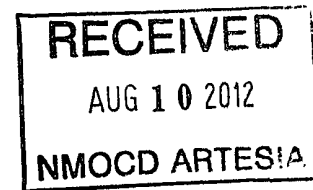


30-015-40584



Weatherford®

Drilling Services

Proposal



devon

JASPER 32 STATE #7H

EDDY COUNTY, NM

WELL FILE: **PLAN 1**

JULY 3, 2012

Weatherford International, Ltd.

P.O. Box 61028

Midland, TX 79711 USA

+1.432.561.8892 Main

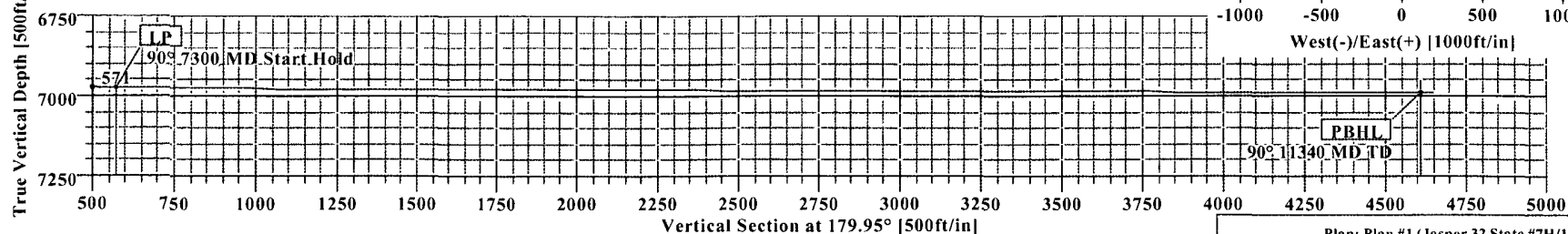
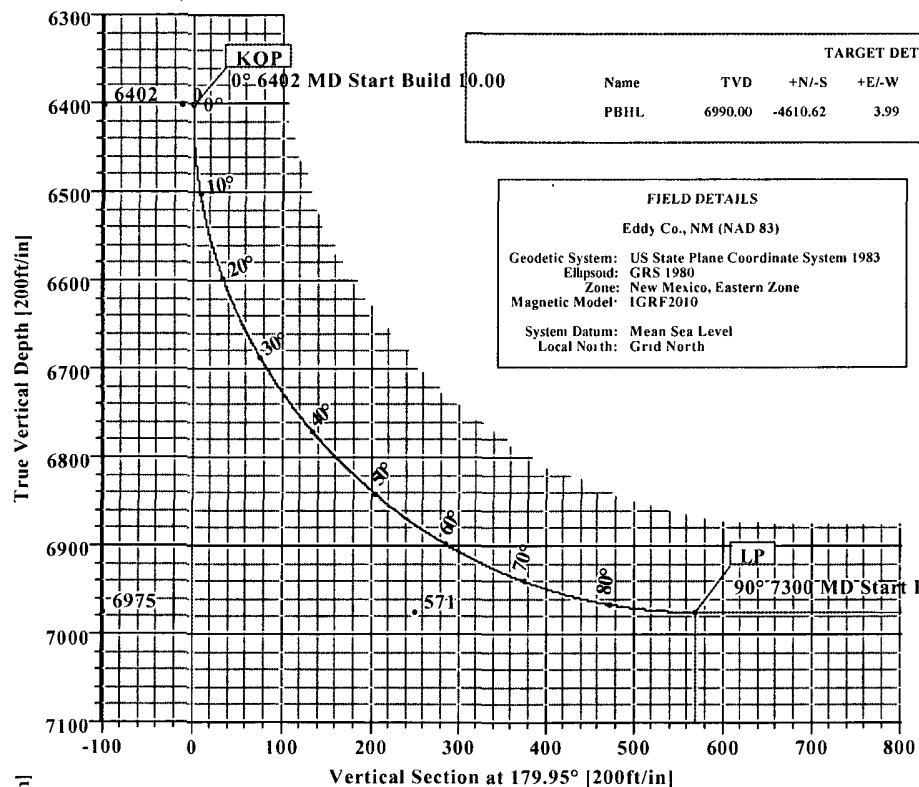
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Jasper 32 State #7H
Eddy Co., New Mexico

KB ELEV: 3287
GL ELEV: 3268



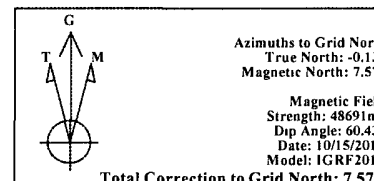
SECTION DETAILS									
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec Target
1	0.00	0.00	179.95	0.00	0.00	0.00	0.00	0.00	0.00
2	6402.05	0.00	179.95	6402.05	0.00	0.00	0.00	0.00	0.00
3	7299.92	89.79	179.95	6975.00	-570.83	0.49	10.00	179.95	570.83
4	11339.74	89.79	179.95	6990.00	-4610.62	3.99	0.00	0.00	4610.62 PBHL

WELL DETAILS						
Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
Jasper 32 State #7H	0.00	0.00	590691.43	614865.12	32°37'25.070N	104°05'40.243W

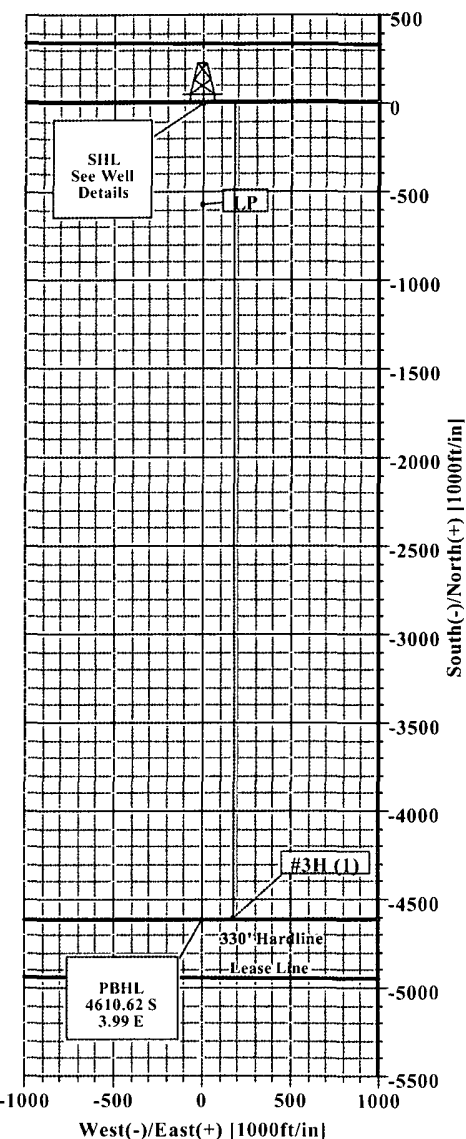
TARGET DETAILS					
Name	TVD	+N/-S	+E/-W	Northing	Easting
PBHL	6990.00	-4610.62	3.99	586080.81	614869.11

FIELD DETAILS
Eddy Co., NM (NAD 83)
Geodetic System: US State Plane Coordinate System 1983
Ellipsoid: GRS 1980
Zone: New Mexico, Eastern Zone
Magnetic Model: IGRF2010
System Datum: Mean Sea Level
Local North: Grid North

SITE DETAILS
Jasper 32 State #7H
Site Centre Northing: 590691.43
Easting: 614865.12
Ground Level: 3268.00
Positional Uncertainty: 0.00
Convergence: 0.13



LEGEND
#3H (1)
1
Plan #1



Plan: Plan #1 (Jasper 32 State #7H/1)
Created By: Russell W. Joyner
Date: 7/3/2012



Weatherford

WFT Plan Report - X & Y's



Company: Devon Energy Date: 7/3/2012 Time: 10:42 51 Page: 1
Field: Eddy Co., NM (NAD 83) Co-ordinate(NE) Reference: Well: Jasper 32 State #7H, Grid North
Site: Jasper 32 State #7H Vertical (TVD) Reference: SITE 3287 0
Well: Jasper 32 State #7H Section (VS) Reference: Well (0 00N,0.00E,179.95Azi)
Wellpath: 1 Survey Calculation Method: Minimum Curvature Db: Sybase

Plan: Plan #1 Date Composed: 7/3/2012
Principal: Yes Version: 1
Tied-to: From Surface

Field: Eddy Co., NM (NAD 83)

Map System: US State Plane Coordinate System 1983 Map Zone: New Mexico, Eastern Zone
Geo Datum: GRS 1980 Coordinate System: Well Centre
Sys Datum: Mean Sea Level Geomagnetic Model: IGRF2010

Site: Jasper 32 State #7H

Site Position: Northing: 590691 43 ft Latitude: 32 37 25 070 N
From: Map Easting: 614865.12 ft Longitude: 104 5 40 243 W
Position Uncertainty: 0 00 ft North Reference: Gnd
Ground Level: 3268 00 ft Grid Convergence: 0.13 deg

Well: Jasper 32 State #7H Slot Name:
Well Position: +N/-S 0.00 ft Northing: 590691 43 ft Latitude: 32 37 25.070 N
+E/-W 0.00 ft Easting: 614865 12 ft Longitude: 104 5 40 243 W
Position Uncertainty: 0.00 ft

Wellpath: 1 Drilled From: Surface
Current Datum: SITE Height 3287.00 ft Tie-on Depth: 0 00 ft
Magnetic Data: 10/15/2012 Above System Datum: Mean Sea Level
Field Strength: 48691 nT Declination: 7 69 deg
Vertical Section: Depth From (TVD) +N/-S +E/-W Mag Dip Angle: 60 43 deg
ft ft ft deg
0.00 0 00 0 00 179 95

Plan Section Information

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg	Target
0.00	0 00	179.95	0 00	0.00	0.00	0 00	0 00	0 00	0 00	
6402 05	0 00	179.95	6402 05	0 00	0.00	0 00	0.00	0 00	0 00	
7299.92	89.79	179.95	6975 00	-570 83	0.49	10 00	10.00	0 00	179 95	
11339.74	89.79	179.95	6990 00	-4610 62	3.99	0 00	0 00	0 00	0 00	PBHL

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	MapN ft	MapE ft	Comment
6402.05	0 00	179 95	6402 05	0 00	0 00	0 00	0.00	590691 43	614865 12	KOP
6450 00	4 80	179.95	6449.94	-2.01	0 00	2 01	10 00	590689 42	614865 12	
6500.00	9 80	179.95	6499.52	-8.35	0 01	8 35	10 00	590683 08	614865.13	
6550 00	14 80	179.95	6548 36	-19 00	0 02	19.00	10 00	590672 43	614865.14	
6600 00	19 80	179 95	6596 09	-33 86	0 03	33.86	10 00	590657 57	614865 15	
6650 00	24 80	179 95	6642 33	-52 82	0 05	52.82	10.00	590638.61	614865 17	
6700 00	29 80	179 95	6686 75	-75 74	0 07	75 74	10 00	590615.69	614865 19	
6750.00	34.80	179 95	6729 00	-102.45	0 09	102.45	10 00	590588.98	614865 21	
6800 00	39 80	179.95	6768 77	-132 73	0 11	132.73	10 00	590558 70	614865.23	
6850 00	44 80	179 95	6805.74	-166 37	0 14	166 37	10 00	590525.06	614865 26	
6900 00	49 80	179 95	6839.64	-203 10	0 18	203.10	10 00	590488 33	614865 30	
6950.00	54.80	179 95	6870 21	-242 65	0 21	242.65	10 00	590448.78	614865 33	
7000 00	59.80	179 95	6897 22	-284 71	0 25	284.71	10 00	590406.72	614865 37	
7050 00	64.80	179 95	6920.46	-328 96	0 28	328.96	10 00	590362 47	614865 40	
7100.00	69.80	179.95	6939 75	-375 07	0 32	375 07	10 00	590316.36	614865 44	
7150 00	74.80	179.95	6954.95	-422 69	0 37	422 69	10 00	590268 74	614865 49	
7200 00	79 80	179 95	6965 94	-471 45	0 41	471.45	10 00	590219.98	614865.53	



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WFT Plan Report - X & Y's

**Weatherford**

Company: Devon Energy
Field: Eddy Co., NM (NAD 83)
Site: Jasper 32 State #7H
Well: Jasper 32 State #7H
Wellpath: 1

Date: 7/3/2012 Time: 10.42.51 Page: 2
Co-ordinate(NE) Reference: Well: Jasper 32 State #7H, Grd North
Vertical (TVD) Reference: SITE 3287.0
Section (VS) Reference: Well (0.00N,0.00E,179.95Az)
Survey Calculation Method: Minimum Curvature Db: Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	MapN ft	MapE ft	Comment
7250.00	84.80	179.95	6972.65	-520.98	0.45	520.98	10.00	590170.45	614865.57	LP
7299.92	89.79	179.95	6975.00	-570.83	0.49	570.83	10.00	590120.60	614865.61	
7400.00	89.79	179.95	6975.38	-670.91	0.58	670.91	0.00	590020.52	614865.70	
7500.00	89.79	179.95	6975.75	-770.91	0.67	770.91	0.00	589920.52	614865.79	
7600.00	89.79	179.95	6976.12	-870.91	0.75	870.91	0.00	589820.52	614865.87	
7700.00	89.79	179.95	6976.49	-970.90	0.84	970.91	0.00	589720.53	614865.96	
7800.00	89.79	179.95	6976.86	-1070.90	0.93	1070.90	0.00	589620.53	614866.05	
7900.00	89.79	179.95	6977.23	-1170.90	1.01	1170.90	0.00	589520.53	614866.13	
8000.00	89.79	179.95	6977.60	-1270.90	1.10	1270.90	0.00	589420.53	614866.22	
8100.00	89.79	179.95	6977.97	-1370.90	1.19	1370.90	0.00	589320.53	614866.31	
8200.00	89.79	179.95	6978.35	-1470.90	1.27	1470.90	0.00	589220.53	614866.39	
8300.00	89.79	179.95	6978.72	-1570.90	1.36	1570.90	0.00	589120.53	614866.48	
8400.00	89.79	179.95	6979.09	-1670.90	1.45	1670.90	0.00	589020.53	614866.57	
8500.00	89.79	179.95	6979.46	-1770.90	1.53	1770.90	0.00	588920.53	614866.65	
8600.00	89.79	179.95	6979.83	-1870.90	1.62	1870.90	0.00	588820.53	614866.74	
8700.00	89.79	179.95	6980.20	-1970.90	1.71	1970.90	0.00	588720.53	614866.83	
8800.00	89.79	179.95	6980.57	-2070.90	1.79	2070.90	0.00	588620.53	614866.91	
8900.00	89.79	179.95	6980.94	-2170.90	1.88	2170.90	0.00	588520.53	614867.00	
9000.00	89.79	179.95	6981.31	-2270.90	1.97	2270.90	0.00	588420.53	614867.09	
9100.00	89.79	179.95	6981.69	-2370.89	2.05	2370.90	0.00	588320.54	614867.17	
9200.00	89.79	179.95	6982.06	-2470.89	2.14	2470.89	0.00	588220.54	614867.26	
9300.00	89.79	179.95	6982.43	-2570.89	2.22	2570.89	0.00	588120.54	614867.34	
9400.00	89.79	179.95	6982.80	-2670.89	2.31	2670.89	0.00	588020.54	614867.43	
9500.00	89.79	179.95	6983.17	-2770.89	2.40	2770.89	0.00	587920.54	614867.52	
9600.00	89.79	179.95	6983.54	-2870.89	2.48	2870.89	0.00	587820.54	614867.60	
9700.00	89.79	179.95	6983.91	-2970.89	2.57	2970.89	0.00	587720.54	614867.69	
9800.00	89.79	179.95	6984.28	-3070.89	2.66	3070.89	0.00	587620.54	614867.78	
9900.00	89.79	179.95	6984.66	-3170.89	2.74	3170.89	0.00	587520.54	614867.86	
10000.00	89.79	179.95	6985.03	-3270.89	2.83	3270.89	0.00	587420.54	614867.95	
10100.00	89.79	179.95	6985.40	-3370.89	2.92	3370.89	0.00	587320.54	614868.04	
10200.00	89.79	179.95	6985.77	-3470.89	3.00	3470.89	0.00	587220.54	614868.12	
10300.00	89.79	179.95	6986.14	-3570.89	3.09	3570.89	0.00	587120.54	614868.21	
10400.00	89.79	179.95	6986.51	-3670.89	3.18	3670.89	0.00	587020.54	614868.30	
10500.00	89.79	179.95	6986.88	-3770.88	3.26	3770.89	0.00	586920.55	614868.38	
10600.00	89.79	179.95	6987.25	-3870.88	3.35	3870.89	0.00	586820.55	614868.47	
10700.00	89.79	179.95	6987.63	-3970.88	3.44	3970.88	0.00	586720.55	614868.56	
10800.00	89.79	179.95	6988.00	-4070.88	3.52	4070.88	0.00	586620.55	614868.64	
10900.00	89.79	179.95	6988.37	-4170.88	3.61	4170.88	0.00	586520.55	614868.73	
11000.00	89.79	179.95	6988.74	-4270.88	3.70	4270.88	0.00	586420.55	614868.82	
11100.00	89.79	179.95	6989.11	-4370.88	3.78	4370.88	0.00	586320.55	614868.90	
11200.00	89.79	179.95	6989.48	-4470.88	3.87	4470.88	0.00	586220.55	614868.99	
11300.00	89.79	179.95	6989.85	-4570.88	3.96	4570.88	0.00	586120.55	614869.08	
11339.74	89.79	179.95	6990.00	-4610.62	3.99	4610.62	0.00	586080.81	614869.11	PBHL

Targets

Name	Description	Dir.	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	<--- Latitude --->			<--- Longitude --->		
	Dip.							Deg	Min	Sec	Deg	Min	Sec
PBHL			6990.00	-4610.62	3.99	586080.81	614869.11	32	36	39.446 N	104	5 40	318 W



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WFT Plan Report - X & Y's



Company: Devon Energy	Date: 7/3/2012	Time: 10:42 51	Page: 3
Field: Eddy Co , NM (NAD 83)	Co-ordinate(NE) Reference: Well: Jasper 32 State #7H, Grd North		
Site: Jasper 32 State #7H	Vertical (TVD) Reference: SITE 3287.0		
Well: Jasper 32 State #7H	Section (VS) Reference: Well (0 00N,0 00E,179 95Azi)		
Wellpath: 1	Survey Calculation Method: Minimum Curvature		Db: Sybase

Casing Points

MD	TVD	Diameter	Hole Size	Name

Annotation

MD ft	TVD ft	
6402.05	6402.05	KOP
7299.92	6975.00	LP
11339.74	6990.00	PBHL

Formations

MD	TVD	Formations	Lithology	Dip Angle	Dip Direction



Weatherford Anticollision Report



Company: Devon Energy Date: 7/3/2012 Time: 10 47 33 Page: 1
Field: Eddy Co., NM (NAD 83)
Reference Site: Jasper 32 State #7H Co-ordinate(NE) Reference: Well Jasper 32 State #7H, Grid North
Reference Well: Jasper 32 State #7H Vertical (TVD) Reference: SITE 3287.0
Reference Wellpath: Db: Sybase

NO GLOBAL SCAN: Using user defined selection & scan criteria
Interpolation Method MD Interval: 100 00 ft
Depth Range: 0 00 to 11339 74 ft
Maximum Radius 40000.00 ft

Reference: Plan: Plan #1
Error Model: ISCWSA Ellipse
Scan Method: Closest Approach 3D
Error Surface: Ellipse

Plan: Plan #1

Date Composed: 7/3/2012

Principal: Yes

Version: 1

Tied-to: From Surface

Summary

Site	Offset Wellpath Well	Wellpath	Reference MD ft	Offset MD ft	Ctr-Ctr Edge Distance ft	Separation Distance ft	Factor	Warning
Jasper 32 State #3H #3H	1 V0 Plan	Plan #2 V1	6500 00	6497.52	175 09	146 14	6 05	

Site: Jasper 32 State #3H

Well: #3H

Wellpath: 1 V0 Plan Plan #2 V1

Inter-Site Error: 0.00 ft

Reference MD ft	TVD ft	Offset MD ft	TVD ft	Semi-Major Axis Ref ft	Offset ft	TFO-HS deg	Offset Location North ft	East ft	Ctr-Ctr Edge Distance ft	Separation Distance ft	Factor	Warning
0 00	0 00	2 00	-2.00	0 00	0.00	90.18	-0 54	174 92	174 92	174.92	94906 73	
100 00	100.00	98 00	98 00	0 09	0 09	90 18	-0 54	174 92	174 92	174.74	964.59	
200 00	200.00	198 00	198 00	0 32	0 31	90 18	-0 54	174 92	174 92	174.29	278 44	
300 00	300.00	298 00	298 00	0 54	0 54	90 18	-0 54	174 92	174 92	173.84	162 30	
400.00	400 00	398 00	398 00	0 77	0 76	90 18	-0 54	174 92	174 92	173 39	114 53	
500.00	500 00	498.00	498.00	0 99	0 99	90 18	-0 54	174 92	174 92	172 94	88.49	
600 00	600 00	598.00	598.00	1 21	1 21	90.18	-0.54	174.92	174 92	172 49	72.09	
700 00	700 00	698.00	698.00	1 44	1 44	90 18	-0 54	174 92	174.92	172 04	60 82	
800.00	800 00	798.00	798 00	1 66	1 66	90 18	-0 54	174.92	174.92	171 60	52 60	
900.00	900.00	898 00	898 00	1 89	1 89	90.18	-0.54	174.92	174.92	171 15	46 34	
1000 00	1000 00	998 00	998 00	2 11	2 11	90.18	-0.54	174.92	174.92	170 70	41.41	
1100.00	1100 00	1098 00	1098 00	2 34	2 34	90.18	-0.54	174.92	174 92	170.25	37.42	
1200 00	1200 00	1198 00	1198 00	2 56	2 56	90.18	-0.54	174 92	174.92	169.80	34 14	
1300 00	1300 00	1298 00	1298 00	2 79	2 78	90.18	-0.54	174.92	174.92	169 35	31.39	
1400.00	1400 00	1398 00	1398 00	3 01	3 01	90.18	-0 54	174 92	174 92	168.90	29.04	
1500.00	1500.00	1498 00	1498 00	3 24	3 23	90.18	-0 54	174 92	174 92	168.45	27.03	
1600 00	1600.00	1598 00	1598 00	3 46	3 46	90.18	-0.54	174 92	174 92	168 00	25 27	
1700.00	1700.00	1698.00	1698 00	3 69	3 68	90 18	-0 54	174 92	174 92	167 55	23 73	
1800 00	1800 00	1798 00	1798 00	3 91	3 91	90.18	-0 54	174 92	174 92	167 10	22.37	
1900 00	1900 00	1898 00	1898 00	4 14	4 13	90 18	-0 54	174 92	174.92	166 65	21 15	
2000.00	2000 00	1998 00	1998 00	4 36	4 36	90 18	-0 54	174 92	174 92	166 20	20.06	
2100 00	2100 00	2098 00	2098 00	4 59	4 58	90 18	-0 54	174 92	174 92	165 75	19.08	
2200 00	2200 00	2198 00	2198 00	4 81	4 81	90.18	-0.54	174 92	174 92	165 30	18.19	
2300 00	2300 00	2298 00	2298 00	5 04	5 03	90 18	-0 54	174.92	174.92	164 85	17.37	
2400 00	2400.00	2398.00	2398 00	5 26	5 26	90 18	-0 54	174 92	174 92	164.40	16 63	
2500 00	2500 00	2498 00	2498.00	5 49	5 48	90 18	-0 54	174.92	174 92	163.95	15.95	
2600 00	2600.00	2598 00	2598 00	5 71	5 71	90 18	-0 54	174.92	174 92	163.50	15.32	
2700.00	2700 00	2698.00	2698.00	5 93	5 93	90.18	-0.54	174 92	174 92	163 05	14.74	
2800.00	2800 00	2798.00	2798 00	6 16	6 16	90.18	-0.54	174 92	174.92	162.60	14 20	
2900.00	2900 00	2898 00	2898 00	6 38	6 38	90.18	-0.54	174.92	174.92	162 16	13 70	
3000 00	3000 00	2998 00	2998.00	6 61	6 61	90.18	-0.54	174.92	174 92	161.71	13 24	
3100 00	3100 00	3098 00	3098.00	6 83	6 83	90.18	-0.54	174.92	174.92	161 26	12 80	
3200 00	3200 00	3198 00	3198.00	7 06	7 06	90 18	-0 54	174.92	174.92	160.81	12 39	
3300.00	3300.00	3298.00	3298 00	7 28	7 28	90.18	-0.54	174.92	174.92	160 36	12 01	
3400 00	3400 00	3398.00	3398 00	7 51	7 50	90.18	-0.54	174 92	174.92	159.91	11 65	
3500 00	3500.00	3498.00	3498 00	7 73	7 73	90 18	-0 54	174 92	174 92	159.46	11.31	



Weatherford Anticollision Report



Company: Devon Energy
Field: Eddy Co., NM (NAD 83)
Reference Site: Jasper 32 State #7H
Reference Well: Jasper 32 State #7H
Reference Wellpath:

Date: 7/3/2012 Time: 10 47:33 Page: 2
Co-ordinate(NE) Reference: Well. Jasper 32 State #7H, Grd North
Vertical (TVD) Reference: SITE 3287 0
Db: Sybase

Site: Jasper 32 State #3H
Well: #3H
Wellpath: 1 V0 Plan: Plan #2 V1

Inter-Site Error: 0.00 ft

Reference MD	Reference TVD	Offset MD	Offset TVD	Semi-Major Axis Ref	Semi-Major Axis Offset	Semi-Major Axis TFO-HS	Offset Location North	Offset Location East	Ctr-Ctr Edge Distance	Edge Distance	Separation Factor	Warning
ft	ft	ft	ft	ft	ft	deg	ft	ft	ft	ft		
3600.00	3600.00	3598.00	3598.00	7.96	7.95	90.18	-0.54	174.92	174.92	159.01	10.99	
3700.00	3700.00	3698.00	3698.00	8.18	8.18	90.18	-0.54	174.92	174.92	158.56	10.69	
3800.00	3800.00	3798.00	3798.00	8.41	8.40	90.18	-0.54	174.92	174.92	158.11	10.40	
3900.00	3900.00	3898.00	3898.00	8.63	8.63	90.18	-0.54	174.92	174.92	157.66	10.13	
4000.00	4000.00	3998.00	3998.00	8.86	8.85	90.18	-0.54	174.92	174.92	157.21	9.88	
4100.00	4100.00	4098.00	4098.00	9.08	9.08	90.18	-0.54	174.92	174.92	156.76	9.63	
4200.00	4200.00	4198.00	4198.00	9.31	9.30	90.18	-0.54	174.92	174.92	156.31	9.40	
4300.00	4300.00	4298.00	4298.00	9.53	9.53	90.18	-0.54	174.92	174.92	155.86	9.18	
4400.00	4400.00	4398.00	4398.00	9.76	9.75	90.18	-0.54	174.92	174.92	155.41	8.97	
4500.00	4500.00	4498.00	4498.00	9.98	9.98	90.18	-0.54	174.92	174.92	154.96	8.76	
4600.00	4600.00	4598.00	4598.00	10.21	10.20	90.18	-0.54	174.92	174.92	154.51	8.57	
4700.00	4700.00	4698.00	4698.00	10.43	10.43	90.18	-0.54	174.92	174.92	154.06	8.39	
4800.00	4800.00	4798.00	4798.00	10.66	10.65	90.18	-0.54	174.92	174.92	153.61	8.21	
4900.00	4900.00	4898.00	4898.00	10.88	10.88	90.18	-0.54	174.92	174.92	153.16	8.04	
5000.00	5000.00	4998.00	4998.00	11.10	11.10	90.18	-0.54	174.92	174.92	152.72	7.88	
5100.00	5100.00	5098.00	5098.00	11.33	11.33	90.18	-0.54	174.92	174.92	152.27	7.72	
5200.00	5200.00	5198.00	5198.00	11.55	11.55	90.18	-0.54	174.92	174.92	151.82	7.57	
5300.00	5300.00	5298.00	5298.00	11.78	11.78	90.18	-0.54	174.92	174.92	151.37	7.43	
5400.00	5400.00	5398.00	5398.00	12.00	12.00	90.18	-0.54	174.92	174.92	150.92	7.29	
5500.00	5500.00	5498.00	5498.00	12.23	12.23	90.18	-0.54	174.92	174.92	150.47	7.15	
5600.00	5600.00	5598.00	5598.00	12.45	12.45	90.18	-0.54	174.92	174.92	150.02	7.02	
5700.00	5700.00	5698.00	5698.00	12.68	12.67	90.18	-0.54	174.92	174.92	149.57	6.90	
5800.00	5800.00	5798.00	5798.00	12.90	12.90	90.18	-0.54	174.92	174.92	149.12	6.78	
5900.00	5900.00	5898.00	5898.00	13.13	13.12	90.18	-0.54	174.92	174.92	148.67	6.66	
6000.00	6000.00	5998.00	5998.00	13.35	13.35	90.18	-0.54	174.92	174.92	148.22	6.55	
6100.00	6100.00	6098.00	6098.00	13.58	13.57	90.18	-0.54	174.92	174.92	147.77	6.44	
6200.00	6200.00	6198.00	6198.00	13.80	13.80	90.18	-0.54	174.92	174.92	147.32	6.34	
6300.00	6300.00	6298.00	6298.00	14.03	14.02	90.18	-0.54	174.92	174.92	146.87	6.24	
6400.00	6400.00	6398.00	6398.00	14.25	14.25	90.18	-0.54	174.92	174.92	146.42	6.14	
6500.00	6499.52	6497.52	6497.52	14.48	14.47	267.53	-0.54	174.92	175.09	146.14	6.05	
6600.00	6596.09	6594.09	6594.09	14.72	14.69	259.89	-0.54	174.92	178.04	148.65	6.06	
6700.00	6686.75	6684.75	6684.75	15.00	14.89	249.58	-0.54	174.92	190.34	160.64	6.41	
6800.00	6768.77	6766.77	6766.77	15.34	15.08	239.89	-0.54	174.92	219.16	189.41	7.37	
6900.00	6839.64	6837.64	6837.64	15.78	15.24	233.24	-0.54	174.92	267.52	237.92	9.04	
7000.00	6897.22	6895.22	6895.22	16.35	15.37	230.76	-0.54	174.92	333.56	303.98	11.28	
7100.00	6939.75	6937.75	6937.75	17.08	15.46	233.53	-0.54	174.92	413.23	383.02	13.68	
7200.00	6965.94	6963.94	6963.94	17.95	15.52	244.51	-0.54	174.92	502.20	470.10	15.64	
7299.92	6975.00	6973.00	6973.00	18.94	15.54	269.31	-0.54	174.92	596.37	561.89	17.29	
7400.00	6975.38	6973.38	6973.38	20.05	15.54	269.19	-0.54	174.92	692.67	657.08	19.46	
7500.00	6975.75	6973.75	6973.75	21.25	15.54	269.06	-0.54	174.92	789.83	753.04	21.47	
7600.00	6976.12	6974.12	6974.12	22.54	15.54	268.94	-0.54	174.92	887.62	849.54	23.31	
7700.00	6976.49	8577.09	7855.98	23.90	25.24	191.23	-968.55	175.86	898.70	876.45	40.38	
7800.00	6976.86	8677.09	7856.23	25.32	26.59	191.23	-1068.54	175.96	898.58	875.28	38.56	
7900.00	6977.23	8777.09	7856.48	26.79	27.99	191.23	-1168.54	176.06	898.47	874.05	36.80	
8000.00	6977.60	8877.09	7856.73	28.30	29.44	191.24	-1268.54	176.15	898.35	872.77	35.12	
8100.00	6977.97	8977.09	7856.97	29.85	30.93	191.24	-1368.54	176.25	898.23	871.44	33.53	
8200.00	6978.35	9077.09	7857.22	31.43	32.45	191.24	-1468.54	176.35	898.11	870.07	32.03	
8300.00	6978.72	9177.09	7857.47	33.03	34.01	191.24	-1568.54	176.45	897.99	868.67	30.62	
8400.00	6979.09	9277.09	7857.72	34.66	35.59	191.25	-1668.54	176.54	897.87	867.24	29.31	
8500.00	6979.46	9377.09	7857.97	36.30	37.20	191.25	-1768.54	176.64	897.75	865.78	28.07	
8600.00	6979.83	9477.09	7858.22	37.96	38.82	191.25	-1868.54	176.74	897.64	864.29	26.92	



Weatherford Anticollision Report

**Weatherford**

Company: Devon Energy
Field: Eddy Co., NM (NAD 83)
Reference Site: Jasper 32 State #7H
Reference Well: Jasper 32 State #7H
Reference Wellpath:

Date: 7/3/2012 Time: 10 47:33 Page: 3
Co-ordinate(NE) Reference: Well Jasper 32 State #7H, Gnd North
Vertical (TVD) Reference: SITE 3287 0
Db: Sybase

Site: Jasper 32 State #3H
Well: #3H
Wellpath: 1 V0 Plan. Plan #2 V1

Inter-Site Error: 0 00 ft

Reference		Offset		Semi-Major Axis		Offset Location		Ctr-Ctr Edge		Separation	Warning
MD ft	TVD ft	MD ft	TVD ft	Ref ft	Offset ft	TFO-HS deg	North ft	East ft	Distance ft	Distance ft	
8700 00	6980.20	9577.09	7858.46	39.64	40.46	191.25 -1968 54	176 84		897.52	862.79	25 84
8800 00	6980.57	9677 09	7858 71	41 33	42.12	191.25 -2068 54	176.93		897 40	861.27	24.84
8900 00	6980.94	9777.09	7858 96	43 04	43 79	191.26 -2168 54	177.03		897 28	859.73	23 90
9000 00	6981 31	9877.09	7859 21	44.75	45 48	191 26 -2268 54	177.13		897 16	858.18	23 01
9100.00	6981.69	9977 09	7859 46	46.47	47 17	191 26 -2368 54	177.23		897 04	856.61	22 19
9200.00	6982 06	10077 09	7859.71	48 20	48 88	191.26 -2468 54	177.32		896 93	855.03	21.41
9300.00	6982.43	10177.09	7859.95	49.94	50 59	191 27 -2568 54	177.42		896 81	853 45	20 68
9400.00	6982 80	10277.09	7860.20	51 68	52 31	191 27 -2668 54	177.52		896 69	851 85	20.00
9500.00	6983 17	10377.09	7860.45	53 43	54 04	191.27 -2768 54	177.62		896.57	850.24	19 35
9600.00	6983 54	10477.09	7860 70	55 18	55 78	191 27 -2868 54	177.71		896.45	848 63	18 75
9700 00	6983 91	10577 09	7860 95	56 94	57 52	191.27 -2968 54	177 81		896.33	847 01	18.17
9800.00	6984 28	10677.09	7861 20	58 71	59.26	191.28 -3068 54	177.91		896.22	845 38	17 63
9900.00	6984 66	10777.09	7861.44	60 47	61.02	191.28 -3168 54	178 01		896.10	843 75	17.12
10000.00	6985.03	10877.09	7861 69	62 25	62.77	191.28 -3268 54	178.10		895.98	842 11	16 63
10100.00	6985.40	10977.09	7861.94	64 02	64.53	191 28 -3368 53	178.20		895.86	840 46	16.17
10200 00	6985.77	11077.09	7862 19	65 80	66.30	191.29 -3468 53	178.30		895 74	838 81	15.73
10300.00	6986.14	11177 09	7862.44	67 58	68.06	191.29 -3568 53	178 39		895.62	837 16	15 32
10400.00	6986.51	11277 09	7862 69	69.36	69.84	191 29 -3668 53	178 49		895 51	835 51	14.93
10500 00	6986 88	11377.09	7862 93	71.15	71 61	191.29 -3768 53	178 59		895 39	833.84	14.55
10600 00	6987 25	11477.09	7863.18	72.94	73.39	191 29 -3868 53	178.69		895.27	832 18	14 19
10700 00	6987.63	11577.09	7863 43	74.73	75 17	191 30 -3968 53	178.78		895 15	830 51	13 85
10800 00	6988 00	11677.09	7863.68	76.52	76.95	191.30 -4068 53	178 88		895 03	828 84	13 52
10900 00	6988.37	11777.09	7863.93	78.31	78 73	191.30 -4168 53	178 98		894 91	827.17	13.21
11000 00	6988 74	11877.09	7864.17	80 11	80 52	191 30 -4268 53	179.08		894 79	825.50	12 91
11100 00	6989 11	11977.09	7864.42	81 90	82.31	191 31 -4368 53	179.17		894 68	823.82	12 63
11200 00	6989 48	12077 09	7864.67	83.70	84.10	191 31 -4468 53	179 27		894 56	822.14	12 35
11300 00	6989 85	12177 09	7864.92	85.50	85 89	191 31 -4568 53	179 37		894 44	820.45	12 09
11339 74	6990.00	12216.83	7865.02	86.22	86 60	191 31 -4608 27	179 41		894.39	819.79	11 99

**Weatherford®****Weatherford Drilling Services**

GeoDec v5.03

Report Date: July 03, 2012
Job Number: _____
Customer: Devon Energy
Well Name: Jasper 32 State #7H
API Number: _____
Rig Name: _____
Location: Eddy Co., NM
Block: _____
Engineer: KRN

US State Plane 1983	Geodetic Latitude / Longitude
System: New Mexico Eastern Zone	System: Latitude / Longitude
Projection: Transverse Mercator/Gauss Kruger	Projection: Geodetic Latitude and Longitude
Datum: North American Datum 1983	Datum: North American Datum 1983
Ellipsoid: GRS 1980	Ellipsoid: GRS 1980
North/South 590691.430 USFT	Latitude 32.6236338 DEG
East/West 614865.120 USFT	Longitude -104.0945080 DEG
Grid Convergence: -.13°	
Total Correction: +7.56°	

Geodetic Location WGS84	Elevation =	0.0 Meters
Latitude =	32.62363° N	32° 37 min 25.082 sec
Longitude =	104.09451° W	104° 5 min 40.229 sec

Magnetic Declination =	7.69°	[True North Offset]
Local Gravity =	.9988 g	Checksum = 6651
Local Field Strength =	48687 nT	Magnetic Vector X = 23807 nT
Magnetic Dip =	60.43°	Magnetic Vector Y = 3217 nT
Magnetic Model =	IGRF-2010g11	Magnetic Vector Z = 42347 nT
Spud Date =	Oct 15, 2012	Magnetic Vector H = 24024 nT

Signed: _____ Date: _____