.00 usft	Easting:	729,244.20 usft	Longitude: 103° 35' 31.249 W
Position Uncertainty	0.00 usft		Wellhead Elevation:		Ground Level: 3,592.30 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	01/24/13	7.40	60.14	48,453

Design	Design #1			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	359.59

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
10,522.54	0.00	0.00	10,522.54	0.00	0.00	0.00	0.00	0.00	0.00	
11,272.54	90.00	359.59	11,000.01	477.45	-3.39	12.00	12.00	-0.05	359.59	
15,555.60	90.00	359.59	11,000.00	4,760.40	-33.80	0.00	0.00	0.00	0.00	PBHL v1 - Eata Fajita



Childress Directional Drilling Planning Report



Database: EDM 5000.1 Single User Db
Company: COG Operating, LLC
Project: Lea County, NM (NAD27)
Site: Eata Fajita
Well: 3H
Wellbore: Wellbore #1
Design: Design #1

Local Co-ordinate Reference: Site Eata Fajita
TVD Reference: WELL @ 3614.30usft (Basic 46)
MD Reference: WELL @ 3614.30usft (Basic 46)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
10,522.54	0.00	0.00	10,522.54	0.00	0.00	0.00	0.00	0.00	0.00
KOP->10523' TVD, Build @ 12.00°/100'									
10,600.00	9.30	359.59	10,599.66	6.27	-0.04	6.27	12.00	12.00	0.00
10,700.00	21.30	359.59	10,695.94	32.60	-0.23	32.60	12.00	12.00	0.00
10,800.00	33.30	359.59	10,784.65	78.37	-0.56	78.37	12.00	12.00	0.00
10,900.00	45.30	359.59	10,861.89	141.59	-1.01	141.59	12.00	12.00	0.00
11,000.00	57.30	359.59	10,924.31	219.48	-1.56	219.49	12.00	12.00	0.00
11,100.00	69.30	359.59	10,969.17	308.65	-2.19	308.66	12.00	12.00	0.00
11,200.00	81.30	359.59	10,994.51	405.19	-2.88	405.20	12.00	12.00	0.00
11,272.54	90.00	359.59	11,000.01	477.45	-3.39	477.47	12.00	12.00	0.00
Lateral Hold @ 90.00° INC 359.59° AZM									
11,300.00	90.00	359.59	11,000.01	504.91	-3.58	504.92	0.00	0.00	0.00
11,400.00	90.00	359.59	11,000.00	604.91	-4.30	604.92	0.00	0.00	0.00
11,500.00	90.00	359.59	11,000.00	704.91	-5.01	704.92	0.00	0.00	0.00
11,600.00	90.00	359.59	11,000.00	804.90	-5.72	804.92	0.00	0.00	0.00
11,700.00	90.00	359.59	11,000.00	904.90	-6.43	904.92	0.00	0.00	0.00
11,800.00	90.00	359.59	11,000.00	1,004.90	-7.14	1,004.92	0.00	0.00	0.00
11,900.00	90.00	359.59	11,000.00	1,104.90	-7.85	1,104.92	0.00	0.00	0.00
12,000.00	90.00	359.59	11,000.00	1,204.89	-8.56	1,204.92	0.00	0.00	0.00
12,100.00	90.00	359.59	11,000.00	1,304.89	-9.27	1,304.92	0.00	0.00	0.00
12,200.00	90.00	359.59	11,000.00	1,404.89	-9.98	1,404.92	0.00	0.00	0.00
12,300.00	90.00	359.59	11,000.00	1,504.89	-10.69	1,504.92	0.00	0.00	0.00
12,400.00	90.00	359.59	11,000.00	1,604.88	-11.40	1,604.92	0.00	0.00	0.00
12,500.00	90.00	359.59	11,000.00	1,704.88	-12.11	1,704.92	0.00	0.00	0.00
12,600.00	90.00	359.59	11,000.00	1,804.88	-12.82	1,804.92	0.00	0.00	0.00
12,700.00	90.00	359.59	11,000.00	1,904.88	-13.53	1,904.92	0.00	0.00	0.00
12,800.00	90.00	359.59	11,000.00	2,004.87	-14.24	2,004.92	0.00	0.00	0.00
12,900.00	90.00	359.59	11,000.00	2,104.87	-14.95	2,104.92	0.00	0.00	0.00
13,000.00	90.00	359.59	11,000.00	2,204.87	-15.66	2,204.92	0.00	0.00	0.00
13,100.00	90.00	359.59	11,000.00	2,304.87	-16.37	2,304.92	0.00	0.00	0.00
13,200.00	90.00	359.59	11,000.00	2,404.86	-17.08	2,404.92	0.00	0.00	0.00
13,300.00	90.00	359.59	11,000.00	2,504.86	-17.79	2,504.92	0.00	0.00	0.00
13,400.00	90.00	359.59	11,000.00	2,604.86	-18.50	2,604.92	0.00	0.00	0.00
13,500.00	90.00	359.59	11,000.00	2,704.86	-19.21	2,704.92	0.00	0.00	0.00
13,600.00	90.00	359.59	11,000.00	2,804.85	-19.92	2,804.92	0.00	0.00	0.00
13,700.00	90.00	359.59	11,000.00	2,904.85	-20.63	2,904.92	0.00	0.00	0.00
13,800.00	90.00	359.59	11,000.00	3,004.85	-21.34	3,004.92	0.00	0.00	0.00
13,900.00	90.00	359.59	11,000.00	3,104.85	-22.05	3,104.92	0.00	0.00	0.00
14,000.00	90.00	359.59	11,000.00	3,204.84	-22.76	3,204.92	0.00	0.00	0.00
14,100.00	90.00	359.59	11,000.00	3,304.84	-23.47	3,304.92	0.00	0.00	0.00
14,200.00	90.00	359.59	11,000.00	3,404.84	-24.18	3,404.92	0.00	0.00	0.00
14,300.00	90.00	359.59	11,000.00	3,504.84	-24.89	3,504.92	0.00	0.00	0.00
14,400.00	90.00	359.59	11,000.00	3,604.83	-25.60	3,604.92	0.00	0.00	0.00
14,500.00	90.00	359.59	11,000.00	3,704.83	-26.31	3,704.92	0.00	0.00	0.00
14,600.00	90.00	359.59	11,000.00	3,804.83	-27.02	3,804.92	0.00	0.00	0.00
14,700.00	90.00	359.59	11,000.00	3,904.83	-27.73	3,904.92	0.00	0.00	0.00
14,800.00	90.00	359.59	11,000.00	4,004.82	-28.44	4,004.92	0.00	0.00	0.00
14,900.00	90.00	359.59	11,000.00	4,104.82	-29.15	4,104.92	0.00	0.00	0.00
15,000.00	90.00	359.59	11,000.00	4,204.82	-29.86	4,204.92	0.00	0.00	0.00
15,100.00	90.00	359.59	11,000.00	4,304.82	-30.57	4,304.92	0.00	0.00	0.00
15,200.00	90.00	359.59	11,000.00	4,404.81	-31.28	4,404.92	0.00	0.00	0.00
15,300.00	90.00	359.59	11,000.00	4,504.81	-31.99	4,504.92	0.00	0.00	0.00
15,400.00	90.00	359.59	11,000.00	4,604.81	-32.70	4,604.92	0.00	0.00	0.00
15,500.00	90.00	359.59	11,000.00	4,704.81	-33.41	4,704.92	0.00	0.00	0.00



Childress Directional Drilling
Planning Report



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Site Eata Fajita
Company:	COG Operating, LLC	TVD Reference:	WELL @ 3614.30usft (Basic 46)
Project:	Lea County, NM (NAD27)	MD Reference:	WELL @ 3614.30usft (Basic 46)
Site:	Eata Fajita	North Reference:	Grid
Well:	3H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
15,555.60	90.00	359.59	11,000.00	4,760.40	-33.80	4,760.52	0.00	0.00	0.00
PBHL									

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- hit/miss target									
- Shape									
PBHL v1 - Eata Fajita 3H	0.00	0.00	11,000.00	4,760.40	-33.80	451,242.80	729,210.40	32° 14' 18.272 N	103° 35' 31.260 W
- plan hits target center									
- Point									

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
10,522.54	10,522.54	0.00	0.00	KOP->10523' TVD, Build @ 12.00°/100'
11,272.54	11,000.01	477.45	-3.39	Lateral Hold @ 90.00° INC 359.59° AZM
15,555.60	11,000.00	4,760.40	-33.80	PBHL