

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Hobbs

BLM Carlsbad Field Office

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

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 page 2.

1. Type of Well ☒ Oil Well ☐ Gas Well ☐ Other		5. Lease Serial No. SHL: State, BHL: NMNM120906
2. Name of Operator COG Production LLC		6. If Indian, Allottee, or Tribe Name
3a. Address 2208 W. Main Street Artesia, NM 88210	3b. Phone No. (include area code) 575-748-6940	7. If Unit or CA, Agreement Name and/or No.
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 360' FNL & 1750' FWL Lot #3 (NENW) Sec 5-24S-32E		8. Well Name and No. Triste Draw 5 Federal Com #2H
Lat. Long.		9. API Well No. 30-025-40581
		10. Field and Pool, or Exploratory Area Mesa Verde, Delaware
		11. County or Parish, State Lea County NM

12. CHECK APPROPRIATE BOX(S) 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	☐ Altering Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other
	☐ Change Plans	☐ Plug and abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug back	☐ Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths or pertinent markers and sands. Attach the Bond under which the work will be performed or provide the Bond No. on file with the BLM/ BLA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notice 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.)

COG Operating LLC respectfully requests approval for the following changes to the original approved APD.

TD TVD: 8480'
TD MD: 12,882'
BHST: 141°F
BHP: 3970

Intermediate Cement:

Cmt: Lead: 1200 sx
35:65:6 C Blend
12.7 ppg 1.89 ft3/sx

Tail: 250 sx
Class C
14.8 ppg 1.34 ft3/sx

HOBBS OCD

JUL 05 2013

RECEIVED

14. I hereby certify that the foregoing is true and correct.

Name (Printed/ Typed)

Mayte Reyes

Title: Regulatory Analyst

Date: 6/25/13

Signature: *Mayte Reyes*

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by:

Title:

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 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make 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 page 2)

APPROVED

JUL 2 2013

/s/ Chris Walls

BUREAU OF LAND MANAGEMENT

JUL 09 2013



Concho Oil and Gas

Lea County

Triste Draw 5 Federal #2H

Triste Draw 5 Federal #2H

OH

Plan: Plan#1

Standard Planning Report

24 June, 2013

HOBBS OCD

JUL 05 2013

RECEIVED

ELG 7-9-2013







Stryker Directional Planning Report

JUL 05 2013

Database: EDM 5000.1 Single User Db
 Company: Concho Oil and Gas
 Project: Lea County
 Site: Triste Draw 5 Federal #2H
 Well: Triste Draw 5 Federal #2H
 Wellbore: OH
 Design: Plan#1

Local Co-ordinate Reference: Site Triste Draw 5 Federal #2H
 TVD Reference: 3628 GL + 18 @ 3646.0usft (Silver Oak 7)
 MD Reference: 3628 GL + 18 @ 3646.0usft (Silver Oak 7)
 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)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	0.00
2,600.0	0.00	0.00	2,600.0	0.0	0.0	0.0	0.00	0.00	0.00
2,700.0	0.00	0.00	2,700.0	0.0	0.0	0.0	0.00	0.00	0.00
2,800.0	0.00	0.00	2,800.0	0.0	0.0	0.0	0.00	0.00	0.00
2,900.0	0.00	0.00	2,900.0	0.0	0.0	0.0	0.00	0.00	0.00
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.0	0.00	0.00	0.00
3,100.0	0.00	0.00	3,100.0	0.0	0.0	0.0	0.00	0.00	0.00
3,200.0	0.00	0.00	3,200.0	0.0	0.0	0.0	0.00	0.00	0.00
3,300.0	0.00	0.00	3,300.0	0.0	0.0	0.0	0.00	0.00	0.00
3,400.0	0.00	0.00	3,400.0	0.0	0.0	0.0	0.00	0.00	0.00
3,500.0	0.00	0.00	3,500.0	0.0	0.0	0.0	0.00	0.00	0.00
3,600.0	0.00	0.00	3,600.0	0.0	0.0	0.0	0.00	0.00	0.00
3,700.0	0.00	0.00	3,700.0	0.0	0.0	0.0	0.00	0.00	0.00
3,800.0	0.00	0.00	3,800.0	0.0	0.0	0.0	0.00	0.00	0.00
3,900.0	0.00	0.00	3,900.0	0.0	0.0	0.0	0.00	0.00	0.00
4,000.0	0.00	0.00	4,000.0	0.0	0.0	0.0	0.00	0.00	0.00
4,100.0	0.00	0.00	4,100.0	0.0	0.0	0.0	0.00	0.00	0.00
4,200.0	0.00	0.00	4,200.0	0.0	0.0	0.0	0.00	0.00	0.00
4,300.0	0.00	0.00	4,300.0	0.0	0.0	0.0	0.00	0.00	0.00
4,400.0	0.00	0.00	4,400.0	0.0	0.0	0.0	0.00	0.00	0.00
4,500.0	0.00	0.00	4,500.0	0.0	0.0	0.0	0.00	0.00	0.00
4,600.0	0.00	0.00	4,600.0	0.0	0.0	0.0	0.00	0.00	0.00
4,700.0	0.00	0.00	4,700.0	0.0	0.0	0.0	0.00	0.00	0.00
4,800.0	0.00	0.00	4,800.0	0.0	0.0	0.0	0.00	0.00	0.00
4,900.0	0.00	0.00	4,900.0	0.0	0.0	0.0	0.00	0.00	0.00
5,000.0	0.00	0.00	5,000.0	0.0	0.0	0.0	0.00	0.00	0.00
5,100.0	0.00	0.00	5,100.0	0.0	0.0	0.0	0.00	0.00	0.00
5,200.0	0.00	0.00	5,200.0	0.0	0.0	0.0	0.00	0.00	0.00
5,300.0	0.00	0.00	5,300.0	0.0	0.0	0.0	0.00	0.00	0.00

JUL 05 2013



Stryker Directional Planning Report

RECEIVED



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Site Triste Draw 5 Federal #2H
Company:	Concho Oil and Gas	TVD Reference:	3628 GL + 18 @ 3646.0usft (Silver Oak 7)
Project:	Lea County	MD Reference:	3628 GL + 18 @ 3646.0usft (Silver Oak 7)
Site:	Triste Draw 5 Federal #2H	North Reference:	Grid
Well:	Triste Draw 5 Federal #2H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan#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)
5,400.0	0.00	0.00	5,400.0	0.0	0.0	0.0	0.00	0.00	0.00
5,500.0	0.00	0.00	5,500.0	0.0	0.0	0.0	0.00	0.00	0.00
5,600.0	0.00	0.00	5,600.0	0.0	0.0	0.0	0.00	0.00	0.00
5,700.0	0.00	0.00	5,700.0	0.0	0.0	0.0	0.00	0.00	0.00
5,800.0	0.00	0.00	5,800.0	0.0	0.0	0.0	0.00	0.00	0.00
5,900.0	0.00	0.00	5,900.0	0.0	0.0	0.0	0.00	0.00	0.00
6,000.0	0.00	0.00	6,000.0	0.0	0.0	0.0	0.00	0.00	0.00
6,100.0	0.00	0.00	6,100.0	0.0	0.0	0.0	0.00	0.00	0.00
6,200.0	0.00	0.00	6,200.0	0.0	0.0	0.0	0.00	0.00	0.00
6,300.0	0.00	0.00	6,300.0	0.0	0.0	0.0	0.00	0.00	0.00
6,400.0	0.00	0.00	6,400.0	0.0	0.0	0.0	0.00	0.00	0.00
6,500.0	0.00	0.00	6,500.0	0.0	0.0	0.0	0.00	0.00	0.00
6,600.0	0.00	0.00	6,600.0	0.0	0.0	0.0	0.00	0.00	0.00
6,700.0	0.00	0.00	6,700.0	0.0	0.0	0.0	0.00	0.00	0.00
6,800.0	0.00	0.00	6,800.0	0.0	0.0	0.0	0.00	0.00	0.00
6,900.0	0.00	0.00	6,900.0	0.0	0.0	0.0	0.00	0.00	0.00
7,000.0	0.00	0.00	7,000.0	0.0	0.0	0.0	0.00	0.00	0.00
7,100.0	0.00	0.00	7,100.0	0.0	0.0	0.0	0.00	0.00	0.00
7,200.0	0.00	0.00	7,200.0	0.0	0.0	0.0	0.00	0.00	0.00
7,300.0	0.00	0.00	7,300.0	0.0	0.0	0.0	0.00	0.00	0.00
7,400.0	0.00	0.00	7,400.0	0.0	0.0	0.0	0.00	0.00	0.00
7,500.0	0.00	0.00	7,500.0	0.0	0.0	0.0	0.00	0.00	0.00
7,600.0	0.00	0.00	7,600.0	0.0	0.0	0.0	0.00	0.00	0.00
7,700.0	0.00	0.00	7,700.0	0.0	0.0	0.0	0.00	0.00	0.00
7,800.0	0.00	0.00	7,800.0	0.0	0.0	0.0	0.00	0.00	0.00
7,900.0	0.00	0.00	7,900.0	0.0	0.0	0.0	0.00	0.00	0.00
8,000.0	0.00	0.00	8,000.0	0.0	0.0	0.0	0.00	0.00	0.00
8,022.5	0.00	0.00	8,022.5	0.0	0.0	0.0	0.00	0.00	0.00
8,100.0	9.30	175.71	8,099.7	-6.3	0.5	6.3	12.00	12.00	0.00
8,200.0	21.30	175.71	8,195.9	-32.5	2.4	32.6	12.00	12.00	0.00
8,300.0	33.30	175.71	8,284.6	-78.2	5.9	78.4	12.00	12.00	0.00
8,400.0	45.30	175.71	8,361.9	-141.2	10.6	141.6	12.00	12.00	0.00
8,500.0	57.30	175.71	8,424.3	-218.9	16.4	219.5	12.00	12.00	0.00
8,600.0	69.30	175.71	8,469.1	-307.8	23.1	308.7	12.00	12.00	0.00
8,700.0	81.30	175.71	8,494.5	-404.1	30.3	405.2	12.00	12.00	0.00
8,774.8	90.28	175.71	8,500.0	-478.4	35.9	479.8	12.00	12.00	0.00
8,800.0	90.28	175.71	8,499.8	-503.6	37.8	505.0	0.00	0.00	0.00
8,900.0	90.28	175.71	8,499.4	-603.3	45.2	605.0	0.00	0.00	0.00
9,000.0	90.28	175.71	8,498.9	-703.0	52.7	705.0	0.00	0.00	0.00
9,100.0	90.28	175.71	8,498.4	-802.7	60.2	805.0	0.00	0.00	0.00
9,200.0	90.28	175.71	8,497.9	-902.4	67.7	905.0	0.00	0.00	0.00
9,300.0	90.28	175.71	8,497.4	-1,002.1	75.1	1,005.0	0.00	0.00	0.00
9,400.0	90.28	175.71	8,496.9	-1,101.9	82.6	1,105.0	0.00	0.00	0.00
9,500.0	90.28	175.71	8,496.4	-1,201.6	90.1	1,205.0	0.00	0.00	0.00
9,600.0	90.28	175.71	8,495.9	-1,301.3	97.6	1,305.0	0.00	0.00	0.00
9,700.0	90.28	175.71	8,495.5	-1,401.0	105.0	1,405.0	0.00	0.00	0.00
9,800.0	90.28	175.71	8,495.0	-1,500.7	112.5	1,505.0	0.00	0.00	0.00
9,900.0	90.28	175.71	8,494.5	-1,600.5	120.0	1,605.0	0.00	0.00	0.00
10,000.0	90.28	175.71	8,494.0	-1,700.2	127.5	1,705.0	0.00	0.00	0.00
10,100.0	90.28	175.71	8,493.5	-1,799.9	135.0	1,804.9	0.00	0.00	0.00
10,200.0	90.28	175.71	8,493.0	-1,899.6	142.4	1,904.9	0.00	0.00	0.00
10,300.0	90.28	175.71	8,492.5	-1,999.3	149.9	2,004.9	0.00	0.00	0.00
10,400.0	90.28	175.71	8,492.1	-2,099.1	157.4	2,104.9	0.00	0.00	0.00
10,500.0	90.28	175.71	8,491.6	-2,198.8	164.9	2,204.9	0.00	0.00	0.00



Stryker Directional Planning Report

JUL 05 2013



Database: EDM 5000.1 Single User Db
Company: Concho Oil and Gas
Project: Lea County
Site: Triste Draw 5 Federal #2H
Well: Triste Draw 5 Federal #2H
Wellbore: OH
Design: Plan#1

Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:

Site Triste Draw 5 Federal #2H
3628 GL + 18 @ 3646.0usft (Silver Oak 7)
3628 GL + 18 @ 3646.0usft (Silver Oak 7)
Grid
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)
10,600.0	90.28	175.71	8,491.1	-2,298.5	172.3	2,304.9	0.00	0.00	0.00
10,700.0	90.28	175.71	8,490.6	-2,398.2	179.8	2,404.9	0.00	0.00	0.00
10,800.0	90.28	175.71	8,490.1	-2,497.9	187.3	2,504.9	0.00	0.00	0.00
10,900.0	90.28	175.71	8,489.6	-2,597.6	194.8	2,604.9	0.00	0.00	0.00
11,000.0	90.28	175.71	8,489.1	-2,697.4	202.3	2,704.9	0.00	0.00	0.00
11,100.0	90.28	175.71	8,488.7	-2,797.1	209.7	2,804.9	0.00	0.00	0.00
11,200.0	90.28	175.71	8,488.2	-2,896.8	217.2	2,904.9	0.00	0.00	0.00
11,300.0	90.28	175.71	8,487.7	-2,996.5	224.7	3,004.9	0.00	0.00	0.00
11,400.0	90.28	175.71	8,487.2	-3,096.2	232.2	3,104.9	0.00	0.00	0.00
11,500.0	90.28	175.71	8,486.7	-3,196.0	239.6	3,204.9	0.00	0.00	0.00
11,600.0	90.28	175.71	8,486.2	-3,295.7	247.1	3,304.9	0.00	0.00	0.00
11,700.0	90.28	175.71	8,485.7	-3,395.4	254.6	3,404.9	0.00	0.00	0.00
11,800.0	90.28	175.71	8,485.3	-3,495.1	262.1	3,504.9	0.00	0.00	0.00
11,900.0	90.28	175.71	8,484.8	-3,594.8	269.5	3,604.9	0.00	0.00	0.00
12,000.0	90.28	175.71	8,484.3	-3,694.6	277.0	3,704.9	0.00	0.00	0.00
12,100.0	90.28	175.71	8,483.8	-3,794.3	284.5	3,804.9	0.00	0.00	0.00
12,200.0	90.28	175.71	8,483.3	-3,894.0	292.0	3,904.9	0.00	0.00	0.00
12,300.0	90.28	175.71	8,482.8	-3,993.7	299.5	4,004.9	0.00	0.00	0.00
12,400.0	90.28	175.71	8,482.3	-4,093.4	306.9	4,104.9	0.00	0.00	0.00
12,500.0	90.28	175.71	8,481.9	-4,193.2	314.4	4,204.9	0.00	0.00	0.00
12,600.0	90.28	175.71	8,481.4	-4,292.9	321.9	4,304.9	0.00	0.00	0.00
12,700.0	90.28	175.71	8,480.9	-4,392.6	329.4	4,404.9	0.00	0.00	0.00
12,800.0	90.28	175.71	8,480.4	-4,492.3	336.8	4,504.9	0.00	0.00	0.00
12,882.4	90.28	175.71	8,480.0	-4,574.5	343.0	4,587.3	0.00	0.00	0.00

EOL TristeDraw 5 FED #2H

Design Targets

Target Name	hit/miss target	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
EOL TristeDraw 5 FEI	- plan hits target center	0.00	0.00	8,480.0	-4,574.5	343.0	451,623.20	696,420.00	32° 14' 24.116 N	103° 41' 52.997 W
- Point										

HOBBS OCD

JUL 05 2013

RECEIVED



Concho Oil and Gas

Lea County

Triste Draw 5 Federal #2H

Triste Draw 5 Federal #2H

OH

Plan: Plan#1

Standard Planning Report - Geographic

24 June, 2013





Stryker Directional
Planning Report - Geographic

JUL 05 2013



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Site Triste Draw 5 Federal #2H
Company:	Concho Oil and Gas	TVD Reference:	3628 GL + 18 @ 3646.0usft (Silver Oak 7)
Project:	Lea County	MD Reference:	3628 GL + 18 @ 3646.0usft (Silver Oak 7)
Site:	Triste Draw 5 Federal #2H	North Reference:	Grid
Well:	Triste Draw 5 Federal #2H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan#1		

Project:	Lea County		
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		

Site:	Triste Draw 5 Federal #2H		
Site Position:		Northing:	456,197.70 usft
From:	Map	Easting:	696,077.00 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16"
		Latitude:	32° 15' 9.404 N
		Longitude:	103° 41' 56.676 W
		Grid Convergence:	0.34 °

Well:	Triste Draw 5 Federal #2H					
Well Position	+N/-S	0.0 usft	Northing:	456,197.70 usft	Latitude:	32° 15' 9.404 N
	+E/-W	0.0 usft	Easting:	696,077.00 usft	Longitude:	103° 41' 56.676 W
Position Uncertainty	0.0 usft	Wellhead Elevation:		Ground Level:	3,628.0 usft	

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	6/24/2013	7.40	60.14	48,416

Design:	Plan#1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
---------	--------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(usft)	(usft)	(usft)	(°)
	0.0	0.0	0.0	175.71

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
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
8,022.5	0.00	0.00	8,022.5	0.0	0.0	0.00	0.00	0.00	0.00	
8,774.8	90.28	175.71	8,500.0	-478.4	35.9	12.00	12.00	23.36	175.71	
12,882.4	90.28	175.71	8,480.0	-4,574.5	343.0	0.00	0.00	0.00	0.00	EOL TristeDraw 5 F



Stryker Directional
Planning Report - Geographic

JUL 05 2014
STYKER

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Site Triste Draw 5 Federal #2HVED
Company:	Concho Oil and Gas	TVD Reference:	3628 GL + 18 @ 3646.0usft (Silver Oak 7)
Project:	Lea County	MD Reference:	3628 GL + 18 @ 3646.0usft (Silver Oak 7)
Site:	Triste Draw 5 Federal #2H	North Reference:	Grid
Well:	Triste Draw 5 Federal #2H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan#1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
0.0	0.00	0.00	0.0	0.0	0.0	456,197.70	696,077.00	32° 15' 9.404 N	103° 41' 56.676 W
100.0	0.00	0.00	100.0	0.0	0.0	456,197.70	696,077.00	32° 15' 9.404 N	103° 41' 56.676 W
200.0	0.00	0.00	200.0	0.0	0.0	456,197.70	696,077.00	32° 15' 9.404 N	103° 41' 56.676 W
300.0	0.00	0.00	300.0	0.0	0.0	456,197.70	696,077.00	32° 15' 9.404 N	103° 41' 56.676 W
400.0	0.00	0.00	400.0	0.0	0.0	456,197.70	696,077.00	32° 15' 9.404 N	103° 41' 56.676 W
500.0	0.00	0.00	500.0	0.0	0.0	456,197.70	696,077.00	32° 15' 9.404 N	103° 41' 56.676 W
600.0	0.00	0.00	600.0	0.0	0.0	456,197.70	696,077.00	32° 15' 9.404 N	103° 41' 56.676 W
700.0	0.00	0.00	700.0	0.0	0.0	456,197.70	696,077.00	32° 15' 9.404 N	103° 41' 56.676 W
800.0	0.00	0.00	800.0	0.0	0.0	456,197.70	696,077.00	32° 15' 9.404 N	103° 41' 56.676 W
900.0	0.00	0.00	900.0	0.0	0.0	456,197.70	696,077.00	32° 15' 9.404 N	103° 41' 56.676 W
1,000.0	0.00	0.00	1,000.0	0.0	0.0	456,197.70	696,077.00	32° 15' 9.404 N	103° 41' 56.676 W
1,100.0	0.00	0.00	1,100.0	0.0	0.0	456,197.70	696,077.00	32° 15' 9.404 N	103° 41' 56.676 W
1,200.0	0.00	0.00	1,200.0	0.0	0.0	456,197.70	696,077.00	32° 15' 9.404 N	103° 41' 56.676 W
1,300.0	0.00	0.00	1,300.0	0.0	0.0	456,197.70	696,077.00	32° 15' 9.404 N	103° 41' 56.676 W
1,400.0	0.00	0.00	1,400.0	0.0	0.0	456,197.70	696,077.00	32° 15' 9.404 N	103° 41' 56.676 W
1,500.0	0.00	0.00	1,500.0	0.0	0.0	456,197.70	696,077.00	32° 15' 9.404 N	103° 41' 56.676 W
1,600.0	0.00	0.00	1,600.0	0.0	0.0	456,197.70	696,077.00	32° 15' 9.404 N	103° 41' 56.676 W
1,700.0	0.00	0.00	1,700.0	0.0	0.0	456,197.70	696,077.00	32° 15' 9.404 N	103° 41' 56.676 W
1,800.0	0.00	0.00	1,800.0	0.0	0.0	456,197.70	696,077.00	32° 15' 9.404 N	103° 41' 56.676 W
1,900.0	0.00	0.00	1,900.0	0.0	0.0	456,197.70	696,077.00	32° 15' 9.404 N	103° 41' 56.676 W
2,000.0	0.00	0.00	2,000.0	0.0	0.0	456,197.70	696,077.00	32° 15' 9.404 N	103° 41' 56.676 W
2,100.0	0.00	0.00	2,100.0	0.0	0.0	456,197.70	696,077.00	32° 15' 9.404 N	103° 41' 56.676 W
2,200.0	0.00	0.00	2,200.0	0.0	0.0	456,197.70	696,077.00	32° 15' 9.404 N	103° 41' 56.676 W
2,300.0	0.00	0.00	2,300.0	0.0	0.0	456,197.70	696,077.00	32° 15' 9.404 N	103° 41' 56.676 W
2,400.0	0.00	0.00	2,400.0	0.0	0.0	456,197.70	696,077.00	32° 15' 9.404 N	103° 41' 56.676 W
2,500.0	0.00	0.00	2,500.0	0.0	0.0	456,197.70	696,077.00	32° 15' 9.404 N	103° 41' 56.676 W
2,600.0	0.00	0.00	2,600.0	0.0	0.0	456,197.70	696,077.00	32° 15' 9.404 N	103° 41' 56.676 W
2,700.0	0.00	0.00	2,700.0	0.0	0.0	456,197.70	696,077.00	32° 15' 9.404 N	103° 41' 56.676 W
2,800.0	0.00	0.00	2,800.0	0.0	0.0	456,197.70	696,077.00	32° 15' 9.404 N	103° 41' 56.676 W
2,900.0	0.00	0.00	2,900.0	0.0	0.0	456,197.70	696,077.00	32° 15' 9.404 N	103° 41' 56.676 W
3,000.0	0.00	0.00	3,000.0	0.0	0.0	456,197.70	696,077.00	32° 15' 9.404 N	103° 41' 56.676 W
3,100.0	0.00	0.00	3,100.0	0.0	0.0	456,197.70	696,077.00	32° 15' 9.404 N	103° 41' 56.676 W
3,200.0	0.00	0.00	3,200.0	0.0	0.0	456,197.70	696,077.00	32° 15' 9.404 N	103° 41' 56.676 W
3,300.0	0.00	0.00	3,300.0	0.0	0.0	456,197.70	696,077.00	32° 15' 9.404 N	103° 41' 56.676 W
3,400.0	0.00	0.00	3,400.0	0.0	0.0	456,197.70	696,077.00	32° 15' 9.404 N	103° 41' 56.676 W
3,500.0	0.00	0.00	3,500.0	0.0	0.0	456,197.70	696,077.00	32° 15' 9.404 N	103° 41' 56.676 W
3,600.0	0.00	0.00	3,600.0	0.0	0.0	456,197.70	696,077.00	32° 15' 9.404 N	103° 41' 56.676 W
3,700.0	0.00	0.00	3,700.0	0.0	0.0	456,197.70	696,077.00	32° 15' 9.404 N	103° 41' 56.676 W
3,800.0	0.00	0.00	3,800.0	0.0	0.0	456,197.70	696,077.00	32° 15' 9.404 N	103° 41' 56.676 W
3,900.0	0.00	0.00	3,900.0	0.0	0.0	456,197.70	696,077.00	32° 15' 9.404 N	103° 41' 56.676 W
4,000.0	0.00	0.00	4,000.0	0.0	0.0	456,197.70	696,077.00	32° 15' 9.404 N	103° 41' 56.676 W
4,100.0	0.00	0.00	4,100.0	0.0	0.0	456,197.70	696,077.00	32° 15' 9.404 N	103° 41' 56.676 W
4,200.0	0.00	0.00	4,200.0	0.0	0.0	456,197.70	696,077.00	32° 15' 9.404 N	103° 41' 56.676 W
4,300.0	0.00	0.00	4,300.0	0.0	0.0	456,197.70	696,077.00	32° 15' 9.404 N	103° 41' 56.676 W
4,400.0	0.00	0.00	4,400.0	0.0	0.0	456,197.70	696,077.00	32° 15' 9.404 N	103° 41' 56.676 W
4,500.0	0.00	0.00	4,500.0	0.0	0.0	456,197.70	696,077.00	32° 15' 9.404 N	103° 41' 56.676 W
4,600.0	0.00	0.00	4,600.0	0.0	0.0	456,197.70	696,077.00	32° 15' 9.404 N	103° 41' 56.676 W
4,700.0	0.00	0.00	4,700.0	0.0	0.0	456,197.70	696,077.00	32° 15' 9.404 N	103° 41' 56.676 W
4,800.0	0.00	0.00	4,800.0	0.0	0.0	456,197.70	696,077.00	32° 15' 9.404 N	103° 41' 56.676 W
4,900.0	0.00	0.00	4,900.0	0.0	0.0	456,197.70	696,077.00	32° 15' 9.404 N	103° 41' 56.676 W
5,000.0	0.00	0.00	5,000.0	0.0	0.0	456,197.70	696,077.00	32° 15' 9.404 N	103° 41' 56.676 W
5,100.0	0.00	0.00	5,100.0	0.0	0.0	456,197.70	696,077.00	32° 15' 9.404 N	103° 41' 56.676 W
5,200.0	0.00	0.00	5,200.0	0.0	0.0	456,197.70	696,077.00	32° 15' 9.404 N	103° 41' 56.676 W
5,300.0	0.00	0.00	5,300.0	0.0	0.0	456,197.70	696,077.00	32° 15' 9.404 N	103° 41' 56.676 W
5,400.0	0.00	0.00	5,400.0	0.0	0.0	456,197.70	696,077.00	32° 15' 9.404 N	103° 41' 56.676 W

JUL 05 2013



Stryker Directional

Planning Report - Geographic



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Site Triste Draw 5 Federal #2H
Company:	Concho Oil and Gas	TVD Reference:	3628 GL + 18 @ 3646.0usft (Silver Oak 7)
Project:	Lea County	MD Reference:	3628 GL + 18 @ 3646.0usft (Silver Oak 7)
Site:	Triste Draw 5 Federal #2H	North Reference:	Grid
Well:	Triste Draw 5 Federal #2H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan#1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
5,500.0	0.00	0.00	5,500.0	0.0	0.0	456,197.70	696,077.00	32° 15' 9.404 N	103° 41' 56.676 W
5,600.0	0.00	0.00	5,600.0	0.0	0.0	456,197.70	696,077.00	32° 15' 9.404 N	103° 41' 56.676 W
5,700.0	0.00	0.00	5,700.0	0.0	0.0	456,197.70	696,077.00	32° 15' 9.404 N	103° 41' 56.676 W
5,800.0	0.00	0.00	5,800.0	0.0	0.0	456,197.70	696,077.00	32° 15' 9.404 N	103° 41' 56.676 W
5,900.0	0.00	0.00	5,900.0	0.0	0.0	456,197.70	696,077.00	32° 15' 9.404 N	103° 41' 56.676 W
6,000.0	0.00	0.00	6,000.0	0.0	0.0	456,197.70	696,077.00	32° 15' 9.404 N	103° 41' 56.676 W
6,100.0	0.00	0.00	6,100.0	0.0	0.0	456,197.70	696,077.00	32° 15' 9.404 N	103° 41' 56.676 W
6,200.0	0.00	0.00	6,200.0	0.0	0.0	456,197.70	696,077.00	32° 15' 9.404 N	103° 41' 56.676 W
6,300.0	0.00	0.00	6,300.0	0.0	0.0	456,197.70	696,077.00	32° 15' 9.404 N	103° 41' 56.676 W
6,400.0	0.00	0.00	6,400.0	0.0	0.0	456,197.70	696,077.00	32° 15' 9.404 N	103° 41' 56.676 W
6,500.0	0.00	0.00	6,500.0	0.0	0.0	456,197.70	696,077.00	32° 15' 9.404 N	103° 41' 56.676 W
6,600.0	0.00	0.00	6,600.0	0.0	0.0	456,197.70	696,077.00	32° 15' 9.404 N	103° 41' 56.676 W
6,700.0	0.00	0.00	6,700.0	0.0	0.0	456,197.70	696,077.00	32° 15' 9.404 N	103° 41' 56.676 W
6,800.0	0.00	0.00	6,800.0	0.0	0.0	456,197.70	696,077.00	32° 15' 9.404 N	103° 41' 56.676 W
6,900.0	0.00	0.00	6,900.0	0.0	0.0	456,197.70	696,077.00	32° 15' 9.404 N	103° 41' 56.676 W
7,000.0	0.00	0.00	7,000.0	0.0	0.0	456,197.70	696,077.00	32° 15' 9.404 N	103° 41' 56.676 W
7,100.0	0.00	0.00	7,100.0	0.0	0.0	456,197.70	696,077.00	32° 15' 9.404 N	103° 41' 56.676 W
7,200.0	0.00	0.00	7,200.0	0.0	0.0	456,197.70	696,077.00	32° 15' 9.404 N	103° 41' 56.676 W
7,300.0	0.00	0.00	7,300.0	0.0	0.0	456,197.70	696,077.00	32° 15' 9.404 N	103° 41' 56.676 W
7,400.0	0.00	0.00	7,400.0	0.0	0.0	456,197.70	696,077.00	32° 15' 9.404 N	103° 41' 56.676 W
7,500.0	0.00	0.00	7,500.0	0.0	0.0	456,197.70	696,077.00	32° 15' 9.404 N	103° 41' 56.676 W
7,600.0	0.00	0.00	7,600.0	0.0	0.0	456,197.70	696,077.00	32° 15' 9.404 N	103° 41' 56.676 W
7,700.0	0.00	0.00	7,700.0	0.0	0.0	456,197.70	696,077.00	32° 15' 9.404 N	103° 41' 56.676 W
7,800.0	0.00	0.00	7,800.0	0.0	0.0	456,197.70	696,077.00	32° 15' 9.404 N	103° 41' 56.676 W
7,900.0	0.00	0.00	7,900.0	0.0	0.0	456,197.70	696,077.00	32° 15' 9.404 N	103° 41' 56.676 W
8,000.0	0.00	0.00	8,000.0	0.0	0.0	456,197.70	696,077.00	32° 15' 9.404 N	103° 41' 56.676 W
8,022.5	0.00	0.00	8,022.5	0.0	0.0	456,197.70	696,077.00	32° 15' 9.404 N	103° 41' 56.676 W
8,100.0	9.30	175.71	8,099.7	-6.3	0.5	456,191.44	696,077.46	32° 15' 9.342 N	103° 41' 56.671 W
8,200.0	21.30	175.71	8,195.9	-32.5	2.4	456,165.18	696,079.43	32° 15' 9.082 N	103° 41' 56.650 W
8,300.0	33.30	175.71	8,284.6	-78.2	5.9	456,119.52	696,082.86	32° 15' 8.630 N	103° 41' 56.613 W
8,400.0	45.30	175.71	8,361.9	-141.2	10.6	456,056.48	696,087.58	32° 15' 8.006 N	103° 41' 56.562 W
8,500.0	57.30	175.71	8,424.3	-218.9	16.4	455,978.80	696,093.41	32° 15' 7.237 N	103° 41' 56.500 W
8,600.0	69.30	175.71	8,469.1	-307.8	23.1	455,889.87	696,100.08	32° 15' 6.357 N	103° 41' 56.428 W
8,700.0	81.30	175.71	8,494.5	-404.1	30.3	455,793.59	696,107.30	32° 15' 5.404 N	103° 41' 56.351 W
8,774.8	90.28	175.71	8,500.0	-478.4	35.9	455,719.26	696,112.87	32° 15' 4.668 N	103° 41' 56.291 W
8,800.0	90.28	175.71	8,499.8	-503.6	37.8	455,694.15	696,114.75	32° 15' 4.419 N	103° 41' 56.271 W
8,900.0	90.28	175.71	8,499.4	-603.3	45.2	455,594.43	696,122.23	32° 15' 3.432 N	103° 41' 56.191 W
9,000.0	90.28	175.71	8,498.9	-703.0	52.7	455,494.71	696,129.71	32° 15' 2.445 N	103° 41' 56.110 W
9,100.0	90.28	175.71	8,498.4	-802.7	60.2	455,394.99	696,137.18	32° 15' 1.457 N	103° 41' 56.030 W
9,200.0	90.28	175.71	8,497.9	-902.4	67.7	455,295.27	696,144.66	32° 15' 0.470 N	103° 41' 55.950 W
9,300.0	90.28	175.71	8,497.4	-1,002.1	75.1	455,195.55	696,152.14	32° 14' 59.483 N	103° 41' 55.870 W
9,400.0	90.28	175.71	8,496.9	-1,101.9	82.6	455,095.84	696,159.61	32° 14' 58.496 N	103° 41' 55.790 W
9,500.0	90.28	175.71	8,496.4	-1,201.6	90.1	454,996.12	696,167.09	32° 14' 57.508 N	103° 41' 55.709 W
9,600.0	90.28	175.71	8,495.9	-1,301.3	97.6	454,896.40	696,174.57	32° 14' 56.521 N	103° 41' 55.629 W
9,700.0	90.28	175.71	8,495.5	-1,401.0	105.0	454,796.68	696,182.05	32° 14' 55.534 N	103° 41' 55.549 W
9,800.0	90.28	175.71	8,495.0	-1,500.7	112.5	454,696.96	696,189.52	32° 14' 54.547 N	103° 41' 55.469 W
9,900.0	90.28	175.71	8,494.5	-1,600.5	120.0	454,597.24	696,197.00	32° 14' 53.560 N	103° 41' 55.389 W
10,000.0	90.28	175.71	8,494.0	-1,700.2	127.5	454,497.52	696,204.48	32° 14' 52.572 N	103° 41' 55.308 W
10,100.0	90.28	175.71	8,493.5	-1,799.9	135.0	454,397.80	696,211.95	32° 14' 51.585 N	103° 41' 55.228 W
10,200.0	90.28	175.71	8,493.0	-1,899.6	142.4	454,298.08	696,219.43	32° 14' 50.598 N	103° 41' 55.148 W
10,300.0	90.28	175.71	8,492.5	-1,999.3	149.9	454,198.37	696,226.91	32° 14' 49.611 N	103° 41' 55.068 W
10,400.0	90.28	175.71	8,492.1	-2,099.1	157.4	454,098.65	696,234.38	32° 14' 48.623 N	103° 41' 54.988 W
10,500.0	90.28	175.71	8,491.6	-2,198.8	164.9	453,998.93	696,241.86	32° 14' 47.636 N	103° 41' 54.907 W
10,600.0	90.28	175.71	8,491.1	-2,298.5	172.3	453,899.21	696,249.34	32° 14' 46.649 N	103° 41' 54.827 W
10,700.0	90.28	175.71	8,490.6	-2,398.2	179.8	453,799.49	696,256.82	32° 14' 45.662 N	103° 41' 54.747 W



Stryker Directional
Planning Report - Geographic



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Site Triste Draw 5 Federal #2H
Company:	Concho Oil and Gas	TVD Reference:	3628 GL + 18 @ 3646.0usft (Silver Oak 7)
Project:	Lea County	MD Reference:	3628 GL + 18 @ 3646.0usft (Silver Oak 7)
Site:	Triste Draw 5 Federal #2H	North Reference:	Grid
Well:	Triste Draw 5 Federal #2H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan#1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
10,800.0	90.28	175.71	8,490.1	-2,497.9	187.3	453,699.77	696,264.29	32° 14' 44.674 N	103° 41' 54.667 W
10,900.0	90.28	175.71	8,489.6	-2,597.6	194.8	453,600.05	696,271.77	32° 14' 43.687 N	103° 41' 54.587 W
11,000.0	90.28	175.71	8,489.1	-2,697.4	202.3	453,500.33	696,279.25	32° 14' 42.700 N	103° 41' 54.506 W
11,100.0	90.28	175.71	8,488.7	-2,797.1	209.7	453,400.61	696,286.72	32° 14' 41.713 N	103° 41' 54.426 W
11,200.0	90.28	175.71	8,488.2	-2,896.8	217.2	453,300.90	696,294.20	32° 14' 40.726 N	103° 41' 54.346 W
11,300.0	90.28	175.71	8,487.7	-2,996.5	224.7	453,201.18	696,301.68	32° 14' 39.738 N	103° 41' 54.266 W
11,400.0	90.28	175.71	8,487.2	-3,096.2	232.2	453,101.46	696,309.15	32° 14' 38.751 N	103° 41' 54.186 W
11,500.0	90.28	175.71	8,486.7	-3,196.0	239.6	453,001.74	696,316.63	32° 14' 37.764 N	103° 41' 54.105 W
11,600.0	90.28	175.71	8,486.2	-3,295.7	247.1	452,902.02	696,324.11	32° 14' 36.777 N	103° 41' 54.025 W
11,700.0	90.28	175.71	8,485.7	-3,395.4	254.6	452,802.30	696,331.59	32° 14' 35.789 N	103° 41' 53.945 W
11,800.0	90.28	175.71	8,485.3	-3,495.1	262.1	452,702.58	696,339.06	32° 14' 34.802 N	103° 41' 53.865 W
11,900.0	90.28	175.71	8,484.8	-3,594.8	269.5	452,602.86	696,346.54	32° 14' 33.815 N	103° 41' 53.785 W
12,000.0	90.28	175.71	8,484.3	-3,694.6	277.0	452,503.14	696,354.02	32° 14' 32.828 N	103° 41' 53.704 W
12,100.0	90.28	175.71	8,483.8	-3,794.3	284.5	452,403.43	696,361.49	32° 14' 31.841 N	103° 41' 53.624 W
12,200.0	90.28	175.71	8,483.3	-3,894.0	292.0	452,303.71	696,368.97	32° 14' 30.853 N	103° 41' 53.544 W
12,300.0	90.28	175.71	8,482.8	-3,993.7	299.5	452,203.99	696,376.45	32° 14' 29.866 N	103° 41' 53.464 W
12,400.0	90.28	175.71	8,482.3	-4,093.4	306.9	452,104.27	696,383.92	32° 14' 28.879 N	103° 41' 53.384 W
12,500.0	90.28	175.71	8,481.9	-4,193.2	314.4	452,004.55	696,391.40	32° 14' 27.892 N	103° 41' 53.304 W
12,600.0	90.28	175.71	8,481.4	-4,292.9	321.9	451,904.83	696,398.88	32° 14' 26.904 N	103° 41' 53.223 W
12,700.0	90.28	175.71	8,480.9	-4,392.6	329.4	451,805.11	696,406.36	32° 14' 25.917 N	103° 41' 53.143 W
12,800.0	90.28	175.71	8,480.4	-4,492.3	336.8	451,705.39	696,413.83	32° 14' 24.930 N	103° 41' 53.063 W
12,882.4	90.28	175.71	8,480.0	-4,574.5	343.0	451,623.20	696,420.00	32° 14' 24.116 N	103° 41' 52.997 W

EOL TristeDraw 5 FED #2H

Design Targets

Target Name	- hit/miss target	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
EOL TristeDraw 5 FEI	- plan hits target center	0.00	0.00	8,480.0	-4,574.5	343.0	451,623.20	696,420.00	32° 14' 24.116 N	103° 41' 52.997 W
	- Point									

HOBBS OCD

JUL 05 2013

RECEIVED



COMPANY: Concho Oil and Gas
WELL: Triste Draw 5 Federal #2H
COUNTY: Lea County
DATUM: NAD 1927 (NADCON CONUS)
RIG: 7

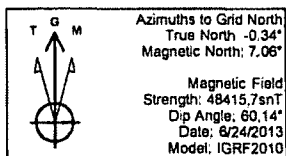


GRID CORRECTION: To convert a Magnetic Direction to a Grid Direction, Add 7.06°

OFFICE: 936.582.7296

GEODETTIC ZONE: New Mexico East 3001					
3628 GL + 18 @ 3846.0usft (Silver Oak 7)					
GROUND ELEVATION: 3828.0					
+N-S	+E-W	North	East	Latitude	Longitude
0.0	0.0	456197.70	886077.03	32° 15' 9.404 N	103° 41' 56.676 W

PLAN SECTIONS										
Sec	MD	Inc	Azi	TVD	+N-S	+E-W	Diag	TFace	VSeet	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	8022.5	0.00	0.00	8022.5	0.0	0.0	0.00	0.00	0.0	
3	8774.8	90.28	175.71	8500.0	-478.4	35.9	12.00	175.71	479.8	
4	12882.4	90.28	175.71	8480.0	-4574.5	343.0	0.00	0.00	4587.3	EOL TristeDraw 5 FED #2H



HOBBS OCD
JUL 05 2013
RECEIVED

