

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTOCD Hobbs
HOBBS OCDFORM APPROVED
OMB NO. 1004-0135
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.*RECEIVED
JUN 10 2013

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well ☒ Oil Well ☐ Gas Well ☐ Other		5. Lease Serial No. NMLC061863A
2. Name of Operator DEVON ENERGY PRODUCTION CO., LP		6. If Indian, Allottee or Tribe Name
Contact: TRINA C COUCH E-Mail: TRINA.COUCH@DVN.COM		7. If Unit or CA/Agreement, Name and/or No.
3a. Address DEVON ENERGY PRODUCTION CO., LP 333 WEST OKLAHOMA CITY, OK 73102-5015		8. Well Name and No. TRIONYX 6 FEDERAL 6H
3b. Phone No. (include area code) 405-220-7202		9. API Well No. 30-025-40046
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 6 T25S R32E 200FSL 2260FEL		10. Field and Pool, or Exploratory 10245015CAT; BONE SPRING PADUCA; DELAWARE, NORTH
		11. County or Parish, and State LEA COUNTY 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	☒ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	Change to Original A
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	PD

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 recompletable 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 recompletion 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.)

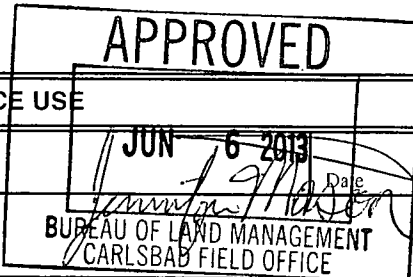
Devon Energy Production Company L.P. respectfully requests to change from the Bone Spring to the Delaware formation with the landing depth at 8335'. Devon has changed the drilling plan and survey to reflect this (see below).

**SUBJECT TO LIKE
APPROVAL BY STATE**

Attached are the following documents:
Drilling Plan
Directional Survey
C-102
BOP Double Ram Schematic

**SEE ATTACHED FOR
CONDITIONS OF APPROVAL**

14. I hereby certify that the foregoing is true and correct. Electronic Submission #208469 verified by the BLM Well Information System For DEVON ENERGY PRODUCTION CO., LP, sent to the Hobbs Committed to AFMSS for processing by JOHNNY DICKERSON on 05/30/2013 ()	
Name (Printed/Typed) TRINA C COUCH	Title REGULATORY ASSOCIATE
Signature (Electronic Submission)	Date 05/23/2013
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 to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.	

**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****

JUL 17 2013

TRIONYX 6 FED 6H – APD DRILLING PLAN
RJC 5.15.2013

Casing Program

<u>Hole Size</u>	<u>Hole Interval</u>	<u>OD Csg</u>	<u>Casing Interval</u>	<u>Weight</u>	<u>Collar</u>	<u>Grade</u>
17-1/2"	0 – 750	13-3/8"	0 – 750	48#	STC	H-40
12-1/4"	750 – 4,455	9-5/8"	0 – 4,375	40#	LTC	J-55
8-3/4"	4,455 – 7,500	5-1/2"	0 – 7,300	17#	LTC	HCP-110
8-3/4"	7,500 – 12,967	5-1/2"	7,300 – 12,967	17#	BTC	HCP-110

Maximum TVD: 8,350'

Design Factors:

<u>Casing Size</u>	<u>Collapse Design Factor</u>	<u>Burst Design Factor</u>	<u>Tension Design Factor</u>
13-3/8"	1.98	4.44	7.88
9-5/8" 40# J-55 LTC	1.83	1.71	22.17
5-1/2" 17# HCP-110 LTC	2.19	3.12	4.4
5-1/2" 17# HCP-110 BTC	1.91	2.73	2.48

Mud Program:

<u>Depth</u>	<u>Mud Wt.</u>	<u>Visc.</u>	<u>Fluid Loss</u>	<u>Type System</u>
0 – 750	8.4 – 9.0	30 – 34	N/C	FW
750 – 4,455	9.8 – 10.0	28 – 32	N/C	Brine
4,455 – 12,967	8.6 – 9.0	28 – 32	N/C	FW

Pressure Control Equipment:

The BOP system used to drill the intermediate hole will consist of a 13-5/8" 3M Double Ram and Annular preventer. The BOP system will be tested as per BLM Onshore Oil and Gas Order No. 2 as a **3M system** prior to drilling out the surface casing shoe.

The BOP system used to drill the production hole will consist of a 13-5/8" 3M Double Ram and Annular preventer. The BOP system will be tested as per BLM Onshore Oil and Gas Order No. 2 as a **3M system** prior to drilling out the intermediate casing shoe.

The pipe rams will be operated and checked each 24 hour period and each time the drill pipe is out of the hole. These tests will be logged in the daily driller's log. A 2" kill line and 3" choke line will be incorporated into the drilling spool below the ram BOP. In addition to the rams and annular preventer, additional BOP accessories include a kelly cock, floor safety valve, choke lines, and choke manifold rated at **3,000 psi WP**.

Cementing Program

13-3/8" Surface

Lead: 485 sacks Class C Cement + 2% bwoc Calcium Chloride + 0.125 lbs/sack Cello Flake + 4% bwoc Bentonite + 81.4% Fresh Water, 13.5 ppg,

Yield: 1.75 cf/sk

TOC @ surface.

Tail: 250 sacks Class C Cement + 2% bwoc Calcium Chloride + 0.125 lbs/sack Cello Flake + 56.3% Fresh Water, 14.8 ppg

Yield: 1.35 cf/sk

9-5/8" Intermediate

Lead: 1,200 sacks (35:65) Poz (Fly Ash):Class C Cement + 5% bwow Sodium Chloride + 0.125 lbs/sack Cello Flake + 6% bwoc Bentonite + 107.8% Fresh Water, 12.5 ppg

Yield: 2.04 cf/sk

TOC @ surface

Tail: 300 sacks (60:40) Poz (Fly Ash):Class C Cement + 5% bwow Sodium Chloride + 0.125 lbs/sack Cello Flake + 0.4% bwoc Sodium Metasilicate + 4% bwoc MPA-5 + 64.7% Water, 13.8 ppg

Yield: 1.37 cf/sk.

5-1/2" Production

1st Stage

Lead: 450 sacks (35:65) Poz (Fly Ash):Class H Cement + 5% bwow Sodium Chloride + 0.3% bwoc CD-32 + 0.5% bwoc FL-25 + 2% bwoc Bentonite + 0.6% bwoc Sodium Metasilicate + 0.5% bwoc FL-52A + 102.5% Fresh Water, 12.5 ppg

Yield: 2.01 cf/sk

Tail: 1,500 sacks (50:50) Poz (Fly Ash):Class H Cement + 1% bwow Sodium Chloride + 0.2% bwoc R-3 + 0.125 lbs/sack Cello Flake + 0.5% bwoc BA-10A + 4% bwoc MPA-5 + 58.3% Fresh Water, 14.2 ppg

Yield: 1.28 cf/sk

DV TOOL at 6,000 ft

2nd Stage

Lead: 250 sacks Class C Cement + 1% bwow Calcium Chloride + 0.125 lbs/sack Cello Flake + 157.8% Fresh Water, 11.4 ppg

Yield: 2.89 cf/sk

TOC @ 3,955 ft

Tail: 200 sacks (60:40) Poz (Fly Ash):Class C Cement + 1% bwow Sodium Chloride + 0.2% bwoc R-3 + 0.125 lbs/sack Cello Flake + 0.5% bwoc BA-10A + 4% bwoc MPA-5 + 63.2% Fresh Water, 13.8 ppg

Yield: 1.37cf/sk

TOC for All Strings:

Surface:	0
Intermediate:	0
Production:	3,955

ACTUAL CEMENT VOLUMES WILL BE ADJUSTED BASED ON FLUID CALIPER AND CALIPER LOG DATA.

DEVON ENERGY

Project: Lea County, NM (NAD-83)
 Site: Trionyx "6" Fed
 Well: 6H
 Wellbore: OH
 Design: Plan #1



Azimuths to Grid North
 True North: -0.33°
 Magnetic North: 7.08°

Magnetic Field
 Strength: 48366.3snT
 Dip Angle: 60.05°
 Date: 05/14/2013
 Model: IGRF2010



DESIGN TARGET DETAILS

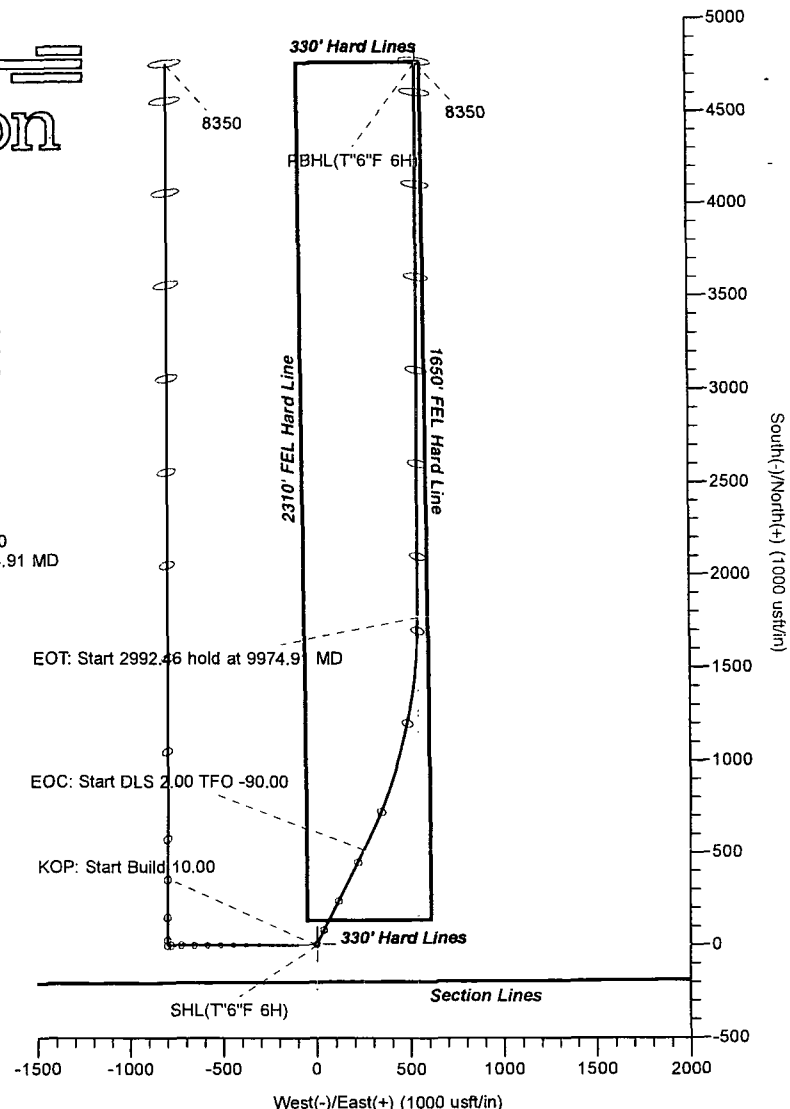
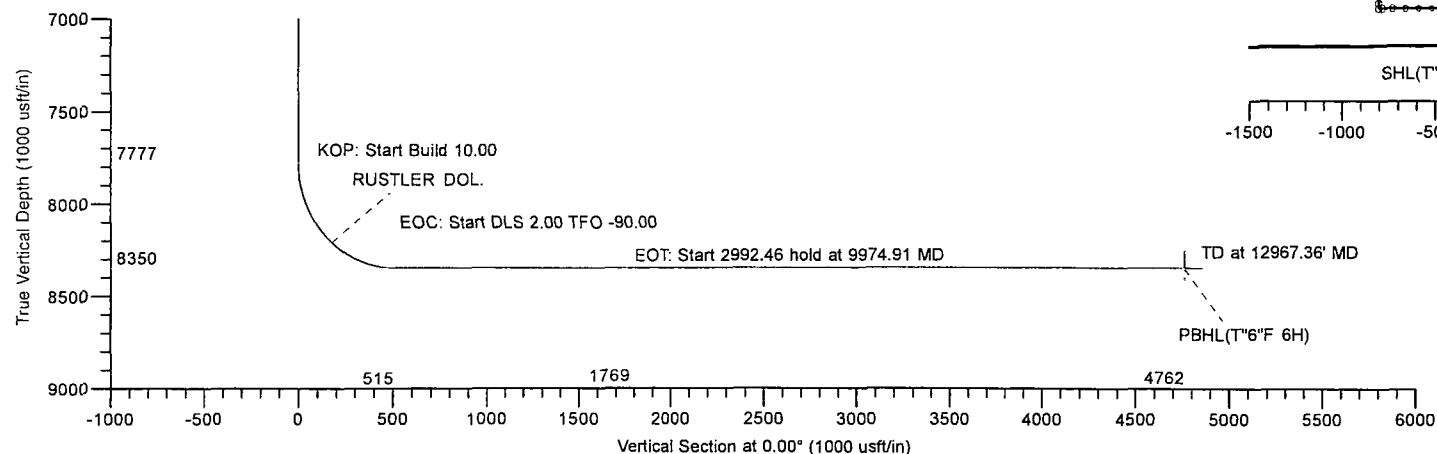
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
SHL(B-14-FC 4H)	-646.00	248632.99	-6387.93	668396.16	726910.15	32° 50' 9.559 N	103° 43' 44.930 W
SHL(T"6"F 6H)	0.00	0.00	0.00	419763.17	733298.08	32° 9' 8.954 N	103° 42' 47.010 W
PBHL(T"6"F 6H)	8350.00	4761.54	539.78	424524.71	733837.86	32° 9' 56.041 N	103° 42' 40.411 W

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Annotation
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	7777.04	0.00	0.00	7777.04	0.00	0.00	0.00	0.00	0.00	KOP: Start Build 10.00
3	8677.04	90.00	25.96	8350.00	515.16	250.78	10.00	25.96	515.16	EOC: Start DLS 2.00 TFO -90.00
4	9974.91	90.00	360.00	8350.00	1769.08	539.78	2.00	-90.00	1769.08	EOT: Start 2992.46 hold at 9974.91 MD
5	12967.36	90.00	360.00	8350.00	4761.54	539.78	0.00	0.00	4761.54	TD at 12967.36' MD

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
1089.00	1089.00	SALADO SALT
1178.00	1178.00	TOP OF SALT
4307.00	4307.00	BASE OF SALT
4549.00	4549.00	DELAWARE
4586.00	4586.00	BELL CANYON
5496.00	5496.00	CHERRY CANYON
6814.00	6814.00	QUATERNARY
8208.00	8264.82	RUSTLER DOL.



LEAM DRILLING SYSTEMS LLC
 2010 East Davis, Conroe, Texas 77301
 Phone: 936/756-7577, Fax 936/756-7595

Plan: Plan #1 (6H/OH)
 Trionyx "6" Fed
 Created By: Tyler Carlson Date: 17:06, May 14 2013
 Date: _____
 Approved: _____ Date: _____

LEAM Drilling Systems LLC

Planning Report

HOBBS OCD

JUN 10 2013

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well 6H
Company:	DEVON ENERGY	TVD Reference:	GE 3444' + KB 25' @ 3469.00usft (Original)
Project:	Lea County, NM (NAD-83)	MD Reference:	Well Elev:
Site:	Trionyx "6" Fed	North Reference:	GE 3444' + KB 25' @ 3469.00usft (Original)
Well:	6H	Survey Calculation Method:	Well Elev)
Wellbore:	OH		Grid
Design:	Plan #1		Minimum Curvature

Project	Lea County, NM (NAD-83)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	Trionyx "6" Fed		
Site Position:		Northing:	419,774.49 usft
From:	Map	Easting:	734,923.10 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16"
		Latitude:	32° 9' 8.973 N
		Longitude:	103° 42' 28.107 W
		Grid Convergence:	0.33 °

Well:	6H		
Well Position	+N/-S	-11.32 usft	Northing:
	+E/-W	-1,625.02 usft	Easting:
Position Uncertainty	0.00 usft	Wellhead Elevation:	Ground Level:
			3,444.00 usft

Wellbore:	OH		
Magnetics	Model Name	Sample Date	Declination
			(°)
	IGRF2010	05/14/13	7.41
			Dip Angle
			(°)
			60.05
			Field Strength
			(nT)
			48,366

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

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	
7,777.04	0.00	0.00	7,777.04	0.00	0.00	0.00	0.00	0.00	0.00	
8,677.04	90.00	25.96	8,350.00	515.16	250.78	10.00	10.00	0.00	25.96	
9,974.91	90.00	360.00	8,350.00	1,769.08	539.78	2.00	0.00	-2.00	-90.00	
12,967.36	90.00	360.00	8,350.00	4,761.54	539.78	0.00	0.00	0.00	0.00	PBHL(T"6" F 6H)

LEAM Drilling Systems LLC

Planning Report

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well 6H
Company:	DEVON ENERGY	TVD Reference:	GE 3444' + KB 25' @ 3469.00usft (Original Well Elev)
Project:	Lea County, NM (NAD-83)	MD Reference:	GE 3444' + KB 25' @ 3469.00usft (Original Well Elev)
Site:	Trionyx "B" Fed	North Reference:	Grid
Well:	6H	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)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00	
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00	
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00	
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00	
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00	
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00	
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00	
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,089.00	0.00	0.00	1,089.00	0.00	0.00	0.00	0.00	0.00	0.00	
SALADO SALT										
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,178.00	0.00	0.00	1,178.00	0.00	0.00	0.00	0.00	0.00	0.00	
TOP OF SALT										
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,100.00	0.00	0.00	2,100.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,200.00	0.00	0.00	2,200.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,300.00	0.00	0.00	2,300.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,400.00	0.00	0.00	2,400.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,500.00	0.00	0.00	2,500.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,600.00	0.00	0.00	2,600.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,700.00	0.00	0.00	2,700.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,800.00	0.00	0.00	2,800.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,900.00	0.00	0.00	2,900.00	0.00	0.00	0.00	0.00	0.00	0.00	
3,000.00	0.00	0.00	3,000.00	0.00	0.00	0.00	0.00	0.00	0.00	
3,100.00	0.00	0.00	3,100.00	0.00	0.00	0.00	0.00	0.00	0.00	
3,200.00	0.00	0.00	3,200.00	0.00	0.00	0.00	0.00	0.00	0.00	
3,300.00	0.00	0.00	3,300.00	0.00	0.00	0.00	0.00	0.00	0.00	
3,400.00	0.00	0.00	3,400.00	0.00	0.00	0.00	0.00	0.00	0.00	
3,500.00	0.00	0.00	3,500.00	0.00	0.00	0.00	0.00	0.00	0.00	
3,600.00	0.00	0.00	3,600.00	0.00	0.00	0.00	0.00	0.00	0.00	
3,700.00	0.00	0.00	3,700.00	0.00	0.00	0.00	0.00	0.00	0.00	
3,800.00	0.00	0.00	3,800.00	0.00	0.00	0.00	0.00	0.00	0.00	
3,900.00	0.00	0.00	3,900.00	0.00	0.00	0.00	0.00	0.00	0.00	
4,000.00	0.00	0.00	4,000.00	0.00	0.00	0.00	0.00	0.00	0.00	
4,100.00	0.00	0.00	4,100.00	0.00	0.00	0.00	0.00	0.00	0.00	
4,200.00	0.00	0.00	4,200.00	0.00	0.00	0.00	0.00	0.00	0.00	
4,300.00	0.00	0.00	4,300.00	0.00	0.00	0.00	0.00	0.00	0.00	
4,307.00	0.00	0.00	4,307.00	0.00	0.00	0.00	0.00	0.00	0.00	
BASE OF SALT										
4,400.00	0.00	0.00	4,400.00	0.00	0.00	0.00	0.00	0.00	0.00	
4,500.00	0.00	0.00	4,500.00	0.00	0.00	0.00	0.00	0.00	0.00	

LEAM Drilling Systems LLC

Planning Report

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well 6H
Company:	DEVON ENERGY	TVD Reference:	GE 3444' + KB 25' @ 3469.00usft (Original Well Elev)
Project:	Lea County, NM (NAD-83)	MD Reference:	GE 3444' + KB 25' @ 3469.00usft (Original Well Elev)
Site:	Trionyx "6" Fed	North Reference:	Grid
Well:	6H	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)
4,549.00	0.00	0.00	4,549.00	0.00	0.00	0.00	0.00	0.00	0.00
DELAWARE									
4,586.00	0.00	0.00	4,586.00	0.00	0.00	0.00	0.00	0.00	0.00
BELL CANYON									
4,600.00	0.00	0.00	4,600.00	0.00	0.00	0.00	0.00	0.00	0.00
4,700.00	0.00	0.00	4,700.00	0.00	0.00	0.00	0.00	0.00	0.00
4,800.00	0.00	0.00	4,800.00	0.00	0.00	0.00	0.00	0.00	0.00
4,900.00	0.00	0.00	4,900.00	0.00	0.00	0.00	0.00	0.00	0.00
5,000.00	0.00	0.00	5,000.00	0.00	0.00	0.00	0.00	0.00	0.00
5,100.00	0.00	0.00	5,100.00	0.00	0.00	0.00	0.00	0.00	0.00
5,200.00	0.00	0.00	5,200.00	0.00	0.00	0.00	0.00	0.00	0.00
5,300.00	0.00	0.00	5,300.00	0.00	0.00	0.00	0.00	0.00	0.00
5,400.00	0.00	0.00	5,400.00	0.00	0.00	0.00	0.00	0.00	0.00
5,496.00	0.00	0.00	5,496.00	0.00	0.00	0.00	0.00	0.00	0.00
CHERRY CANYON									
5,500.00	0.00	0.00	5,500.00	0.00	0.00	0.00	0.00	0.00	0.00
5,600.00	0.00	0.00	5,600.00	0.00	0.00	0.00	0.00	0.00	0.00
5,700.00	0.00	0.00	5,700.00	0.00	0.00	0.00	0.00	0.00	0.00
5,800.00	0.00	0.00	5,800.00	0.00	0.00	0.00	0.00	0.00	0.00
5,900.00	0.00	0.00	5,900.00	0.00	0.00	0.00	0.00	0.00	0.00
6,000.00	0.00	0.00	6,000.00	0.00	0.00	0.00	0.00	0.00	0.00
6,100.00	0.00	0.00	6,100.00	0.00	0.00	0.00	0.00	0.00	0.00
6,200.00	0.00	0.00	6,200.00	0.00	0.00	0.00	0.00	0.00	0.00
6,300.00	0.00	0.00	6,300.00	0.00	0.00	0.00	0.00	0.00	0.00
6,400.00	0.00	0.00	6,400.00	0.00	0.00	0.00	0.00	0.00	0.00
6,500.00	0.00	0.00	6,500.00	0.00	0.00	0.00	0.00	0.00	0.00
6,600.00	0.00	0.00	6,600.00	0.00	0.00	0.00	0.00	0.00	0.00
6,700.00	0.00	0.00	6,700.00	0.00	0.00	0.00	0.00	0.00	0.00
6,800.00	0.00	0.00	6,800.00	0.00	0.00	0.00	0.00	0.00	0.00
6,814.00	0.00	0.00	6,814.00	0.00	0.00	0.00	0.00	0.00	0.00
QUATERNARY									
6,900.00	0.00	0.00	6,900.00	0.00	0.00	0.00	0.00	0.00	0.00
7,000.00	0.00	0.00	7,000.00	0.00	0.00	0.00	0.00	0.00	0.00
7,100.00	0.00	0.00	7,100.00	0.00	0.00	0.00	0.00	0.00	0.00
7,200.00	0.00	0.00	7,200.00	0.00	0.00	0.00	0.00	0.00	0.00
7,300.00	0.00	0.00	7,300.00	0.00	0.00	0.00	0.00	0.00	0.00
7,400.00	0.00	0.00	7,400.00	0.00	0.00	0.00	0.00	0.00	0.00
7,500.00	0.00	0.00	7,500.00	0.00	0.00	0.00	0.00	0.00	0.00
7,600.00	0.00	0.00	7,600.00	0.00	0.00	0.00	0.00	0.00	0.00
7,700.00	0.00	0.00	7,700.00	0.00	0.00	0.00	0.00	0.00	0.00
7,777.04	0.00	0.00	7,777.04	0.00	0.00	0.00	0.00	0.00	0.00
KOP: Start Build 10.00									
7,800.00	2.30	25.96	7,799.99	0.41	0.20	0.41	10.00	10.00	0.00
7,850.00	7.30	25.96	7,849.80	4.17	2.03	4.17	10.00	10.00	0.00
7,900.00	12.30	25.96	7,899.06	11.82	5.75	11.82	10.00	10.00	0.00
7,950.00	17.30	25.96	7,947.39	23.29	11.34	23.29	10.00	10.00	0.00
8,000.00	22.30	25.96	7,994.42	38.51	18.75	38.51	10.00	10.00	0.00
8,050.00	27.30	25.96	8,039.79	57.36	27.92	57.36	10.00	10.00	0.00
8,100.00	32.30	25.96	8,083.17	79.69	38.80	79.69	10.00	10.00	0.00
8,150.00	37.30	25.96	8,124.21	105.34	51.28	105.34	10.00	10.00	0.00
8,200.00	42.30	25.96	8,162.62	134.11	65.28	134.11	10.00	10.00	0.00

LEAM Drilling Systems LLC

Planning Report

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well 6H
Company:	DEVON ENERGY	TVD Reference:	GE 3444' + KB 25' @ 3469.00usft (Original Well Elev)
Project:	Lea County, NM (NAD-83)	MD Reference:	GE 3444' + KB 25' @ 3469.00usft (Original Well Elev)
Site:	Trionyx "6" Fed	North Reference:	Grid
Well:	6H	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)
8,250.00	47.30	25.96	8,198.09	165.77	80.70	165.77	10.00	10.00	0.00
8,264.82	48.78	25.96	8,208.00	175.68	85.52	175.68	10.00	10.00	0.00
RUSTLER DOL.									
8,300.00	52.30	25.96	8,230.35	200.09	97.41	200.09	10.00	10.00	0.00
8,350.00	57.30	25.96	8,259.17	236.82	115.28	236.82	10.00	10.00	0.00
8,400.00	62.30	25.96	8,284.32	275.66	134.19	275.66	10.00	10.00	0.00
8,450.00	67.30	25.96	8,305.60	316.32	153.99	316.32	10.00	10.00	0.00
8,500.00	72.30	25.96	8,322.86	358.50	174.52	358.50	10.00	10.00	0.00
8,550.00	77.30	25.96	8,335.97	401.87	195.63	401.87	10.00	10.00	0.00
8,600.00	82.30	25.96	8,344.83	446.10	217.16	446.10	10.00	10.00	0.00
8,650.00	87.30	25.96	8,349.36	490.85	238.95	490.85	10.00	10.00	0.00
8,677.04	90.00	25.96	8,350.00	515.16	250.78	515.16	10.00	10.00	0.00
EOC: Start DLS 2.00 TFO -90.00									
8,700.00	90.00	25.50	8,350.00	535.84	260.75	535.84	2.00	0.00	-2.00
8,800.00	90.00	23.50	8,350.00	626.83	302.21	626.83	2.00	0.00	-2.00
8,900.00	90.00	21.50	8,350.00	719.22	340.48	719.22	2.00	0.00	-2.00
9,000.00	90.00	19.50	8,350.00	812.88	375.49	812.88	2.00	0.00	-2.00
9,100.00	90.00	17.50	8,350.00	907.71	407.22	907.71	2.00	0.00	-2.00
9,200.00	90.00	15.50	8,350.00	1,003.59	435.62	1,003.59	2.00	0.00	-2.00
9,300.00	90.00	13.50	8,350.00	1,100.40	460.65	1,100.40	2.00	0.00	-2.00
9,400.00	90.00	11.50	8,350.00	1,198.02	482.29	1,198.02	2.00	0.00	-2.00
9,500.00	90.00	9.50	8,350.00	1,296.34	500.51	1,296.34	2.00	0.00	-2.00
9,600.00	90.00	7.50	8,350.00	1,395.24	515.29	1,395.24	2.00	0.00	-2.00
9,700.00	90.00	5.50	8,350.00	1,494.59	526.60	1,494.59	2.00	0.00	-2.00
9,800.00	90.00	3.50	8,350.00	1,594.28	534.45	1,594.28	2.00	0.00	-2.00
9,900.00	90.00	1.50	8,350.00	1,694.18	538.80	1,694.18	2.00	0.00	-2.00
9,974.91	90.00	360.00	8,350.00	1,769.08	539.78	1,769.08	2.00	0.00	-2.00
EOT: Start 2992.46 hold at 9974.91 MD									
10,000.00	90.00	360.00	8,350.00	1,794.17	539.78	1,794.17	0.00	0.00	0.00
10,100.00	90.00	360.00	8,350.00	1,894.17	539.78	1,894.17	0.00	0.00	0.00
10,200.00	90.00	360.00	8,350.00	1,994.17	539.78	1,994.17	0.00	0.00	0.00
10,300.00	90.00	360.00	8,350.00	2,094.17	539.78	2,094.17	0.00	0.00	0.00
10,400.00	90.00	360.00	8,350.00	2,194.17	539.78	2,194.17	0.00	0.00	0.00
10,500.00	90.00	360.00	8,350.00	2,294.17	539.78	2,294.17	0.00	0.00	0.00
10,600.00	90.00	360.00	8,350.00	2,394.17	539.78	2,394.17	0.00	0.00	0.00
10,700.00	90.00	360.00	8,350.00	2,494.17	539.78	2,494.17	0.00	0.00	0.00
10,800.00	90.00	360.00	8,350.00	2,594.17	539.78	2,594.17	0.00	0.00	0.00
10,900.00	90.00	360.00	8,350.00	2,694.17	539.78	2,694.17	0.00	0.00	0.00
11,000.00	90.00	360.00	8,350.00	2,794.17	539.78	2,794.17	0.00	0.00	0.00
11,100.00	90.00	360.00	8,350.00	2,894.17	539.78	2,894.17	0.00	0.00	0.00
11,200.00	90.00	360.00	8,350.00	2,994.17	539.78	2,994.17	0.00	0.00	0.00
11,300.00	90.00	360.00	8,350.00	3,094.17	539.78	3,094.17	0.00	0.00	0.00
11,400.00	90.00	360.00	8,350.00	3,194.17	539.78	3,194.17	0.00	0.00	0.00
11,500.00	90.00	360.00	8,350.00	3,294.17	539.78	3,294.17	0.00	0.00	0.00
11,600.00	90.00	360.00	8,350.00	3,394.17	539.78	3,394.17	0.00	0.00	0.00
11,700.00	90.00	360.00	8,350.00	3,494.17	539.78	3,494.17	0.00	0.00	0.00
11,800.00	90.00	360.00	8,350.00	3,594.17	539.78	3,594.17	0.00	0.00	0.00
11,900.00	90.00	360.00	8,350.00	3,694.17	539.78	3,694.17	0.00	0.00	0.00
12,000.00	90.00	360.00	8,350.00	3,794.17	539.78	3,794.17	0.00	0.00	0.00
12,100.00	90.00	360.00	8,350.00	3,894.17	539.78	3,894.17	0.00	0.00	0.00
12,200.00	90.00	360.00	8,350.00	3,994.17	539.78	3,994.17	0.00	0.00	0.00
12,300.00	90.00	360.00	8,350.00	4,094.17	539.78	4,094.17	0.00	0.00	0.00

LEAM Drilling Systems LLC

Planning Report

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well 6H
Company:	DEVON ENERGY	TVD Reference:	GE 3444' + KB 25' @ 3469.00usft (Original Well Elev)
Project:	Lea County, NM (NAD-83)	MD-Reference:	GE 3444' + KB 25' @ 3469.00usft (Original Well Elev)
Site:	Trionyx "6" Fed	North Reference:	Grid
Well:	6H	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)
12,400.00	90.00	360.00	8,350.00	4,194.17	539.78	4,194.17	0.00	0.00	0.00
12,500.00	90.00	360.00	8,350.00	4,294.17	539.78	4,294.17	0.00	0.00	0.00
12,600.00	90.00	360.00	8,350.00	4,394.17	539.78	4,394.17	0.00	0.00	0.00
12,700.00	90.00	360.00	8,350.00	4,494.17	539.78	4,494.17	0.00	0.00	0.00
12,800.00	90.00	360.00	8,350.00	4,594.17	539.78	4,594.17	0.00	0.00	0.00
12,900.00	90.00	360.00	8,350.00	4,694.17	539.78	4,694.17	0.00	0.00	0.00
12,967.36	90.00	360.00	8,350.00	4,761.54	539.78	4,761.54	0.00	0.00	0.00
TD at 12967.36' MD									

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									
SHL(T"6"F 6H)	0.00	0.00	0.00	0.00	0.00	419,763.17	733,298.08	32° 9' 8.954 N	103° 42' 47.010 W
- plan hits target center									
- Point									
PBHL(T"6"F 6H)	0.00	0.00	8,350.00	4,761.54	539.78	424,524.71	733,837.86	32° 9' 56.041 N	103° 42' 40.411 W
- plan hits target center									
- Point									

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
1,089.00	1,089.00	SALADO SALT		0.00		
1,178.00	1,178.00	TOP OF SALT		0.00		
4,307.00	4,307.00	BASE OF SALT		0.00		
4,549.00	4,549.00	DELAWARE		0.00		
4,586.00	4,586.00	BELL CANYON		0.00		
5,496.00	5,496.00	CHERRY CANYON		0.00		
6,814.00	6,814.00	QUATERNARY		0.00		
8,264.82	8,208.00	RUSTLER DOL.		0.00		

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
7,777.04	7,777.04	0.00	0.00	KOP: Start Build 10.00	
8,677.04	8,350.00	515.16	250.78	EOC: Start DLS 2.00 TFO -90.00	
9,974.91	8,350.00	1,769.08	539.78	EOT: Start 2992.46 hold at 9974.91 MD	
12,967.36	8,350.00	4,761.54	539.78	TD at 12967.36' MD	

DEVON ENERGY

Lea County, NM (NAD-83)

Trionyx "6' Fed

6H

OH

Plan #1

HOBBS OCD

JUN 10 2013

RECEIVED

Anticollision Report

14 May, 2013

Anticollision Report

Offset Design										Offset Site Error:		0.00 usft	
Survey Program: 0-LEAM MWD										Offset Well Error:		0.00 usft	
Reference		Offset		Semi Major Axis			Distance				Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore +N/-S (usft)	Centre +E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)		Minimum Separation (usft)	Separation Factor
0.00	0.00	1.00	0.00	0.00	0.00	-90.39	-0.68	-100.06	100.06				
100.00	100.00	101.00	100.00	0.08	0.09	-90.39	-0.68	-100.06	100.06	99.89	0.17	585.768	
200.00	200.00	201.00	200.00	0.31	0.31	-90.39	-0.68	-100.06	100.06	99.44	0.62	161.299	
300.00	300.00	301.00	300.00	0.53	0.54	-90.39	-0.68	-100.06	100.06	98.99	1.07	93.526	
400.00	400.00	401.00	400.00	0.76	0.76	-90.39	-0.68	-100.06	100.06	98.54	1.52	65.856	
500.00	500.00	501.00	500.00	0.98	0.99	-90.39	-0.68	-100.06	100.06	98.09	1.97	50.820	
600.00	600.00	601.00	600.00	1.21	1.21	-90.39	-0.68	-100.06	100.06	97.64	2.42	41.374	
700.00	700.00	701.00	700.00	1.43	1.44	-90.39	-0.68	-100.06	100.06	97.19	2.87	34.889	
800.00	800.00	801.00	800.00	1.66	1.66	-90.39	-0.68	-100.06	100.06	96.74	3.32	30.162	
900.00	900.00	901.00	900.00	1.88	1.88	-90.39	-0.68	-100.06	100.06	96.30	3.77	26.562	
1,000.00	1,000.00	1,001.00	1,000.00	2.11	2.11	-90.39	-0.68	-100.06	100.06	95.85	4.22	23.731	
1,100.00	1,100.00	1,101.00	1,100.00	2.33	2.33	-90.39	-0.68	-100.06	100.06	95.40	4.67	21.444	
1,200.00	1,200.00	1,201.00	1,200.00	2.56	2.56	-90.39	-0.68	-100.06	100.06	94.95	5.12	19.560	
1,300.00	1,300.00	1,301.00	1,300.00	2.78	2.78	-90.39	-0.68	-100.06	100.06	94.50	5.57	17.980	
1,400.00	1,400.00	1,401.00	1,400.00	3.01	3.01	-90.39	-0.68	-100.06	100.06	94.05	6.01	16.636	
1,500.00	1,500.00	1,501.00	1,500.00	3.23	3.23	-90.39	-0.68	-100.06	100.06	93.60	6.46	15.479	
1,600.00	1,600.00	1,601.00	1,600.00	3.46	3.46	-90.39	-0.68	-100.06	100.06	93.15	6.91	14.473	
1,700.00	1,700.00	1,701.00	1,700.00	3.68	3.68	-90.39	-0.68	-100.06	100.06	92.70	7.36	13.589	
1,800.00	1,800.00	1,801.00	1,800.00	3.91	3.91	-90.39	-0.68	-100.06	100.06	92.25	7.81	12.807	
1,900.00	1,900.00	1,901.00	1,900.00	4.13	4.13	-90.39	-0.68	-100.06	100.06	91.80	8.26	12.111	
2,000.00	2,000.00	2,001.00	2,000.00	4.35	4.36	-90.39	-0.68	-100.06	100.06	91.35	8.71	11.486	
2,100.00	2,100.00	2,101.00	2,100.00	4.58	4.58	-90.39	-0.68	-100.06	100.06	90.90	9.16	10.922	
2,200.00	2,200.00	2,201.00	2,200.00	4.80	4.81	-90.39	-0.68	-100.06	100.06	90.45	9.61	10.411	

COMPASS 5000.1 Build 56

LEAM Drilling Systems LLC

Anticollision Report

Company:	DEVON ENERGY	Local Co-ordinate Reference:	Well 6H
Project:	Lea County, NM (NAD-83)	TVD Reference:	GE 3444' + KB 25' @ 3469.00usft (Original Well Elev)
Reference Site:	Trionyx "6" Fed	MD Reference:	GE 3444' + KB 25' @ 3469.00usft (Original Well Elev)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	6H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore:	OH	Database:	EDM 5000.1 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Reference Datum

Offset Design Trionyx "6" Fed - 4H - OH - Plan #1													Offset Site Error:	0.00 usft
Survey Program: 0-LEAM MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance							Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset-Wellbore Centre +N/-S (usft)	Offset-Wellbore Centre +E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
2,300.00	2,300.00	2,301.00	2,300.00	5.03	5.03	-90.39	-0.68	-100.06	100.06	90.00	10.06	9.946	CC, ES	
2,400.00	2,400.00	2,397.73	2,396.71	5.25	5.24	-90.38	-0.68	-101.56	101.62	91.13	10.49	9.687		
2,500.00	2,500.00	2,494.11	2,492.97	5.48	5.43	-90.37	-0.68	-106.30	106.53	95.63	10.91	9.768		
2,600.00	2,600.00	2,590.07	2,588.60	5.70	5.63	-90.34	-0.68	-114.23	114.80	103.48	11.33	10.136		
2,700.00	2,700.00	2,685.38	2,683.27	5.93	5.84	-90.31	-0.68	-125.28	126.39	114.64	11.75	10.759		
2,800.00	2,800.00	2,783.54	2,780.48	6.15	6.06	-90.28	-0.68	-138.87	140.24	128.06	12.18	11.516		
2,900.00	2,900.00	2,882.57	2,878.54	6.38	6.30	-90.26	-0.68	-152.65	154.16	141.54	12.61	12.222		
3,000.00	3,000.00	2,981.60	2,976.61	6.60	6.55	-90.23	-0.68	-166.44	168.07	155.02	13.05	12.879		
3,100.00	3,100.00	3,080.62	3,074.67	6.83	6.80	-90.22	-0.68	-180.22	181.99	168.50	13.49	13.489		
3,200.00	3,200.00	3,179.65	3,172.73	7.05	7.06	-90.20	-0.68	-194.00	195.91	181.97	13.94	14.058		
3,300.00	3,300.00	3,278.68	3,270.80	7.28	7.33	-90.19	-0.68	-207.78	209.83	195.45	14.38	14.589		
3,400.00	3,400.00	3,377.70	3,368.86	7.50	7.60	-90.18	-0.68	-221.57	223.75	208.91	14.83	15.085		
3,500.00	3,500.00	3,476.73	3,466.92	7.73	7.88	-90.17	-0.68	-235.35	237.66	222.38	15.28	15.550		
3,600.00	3,600.00	3,575.76	3,564.98	7.95	8.16	-90.16	-0.68	-249.13	251.58	235.85	15.74	15.987		
3,700.00	3,700.00	3,674.79	3,663.05	8.18	8.44	-90.15	-0.68	-262.92	265.50	249.31	16.19	16.397		
3,800.00	3,800.00	3,773.81	3,761.11	8.40	8.73	-90.14	-0.68	-276.70	279.42	262.77	16.65	16.782		
3,900.00	3,900.00	3,872.84	3,859.17	8.63	9.02	-90.13	-0.68	-290.48	293.34	276.23	17.11	17.146		
4,000.00	4,000.00	3,971.87	3,957.24	8.85	9.32	-90.13	-0.68	-304.26	307.25	289.69	17.57	17.489		
4,100.00	4,100.00	4,070.89	4,055.30	9.07	9.62	-90.12	-0.68	-318.05	321.17	303.14	18.03	17.814		
4,200.00	4,200.00	4,169.92	4,153.36	9.30	9.92	-90.12	-0.68	-331.83	335.09	316.60	18.49	18.121		
4,300.00	4,300.00	4,268.95	4,251.42	9.52	10.22	-90.11	-0.68	-345.61	349.01	330.05	18.96	18.412		
4,400.00	4,400.00	4,367.97	4,349.49	9.75	10.52	-90.11	-0.68	-359.39	362.93	343.51	19.42	18.688		
4,500.00	4,500.00	4,467.00	4,447.55	9.97	10.83	-90.10	-0.68	-373.18	376.84	356.96	19.89	18.950		
4,600.00	4,600.00	4,566.03	4,545.61	10.20	11.14	-90.10	-0.68	-386.96	390.76	370.41	20.35	19.199		
4,700.00	4,700.00	4,665.05	4,643.68	10.42	11.45	-90.10	-0.68	-400.74	404.68	383.86	20.82	19.436		
4,800.00	4,800.00	4,764.08	4,741.74	10.65	11.76	-90.09	-0.68	-414.52	418.60	397.31	21.29	19.663		
4,900.00	4,900.00	4,863.11	4,839.80	10.87	12.07	-90.09	-0.68	-428.31	432.52	410.76	21.76	19.879		
5,000.00	5,000.00	4,962.13	4,937.87	11.10	12.38	-90.09	-0.68	-442.09	446.43	424.21	22.23	20.085		
5,100.00	5,100.00	5,061.16	5,035.93	11.32	12.70	-90.09	-0.68	-455.87	460.35	437.66	22.70	20.282		
5,200.00	5,200.00	5,160.19	5,133.99	11.55	13.01	-90.08	-0.68	-469.65	474.27	451.10	23.17	20.470		
5,300.00	5,300.00	5,259.21	5,232.05	11.77	13.33	-90.08	-0.68	-483.44	488.19	464.55	23.64	20.651		
5,400.00	5,400.00	5,358.24	5,330.12	12.00	13.65	-90.08	-0.68	-497.22	502.11	477.99	24.11	20.824		
5,500.00	5,500.00	5,457.27	5,428.18	12.22	13.97	-90.08	-0.68	-511.00	516.03	491.44	24.58	20.990		
5,600.00	5,600.00	5,556.29	5,526.24	12.45	14.29	-90.07	-0.68	-524.78	529.94	504.89	25.06	21.149		
5,700.00	5,700.00	5,655.32	5,624.31	12.67	14.60	-90.07	-0.68	-538.57	543.86	518.33	25.53	21.302		
5,800.00	5,800.00	5,754.35	5,722.37	12.90	14.93	-90.07	-0.68	-552.35	557.78	531.77	26.00	21.449		
5,900.00	5,900.00	5,853.37	5,820.43	13.12	15.25	-90.07	-0.68	-566.13	571.70	545.22	26.48	21.590		
6,000.00	6,000.00	5,952.40	5,918.49	13.35	15.57	-90.07	-0.68	-579.92	585.62	558.66	26.95	21.727		
6,100.00	6,100.00	6,051.43	6,016.56	13.57	15.89	-90.07	-0.68	-593.70	599.53	572.11	27.43	21.858		
6,200.00	6,200.00	6,150.45	6,114.62	13.80	16.21	-90.06	-0.68	-607.48	613.45	585.55	27.90	21.985		
6,300.00	6,300.00	6,249.48	6,212.68	14.02	16.54	-90.06	-0.68	-621.26	627.37	598.99	28.38	22.107		
6,400.00	6,400.00	6,348.51	6,310.75	14.24	16.86	-90.06	-0.68	-635.05	641.29	612.43	28.86	22.224		
6,500.00	6,500.00	6,447.53	6,408.81	14.47	17.18	-90.06	-0.68	-648.83	655.21	625.87	29.33	22.338		
6,600.00	6,600.00	6,546.56	6,506.87	14.69	17.51	-90.06	-0.68	-662.61	669.12	639.32	29.81	22.448		
6,700.00	6,700.00	6,645.59	6,604.93	14.92	17.83	-90.06	-0.68	-676.39	683.04	652.76	30.28	22.554		
6,800.00	6,800.00	6,744.61	6,703.00	15.14	18.16	-90.06	-0.68	-690.18	696.96	666.20	30.76	22.657		
6,900.00	6,900.00	6,843.64	6,801.06	15.37	18.49	-90.06	-0.68	-703.96	710.88	679.64	31.24	22.757		
7,000.00	7,000.00	6,942.67	6,899.12	15.59	18.81	-90.05	-0.68	-717.74	724.80	693.08	31.72	22.853		
7,100.00	7,100.00	7,041.69	6,997.19	15.82	19.14	-90.05	-0.68	-731.52	738.71	706.52	32.19	22.946		
7,200.00	7,200.00	7,140.72	7,095.25	16.04	19.46	-90.05	-0.68	-745.31	752.63	719.96	32.67	23.037		
7,300.00	7,300.00	7,239.75	7,193.31	16.27	19.79	-90.05	-0.68	-759.09	766.55	733.40	33.15	23.125		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

LEAM Drilling Systems LLC

Anticollision Report

Company:	DEVON ENERGY	Local Co-ordinate Reference:	Well 6H
Project:	Lea County, NM-(NAD-83)	TVD Reference:	GE 3444' + KB 25' @ 3469.00usft (Original Well Elev)
Reference Site:	Trionyx "6" Fed	MD Reference:	GE 3444' + KB 25' @ 3469.00usft (Original Well Elev)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	6H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.1 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Reference Datum

Offset Design Trionyx "6" Fed - 4H - OH - Plan #1													Offset Site Error:	0.00 usft
Survey Program: O-LEAM MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance		Warning						
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
7,400.00	7,400.00	7,343.71	7,296.27	16.49	20.13	-90.05	-0.68	-773.50	780.43	746.79	33.64	23.203		
7,500.00	7,500.00	7,480.70	7,432.43	16.72	20.47	-90.05	-0.68	-788.46	791.35	757.19	34.15	23.171		
7,600.00	7,600.00	7,618.83	7,570.28	16.94	20.74	-90.05	-0.68	-796.93	797.48	762.84	34.64	23.021		
7,700.00	7,700.00	7,748.57	7,700.00	17.17	20.95	-90.05	-0.68	-798.92	798.92	763.82	35.10	22.762		
7,777.04	7,777.04	7,825.61	7,777.04	17.34	21.07	-90.05	-0.68	-798.92	798.92	763.50	35.42	22.557		
7,800.00	7,799.99	7,848.60	7,800.02	17.39	21.11	-115.98	-0.22	-798.92	799.12	764.33	34.79	22.970		
7,850.00	7,849.80	7,898.60	7,849.83	17.50	21.20	-115.79	3.96	-798.92	800.95	766.06	34.89	22.954		
7,900.00	7,899.06	7,948.43	7,898.93	17.62	21.29	-115.39	12.43	-798.92	804.67	769.72	34.96	23.020		
7,950.00	7,947.39	7,998.00	7,946.84	17.73	21.37	-114.80	25.06	-798.92	810.26	775.28	34.99	23.159		
8,000.00	7,994.42	8,047.20	7,993.15	17.84	21.46	-114.01	41.64	-798.92	817.68	782.67	35.00	23.361		
8,050.00	8,039.79	8,095.96	8,037.47	17.95	21.54	-113.03	61.92	-798.92	826.86	791.84	35.02	23.608		
8,100.00	8,083.17	8,144.21	8,079.47	18.07	21.63	-111.88	85.64	-798.92	837.75	802.67	35.07	23.885		
8,150.00	8,124.21	8,191.92	8,118.91	18.20	21.72	-110.55	112.48	-798.92	850.25	815.07	35.18	24.172		
8,200.00	8,162.62	8,239.08	8,155.55	18.35	21.82	-109.06	142.14	-798.92	864.27	828.93	35.34	24.453		
8,250.00	8,198.09	8,285.68	8,189.24	18.52	21.92	-107.43	174.32	-798.92	879.71	844.11	35.60	24.713		
8,300.00	8,230.35	8,331.74	8,219.87	18.72	22.04	-105.66	208.70	-798.92	896.43	860.49	35.94	24.944		
8,350.00	8,259.17	8,377.31	8,247.36	18.94	22.16	-103.77	245.04	-798.92	914.32	877.95	36.37	25.142		
8,400.00	8,284.32	8,422.45	8,271.65	19.20	22.30	-101.78	283.06	-798.92	933.23	896.35	36.88	25.308		
8,450.00	8,305.60	8,467.22	8,292.72	19.50	22.46	-99.70	322.56	-798.92	953.02	915.57	37.45	25.447		
8,500.00	8,322.86	8,511.72	8,310.54	19.83	22.64	-97.56	363.32	-798.92	973.53	935.45	38.08	25.568		
8,550.00	8,335.97	8,556.05	8,325.09	20.19	22.85	-95.39	405.18	-798.92	994.62	955.88	38.73	25.678		
8,600.00	8,344.83	8,600.00	8,336.29	20.59	23.08	-93.19	447.67	-798.92	1,016.12	976.71	39.41	25.784		
8,650.00	8,349.36	8,644.64	8,344.29	21.02	23.34	-91.00	491.57	-798.92	1,037.89	997.79	40.10	25.884		
8,677.04	8,350.00	8,668.68	8,347.17	21.26	23.49	-89.83	515.44	-798.92	1,049.71	1,009.24	40.47	25.937		
8,700.00	8,350.00	8,689.22	8,348.85	21.46	23.63	-89.93	535.91	-798.92	1,059.67	1,018.92	40.75	26.003		
8,800.00	8,350.00	8,780.17	8,350.00	22.38	24.30	-90.00	626.83	-798.92	1,101.13	1,059.00	42.14	26.132		
8,900.00	8,350.00	8,872.55	8,350.00	23.40	25.08	-90.00	719.22	-798.92	1,139.40	1,095.57	43.83	25.994		
9,000.00	8,350.00	8,966.21	8,350.00	24.50	25.97	-90.00	812.88	-798.92	1,174.41	1,128.61	45.81	25.639		
9,100.00	8,350.00	9,061.04	8,350.00	25.68	26.96	-90.00	907.71	-798.92	1,206.14	1,158.11	48.03	25.112		
9,200.00	8,350.00	9,156.92	8,350.00	26.92	28.04	-90.00	1,003.59	-798.92	1,234.54	1,184.06	50.47	24.458		
9,300.00	8,350.00	9,253.73	8,350.00	28.20	29.20	-90.00	1,100.40	-798.92	1,259.57	1,206.47	53.10	23.719		
9,400.00	8,350.00	9,351.36	8,350.00	29.52	30.43	-90.00	1,198.02	-798.92	1,281.21	1,225.33	55.88	22.926		
9,500.00	8,350.00	9,449.68	8,350.00	30.88	31.72	-90.00	1,296.34	-798.92	1,299.43	1,240.65	58.78	22.105		
9,600.00	8,350.00	9,548.57	8,350.00	32.26	33.07	-90.00	1,395.24	-798.92	1,314.21	1,252.43	61.78	21.274		
9,700.00	8,350.00	9,647.93	8,350.00	33.65	34.46	-90.00	1,494.59	-798.92	1,325.52	1,260.69	64.83	20.446		
9,800.00	8,350.00	9,747.61	8,350.00	35.07	35.90	-90.00	1,594.28	-798.92	1,333.37	1,265.44	67.93	19.630		
9,900.00	8,350.00	9,847.51	8,350.00	36.49	37.38	-90.00	1,694.18	-798.92	1,337.72	1,266.68	71.04	18.831		
9,974.91	8,350.00	9,922.41	8,350.00	37.57	38.50	-90.00	1,769.08	-798.92	1,338.70	1,265.33	73.37	18.246		
10,000.00	8,350.00	9,947.51	8,350.00	37.92	38.88	-90.00	1,794.17	-798.92	1,338.70	1,264.57	74.13	18.058		
10,100.00	8,350.00	10,047.51	8,350.00	39.32	40.41	-90.00	1,894.17	-798.92	1,338.70	1,261.55	77.15	17.352		
10,200.00	8,350.00	10,147.51	8,350.00	40.74	41.97	-90.00	1,994.17	-798.92	1,338.70	1,258.48	80.22	16.688		
10,300.00	8,350.00	10,247.51	8,350.00	42.19	43.54	-90.00	2,094.17	-798.92	1,338.70	1,255.37	83.34	16.064		
10,400.00	8,350.00	10,347.51	8,350.00	43.67	45.14	-90.00	2,194.17	-798.92	1,338.70	1,252.21	86.49	15.477		
10,500.00	8,350.00	10,447.51	8,350.00	45.18	46.75	-90.00	2,294.17	-798.92	1,338.70	1,249.02	89.69	14.926		
10,600.00	8,350.00	10,547.51	8,350.00	46.70	48.37	-90.00	2,394.17	-798.92	1,338.70	1,245.79	92.91	14.408		
10,700.00	8,350.00	10,647.51	8,350.00	48.25	50.01	-90.00	2,494.17	-798.92	1,338.70	1,242.53	96.17	13.920		
10,800.00	8,350.00	10,747.51	8,350.00	49.81	51.66	-90.00	2,594.17	-798.92	1,338.70	1,239.25	99.45	13.461		
10,900.00	8,350.00	10,847.51	8,350.00	51.39	53.32	-90.00	2,694.17	-798.92	1,338.70	1,235.94	102.76	13.027		
11,000.00	8,350.00	10,947.51	8,350.00	52.99	55.00	-90.00	2,794.17	-798.92	1,338.70	1,232.62	106.09	12.619		
11,100.00	8,350.00	11,047.51	8,350.00	54.60	56.68	-90.00	2,894.17	-798.92	1,338.70	1,229.27	109.44	12.233		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

LEAM Drilling Systems LLC
Anticollision Report

Company:	DEVON ENERGY	Local Co-ordinate Reference:	Well 6H
Project:	Lea County, NM (NAD-83)	TVD Reference:	GE 3444' + KB 25' @ 3469.00usft (Original Well Elev)
Reference Site:	Trionyx "6' Fed	MD Reference:	GE 3444' + KB 25' @ 3469.00usft (Original Well Elev)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	6H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.1 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Reference Datum

Offset Design Trionyx "6' Fed - 4H - OH - Plan #1												Offset Site Error:	0.00 usft
Survey Program: 0-LEAM MWD												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Minimum Separation (usft)	Separation Factor	Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)					
11,200.00	8,350.00	11,147.51	8,350.00	56.22	58.37	-90.00	2,994.17	-798.92	1,338.70	1,225.90	112.80	11.868	
11,300.00	8,350.00	11,247.51	8,350.00	57.86	60.06	-90.00	3,094.17	-798.92	1,338.70	1,222.52	116.19	11.522	
11,400.00	8,350.00	11,347.51	8,350.00	59.50	61.77	-90.00	3,194.17	-798.92	1,338.70	1,219.12	119.59	11.195	
11,500.00	8,350.00	11,447.51	8,350.00	61.16	63.48	-90.00	3,294.17	-798.92	1,338.70	1,215.71	123.00	10.884	
11,600.00	8,350.00	11,547.51	8,350.00	62.82	65.19	-90.00	3,394.17	-798.92	1,338.70	1,212.28	126.42	10.589	
11,700.00	8,350.00	11,647.51	8,350.00	64.49	66.91	-90.00	3,494.17	-798.92	1,338.70	1,208.85	129.86	10.309	
11,800.00	8,350.00	11,747.51	8,350.00	66.17	68.64	-90.00	3,594.17	-798.92	1,338.70	1,205.40	133.31	10.042	
11,900.00	8,350.00	11,847.51	8,350.00	67.86	70.37	-90.00	3,694.17	-798.92	1,338.70	1,201.94	136.76	9.788	
12,000.00	8,350.00	11,947.51	8,350.00	69.56	72.11	-90.00	3,794.17	-798.92	1,338.70	1,198.47	140.23	9.546	
12,100.00	8,350.00	12,047.51	8,350.00	71.26	73.85	-90.00	3,894.17	-798.92	1,338.70	1,195.00	143.71	9.316	
12,200.00	8,350.00	12,147.51	8,350.00	72.96	75.59	-90.00	3,994.17	-798.92	1,338.70	1,191.52	147.19	9.095	
12,300.00	8,350.00	12,247.51	8,350.00	74.67	77.34	-90.00	4,094.17	-798.92	1,338.70	1,188.02	150.68	8.884	
12,400.00	8,350.00	12,347.51	8,350.00	76.39	79.09	-90.00	4,194.17	-798.92	1,338.70	1,184.53	154.18	8.683	
12,500.00	8,350.00	12,447.51	8,350.00	78.11	80.84	-90.00	4,294.17	-798.92	1,338.70	1,181.02	157.68	8.490	
12,600.00	8,350.00	12,547.51	8,350.00	79.84	82.60	-90.00	4,394.17	-798.92	1,338.70	1,177.51	161.19	8.305	
12,700.00	8,350.00	12,647.51	8,350.00	81.57	84.36	-90.00	4,494.17	-798.92	1,338.70	1,174.00	164.71	8.128	
12,800.00	8,350.00	12,747.51	8,350.00	83.30	86.12	-90.00	4,594.17	-798.92	1,338.70	1,170.48	168.23	7.958	
12,900.00	8,350.00	12,847.51	8,350.00	85.04	87.88	-90.00	4,694.17	-798.92	1,338.70	1,166.95	171.75	7.794	
12,934.55	8,350.00	12,882.06	8,350.00	85.64	88.49	-90.00	4,728.72	-798.92	1,338.70	1,165.73	172.97	7.739	
12,967.36	8,350.00	12,902.99	8,350.00	86.21	88.86	-90.00	4,749.65	-798.92	1,338.76	1,164.84	173.92	7.697 SF	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation