

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Hobbs

FORM 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.

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
3a. Address 333 WEST SHERIDAN AVE OKLAHOMA CITY, OK 73102		7. If Unit or CA/Agreement, Name and/or No.
3b. Phone No. (include area code) Ph: 405-228-7203		8. Well Name and No. TRIONYX 6 FEDERAL 6H
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 6 T25S R32E SWSE 200FSL 2260FEL		9. API Well No. 30-025-40046-00-X1
		10. Field and Pool, or Exploratory UNDESIGNATED
		11. County or Parish, and State LEA 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 recomple 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 plug back and re-drill the curve on the subject well (API # 30-025-40046) changing the target TVD from 8,382 to 8,228.

Attached is the Directional Survey and the cement kick-off & isolation plug details.

Thank you

14. I hereby certify that the foregoing is true and correct. Electronic Submission #222050 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 10/17/2013 (14JLD0711SE)	
Name (Printed/Typed) TRINA C COUCH	Title REGULATORY ASSOCIATE
Signature (Electronic Submission)	Date 10/03/2013
THIS SPACE FOR FEDERAL OR STATE OFFICE USE	
Approved By CHRISTOPHER WALLS	Title PETROLEUM ENGINEER
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.	Date 10/17/2013
Office Hobbs	

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.

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

OCT 23 2013

Trionyx 6 Fed 6H

Plug Back/Kick-Off Information

(API: 30-025-40046)

Cement Plug Data: (15% Excess over Nominal)

Top of Plug: 7,000'MD

Bottom of Plug: 7,700'MD

HALCEM (TM) SYSTEM

0.3 % CFR-3 (Dispersant)

Fluid Weight	17 lbm/gal
Slurry Yield:	1.00 ft ³ /sk
Total Mixing Fluid:	3.93 Gal/sk
Top of Fluid:	7000 ft
Calculated Fill:	700 ft
Volume:	59.87 bbl
Calculated Sacks:	336 sks
Proposed Sacks:	340 sks

Directional Plan Information:

KOP – Start Time Drilling at 7200'

Maximum Allowable plug to be drilled during the Side-track is 300'.

DEVON ENERGY

Project: Lea County, NM (NAD-83)
Site: Trionyx "6" Fed
Well: 6H
Wellbore: ST01
Design: Plan #1

PROJECT DETAILS: Lea County, NM (NAD-83)
Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: New Mexico Eastern Zone



Azimuths to Grid North
True North: -0.33°
Magnetic North: 7.14°

Magnetic Field
Strength: 48313.4snT
Dip Angle: 60.03°
Date: 10/01/2013
Model: BGGM2013



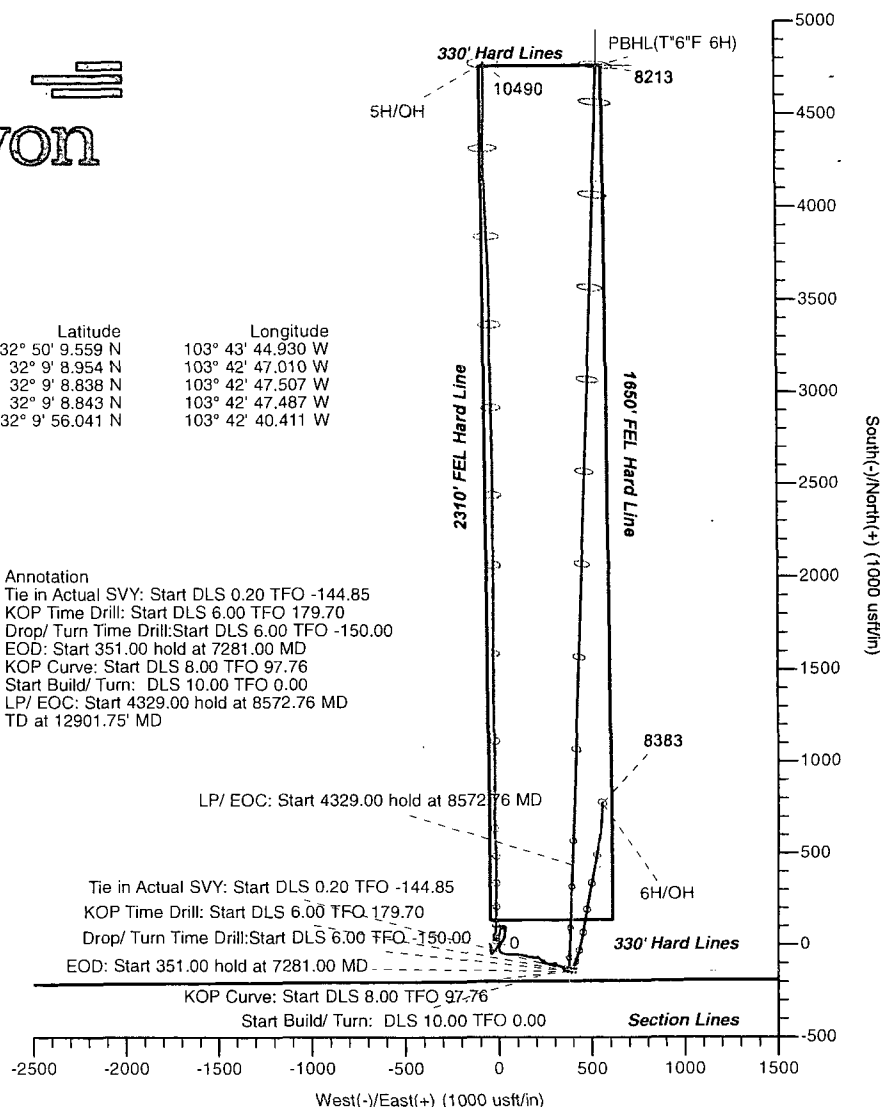
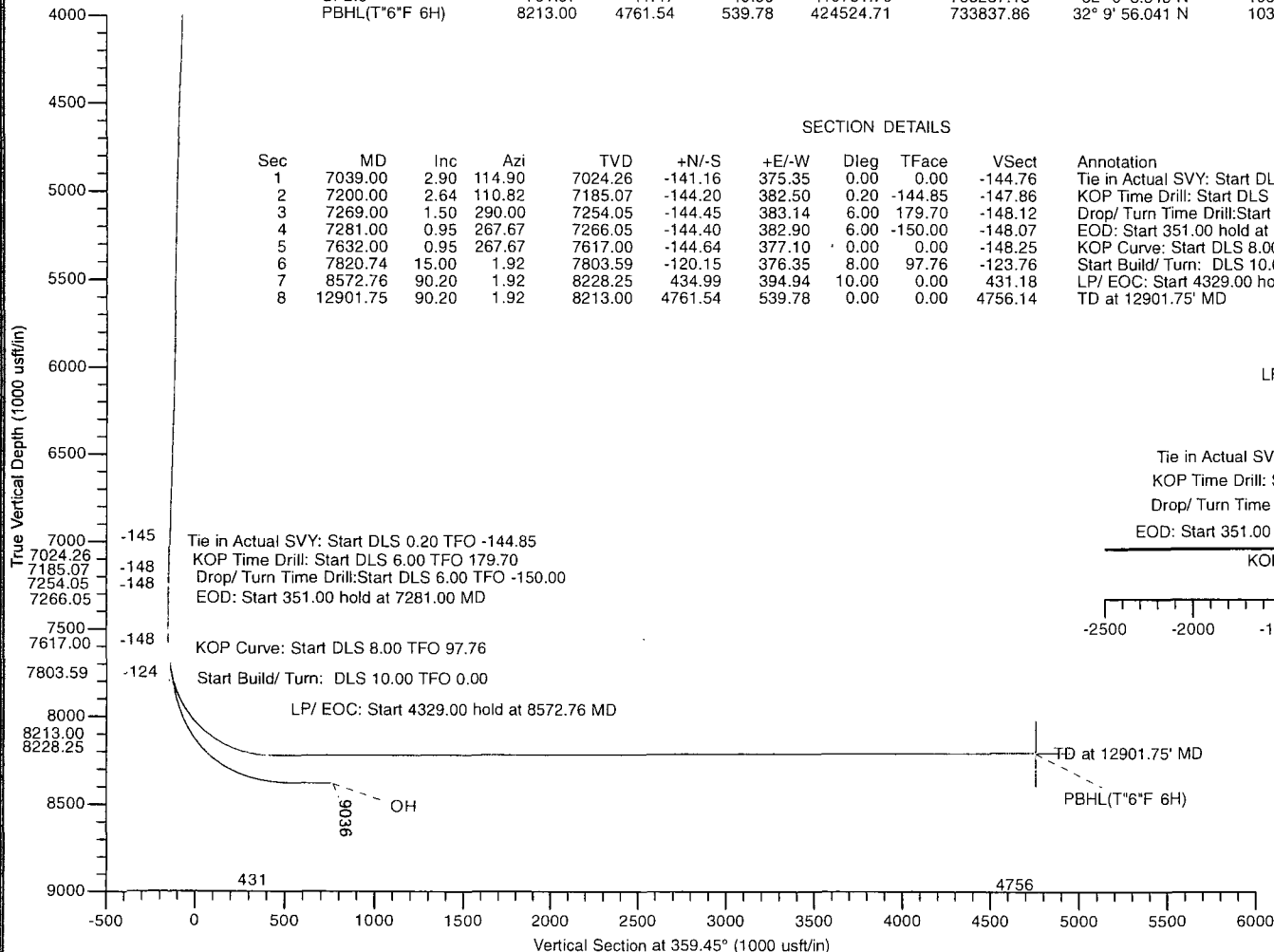
DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
SHL(B-14-FC 4H)	-643.00	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
SF 1.5	761.86	-11.96	-42.66	419751.21	733255.42	32° 9' 8.838 N	103° 42' 47.507 W
SF2.0	761.97	-11.47	-40.90	419751.70	733257.18	32° 9' 8.843 N	103° 42' 47.487 W
PBHL(T"6"F 6H)	8213.00	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
1	7039.00	2.90	114.90	7024.26	-141.16	375.35	0.00	0.00	-144.76
2	7200.00	2.64	110.82	7185.07	-144.20	382.50	0.20	-144.85	-147.86
3	7269.00	1.50	290.00	7254.05	-144.45	383.14	6.00	179.70	-148.12
4	7281.00	0.95	267.67	7266.05	-144.40	382.90	6.00	-150.00	-148.07
5	7632.00	0.95	267.67	7617.00	-144.64	377.10	0.00	0.00	-148.25
6	7820.74	15.00	1.92	7803.59	-120.15	376.35	8.00	97.76	-123.76
7	8572.76	90.20	1.92	8228.25	434.99	394.94	10.00	0.00	431.18
8	12901.75	90.20	1.92	8213.00	4761.54	539.78	0.00	0.00	4756.14

Annotation
Tie in Actual SVY: Start DLS 0.20 TFO -144.85
KOP Time Drill: Start DLS 6.00 TFO 179.70
Drop/ Turn Time Drill: Start DLS 6.00 TFO -150.00
EOD: Start 351.00 hold at 7281.00 MD
KOP Curve: Start DLS 8.00 TFO 97.76
Start Build/ Turn: DLS 10.00 TFO 0.00
LP/ EOC: Start 4329.00 hold at 8572.76 MD
TD at 12901.75' MD



LEAM DRILLING SYSTEMS LLC
2100 East Davis, Conroe, Texas 77301
Phone: 936/756-7577, Fax 936/756-7595

Plan: Plan #1 (6H/ST01)
Trionyx "6" Fed
Created By: Heber Claros Date: 15:44, October 01 2013
Date: _____
Approved: _____ Date: _____

DEVON ENERGY

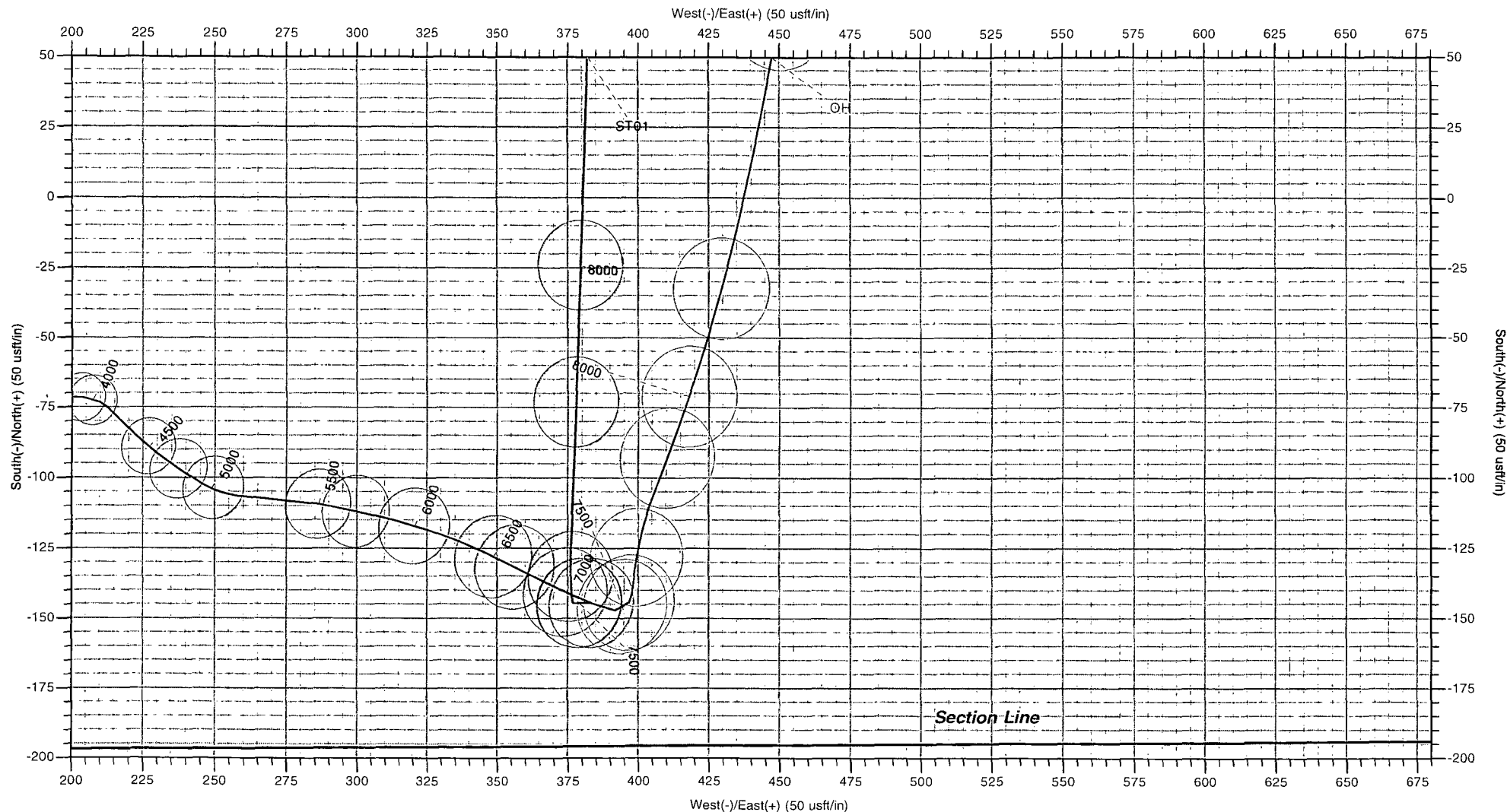
Project: Lea County, NM (NAD-83)
Site: Trionyx "6" Fed
Well: 6H
Wellbore: ST01
Design: Plan #1

PROJECT DETAILS: Lea County, NM (NAD-83)
Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: New Mexico Eastern Zone



Azimuths to Grid North
True North: -0.33°
Magnetic North: 7.14°

Magnetic Field
Strength: 48313.4snT
Dip Angle: 60.03°
Date: 10/01/2013
Model: BGGM2013



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

Plan: Plan #1 (6H/ST01)
Trionyx "6" Fed
Created By: Heber Claros
Date: _____
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DEVON ENERGY

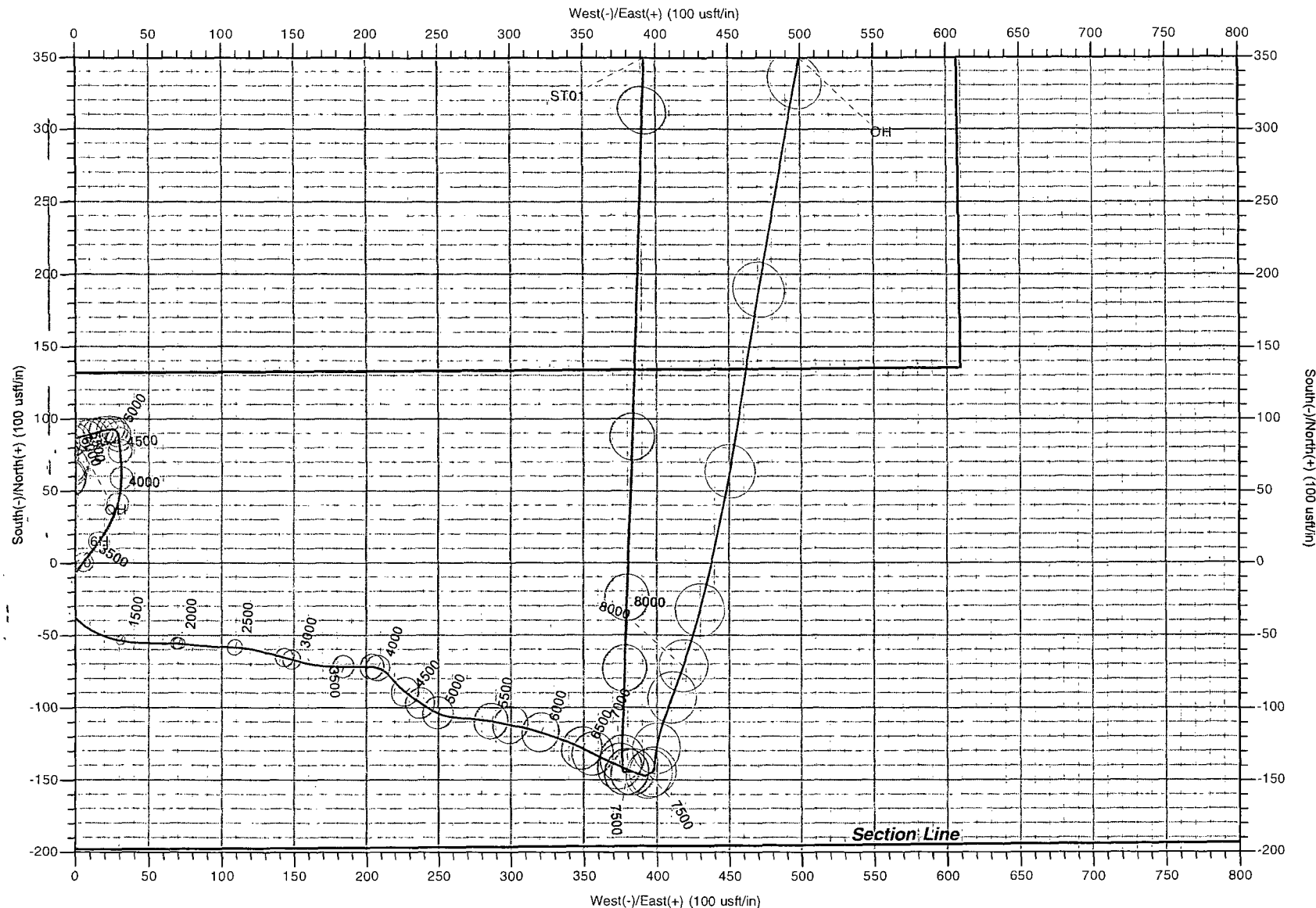
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 Site: Trionyx "6" Fed
 Well: 6H
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 Design: Plan #1

PROJECT DETAILS: Lea County, NM (NAD-83)
 Geodetic System: US State Plane 1983
 Datum: North American Datum 1983
 Ellipsoid: GRS 1980
 Zone: New Mexico Eastern Zone



Azimuths to Grid North
 True North: -0.33°
 Magnetic North: 7.14°

Magnetic Field
 Strength: 48313.4snT
 Dip Angle: 60.03°
 Date: 10/01/2013
 Model: BGGM2013



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

Plan: Plan #1 (6H/ST01)
 Created By: Heber Claros
 Date: 15:44, October 01 2013
 Approved: _____ Date: _____

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 28' @ 3472.00usft (Cactus 105)
Project:	Lea County, NM (NAD-83)	MD Reference:	GE 3444' + KB 28' @ 3472.00usft (Cactus 105)
Site:	Trionyx "6" Fed	North Reference:	Grid
Well:	6H	Survey Calculation Method:	Minimum Curvature
Wellbore:	ST01		
Design:	Plan #1		

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:	
		Latitude:	32° 9' 8.954 N
		Longitude:	103° 42' 47.010 W
		Ground Level:	3,444.00 usft

Wellbore	ST01		
Magnetics	Model Name	Sample Date	Declination
			(°)
	BGGM2013	10/01/13	7.47
			Dip Angle
			(°)
			60.03
			Field Strength
			(nT)
			48,313

Design	Plan #1		
Audit Notes:			
Version:	Phase:	PLAN	Tie On Depth:
			7,039.00
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(usft)	(usft)	(usft)
	0.00	0.00	0.00
			Direction
			(°)
			359.45

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
7,039.00	2.90	114.90	7,024.26	-141.16	375.35	0.00	0.00	0.00	0.00	
7,200.00	2.64	110.82	7,185.07	-144.20	382.50	0.20	-0.16	-2.53	-144.85	
7,269.00	1.50	290.00	7,254.05	-144.45	383.14	6.00	-1.65	259.69	179.70	
7,281.00	0.95	267.67	7,266.05	-144.40	382.90	6.00	-4.60	-186.09	-150.00	
7,632.00	0.95	267.67	7,617.00	-144.64	377.10	0.00	0.00	0.00	0.00	
7,820.74	15.00	1.92	7,803.59	-120.15	376.35	8.00	7.45	49.94	97.76	
8,572.76	90.20	1.92	8,228.25	434.99	394.94	10.00	10.00	0.00	0.00	
12,901.75	90.20	1.92	8,213.00	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 8H
Company:	DEVON ENERGY	TVD Reference:	GE 3444' + KB 28' @ 3472.00usft (Cactus 105)
Project:	Lea County, NM (NAD-83)	MD Reference:	GE 3444' + KB 28' @ 3472.00usft (Cactus 105)
Site:	Trionyx "6" Fed	North Reference:	Grid
Well:	6H	Survey Calculation Method:	Minimum Curvature
Wellbore:	ST01		
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)	
7,039.00	2.90	114.90	7,024.26	-141.16	375.35	-144.76	0.22	-0.21	-0.99	
Tie in Actual SVY: Start DLS 0.20 TFO -144.85										
7,100.00	2.80	113.44	7,085.18	-142.41	378.11	-146.03	0.20	-0.16	-2.39	
7,200.00	2.64	110.82	7,185.07	-144.20	382.50	-147.86	0.20	-0.16	-2.62	
KOP Time Drill: Start DLS 6.00 TFO 179.70										
7,250.00	0.36	288.34	7,235.05	-144.56	383.43	-148.23	6.00	-4.56	355.05	
7,269.00	1.50	290.00	7,254.05	-144.45	383.14	-148.12	6.00	6.00	8.71	
Drop/ Turn Time Drill: Start DLS 6.00 TFO -150.00										
7,281.00	0.95	267.67	7,266.05	-144.40	382.90	-148.07	6.00	-4.60	-186.09	
EOD: Start 351.00 hold at 7281.00 MD										
7,300.00	0.95	267.67	7,285.05	-144.42	382.58	-148.08	0.00	0.00	0.00	
7,400.00	0.95	267.67	7,385.03	-144.48	380.93	-148.13	0.00	0.00	0.00	
7,500.00	0.95	267.67	7,485.02	-144.55	379.28	-148.19	0.00	0.00	0.00	
7,600.00	0.95	267.67	7,585.00	-144.62	377.62	-148.24	0.00	0.00	0.00	
7,632.00	0.95	267.67	7,617.00	-144.64	377.10	-148.25	0.00	0.00	0.00	
KOP Curve: Start DLS 8.00 TFO 97.76										
7,650.00	1.61	329.85	7,635.00	-144.43	376.82	-148.04	8.00	3.70	345.42	
7,700.00	5.39	355.43	7,684.90	-141.47	376.28	-145.08	8.00	7.56	51.16	
7,750.00	9.36	359.72	7,734.47	-135.06	376.07	-138.67	8.00	7.93	8.58	
7,800.00	13.34	1.47	7,783.48	-125.23	376.20	-128.83	8.00	7.97	3.49	
7,820.74	15.00	1.92	7,803.59	-120.15	376.35	-123.76	8.00	7.98	2.19	
Start Build/ Turn: DLS 10.00 TFO 0.00										
7,850.00	17.93	1.92	7,831.65	-111.86	376.63	-115.47	10.00	10.00	0.00	
7,900.00	22.93	1.92	7,878.49	-94.43	377.21	-98.04	10.00	10.00	0.00	
7,950.00	27.93	1.92	7,923.63	-72.98	377.93	-76.60	10.00	10.00	0.00	
8,000.00	32.93	1.92	7,966.73	-47.68	378.78	-51.31	10.00	10.00	0.00	
8,050.00	37.93	1.92	8,007.46	-18.72	379.75	-22.37	10.00	10.00	0.00	
8,100.00	42.93	1.92	8,045.51	13.67	380.83	10.02	10.00	10.00	0.00	
8,150.00	47.93	1.92	8,080.59	49.26	382.03	45.59	10.00	10.00	0.00	
8,200.00	52.93	1.92	8,112.44	87.76	383.31	84.08	10.00	10.00	0.00	
8,250.00	57.93	1.92	8,140.80	128.90	384.69	125.20	10.00	10.00	0.00	
8,300.00	62.93	1.92	8,165.47	172.35	386.15	168.63	10.00	10.00	0.00	
8,350.00	67.93	1.92	8,186.26	217.78	387.67	214.05	10.00	10.00	0.00	
8,400.00	72.93	1.92	8,203.00	264.85	389.24	261.10	10.00	10.00	0.00	
8,450.00	77.93	1.92	8,215.58	313.20	390.86	309.43	10.00	10.00	0.00	
8,500.00	82.93	1.92	8,223.89	362.46	392.51	358.67	10.00	10.00	0.00	
8,550.00	87.93	1.92	8,227.88	412.25	394.18	408.45	10.00	10.00	0.00	
8,572.76	90.20	1.92	8,228.25	434.99	394.94	431.18	10.00	10.00	0.00	
LP/ EOC: Start 4329.00 hold at 8572.76 MD										
8,600.00	90.20	1.92	8,228.16	462.22	395.85	458.40	0.00	0.00	0.00	
8,700.00	90.20	1.92	8,227.80	562.16	399.20	558.31	0.00	0.00	0.00	
8,800.00	90.20	1.92	8,227.45	662.11	402.54	658.21	0.00	0.00	0.00	
8,900.00	90.20	1.92	8,227.10	762.05	405.89	758.12	0.00	0.00	0.00	
9,000.00	90.20	1.92	8,226.75	861.99	409.24	858.03	0.00	0.00	0.00	
9,100.00	90.20	1.92	8,226.39	961.94	412.58	957.93	0.00	0.00	0.00	
9,200.00	90.20	1.92	8,226.04	1,061.88	415.93	1,057.84	0.00	0.00	0.00	
9,300.00	90.20	1.92	8,225.69	1,161.82	419.27	1,157.75	0.00	0.00	0.00	
9,400.00	90.20	1.92	8,225.34	1,261.77	422.62	1,257.65	0.00	0.00	0.00	
9,500.00	90.20	1.92	8,224.99	1,361.71	425.96	1,357.56	0.00	0.00	0.00	
9,600.00	90.20	1.92	8,224.63	1,461.65	429.31	1,457.47	0.00	0.00	0.00	
9,700.00	90.20	1.92	8,224.28	1,561.60	432.66	1,557.37	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 28' @ 3472.00usft (Cactus 105)
Project:	Lea County, NM (NAD-83)	MD Reference:	GE 3444' + KB 28' @ 3472.00usft (Cactus 105)
Site:	Trionyx "6" Fed.	North Reference:	Grid
Well:	6H	Survey Calculation Method:	Minimum Curvature
Wellbore:	ST01		
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)
9,800.00	90.20	1.92	8,223.93	1,661.54	436.00	1,657.28	0.00	0.00	0.00
9,900.00	90.20	1.92	8,223.58	1,761.48	439.35	1,757.19	0.00	0.00	0.00
10,000.00	90.20	1.92	8,223.22	1,861.43	442.69	1,857.09	0.00	0.00	0.00
10,100.00	90.20	1.92	8,222.87	1,961.37	446.04	1,957.00	0.00	0.00	0.00
10,200.00	90.20	1.92	8,222.52	2,061.31	449.39	2,056.91	0.00	0.00	0.00
10,300.00	90.20	1.92	8,222.17	2,161.26	452.73	2,156.81	0.00	0.00	0.00
10,400.00	90.20	1.92	8,221.81	2,261.20	456.08	2,256.72	0.00	0.00	0.00
10,500.00	90.20	1.92	8,221.46	2,361.14	459.42	2,356.63	0.00	0.00	0.00
10,600.00	90.20	1.92	8,221.11	2,461.09	462.77	2,456.53	0.00	0.00	0.00
10,700.00	90.20	1.92	8,220.76	2,561.03	466.11	2,556.44	0.00	0.00	0.00
10,800.00	90.20	1.92	8,220.41	2,660.97	469.46	2,656.35	0.00	0.00	0.00
10,900.00	90.20	1.92	8,220.05	2,760.92	472.81	2,756.25	0.00	0.00	0.00
11,000.00	90.20	1.92	8,219.70	2,860.86	476.15	2,856.16	0.00	0.00	0.00
11,100.00	90.20	1.92	8,219.35	2,960.80	479.50	2,956.07	0.00	0.00	0.00
11,200.00	90.20	1.92	8,219.00	3,060.75	482.84	3,055.97	0.00	0.00	0.00
11,300.00	90.20	1.92	8,218.64	3,160.69	486.19	3,155.88	0.00	0.00	0.00
11,400.00	90.20	1.92	8,218.29	3,260.64	489.53	3,255.79	0.00	0.00	0.00
11,500.00	90.20	1.92	8,217.94	3,360.58	492.88	3,355.69	0.00	0.00	0.00
11,600.00	90.20	1.92	8,217.59	3,460.52	496.23	3,455.60	0.00	0.00	0.00
11,700.00	90.20	1.92	8,217.23	3,560.47	499.57	3,555.51	0.00	0.00	0.00
11,800.00	90.20	1.92	8,216.88	3,660.41	502.92	3,655.41	0.00	0.00	0.00
11,900.00	90.20	1.92	8,216.53	3,760.35	506.26	3,755.32	0.00	0.00	0.00
12,000.00	90.20	1.92	8,216.18	3,860.30	509.61	3,855.23	0.00	0.00	0.00
12,100.00	90.20	1.92	8,215.82	3,960.24	512.96	3,955.13	0.00	0.00	0.00
12,200.00	90.20	1.92	8,215.47	4,060.18	516.30	4,055.04	0.00	0.00	0.00
12,300.00	90.20	1.92	8,215.12	4,160.13	519.65	4,154.95	0.00	0.00	0.00
12,400.00	90.20	1.92	8,214.77	4,260.07	522.99	4,254.85	0.00	0.00	0.00
12,500.00	90.20	1.92	8,214.42	4,360.01	526.34	4,354.76	0.00	0.00	0.00
12,600.00	90.20	1.92	8,214.06	4,459.96	529.68	4,454.67	0.00	0.00	0.00
12,700.00	90.20	1.92	8,213.71	4,559.90	533.03	4,554.57	0.00	0.00	0.00
12,800.00	90.20	1.92	8,213.36	4,659.84	536.38	4,654.48	0.00	0.00	0.00
12,901.75	90.20	1.92	8,213.00	4,761.54	539.78	4,756.14	0.00	0.00	0.00
TD at 12901.75' MD - PBHL(T"6"F 6H)									

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(T"6"F 6H)	0.00	0.00	8,213.00	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									

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 28' @ 3472.00usft (Cactus 105)
Project:	Lea County, NM (NAD-83)	MD Reference:	GE 3444' + KB 28' @ 3472.00usft (Cactus 105)
Site:	Trionyx "6" Fed.	North Reference:	Grid
Well:	6H	Survey Calculation Method:	Minimum Curvature
Wellbore:	ST01		
Design:	Plan #1		

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
7,039.00	7,024.26	-141.16	375.35	Tie in Actual SVY: Start DLS 0.20 TFO -144.85
7,200.00	7,185.07	-144.20	382.50	KOP Time Drill: Start DLS 6.00 TFO 179.70
7,269.00	7,254.05	-144.45	383.14	Drop/ Turn Time Drill: Start DLS 6.00 TFO -150.00
7,281.00	7,266.05	-144.40	382.90	EOD: Start 351.00 hold at 7281.00 MD
7,632.00	7,617.00	-144.64	377.10	KOP Curve: Start DLS 8.00 TFO 97.76
7,820.74	7,803.59	-120.15	376.35	Start Build/ Turn: DLS 10.00 TFO 0.00
8,572.76	8,228.25	434.99	394.94	LP/ EOC: Start 4329.00 hold at 8572.76 MD
12,901.75	8,213.00	4,761.54	539.78	TD at 12901.75' MD

DEVON ENERGY

Lea County, NM (NAD-83)

Trionyx "6' Fed

6H

ST01

Plan #1

Anticollision Report

01 October, 2013

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 28' @ 3472.00usft (Cactus 105)
Reference Site:	Trionyx "6' Fed	MD Reference:	GE 3444' + KB 28' @ 3472.00usft (Cactus 105)
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:	ST01	Database:	EDM 5000.1 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Reference	Plan #1		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	Stations	Error Model:	ISCWSA
Depth Range:	7,200.00 to 10,000,000.00usft	Scan Method:	Closest Approach 3D
Results Limited by:	Maximum center-center distance of 20,000.00 usft	Error Surface:	Elliptical Conic
Warning Levels Evaluated at:	2.00 Sigma	Casing Method:	Not applied

Survey Tool Program		Date	10/01/13		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
207.00	7,039.00	Survey #1 (OH)	LEAM MWD-ADJ	MWD - Standard	
7,039.00	12,901.75	Plan #1 (ST01)	LEAM MWD-ADJ	MWD - Standard	

Summary						
Site Name	Reference	Offset	Distance		Separation	Warning
	Measured	Measured	Between	Between		
Offset Well - Wellbore - Design	Depth	Depth	Centres	Ellipses	Factor	
	(usft)	(usft)	(usft)	(usft)		
Trionyx "6' Fed						
5H - OH - OH	8,159.66	8,095.29	387.54	358.24	13.228	CC, ES
5H - OH - OH	8,200.00	8,119.53	388.87	359.45	13.218	SF
6H - OH - OH	7,200.00	7,200.00	0.01	-0.39	0.016	Level 1, CC, ES, SF

Offset Design												Trionyx "6' Fed - 5H - OH - OH		Offset Site Error:		0.00 usft	
Survey Program:												116-NS-GYRO-MS, 8865-LEAM MWD-ADJ, 14980-Project		Offset Well Error:		0.00 usft	
Reference		Offset		Semi Major Axis		Distance											
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	Warning				
7,200.00	7,185.07	7,186.44	7,178.32	16.12	12.50	-171.21	79.82	-11.81	453.52	426.16	27.36	16.577					
7,250.00	7,235.05	7,236.59	7,228.45	16.13	12.60	11.12	79.20	-12.64	454.92	427.47	27.46	16.569					
7,269.00	7,254.05	7,256.45	7,248.31	16.12	12.63	9.43	78.97	-12.93	454.75	427.27	27.48	16.547					
7,281.00	7,266.05	7,269.00	7,260.86	16.12	12.66	31.74	78.83	-13.09	454.58	427.06	27.52	16.521					
7,300.00	7,285.05	7,288.87	7,280.73	16.12	12.70	31.73	78.62	-13.30	454.38	426.83	27.55	16.490					
7,400.00	7,385.03	7,394.00	7,385.85	16.12	12.89	31.69	77.42	-13.66	452.72	424.96	27.76	16.310					
7,500.00	7,485.02	7,498.67	7,490.51	16.13	13.07	31.69	75.91	-12.85	449.93	421.98	27.95	16.099					
7,600.00	7,585.00	7,598.60	7,590.42	16.13	13.23	31.79	74.88	-11.18	446.56	418.44	28.13	15.877					
7,632.00	7,617.00	7,630.51	7,622.32	16.14	13.28	31.82	74.55	-10.68	445.52	417.33	28.19	15.807					
7,650.00	7,635.00	7,648.52	7,640.33	16.14	13.32	-30.41	74.35	-10.41	444.83	416.62	28.21	15.768					
7,700.00	7,684.90	7,698.44	7,690.23	16.14	13.40	-56.49	73.77	-9.66	441.98	413.70	28.28	15.631					
7,750.00	7,734.47	7,747.94	7,739.73	16.14	13.48	-61.79	73.13	-8.94	437.78	409.44	28.33	15.462					
7,800.00	7,783.48	7,796.81	7,788.59	16.14	13.57	-65.09	72.43	-8.27	432.38	403.99	28.39	15.232					
7,820.74	7,803.59	7,816.87	7,808.64	16.14	13.60	-66.35	72.11	-8.01	429.84	401.43	28.41	15.129					
7,850.00	7,831.65	7,844.84	7,836.60	16.14	13.65	-67.73	71.64	-7.66	425.93	397.49	28.44	14.977					
7,900.00	7,878.49	7,891.39	7,883.15	16.13	13.74	-70.60	70.75	-7.12	418.39	389.89	28.50	14.678					
7,950.00	7,923.63	7,935.84	7,927.58	16.14	13.82	-74.01	69.85	-6.63	410.29	381.69	28.60	14.344					
8,000.00	7,966.73	7,978.20	7,969.93	16.15	13.90	-77.84	69.04	-6.18	402.32	373.57	28.74	13.997					
8,050.00	8,007.46	8,018.06	8,009.79	16.17	13.97	-81.91	68.30	-5.78	395.27	366.35	28.91	13.671					
8,100.00	8,045.51	8,055.15	8,046.86	16.20	14.04	-86.01	67.60	-5.44	390.05	360.96	29.09	13.408					
8,150.00	8,080.59	8,089.17	8,080.88	16.24	14.10	-89.89	66.96	-5.17	387.61	358.35	29.26	13.246					

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 28' @ 3472.00usft (Cactus 105)
Reference Site:	Trionyx "B" Fed	MD Reference:	GE 3444' + KB 28' @ 3472.00usft (Cactus 105)
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:	ST01	Database:	EDM 5000.1 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:
Trionyx "B" Fed - 5H - OH - OH													0.00 usft
Survey Program: 116-NS-GYRO-MS, 9885-LEAM MWD-ADJ, 14980-Project													Offset Well Error: 0.00 usft
Reference	Offset	Semi Major Axis		Distance									
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	Warping
8,159.66	8,087.01	8,095.29	8,087.00	16.25	14.12	-90.59	66.84	-5.12	387.54	358.24	29.30	13.228 CC, ES	
8,200.00	8,112.44	8,119.53	8,111.23	16.31	14.16	-93.27	66.39	-4.97	388.87	359.45	29.42	13.218 SF	
8,250.00	8,140.80	8,146.48	8,138.18	16.40	14.21	-96.00	65.91	-4.84	394.59	365.02	29.57	13.343	
8,300.00	8,165.47	8,169.84	8,161.53	16.52	14.26	-97.90	65.50	-4.77	405.25	375.50	29.75	13.622	
8,350.00	8,186.26	8,189.29	8,180.98	16.69	14.30	-98.83	65.16	-4.73	421.04	391.06	29.98	14.042	
8,400.00	8,203.00	8,204.66	8,196.35	16.92	14.33	-98.67	64.90	-4.73	441.83	411.52	30.30	14.580	
8,450.00	8,215.58	8,215.96	8,207.65	17.19	14.35	-97.35	64.70	-4.74	467.20	436.48	30.72	15.209	
8,500.00	8,223.89	8,223.13	8,214.82	17.53	14.36	-94.77	64.57	-4.76	496.58	465.38	31.20	15.914	
8,550.00	8,227.88	8,226.12	8,217.80	17.91	14.37	-90.89	64.52	-4.76	529.26	497.57	31.69	16.700	
8,572.76	8,228.25	8,226.09	8,217.77	18.10	14.37	-89.69	64.52	-4.76	545.04	513.15	31.89	17.093	
8,600.00	8,228.16	8,225.53	8,217.22	18.34	14.37	-88.61	64.53	-4.76	564.54	532.40	32.14	17.565	
8,700.00	8,227.80	8,223.50	8,215.18	19.32	14.36	-88.31	64.57	-4.76	640.99	607.84	33.16	19.332	
8,800.00	8,227.45	8,221.47	8,213.15	20.42	14.36	-88.01	64.60	-4.75	723.21	688.92	34.29	21.093	
8,900.00	8,227.10	8,219.45	8,211.13	21.62	14.36	-87.71	64.64	-4.75	809.43	773.92	35.51	22.795	
9,000.00	8,226.75	8,217.43	8,209.12	22.90	14.35	-87.41	64.67	-4.74	898.50	861.69	36.81	24.409	
9,100.00	8,226.39	8,215.42	8,207.11	24.26	14.35	-87.12	64.71	-4.74	989.67	951.49	38.18	25.923	
9,200.00	8,226.04	8,213.42	8,205.10	25.67	14.34	-86.82	64.74	-4.74	1,082.39	1,042.79	39.60	27.335	
9,300.00	8,225.69	8,211.42	8,203.11	27.13	14.34	-86.53	64.78	-4.74	1,176.30	1,135.23	41.06	28.647	
9,400.00	8,225.34	8,209.43	8,201.12	28.63	14.34	-86.23	64.81	-4.73	1,271.13	1,228.57	42.56	29.864	
9,500.00	8,224.99	8,207.44	8,199.13	30.17	14.33	-85.94	64.85	-4.73	1,366.70	1,322.60	44.10	30.993	
9,600.00	8,224.63	8,205.47	8,197.15	31.74	14.33	-85.65	64.88	-4.73	1,462.86	1,417.20	45.66	32.040	
9,700.00	8,224.28	8,203.49	8,195.18	33.33	14.33	-85.36	64.92	-4.73	1,559.50	1,512.26	47.24	33.012	
9,800.00	8,223.93	8,201.53	8,193.21	34.94	14.32	-85.07	64.95	-4.73	1,656.54	1,607.69	48.84	33.916	
9,900.00	8,223.58	8,199.57	8,191.25	36.58	14.32	-84.78	64.99	-4.73	1,753.90	1,703.44	50.46	34.759	
10,000.00	8,223.22	8,197.61	8,189.30	38.23	14.31	-84.50	65.02	-4.73	1,851.55	1,799.46	52.09	35.546	
10,100.00	8,222.87	8,195.66	8,187.35	39.89	14.31	-84.21	65.05	-4.73	1,949.43	1,895.70	53.73	36.281	
10,200.00	8,222.52	8,193.72	8,185.41	41.57	14.31	-83.93	65.09	-4.73	2,047.51	1,992.13	55.38	36.970	
10,300.00	8,222.17	8,191.78	8,183.47	43.26	14.30	-83.64	65.12	-4.73	2,145.77	2,088.73	57.04	37.617	
10,400.00	8,221.81	8,189.85	8,181.54	44.95	14.30	-83.36	65.15	-4.73	2,244.18	2,185.48	58.71	38.226	
10,500.00	8,221.46	12,582.48	10,490.75	46.66	44.61	-167.86	2,376.52	-29.21	2,324.29	2,273.14	51.15	45.441	
10,600.00	8,221.11	12,576.01	10,490.20	48.38	46.10	-167.76	2,470.06	-29.91	2,324.91	2,272.54	52.36	44.398	
10,700.00	8,220.76	12,773.75	10,489.32	50.10	47.67	-167.64	2,567.76	-31.88	2,325.52	2,271.88	53.65	43.350	
10,800.00	8,220.41	12,861.32	10,488.93	51.83	49.05	-167.52	2,655.32	-33.62	2,326.57	2,271.69	54.88	42.391	
10,900.00	8,220.05	12,954.29	10,488.96	53.56	50.52	-167.41	2,748.27	-35.44	2,328.10	2,271.92	56.18	41.441	
11,000.00	8,219.70	13,052.45	10,488.90	55.30	52.11	-167.27	2,846.40	-37.98	2,329.69	2,272.15	57.54	40.488	
11,100.00	8,219.35	13,166.06	10,488.97	57.05	53.96	-167.11	2,959.96	-41.03	2,331.48	2,272.44	59.03	39.494	
11,200.00	8,219.00	13,285.60	10,487.74	58.80	55.91	-166.96	3,079.48	-43.06	2,331.90	2,271.32	60.58	38.491	
11,300.00	8,218.64	13,391.08	10,486.53	60.55	57.64	-166.85	3,184.95	-43.73	2,332.03	2,269.99	62.04	37.589	
11,400.00	8,218.29	13,492.38	10,485.62	62.31	59.13	-166.76	3,276.25	-44.25	2,332.29	2,268.87	63.41	36.778	
11,500.00	8,217.94	13,566.00	10,484.97	64.07	60.49	-166.68	3,359.86	-44.83	2,332.85	2,268.10	64.75	36.028	
11,600.00	8,217.59	13,645.55	10,485.00	65.83	61.79	-166.61	3,439.41	-45.39	2,334.22	2,268.15	66.07	35.330	
11,700.00	8,217.23	13,771.16	10,485.20	67.60	63.87	-166.46	3,565.00	-47.26	2,335.88	2,268.12	67.76	34.473	
11,800.00	8,216.88	13,874.52	10,484.00	69.37	65.61	-166.30	3,668.29	-50.72	2,336.67	2,267.32	69.35	33.694	
11,900.00	8,216.53	13,963.78	10,482.88	71.14	67.12	-166.12	3,757.45	-54.89	2,337.70	2,266.83	70.87	32.986	
12,000.00	8,216.18	14,041.00	10,482.25	72.91	68.41	-165.97	3,834.58	-58.48	2,339.25	2,266.95	72.30	32.356	
12,100.00	8,215.82	14,136.00	10,482.42	74.69	70.00	-165.80	3,929.49	-62.79	2,341.68	2,267.79	73.89	31.692	
12,200.00	8,215.47	14,213.28	10,483.37	76.46	71.29	-165.67	4,006.71	-65.77	2,344.92	2,269.59	75.33	31.130	
12,300.00	8,215.12	14,295.99	10,484.99	78.24	72.67	-165.56	4,089.36	-68.09	2,348.70	2,271.90	76.80	30.581	
12,400.00	8,214.77	14,393.53	10,487.46	80.02	74.31	-165.43	4,166.83	-71.00	2,353.08	2,274.66	78.41	30.008	
12,500.00	8,214.42	14,533.69	10,490.19	81.81	76.67	-165.27	4,326.93	-73.97	2,356.76	2,276.37	80.38	29.318	
12,600.00	8,214.06	14,706.00	10,489.99	83.59	79.58	-165.17	4,499.22	-72.85	2,357.56	2,275.01	82.55	28.559	

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 28' @ 3472.00usft (Cactus 105)
Reference Site:	Trionyx '6' Fed	MD Reference:	GE 3444' + KB 28' @ 3472.00usft (Cactus 105)
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	ST01	Database:	EDM 5000.1 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Trionyx '6' Fed - 5H - OH - OH													Offset Site Error:	0.00 usft
Survey Program: 116-NS-GYRO-MS, 8865-LEAM MWD-ADJ, 14980-Project													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance		Minimum Separation		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		
12,700.00	8,213.71	14,801.00	10,488.75	85.38	81.17	-165.12	4,594.20	-71.52	2,357.14	2,273.04	84.10	28.028		
12,748.10	8,213.54	14,843.08	10,488.26	86.24	81.88	-165.09	4,636.28	-71.16	2,357.08	2,272.25	84.82	27.788		
12,800.00	8,213.36	14,888.61	10,487.82	87.16	82.65	-165.06	4,681.81	-70.98	2,357.15	2,271.53	85.61	27.532		
12,901.75	8,213.00	14,980.00	10,487.02	88.98	82.77	-164.99	4,773.19	-70.80	2,357.49	2,270.96	86.53	27.245		

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 28' @ 3472.00usft (Cactus 105)
Reference Site:	Trionyx "6" Fed	MD Reference:	GE 3444' + KB 28' @ 3472.00usft (Cactus 105)
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	ST01	Database:	EDM 5000.1 Single User Db.
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Trionyx "6" Fed - 6H - OH - OH													Offset Site Error:	0.00 usft		
Survey Program: 207-LEAM MWD-ADJ													Offset Well Error:	0.00 usft		
Reference				Offset				Semi Major Axis					Distance			
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	Warning			
7,200.00	7,185.07	7,200.00	7,185.07	0.11	0.36	-0.51	-144.20	382.51	0.01	-0.39	0.40	0.016	Level 1, CC, ES, SF			
7,227.66	7,212.72	7,227.66	7,212.70	0.12	0.42	-2.04	-144.64	383.70	0.40	-0.06	0.46	0.875	Level 1			
7,250.00	7,235.05	7,249.98	7,235.00	0.12	0.47	-179.10	-144.98	384.64	1.29	0.78	0.50	2.565				
7,269.00	7,254.05	7,268.94	7,253.94	0.12	0.52	179.21	-145.26	385.44	2.44	1.90	0.54	4.491				
7,281.00	7,266.05	7,280.92	7,265.91	0.12	0.54	-159.17	-145.42	385.94	3.22	2.64	0.57	5.633				
7,300.00	7,285.05	7,299.89	7,284.86	0.12	0.58	-160.75	-145.68	386.73	4.34	3.72	0.61	7.057				
7,400.00	7,385.03	7,399.74	7,384.62	0.12	0.81	-164.30	-146.82	390.76	10.11	9.27	0.84	11.994				
7,500.00	7,485.02	7,499.80	7,484.62	0.12	1.02	-168.61	-146.94	394.25	15.17	14.10	1.07	14.183				
7,600.00	7,585.00	7,599.95	7,584.72	0.13	1.23	-177.59	-144.64	396.45	18.82	17.53	1.30	14.505				
7,632.00	7,617.00	7,631.94	7,616.67	0.13	1.29	178.72	-143.39	396.90	19.84	18.47	1.37	14.494				
7,650.00	7,635.00	7,649.92	7,634.63	0.13	1.33	114.88	-142.56	397.14	20.41	19.00	1.41	14.509				
7,700.00	7,684.90	7,699.98	7,684.61	0.13	1.43	89.72	-139.68	397.72	21.52	20.01	1.50	14.318				
7,750.00	7,734.47	7,749.71	7,734.12	0.14	1.52	90.21	-135.10	398.28	22.21	20.62	1.59	13.964				
7,800.00	7,783.48	7,799.46	7,783.36	0.22	1.62	95.34	-128.07	399.28	23.26	21.56	1.70	13.677				
7,820.74	7,803.59	7,819.99	7,803.57	0.27	1.67	98.40	-124.57	399.90	23.96	22.19	1.77	13.512				
7,850.00	7,831.65	7,848.86	7,831.87	0.36	1.73	103.86	-119.02	401.11	25.51	23.60	1.92	13.305				
7,900.00	7,878.49	7,897.79	7,879.47	0.57	1.84	113.79	-108.19	404.44	30.52	28.26	2.27	13.475				
7,950.00	7,923.63	7,947.15	7,926.91	0.85	1.98	122.53	-95.38	409.17	38.58	35.87	2.71	14.229				
8,000.00	7,966.73	7,996.44	7,973.61	1.24	2.15	129.50	-80.57	414.48	49.02	45.77	3.26	15.057				
8,050.00	8,007.46	8,047.15	8,020.65	1.80	2.37	134.59	-62.66	420.56	61.40	57.45	3.95	15.544				
8,100.00	8,045.51	8,099.47	8,067.47	2.83	2.74	137.94	-40.31	427.17	74.45	69.37	5.08	14.652				
8,150.00	8,080.59	8,153.41	8,113.33	5.08	3.65	139.97	-12.87	434.36	87.58	80.12	7.46	11.736				
8,200.00	8,112.44	8,208.92	8,157.79	5.89	5.78	141.61	19.58	441.36	100.37	91.03	9.35	10.741				
8,250.00	8,140.80	8,264.90	8,199.48	6.53	6.75	142.76	56.22	448.54	113.15	103.12	10.02	11.287				
8,300.00	8,165.47	8,325.23	8,240.08	7.09	7.62	143.64	100.15	456.07	125.17	114.78	10.39	12.048				
8,350.00	8,186.26	8,384.46	8,274.85	7.61	8.41	144.04	147.52	463.36	136.06	125.59	10.48	12.986				
8,400.00	8,203.00	8,442.43	8,303.90	8.10	9.15	143.73	196.94	471.82	147.00	136.68	10.32	14.247				
8,450.00	8,215.58	8,503.06	8,329.29	8.56	9.90	143.17	251.14	481.35	158.01	148.13	9.88	15.990				
8,500.00	8,223.89	8,564.39	8,348.85	9.02	10.66	142.33	308.37	491.34	168.25	159.16	9.08	18.520				
8,550.00	8,227.88	8,618.83	8,362.48	9.46	11.32	141.47	360.18	500.99	179.54	171.79	7.75	23.159				
8,572.76	8,228.25	8,646.09	8,368.03	9.66	11.66	141.07	386.36	506.14	185.12	178.20	6.92	26.751				
8,600.00	8,228.16	8,680.66	8,373.59	9.89	12.08	140.89	419.87	512.60	191.25	184.07	7.18	26.636				
8,700.00	8,227.80	8,803.58	8,382.40	10.75	13.53	138.95	540.66	533.14	205.68	197.30	8.38	24.542				
8,800.00	8,227.45	8,912.78	8,383.27	11.62	14.73	137.30	649.08	545.97	212.18	202.39	9.79	21.671				
8,900.00	8,227.10	9,021.86	8,383.13	12.51	15.82	136.81	757.96	552.33	214.02	202.74	11.29	18.963				
8,905.57	8,227.08	9,027.88	8,383.10	12.56	15.88	136.81	763.98	552.52	214.01	202.64	11.37	18.821				
9,000.00	8,226.75	9,036.00	8,383.06	13.44	15.96	136.81	772.10	552.75	230.46	218.23	12.23	18.847				
9,100.00	8,226.39	9,036.00	8,383.06	14.42	15.96	136.81	772.10	552.75	283.25	270.10	13.15	21.546				
9,200.00	8,226.04	9,036.00	8,383.06	15.45	15.96	136.81	772.10	552.75	356.86	342.74	14.12	25.277				
9,300.00	8,225.69	9,036.00	8,383.06	16.54	15.96	136.81	772.10	552.75	440.98	425.85	15.13	29.138				
9,400.00	8,225.34	9,036.00	8,383.06	17.68	15.96	136.81	772.10	552.75	530.65	514.46	16.19	32.781				
9,500.00	8,224.99	9,036.00	8,383.06	18.89	15.96	136.81	772.10	552.75	623.46	606.19	17.27	36.096				
9,600.00	8,224.63	9,036.00	8,383.06	20.14	15.96	136.81	772.10	552.75	718.21	699.82	18.38	39.067				
9,700.00	8,224.28	9,036.00	8,383.06	21.45	15.96	136.81	772.10	552.75	814.21	794.69	19.52	41.714				
9,800.00	8,223.93	9,036.00	8,383.06	22.81	15.96	136.81	772.10	552.75	911.08	890.40	20.67	44.070				
9,900.00	8,223.58	9,036.00	8,383.06	24.21	15.96	136.81	772.10	552.75	1,008.55	986.71	21.85	46.168				
10,000.00	8,223.22	9,036.00	8,383.06	25.65	15.96	136.81	772.10	552.75	1,106.48	1,083.45	23.03	48.040				
10,100.00	8,222.87	9,036.00	8,383.06	27.13	15.96	136.81	772.10	552.75	1,204.75	1,180.52	24.23	49.715				
10,200.00	8,222.52	9,036.00	8,383.06	28.64	15.96	136.81	772.10	552.75	1,303.28	1,277.83	25.45	51.219				
10,300.00	8,222.17	9,036.00	8,383.06	30.18	15.96	136.81	772.10	552.75	1,402.02	1,375.35	26.67	52.573				
10,400.00	8,221.81	9,036.00	8,383.06	31.75	15.96	136.81	772.10	552.75	1,500.92	1,473.02	27.90	53.797				

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 28' @ 3472.00usft (Cactus 105)
Reference Site:	Trionyx "6" Fed	MD Reference:	GE 3444' + KB 28' @ 3472.00usft (Cactus 105)
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:	ST01	Database:	EDM 5000.1 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Trionyx "6" Fed - 6H - OH - OH													Offset Site Error:	0.00 usft
Survey Program: 207-LEAM MWD-ADJ													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Offset Wellbore Centre		Distance				Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N-S (usft)	+E-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,500.00	8,221.46	9,036.00	8,383.06	33.34	15.96	136.81	772.10	552.75	1,599.97	1,570.83	29.14	54.905		
10,600.00	8,221.11	9,036.00	8,383.06	34.94	15.96	136.81	772.10	552.75	1,699.12	1,668.73	30.39	55.913		
10,700.00	8,220.76	9,036.00	8,383.06	36.57	15.96	136.81	772.10	552.75	1,798.37	1,766.73	31.64	56.832		
10,800.00	8,220.41	9,036.00	8,383.06	38.21	15.96	136.81	772.10	552.75	1,897.70	1,864.79	32.90	57.673		
10,900.00	8,220.05	9,036.00	8,383.06	39.87	15.96	136.81	772.10	552.75	1,997.09	1,962.92	34.17	58.443		
11,000.00	8,219.70	9,036.00	8,383.06	41.54	15.96	136.81	772.10	552.75	2,096.54	2,061.10	35.44	59.152		
11,100.00	8,219.35	9,036.00	8,383.06	43.22	15.96	136.81	772.10	552.75	2,196.04	2,159.32	36.72	59.805		
11,200.00	8,219.00	9,036.00	8,383.06	44.91	15.96	136.81	772.10	552.75	2,295.59	2,257.59	38.00	60.409		
11,300.00	8,218.64	9,036.00	8,383.06	46.61	15.96	136.81	772.10	552.75	2,395.17	2,355.89	39.29	60.968		
11,400.00	8,218.29	9,036.00	8,383.06	48.32	15.96	136.81	772.10	552.75	2,494.79	2,454.21	40.57	61.487		
11,500.00	8,217.94	9,036.00	8,383.06	50.04	15.96	136.81	772.10	552.75	2,594.43	2,552.57	41.87	61.970		
11,600.00	8,217.59	9,036.00	8,383.06	51.76	15.96	136.81	772.10	552.75	2,694.10	2,650.94	43.16	62.419		
11,700.00	8,217.23	9,036.00	8,383.06	53.49	15.96	136.81	772.10	552.75	2,793.80	2,749.34	44.46	62.840		
11,800.00	8,216.88	9,036.00	8,383.06	55.22	15.96	136.81	772.10	552.75	2,893.52	2,847.76	45.76	63.233		
11,900.00	8,216.53	9,036.00	8,383.06	56.96	15.96	136.81	772.10	552.75	2,993.25	2,946.19	47.06	63.601		
12,000.00	8,216.18	9,036.00	8,383.06	58.70	15.96	136.81	772.10	552.75	3,093.00	3,044.64	48.37	63.947		
12,100.00	8,215.82	9,036.00	8,383.06	60.45	15.96	136.81	772.10	552.75	3,192.77	3,143.10	49.68	64.272		
12,200.00	8,215.47	9,036.00	8,383.06	62.20	15.96	136.81	772.10	552.75	3,292.55	3,241.57	50.99	64.578		
12,300.00	8,215.12	9,036.00	8,383.06	63.96	15.96	136.81	772.10	552.75	3,392.35	3,340.05	52.30	64.866		
12,400.00	8,214.77	9,036.00	8,383.06	65.72	15.96	136.81	772.10	552.75	3,492.16	3,438.55	53.61	65.139		
12,500.00	8,214.42	9,036.00	8,383.06	67.48	15.96	136.81	772.10	552.75	3,591.97	3,537.05	54.93	65.397		
12,600.00	8,214.06	9,036.00	8,383.06	69.25	15.96	136.81	772.10	552.75	3,691.80	3,635.56	56.24	65.641		
12,700.00	8,213.71	9,036.00	8,383.06	71.01	15.96	136.81	772.10	552.75	3,791.64	3,734.08	57.56	65.872		
12,800.00	8,213.36	9,036.00	8,383.06	72.78	15.96	136.81	772.10	552.75	3,891.48	3,832.60	58.88	66.092		
12,901.75	8,213.00	9,036.00	8,383.06	74.59	15.96	136.81	772.10	552.75	3,993.08	3,932.86	60.22	66.304		

Leam Drilling Systems LLC

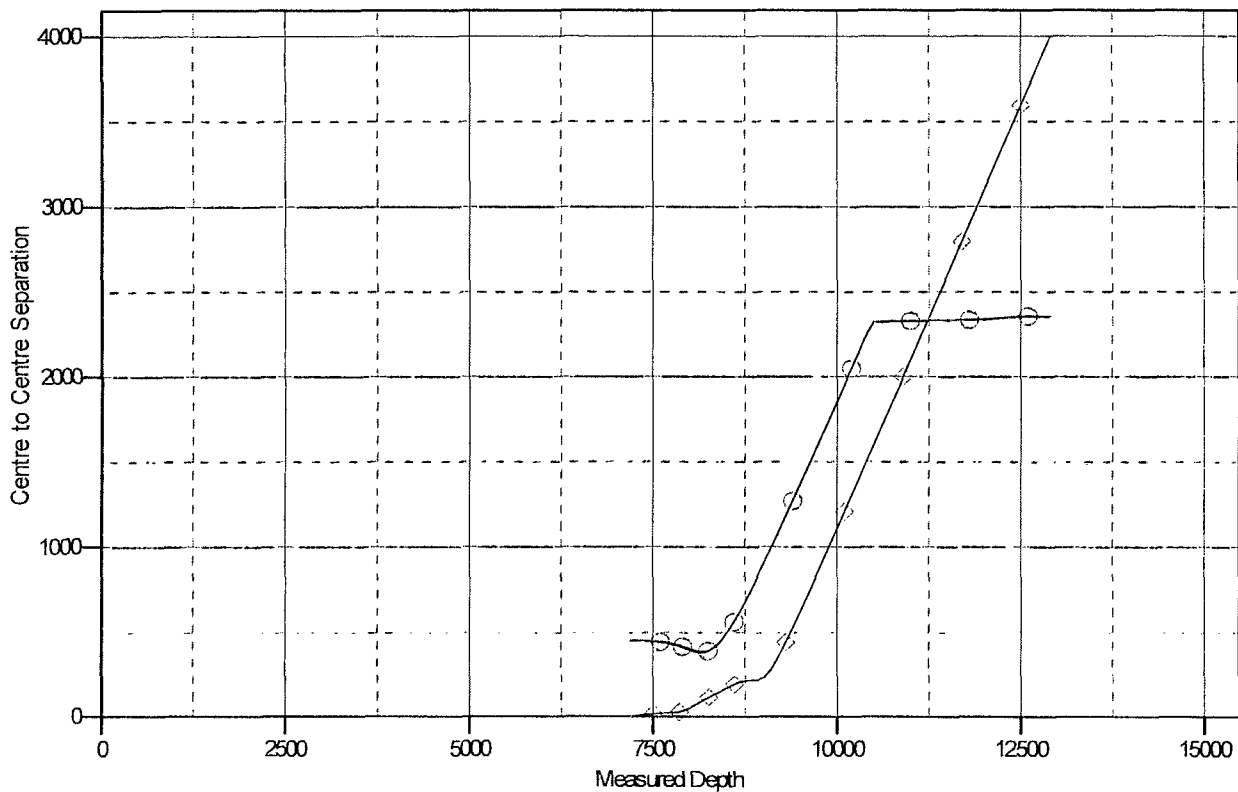
Anticollision Report

Company:	DEVON ENERGY	Local Co-ordinate Reference:	Well 6H
Project:	Lea County, NM (NAD-83)	TVD Reference:	GE 3444' + KB 28' @ 3472.00usft (Cactus 105)
Reference Site:	Trionyx '8' Fed	MD Reference:	GE 3444' + KB 28' @ 3472.00usft (Cactus 105)
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:	ST01	Database:	EDM 5000.1 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Reference Depths are relative to GE 3444' + KB 28' @ 3472.00usft (Ca
Offset Depths are relative to Offset Datum
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: 6H
Coordinate System is US State Plane 1983, New Mexico Eastern Zone
Grid Convergence at Surface is: 0.33°

Ladder Plot



LEGEND

—○— 6H, OH, OHV0 —○— 5H, OH, OHV0