

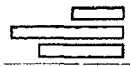
30025-41027



Weatherford®

Drilling Services

Proposal



devon

TIGER SNAKE 33 STATE 2H

LEA COUNTY, NM

WELL FILE: **PLAN 1**

FEBRUARY 22, 2013

Weatherford International, Ltd.

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MAR 05 2013

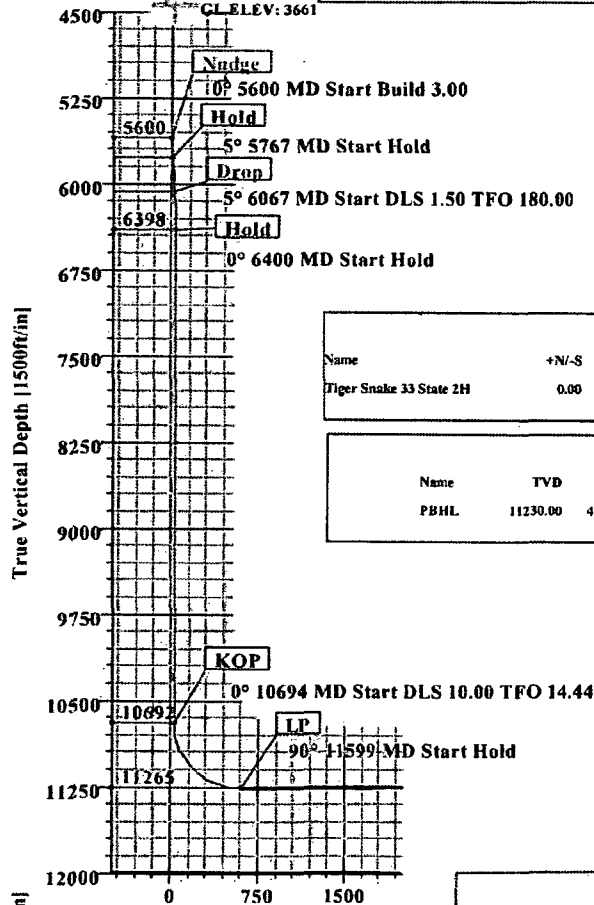
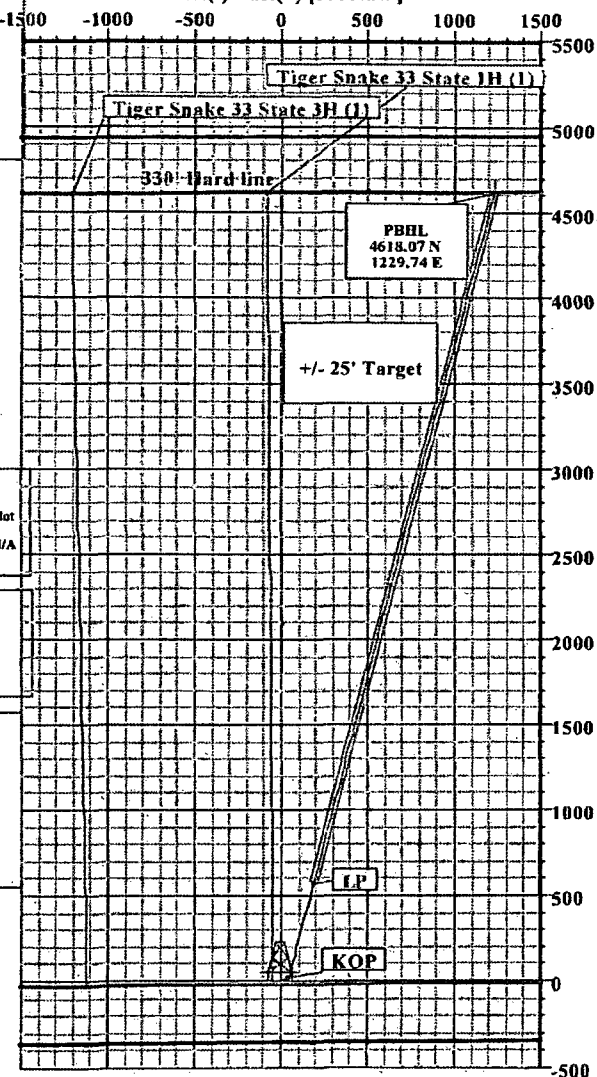
devon

Tiger Snake 33 State #2H
Lea County, New Mexico

SECTION DETAILS

Sec	MD	Inc	Asi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	5600.00	0.00	0.00	5600.00	0.00	0.00	0.00	0.00	0.00	
3	5766.67	5.00	70.00	5766.46	2.49	6.83	3.00	70.00	4.16	
4	6066.67	5.00	70.00	6065.31	11.43	31.40	0.00	0.00	19.12	
5	6400.00	0.00	0.00	6398.22	16.40	45.06	1.50	180.00	27.44	
6	10693.84	0.00	0.00	10692.06	16.40	45.06	0.00	0.00	27.44	
7	11593.64	90.48	14.44	11265.00	575.92	189.10	10.00	14.44	605.18	
8	15772.74	90.48	14.44	11230.00	4618.07	1229.74	0.00	0.00	4779.00	PBHL

West(-)/East(+) [1000ft/in]



WELL DETAILS

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
Tiger Snake 33 State 2H	0.00	0.00	457321.66	774428.37	32°15'17.999N	103°34'45.546W	N/A

TARGET DETAILS

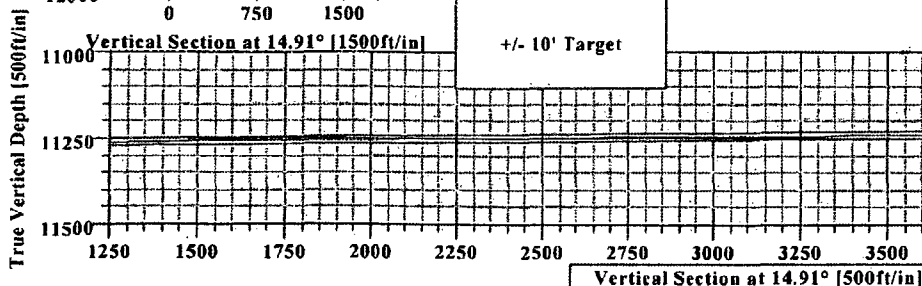
Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
PBHL	11230.00	4618.07	1229.74	461939.73	775658.11	Rectangle (4174x50)

SITE DETAILS

Tiger Snake 33 State 2H
Site Centre Northing: 457321.66
Easting: 774428.37
Ground Level: 3660.00
Positional Uncertainty: 0.00
Convergence: 0.40

LEGEND

- Tiger Snake 33 State 3H (1)
- Tiger Snake 33 State 3H (1)
- Plan #1



Weatherford®

Plan #1 (Tiger Snake 33 State 2H/1)

Created By: Russell W. Joyner

Date: 2/22/2013



Weatherford International Ltd.

WFT Plan Report - X & Y's

**Weatherford**

Company: Devon Energy		Date: 2/22/2013	Time: 11:01:56	Page: 1
Field: Lea County, New Mexico (NAD 83)		Co-ordinate(NE) Reference: Well: Tiger Snake 33 State 2H, Grid North		
Site: Tiger Snake 33 State 2H		Vertical (TVD) Reference: SITE 3685.0		
Well: Tiger Snake 33 State 2H		Section (VS) Reference: Well (0.00N, 0.00E, 14.91Azi)		
Wellpath: 1		Survey/Calculation Method: Minimum Curvature		Db: Sybase

Plan: Plan #1	Date Composed: 2/22/2013
Principal: Yes	Version: 1
	Tied-to: From Surface

Site: Tiger Snake 33 State 2H		
Site Position:	Northing: 457321.66 ft	Latitude: 32 15 17.999 N
From: Map	Easting: 774428.37 ft	Longitude: 103 34 45.546 W
Position Uncertainty: 0.00 ft		North Reference: Grid
Ground Level: 3660.00 ft		Grid Convergence: 0.40 deg

Well: Tiger Snake 33 State 2H		Slot Name:	
Well Position: +N/-S 0.00 ft	Northing: 457321.66 ft	Latitude: 32 15 17.999 N	
+E/-W 0.00 ft	Easting: 774428.37 ft	Longitude: 103 34 45.546 W	
Position Uncertainty: 0.00 ft			

Wellpath: 1	Drilled From: Surface		
Current Datum: SITE	Tie-on Depth: 0.00 ft		
Magnetic Data: 7/25/2013	Above System Datum: Mean Sea Level		
Field Strength: 48448 nT	Declination: 7.33 deg		
Vertical Section: Depth From (TVD)	Mag Dip Angle: 60.16 deg		
ft	+N/-S ft	+E/-W ft	Direction deg
0.00	0.00	0.00	14.91

Plan Section Information										
MD	Incl	Azim	TVD	+N/-S	+E/-W	DLS	Build	Turn	TFO	Target
ft	deg	deg	ft	ft	ft	deg/100ft	deg/100ft	deg/100ft	deg	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5600.00	0.00	0.00	5600.00	0.00	0.00	0.00	0.00	0.00	0.00	
5766.67	5.00	70.00	5766.46	2.49	6.83	3.00	3.00	0.00	70.00	
6066.67	5.00	70.00	6065.31	11.43	31.40	0.00	0.00	0.00	0.00	
6400.00	0.00	0.00	6398.22	16.40	45.06	1.50	-1.50	-21.00	180.00	
10693.84	0.00	0.00	10692.06	16.40	45.06	0.00	0.00	0.00	0.00	
11598.64	90.48	14.44	11265.00	575.92	189.10	10.00	10.00	1.60	14.44	
15772.74	90.48	14.44	11230.00	4618.07	1229.74	0.00	0.00	0.00	0.00	PBHL

Survey										
MD	Incl	Azim	TVD	N/S	E/W	VS	DLS	MapN	MapE	Comment
ft	deg	deg	ft	ft	ft	ft	deg/100ft	ft	ft	
5600.00	0.00	0.00	5600.00	0.00	0.00	0.00	0.00	457321.68	774428.37	Nudge
5700.00	3.00	70.00	5699.95	0.90	2.46	1.50	3.00	457322.56	774430.83	
5766.67	5.00	70.00	5766.46	2.49	6.83	4.16	3.00	457324.15	774435.20	Hold
5800.00	5.00	70.00	5799.66	3.48	9.56	5.82	0.00	457325.14	774437.93	
5900.00	5.00	70.00	5899.28	6.46	17.75	10.81	0.00	457328.12	774446.12	
6000.00	5.00	70.00	5998.90	9.44	25.94	15.80	0.00	457331.10	774454.31	
6066.67	5.00	70.00	6065.31	11.43	31.40	19.12	0.00	457333.09	774459.77	Drop
6100.00	4.50	70.00	6098.53	12.37	33.99	20.70	1.50	457334.03	774462.36	
6200.00	3.00	70.00	6198.32	14.61	40.14	24.45	1.50	457336.27	774468.51	
6300.00	1.50	70.00	6298.24	15.95	43.83	26.69	1.50	457337.61	774472.20	
6400.00	0.00	0.00	6398.22	16.40	45.06	27.44	1.50	457338.06	774473.43	Hold
6500.00	0.00	0.00	6498.22	16.40	45.06	27.44	0.00	457338.06	774473.43	
6600.00	0.00	0.00	6598.22	16.40	45.06	27.44	0.00	457338.06	774473.43	
6700.00	0.00	0.00	6698.22	16.40	45.06	27.44	0.00	457338.06	774473.43	
6800.00	0.00	0.00	6798.22	16.40	45.06	27.44	0.00	457338.06	774473.43	
6900.00	0.00	0.00	6898.22	16.40	45.06	27.44	0.00	457338.06	774473.43	
7000.00	0.00	0.00	6998.22	16.40	45.06	27.44	0.00	457338.06	774473.43	
7100.00	0.00	0.00	7098.22	16.40	45.06	27.44	0.00	457338.06	774473.43	
7200.00	0.00	0.00	7198.22	16.40	45.06	27.44	0.00	457338.06	774473.43	
7300.00	0.00	0.00	7298.22	16.40	45.06	27.44	0.00	457338.06	774473.43	



Weatherford International Ltd.

WFT Plan Report - X & Y's

**Weatherford**

Company: Devon Energy
Field: Lea County, New Mexico (NAD 83)
Site: Tiger Snake 33 State 2H
Well: Tiger Snake 33 State 2H
Wellpath: 1

Date: 2/22/2013
Co-ordinate(N/E) Reference:
Vertical (TVD) Reference:
Section (VS) Reference:
Survey Calculation Method:

Time: 11:01:56
Well: Tiger Snake 33 State 2H, Grid North
SITE 3685.0
Well (0.00N,0.00E,14.91Azi)
Minimum Curvature:

Page: 2
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
7400.00	0.00	0.00	7398.22	16.40	45.06	27.44	0.00	457338.06	774473.43	
7500.00	0.00	0.00	7498.22	16.40	45.06	27.44	0.00	457338.06	774473.43	
7600.00	0.00	0.00	7598.22	16.40	45.06	27.44	0.00	457338.06	774473.43	
7700.00	0.00	0.00	7698.22	16.40	45.06	27.44	0.00	457338.06	774473.43	
7800.00	0.00	0.00	7798.22	16.40	45.06	27.44	0.00	457338.06	774473.43	
7900.00	0.00	0.00	7898.22	16.40	45.06	27.44	0.00	457338.06	774473.43	
8000.00	0.00	0.00	7998.22	16.40	45.06	27.44	0.00	457338.06	774473.43	
8100.00	0.00	0.00	8098.22	16.40	45.06	27.44	0.00	457338.06	774473.43	
8200.00	0.00	0.00	8198.22	16.40	45.06	27.44	0.00	457338.06	774473.43	
8300.00	0.00	0.00	8298.22	16.40	45.06	27.44	0.00	457338.06	774473.43	
8400.00	0.00	0.00	8398.22	16.40	45.06	27.44	0.00	457338.06	774473.43	
8500.00	0.00	0.00	8498.22	16.40	45.06	27.44	0.00	457338.06	774473.43	
8600.00	0.00	0.00	8598.22	16.40	45.06	27.44	0.00	457338.06	774473.43	
8700.00	0.00	0.00	8698.22	16.40	45.06	27.44	0.00	457338.06	774473.43	
8800.00	0.00	0.00	8798.22	16.40	45.06	27.44	0.00	457338.06	774473.43	
8900.00	0.00	0.00	8898.22	16.40	45.06	27.44	0.00	457338.06	774473.43	
9000.00	0.00	0.00	8998.22	16.40	45.06	27.44	0.00	457338.06	774473.43	
9100.00	0.00	0.00	9098.22	16.40	45.06	27.44	0.00	457338.06	774473.43	
9200.00	0.00	0.00	9198.22	16.40	45.06	27.44	0.00	457338.06	774473.43	
9300.00	0.00	0.00	9298.22	16.40	45.06	27.44	0.00	457338.06	774473.43	
9400.00	0.00	0.00	9398.22	16.40	45.06	27.44	0.00	457338.06	774473.43	
9500.00	0.00	0.00	9498.22	16.40	45.06	27.44	0.00	457338.06	774473.43	
9600.00	0.00	0.00	9598.22	16.40	45.06	27.44	0.00	457338.06	774473.43	
9700.00	0.00	0.00	9698.22	16.40	45.06	27.44	0.00	457338.06	774473.43	
9800.00	0.00	0.00	9798.22	16.40	45.06	27.44	0.00	457338.06	774473.43	
9900.00	0.00	0.00	9898.22	16.40	45.06	27.44	0.00	457338.06	774473.43	
10000.00	0.00	0.00	9998.22	16.40	45.06	27.44	0.00	457338.06	774473.43	
10100.00	0.00	0.00	10098.22	16.40	45.06	27.44	0.00	457338.06	774473.43	
10200.00	0.00	0.00	10198.22	16.40	45.06	27.44	0.00	457338.06	774473.43	
10300.00	0.00	0.00	10298.22	16.40	45.06	27.44	0.00	457338.06	774473.43	
10400.00	0.00	0.00	10398.22	16.40	45.06	27.44	0.00	457338.06	774473.43	
10500.00	0.00	0.00	10498.22	16.40	45.06	27.44	0.00	457338.06	774473.43	
10600.00	0.00	0.00	10598.22	16.40	45.06	27.44	0.00	457338.06	774473.43	
10693.84	0.00	0.00	10692.06	16.40	45.06	27.44	0.00	457338.06	774473.43	KOP
10700.00	0.62	14.44	10698.22	16.43	45.07	27.47	10.00	457338.09	774473.44	
10750.00	5.62	14.44	10748.13	19.06	45.74	30.19	10.00	457340.72	774474.11	
10800.00	10.62	14.44	10797.62	25.90	47.50	37.25	10.00	457347.56	774475.87	
10850.00	15.62	14.44	10848.30	36.88	50.33	48.59	10.00	457358.54	774478.70	
10900.00	20.62	14.44	10893.80	51.93	54.21	64.13	10.00	457373.59	774482.58	
10950.00	25.62	14.44	10939.77	70.94	59.10	83.76	10.00	457392.60	774487.47	
11000.00	30.62	14.44	10983.86	93.75	64.97	107.31	10.00	457415.41	774493.34	
11050.00	35.62	14.44	11025.73	120.20	71.78	134.62	10.00	457441.86	774500.15	
11100.00	40.62	14.44	11065.05	150.08	79.47	165.47	10.00	457471.74	774507.84	
11150.00	45.62	14.44	11101.54	183.16	87.99	199.63	10.00	457504.82	774516.36	
11200.00	50.62	14.44	11134.91	219.20	97.27	236.84	10.00	457540.86	774525.64	
11250.00	55.62	14.44	11164.91	257.92	107.24	276.82	10.00	457579.58	774535.61	
11300.00	60.62	14.44	11191.31	299.02	117.82	319.26	10.00	457620.68	774546.19	
11350.00	65.62	14.44	11213.91	342.19	128.93	363.85	10.00	457663.85	774557.30	
11400.00	70.62	14.44	11232.54	387.11	140.50	410.23	10.00	457708.77	774568.87	
11450.00	75.62	14.44	11247.06	433.43	152.42	458.05	10.00	457755.09	774580.79	
11500.00	80.62	14.44	11257.35	480.80	164.62	506.97	10.00	457802.46	774592.99	
11550.00	85.62	14.44	11263.34	528.85	176.99	556.59	10.00	457850.51	774605.36	



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WFT Plan Report - X & Y's

**Weatherford**

Company: Devon Energy Date: 2/22/2013 Time: 11:01:56 Page: 3
Field: Lea County, New Mexico (NAD 83) Co-ordinate(NE) Reference: Well: Tiger Snake 33 State 2H; Grid North
Site: Tiger Snake 33 State 2H Vertical (TVD) Reference: SITE 3685.0
Well: Tiger Snake 33 State 2H Section (VS) Reference: Well (0.00N,0.00E,14.91Azi)
Wellpath: 1 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
11598.64	90.48	14.44	11265.00	575.92	189.10	605.18	10.00	457897.58	774617.47	LP
11800.00	90.48	14.44	11264.99	577.23	189.44	606.54	0.00	457898.89	774617.81	
11700.00	90.48	14.44	11264.15	674.07	214.37	706.54	0.00	457995.73	774642.74	
11800.00	90.48	14.44	11263.31	770.91	239.30	806.53	0.00	458092.57	774667.67	
11900.00	90.48	14.44	11262.47	867.75	264.23	906.52	0.00	458189.41	774692.60	
12000.00	90.48	14.44	11261.63	964.59	289.17	1006.52	0.00	458286.25	774717.54	
12100.00	90.48	14.44	11260.79	1061.43	314.10	1106.51	0.00	458383.09	774742.47	
12200.00	90.48	14.44	11259.96	1158.27	339.03	1206.50	0.00	458479.93	774767.40	
12300.00	90.48	14.44	11259.12	1255.11	363.96	1306.49	0.00	458576.77	774792.33	
12400.00	90.48	14.44	11258.28	1351.94	388.89	1406.49	0.00	458673.60	774817.26	
12500.00	90.48	14.44	11257.44	1448.78	413.82	1506.48	0.00	458770.44	774842.19	
12600.00	90.48	14.44	11256.60	1545.62	438.75	1606.47	0.00	458867.28	774867.12	
12700.00	90.48	14.44	11255.76	1642.46	463.68	1706.47	0.00	458964.12	774892.05	
12800.00	90.48	14.44	11254.92	1739.30	488.61	1806.46	0.00	459060.96	774916.98	
12900.00	90.48	14.44	11254.09	1836.14	513.54	1906.45	0.00	459157.80	774941.91	
13000.00	90.48	14.44	11253.25	1932.98	538.47	2006.45	0.00	459254.64	774966.84	
13100.00	90.48	14.44	11252.41	2029.82	563.40	2106.44	0.00	459351.48	774991.77	
13200.00	90.48	14.44	11251.57	2126.65	588.33	2206.43	0.00	459448.31	775016.70	
13300.00	90.48	14.44	11250.73	2223.49	613.27	2306.43	0.00	459545.15	775041.64	
13400.00	90.48	14.44	11249.89	2320.33	638.20	2406.42	0.00	459641.99	775066.57	
13500.00	90.48	14.44	11249.06	2417.17	663.13	2506.41	0.00	459738.83	775091.50	
13600.00	90.48	14.44	11248.22	2514.01	688.06	2606.40	0.00	459835.67	775116.43	
13700.00	90.48	14.44	11247.38	2610.85	712.99	2706.40	0.00	459932.51	775141.36	
13800.00	90.48	14.44	11246.54	2707.69	737.92	2806.39	0.00	460029.35	775166.29	
13900.00	90.48	14.44	11245.70	2804.53	762.85	2906.38	0.00	460126.19	775191.22	
14000.00	90.48	14.44	11244.86	2901.37	787.78	3006.38	0.00	460223.03	775216.15	
14100.00	90.48	14.44	11244.03	2998.20	812.71	3106.37	0.00	460319.86	775241.08	
14200.00	90.48	14.44	11243.19	3095.04	837.64	3206.36	0.00	460416.70	775266.01	
14300.00	90.48	14.44	11242.35	3191.88	862.57	3306.36	0.00	460513.54	775290.94	
14400.00	90.48	14.44	11241.51	3288.72	887.50	3406.35	0.00	460610.38	775315.87	
14500.00	90.48	14.44	11240.67	3385.56	912.43	3506.34	0.00	460707.22	775340.80	
14600.00	90.48	14.44	11239.83	3482.40	937.37	3606.34	0.00	460804.06	775365.74	
14700.00	90.48	14.44	11238.99	3579.24	962.30	3706.33	0.00	460900.90	775390.67	
14800.00	90.48	14.44	11238.16	3676.08	987.23	3806.32	0.00	460997.74	775415.60	
14900.00	90.48	14.44	11237.32	3772.91	1012.16	3906.31	0.00	461094.57	775440.53	
15000.00	90.48	14.44	11236.48	3869.75	1037.09	4006.31	0.00	461191.41	775465.46	
15100.00	90.48	14.44	11235.64	3966.59	1062.02	4106.30	0.00	461288.25	775490.39	
15200.00	90.48	14.44	11234.80	4063.43	1086.95	4206.29	0.00	461385.09	775515.32	
15300.00	90.48	14.44	11233.96	4160.27	1111.88	4306.29	0.00	461481.93	775540.25	
15400.00	90.48	14.44	11233.13	4257.11	1136.81	4406.28	0.00	461578.77	775565.18	
15500.00	90.48	14.44	11232.29	4353.95	1161.74	4506.27	0.00	461675.61	775590.11	
15600.00	90.48	14.44	11231.45	4450.79	1186.67	4606.27	0.00	461772.45	775615.04	
15700.00	90.48	14.44	11230.61	4547.62	1211.60	4706.26	0.00	461869.28	775639.97	
15772.74	90.48	14.44	11230.00	4618.07	1229.74	4779.00	0.00	461939.73	775658.11	PBHL

Targets

Name	Description	Dir.	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	Latitude Deg Min Sec	Longitude Deg Min Sec
PBHL	-Rectangle (4174x50)		11230.00	4618.07	1229.74	461939.73	775658.11	32 16 3.610 N	103 34 30.847 W



Weatherford International Ltd.

WFT Plan Report - X & Y's



Weatherford

Company: Devon Energy
Field: Lea County, New Mexico (NAD 83)
Site: Tiger Snake 33 State 2H
Well: Tiger Snake 33 State 2H
Wellpath: 1

Date: 2/22/2013
Co-ordinate(NE) Reference: Well: Tiger Snake 33 State 2H Grid North
Vertical (TVD) Reference: SITE 3685.0
Section (VS) Reference: Well (0.00N,0.00E,14.91Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Time: 11:01:56
Page: 4

Casing Points

MD	TVD	Diameter	Hole Size	Name
----	-----	----------	-----------	------

Annotation

MD ft	TVD ft	
5600.00	5600.00	Nudge
5766.67	5788.46	Hold
6066.67	6065.32	Drop
6400.00	6398.22	Hold
10693.84	10692.06	KOP
11598.64	11265.00	LP
15772.74	11230.00	PBHL

Formations

MD	TVD	Formations	Lithology	Dip Angle	Dip Direction
----	-----	------------	-----------	-----------	---------------

Field: Lea County, New Mexico (NAD 83)

Map System: US State Plane Coordinate System 1983
Geo Datum: GRS 1980
Sys Datum: Mean Sea Level

Map Zone: New Mexico, Eastern Zone
Coordinate System: Well Centre
Geomagnetic Model: IGRF2010



Weatherford Anticollision Report



Company: Devon Energy Date: 2/22/2013 Time: 10:22:31 Page: 1
Field: Lea County, New Mexico (NAD 83)
Reference Site: Tiger Snake 33 State 2H Co-ordinate(NE) Reference: Well: Tiger Snake 33 State 2H, Grid North
Reference Well: Tiger Snake 33 State 2H Vertical (TVD) Reference: SITE 3685.0
Reference Wellpath: Db: Sybase

NO GLOBAL SCAN: Using user defined selection & scan criteria
Interpolation Method MD + Stations Interval: 100.00 ft
Depth Range: 0.00 to 15772.74 ft
Maximum Radius 0000.00 ft
Reference: Plan: Plan #1
Error Model: ISCWSA Ellipse
Scan Method: Closest Approach 3D
Error Surface: Ellipse

Plan: Plan #1 Date Composed: 2/22/2013
Principal: Yes Version: 1
Tied-to: From Surface

Summary

Site	Offset Wellpath	Wellpath	Reference MD ft	Offset MD ft	Ctr-Ctr Edge Distance ft	Separation Distance ft	Factor	Warning
Tiger Snake 33 State	Tiger Snake 33 State 1 V0	Plan: Plan #1 V1	5600.00	5601.00	50.00	25.11	2.01	

Site: Tiger Snake 33 State 1H
Well: Tiger Snake 33 State 1H
Wellpath: 1 V0 Plan: Plan #1 V1

Inter-Site Error: 0.00 ft

Reference MD ft	Reference TVD ft	Offset MD ft	Offset TVD ft	Semi-Major Axis Ref ft	Semi-Major Axis Offset ft	Semi-Major Axis TFO-IIS deg	Offset Location North ft	Offset Location East ft	Ctr-Ctr Edge Distance ft	Separation Distance ft	Factor	Warning
0.00	0.00	1.00	1.00	0.00	0.00	269.70	-0.26	-50.00	50.00	50.00	59321.75	
100.00	100.00	101.00	101.00	0.08	0.09	269.70	-0.26	-50.00	50.00	49.83	292.71	
200.00	200.00	201.00	201.00	0.31	0.31	269.70	-0.26	-50.00	50.00	49.38	80.60	
300.00	300.00	301.00	301.00	0.53	0.54	269.70	-0.26	-50.00	50.00	48.93	46.73	
400.00	400.00	401.00	401.00	0.76	0.76	269.70	-0.26	-50.00	50.00	48.48	32.91	
500.00	500.00	501.00	501.00	0.98	0.99	269.70	-0.26	-50.00	50.00	48.03	25.39	
600.00	600.00	601.00	601.00	1.21	1.21	269.70	-0.26	-50.00	50.00	47.58	20.67	
700.00	700.00	701.00	701.00	1.43	1.44	269.70	-0.26	-50.00	50.00	47.13	17.43	
800.00	800.00	801.00	801.00	1.66	1.66	269.70	-0.26	-50.00	50.00	46.68	15.07	
900.00	900.00	901.00	901.00	1.88	1.88	269.70	-0.26	-50.00	50.00	46.23	13.27	
1000.00	1000.00	1001.00	1001.00	2.11	2.11	269.70	-0.26	-50.00	50.00	45.78	11.86	
1100.00	1100.00	1101.00	1101.00	2.33	2.33	269.70	-0.26	-50.00	50.00	45.33	10.72	
1200.00	1200.00	1201.00	1201.00	2.56	2.56	269.70	-0.26	-50.00	50.00	44.89	9.77	
1300.00	1300.00	1301.00	1301.00	2.78	2.78	269.70	-0.26	-50.00	50.00	44.44	8.98	
1400.00	1400.00	1401.00	1401.00	3.01	3.01	269.70	-0.26	-50.00	50.00	43.99	8.31	
1500.00	1500.00	1501.00	1501.00	3.23	3.23	269.70	-0.26	-50.00	50.00	43.54	7.73	
1600.00	1600.00	1601.00	1601.00	3.46	3.46	269.70	-0.26	-50.00	50.00	43.09	7.23	
1700.00	1700.00	1701.00	1701.00	3.68	3.68	269.70	-0.26	-50.00	50.00	42.64	6.79	
1800.00	1800.00	1801.00	1801.00	3.91	3.91	269.70	-0.26	-50.00	50.00	42.19	6.40	
1900.00	1900.00	1901.00	1901.00	4.13	4.13	269.70	-0.26	-50.00	50.00	41.74	6.05	
2000.00	2000.00	2001.00	2001.00	4.35	4.36	269.70	-0.26	-50.00	50.00	41.29	5.74	
2100.00	2100.00	2101.00	2101.00	4.58	4.58	269.70	-0.26	-50.00	50.00	40.84	5.46	
2200.00	2200.00	2201.00	2201.00	4.80	4.81	269.70	-0.26	-50.00	50.00	40.39	5.20	
2300.00	2300.00	2301.00	2301.00	5.03	5.03	269.70	-0.26	-50.00	50.00	39.94	4.97	
2400.00	2400.00	2401.00	2401.00	5.25	5.26	269.70	-0.26	-50.00	50.00	39.49	4.76	
2500.00	2500.00	2501.00	2501.00	5.48	5.48	269.70	-0.26	-50.00	50.00	39.04	4.56	
2600.00	2600.00	2601.00	2601.00	5.70	5.71	269.70	-0.26	-50.00	50.00	38.59	4.38	
2700.00	2700.00	2701.00	2701.00	5.93	5.93	269.70	-0.26	-50.00	50.00	38.14	4.22	
2800.00	2800.00	2801.00	2801.00	6.15	6.16	269.70	-0.26	-50.00	50.00	37.69	4.06	
2900.00	2900.00	2901.00	2901.00	6.38	6.38	269.70	-0.26	-50.00	50.00	37.24	3.92	
3000.00	3000.00	3001.00	3001.00	6.60	6.60	269.70	-0.26	-50.00	50.00	36.79	3.79	
3100.00	3100.00	3101.00	3101.00	6.83	6.83	269.70	-0.26	-50.00	50.00	36.34	3.66	
3200.00	3200.00	3201.00	3201.00	7.05	7.05	269.70	-0.26	-50.00	50.00	35.89	3.54	
3300.00	3300.00	3301.00	3301.00	7.28	7.28	269.70	-0.26	-50.00	50.00	35.44	3.44	
3400.00	3400.00	3401.00	3401.00	7.50	7.50	269.70	-0.26	-50.00	50.00	35.00	3.33	
3500.00	3500.00	3501.00	3501.00	7.73	7.73	269.70	-0.26	-50.00	50.00	34.55	3.24	



Weatherford Anticollision Report

**Weatherford**

Company: Devon Energy
Field: Lea County, New Mexico (NAD 83)
Reference Site: Tiger Snake 33 State 2H
Reference Well: Tiger Snake 33 State 2H
Reference Wellpath:
Date: 2/22/2013
Time: 10:22:31
Page: 2
Co-ordinate(NF) Reference: Well: Tiger Snake 33 State 2H, Grid North
Vertical (TVD) Reference: SITE 3685.0
Db: Sybase

Site: Tiger Snake 33 State 1H
Well: Tiger Snake 33 State 1H
Wellpath: 1 VO Plan: Plan #1 V1

Inter-Site Error: 0.00 ft

Reference		Offset		Semi-Major Axis			Offset Location		Ctr-Ctr Edge		Separation	Warning
MD	TVD	MD	TVD	Ref	Offset	TFO-HS	North	East	Distance	Distance	Factor	
ft	ft	ft	ft	ft	ft	deg	ft	ft	ft	ft		
3600.00	3600.00	3601.00	3601.00	7.95	7.95	269.70	-0.26	-50.00	50.00	34.10	3.14	
3700.00	3700.00	3701.00	3701.00	8.18	8.18	269.70	-0.26	-50.00	50.00	33.65	3.06	
3800.00	3800.00	3801.00	3801.00	8.40	8.40	269.70	-0.26	-50.00	50.00	33.20	2.98	
3900.00	3900.00	3901.00	3901.00	8.63	8.63	269.70	-0.26	-50.00	50.00	32.75	2.90	
4000.00	4000.00	4001.00	4001.00	8.85	8.85	269.70	-0.26	-50.00	50.00	32.30	2.82	
4100.00	4100.00	4101.00	4101.00	9.07	9.08	269.70	-0.26	-50.00	50.00	31.85	2.75	
4200.00	4200.00	4201.00	4201.00	9.30	9.30	269.70	-0.26	-50.00	50.00	31.40	2.69	
4300.00	4300.00	4301.00	4301.00	9.52	9.53	269.70	-0.26	-50.00	50.00	30.95	2.62	
4400.00	4400.00	4401.00	4401.00	9.75	9.75	269.70	-0.26	-50.00	50.00	30.50	2.56	
4500.00	4500.00	4501.00	4501.00	9.97	9.98	269.70	-0.26	-50.00	50.00	30.05	2.51	
4600.00	4600.00	4601.00	4601.00	10.20	10.20	269.70	-0.26	-50.00	50.00	29.60	2.45	
4700.00	4700.00	4701.00	4701.00	10.42	10.43	269.70	-0.26	-50.00	50.00	29.15	2.40	
4800.00	4800.00	4801.00	4801.00	10.65	10.65	269.70	-0.26	-50.00	50.00	28.70	2.35	
4900.00	4900.00	4901.00	4901.00	10.87	10.88	269.70	-0.26	-50.00	50.00	28.25	2.30	
5000.00	5000.00	5001.00	5001.00	11.10	11.10	269.70	-0.26	-50.00	50.00	27.80	2.25	
5100.00	5100.00	5101.00	5101.00	11.32	11.32	269.70	-0.26	-50.00	50.00	27.35	2.21	
5200.00	5200.00	5201.00	5201.00	11.55	11.55	269.70	-0.26	-50.00	50.00	26.90	2.16	
5300.00	5300.00	5301.00	5301.00	11.77	11.77	269.70	-0.26	-50.00	50.00	26.45	2.12	
5400.00	5400.00	5401.00	5401.00	12.00	12.00	269.70	-0.26	-50.00	50.00	26.00	2.08	
5500.00	5500.00	5501.00	5501.00	12.22	12.22	269.70	-0.26	-50.00	50.00	25.56	2.05	
5600.00	5600.00	5601.00	5601.00	12.45	12.45	269.70	-0.26	-50.00	50.00	25.11	2.01	
5700.00	5699.95	5700.95	5700.95	12.66	12.67	198.76	-0.26	-50.00	52.47	27.15	2.07	
5766.87	5766.46	5767.46	5767.46	12.80	12.82	197.30	-0.26	-50.00	56.90	31.31	2.22	
5800.00	5799.66	5800.66	5800.66	12.87	12.90	196.47	-0.26	-50.00	59.68	33.95	2.32	
5900.00	5899.28	5900.28	5900.28	13.08	13.12	194.39	-0.26	-50.00	68.08	41.93	2.60	
6000.00	5998.90	5999.90	5999.90	13.30	13.35	192.77	-0.26	-50.00	76.56	49.97	2.88	
6066.67	6065.31	6066.31	6066.31	13.44	13.49	191.87	-0.26	-50.00	82.23	55.36	3.06	
6100.00	6098.53	6099.53	6099.53	13.51	13.57	191.48	-0.26	-50.00	84.94	57.92	3.14	
6200.00	6198.32	6199.32	6199.32	13.70	13.79	190.65	-0.26	-50.00	91.36	63.91	3.33	
6300.00	6298.24	6299.24	6299.24	13.89	14.02	190.20	-0.26	-50.00	95.22	67.35	3.42	
6400.00	6398.22	6399.22	6399.22	14.06	14.24	260.06	-0.26	-50.00	96.51	68.23	3.41	
6500.00	6498.22	6499.22	6499.22	14.26	14.47	260.06	-0.26	-50.00	96.51	67.81	3.36	
6600.00	6598.22	6599.22	6599.22	14.49	14.69	260.06	-0.26	-50.00	96.51	67.36	3.31	
6700.00	6698.22	6699.22	6699.22	14.71	14.92	260.06	-0.26	-50.00	96.51	66.91	3.26	
6800.00	6798.22	6799.22	6799.22	14.94	15.14	260.06	-0.26	-50.00	96.51	66.46	3.21	
6900.00	6898.22	6899.22	6899.22	15.16	15.37	260.06	-0.26	-50.00	96.51	66.01	3.16	
7000.00	6998.22	6999.22	6999.22	15.38	15.59	260.06	-0.26	-50.00	96.51	65.56	3.12	
7100.00	7098.22	7099.22	7099.22	15.61	15.82	260.06	-0.26	-50.00	96.51	65.11	3.07	
7200.00	7198.22	7199.22	7199.22	15.83	16.04	260.06	-0.26	-50.00	96.51	64.66	3.03	
7300.00	7298.22	7299.22	7299.22	16.06	16.27	260.06	-0.26	-50.00	96.51	64.21	2.99	
7400.00	7398.22	7399.22	7399.22	16.28	16.49	260.06	-0.26	-50.00	96.51	63.76	2.95	
7500.00	7498.22	7499.22	7499.22	16.50	16.72	260.06	-0.26	-50.00	96.51	63.31	2.91	
7600.00	7598.22	7599.22	7599.22	16.73	16.94	260.06	-0.26	-50.00	96.51	62.86	2.87	
7700.00	7698.22	7699.22	7699.22	16.95	17.16	260.06	-0.26	-50.00	96.51	62.42	2.83	
7800.00	7798.22	7799.22	7799.22	17.18	17.39	260.06	-0.26	-50.00	96.51	61.97	2.79	
7900.00	7898.22	7899.22	7899.22	17.40	17.61	260.06	-0.26	-50.00	96.51	61.52	2.76	
8000.00	7998.22	7999.22	7999.22	17.63	17.84	260.06	-0.26	-50.00	96.51	61.07	2.72	
8100.00	8098.22	8099.22	8099.22	17.85	18.06	260.06	-0.26	-50.00	96.51	60.62	2.69	
8200.00	8198.22	8199.22	8199.22	18.08	18.29	260.06	-0.26	-50.00	96.51	60.17	2.66	
8300.00	8298.22	8299.22	8299.22	18.30	18.51	260.06	-0.26	-50.00	96.51	59.72	2.62	
8400.00	8398.22	8399.22	8399.22	18.52	18.74	260.06	-0.26	-50.00	96.51	59.27	2.59	



Weatherford Anticollision Report

**Weatherford**

Company: Devon Energy Date: 2/22/2013 Time: 10:22:31 Page: 3
Field: Lea County, New Mexico (NAD 83)
Reference Site: Tiger Snake 33 State 2H Co-ordinate(NE) Reference: Well: Tiger Snake 33 State 2H, Grid Nort
Reference Well: Tiger Snake 33 State 2H Vertical (TVD) Reference: SITE 3685.0
Reference Wellpath: Db: Sybase

Site: Tiger Snake 33 State 1H
Well: Tiger Snake 33 State 1H
Wellpath: 1 V0 Plan: Plan #1 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 Distance ft	Edge Distance ft	Separation Factor	Warning
8500.00	8498.22	8499.22	8499.22	18.75	18.96	260.06	-0.26	-50.00	96.51	58.82	2.56	
8600.00	8598.22	8599.22	8599.22	18.97	19.19	260.06	-0.26	-50.00	96.51	58.37	2.53	
8700.00	8698.22	8699.22	8699.22	19.20	19.41	260.06	-0.26	-50.00	96.51	57.92	2.50	
8800.00	8798.22	8799.22	8799.22	19.42	19.64	260.06	-0.26	-50.00	96.51	57.47	2.47	
8900.00	8898.22	8899.22	8899.22	19.65	19.86	260.06	-0.26	-50.00	96.51	57.02	2.44	
9000.00	8998.22	8999.22	8999.22	19.87	20.09	260.06	-0.26	-50.00	96.51	56.57	2.42	
9100.00	9098.22	9099.22	9099.22	20.10	20.31	260.06	-0.26	-50.00	96.51	56.12	2.39	
9200.00	9198.22	9199.22	9199.22	20.32	20.54	260.06	-0.26	-50.00	96.51	55.68	2.36	
9300.00	9298.22	9299.22	9299.22	20.54	20.76	260.06	-0.26	-50.00	96.51	55.23	2.34	
9400.00	9398.22	9399.22	9399.22	20.77	20.99	260.06	-0.26	-50.00	96.51	54.78	2.31	
9500.00	9498.22	9499.22	9499.22	20.99	21.21	260.06	-0.26	-50.00	96.51	54.33	2.29	
9600.00	9598.22	9599.22	9599.22	21.22	21.44	260.06	-0.26	-50.00	96.51	53.88	2.26	
9700.00	9698.22	9699.22	9699.22	21.44	21.66	260.06	-0.26	-50.00	96.51	53.43	2.24	
9800.00	9798.22	9799.22	9799.22	21.67	21.88	260.06	-0.26	-50.00	96.51	52.98	2.22	
9900.00	9898.22	9899.22	9899.22	21.89	22.11	260.06	-0.26	-50.00	96.51	52.53	2.19	
10000.00	9998.22	9999.22	9999.22	22.12	22.33	260.06	-0.26	-50.00	96.51	52.08	2.17	
10100.00	10098.22	10099.22	10099.22	22.34	22.56	260.06	-0.26	-50.00	96.51	51.63	2.15	
10200.00	10198.22	10199.22	10199.22	22.56	22.78	260.06	-0.26	-50.00	96.51	51.18	2.13	
10300.00	10298.22	10299.22	10299.22	22.79	23.01	260.06	-0.26	-50.00	96.51	50.73	2.11	
10400.00	10398.22	10399.22	10399.22	23.01	23.23	260.06	-0.26	-50.00	96.51	50.28	2.09	
10500.00	10498.22	10499.22	10499.22	23.24	23.46	260.06	-0.26	-50.00	96.51	49.83	2.07	
10600.00	10598.22	10599.22	10599.22	23.46	23.68	260.06	-0.26	-50.00	96.51	49.38	2.05	
10693.84	10692.06	10693.06	10693.06	23.67	23.89	260.06	-0.26	-50.00	96.51	48.96	2.03	
10700.00	10698.22	10699.22	10699.22	23.69	23.91	245.61	-0.26	-50.00	96.52	48.95	2.03	
10750.00	10748.13	10750.65	10750.59	23.78	24.02	245.47	1.97	-50.02	97.28	49.50	2.04	
10800.00	10797.62	10802.11	10801.57	23.89	24.13	245.71	8.80	-50.07	99.10	51.12	2.07	
10850.00	10846.30	10853.51	10851.68	24.00	24.24	246.29	20.17	-50.15	101.96	53.80	2.12	
10900.00	10893.80	10904.82	10900.49	24.11	24.35	247.19	35.94	-50.26	105.84	57.52	2.19	
10950.00	10939.77	10955.99	10947.57	24.22	24.46	248.34	55.96	-50.41	110.74	62.25	2.28	
11000.00	10983.86	11006.99	10992.52	24.34	24.57	249.69	80.01	-50.59	116.62	67.95	2.40	
11050.00	11025.73	11057.78	11034.99	24.47	24.68	251.19	107.83	-50.79	123.47	74.59	2.53	
11100.00	11065.05	11108.35	11074.66	24.60	24.81	252.78	139.16	-51.02	131.23	82.10	2.67	
11150.00	11101.54	11158.67	11111.24	24.75	24.95	254.43	173.69	-51.27	139.85	90.44	2.83	
11200.00	11134.91	11208.76	11144.51	24.91	25.10	256.10	211.11	-51.54	149.28	99.54	3.00	
11250.00	11164.91	11258.60	11174.24	25.09	25.26	257.78	251.10	-51.84	159.44	109.31	3.18	
11300.00	11191.31	11308.23	11200.28	25.30	25.45	259.43	293.32	-52.14	170.24	119.70	3.37	
11350.00	11213.91	11357.65	11222.49	25.52	25.65	261.05	337.45	-52.47	181.62	130.60	3.56	
11400.00	11232.54	11406.89	11240.76	25.77	25.88	262.64	383.17	-52.80	193.47	141.93	3.75	
11450.00	11247.06	11456.00	11254.99	26.05	26.13	264.17	430.15	-53.14	205.71	153.61	3.95	
11500.00	11257.35	11505.00	11265.14	26.34	26.41	265.66	478.07	-53.49	218.23	165.53	4.14	
11550.00	11263.34	11553.94	11271.15	26.66	26.70	267.08	526.62	-53.85	230.95	177.61	4.33	
11598.64	11265.00	11601.53	11273.01	26.99	27.01	268.42	574.16	-54.20	243.41	189.42	4.51	
11600.00	11264.99	11602.86	11273.00	27.00	27.01	268.42	575.49	-54.21	243.76	189.75	4.51	
11700.00	11264.15	11699.52	11272.40	27.76	27.70	268.53	672.15	-54.91	269.39	213.94	4.86	
11800.00	11263.31	11796.18	11271.80	28.61	28.49	268.62	768.80	-55.62	295.02	237.94	5.17	
11900.00	11262.47	11892.84	11271.20	29.55	29.35	268.70	865.46	-56.32	320.66	261.77	5.44	
12000.00	11261.63	11989.49	11270.61	30.57	30.30	268.76	962.11	-57.03	346.30	285.44	5.69	
12100.00	11260.79	12086.15	11270.01	31.66	31.32	268.82	1058.76	-57.74	371.93	308.96	5.91	
12200.00	11259.96	12182.81	11269.41	32.82	32.40	268.87	1155.42	-58.44	397.57	332.36	6.10	
12300.00	11259.12	12279.47	11268.81	34.04	33.54	268.91	1252.07	-59.15	423.21	355.64	6.26	
12400.00	11258.28	12376.12	11268.21	35.31	34.73	268.95	1348.72	-59.85	448.84	378.81	6.41	



Weatherford Anticollision Report

**Weatherford**

Company: Devon Energy Date: 2/22/2013 Time: 10:22:31 Page: 4
Field: Lea County, New Mexico (NAD 83)
Reference Site: Tiger Snake 33 State 2H Co-ordinate(NE) Reference: Well: Tiger Snake 33 State 2H, Grid Nort
Reference Well: Tiger Snake 33 State 2H Vertical (TVD) Reference: SITE 3685.0
Reference Wellpath#: Db: Sybase

Site: Tiger Snake 33 State 1H
Well: Tiger Snake 33 State 1H
Wellpath: 1 V0 Plan: Plan #1 V1

Inter-Site Error: 0.00 ft

Reference		Offset		Semi-Major Axis		Offset Location		Ctr-Ctr Edge		Separation		Warning
MD	TVD	MD	TVD	Ref	Offset	TFO-HS	North	East	Distance	Distance	Factor	
ft	ft	ft	ft	ft	ft	deg	ft	ft	ft	ft	ft	
12500.00	11257.44	12472.78	11267.61	36.62	35.97	268.98	1445.37	-60.56	474.48	401.89	6.54	
12600.00	11256.60	12569.44	11267.01	37.98	37.25	269.01	1542.03	-61.27	500.12	424.89	6.65	
12700.00	11255.76	12666.10	11266.41	39.38	38.57	269.04	1638.68	-61.97	525.76	447.81	6.75	
12800.00	11254.92	12762.75	11265.81	40.81	39.93	269.06	1735.33	-62.68	551.39	470.66	6.83	
12900.00	11254.09	12859.41	11265.22	42.28	41.31	269.09	1831.99	-63.38	577.03	493.45	6.90	
13000.00	11253.25	12956.07	11264.62	43.77	42.73	269.11	1928.64	-64.09	602.67	516.18	6.97	
13100.00	11252.41	13052.73	11264.02	45.28	44.17	269.13	2025.29	-64.80	628.31	538.87	7.02	
13200.00	11251.57	13149.38	11263.42	46.82	45.63	269.14	2121.95	-65.50	653.94	561.50	7.07	
13300.00	11250.73	13246.04	11262.82	48.38	47.11	269.16	2218.60	-66.21	679.58	584.10	7.12	
13400.00	11249.89	13342.70	11262.22	49.95	48.61	269.18	2315.25	-66.91	705.22	606.66	7.16	
13500.00	11249.06	13439.36	11261.62	51.55	50.13	269.19	2411.90	-67.62	730.86	629.19	7.19	
13600.00	11248.22	13536.01	11261.02	53.15	51.67	269.20	2508.56	-68.33	756.50	651.68	7.22	
13700.00	11247.38	13632.67	11260.42	54.77	53.22	269.21	2605.21	-69.03	782.13	674.15	7.24	
13800.00	11246.54	13729.33	11259.83	56.41	54.78	269.23	2701.86	-69.74	807.77	696.59	7.27	
13900.00	11245.70	13825.99	11259.23	58.06	56.35	269.24	2798.52	-70.44	833.41	719.01	7.28	
14000.00	11244.86	13922.64	11258.63	59.71	57.94	269.25	2895.17	-71.15	859.05	741.40	7.30	
14100.00	11244.03	14019.30	11258.03	61.38	59.54	269.26	2991.82	-71.86	884.69	763.78	7.32	
14200.00	11243.19	14115.96	11257.43	63.05	61.14	269.27	3088.48	-72.56	910.33	786.14	7.33	
14300.00	11242.35	14212.62	11256.83	64.74	62.76	269.27	3185.13	-73.27	935.96	808.48	7.34	
14400.00	11241.51	14309.27	11256.23	66.43	64.38	269.28	3281.78	-73.97	961.60	830.80	7.35	
14500.00	11240.67	14405.93	11255.63	68.13	66.01	269.29	3378.43	-74.68	987.24	853.11	7.36	
14600.00	11239.83	14502.59	11255.03	69.83	67.64	269.30	3475.09	-75.39	1012.88	875.41	7.37	
14700.00	11238.99	14599.25	11254.44	71.54	69.29	269.30	3571.74	-76.09	1038.52	897.69	7.37	
14800.00	11238.16	14695.90	11253.84	73.26	70.94	269.31	3668.39	-76.80	1064.16	919.97	7.38	
14900.00	11237.32	14792.56	11253.24	74.98	72.59	269.32	3765.05	-77.51	1089.79	942.23	7.39	
15000.00	11236.48	14889.22	11252.64	76.71	74.25	269.32	3861.70	-78.21	1115.43	964.48	7.39	
15100.00	11235.64	14985.88	11252.04	78.44	75.91	269.33	3958.35	-78.92	1141.07	986.72	7.39	
15200.00	11234.80	15082.53	11251.44	80.18	77.58	269.33	4055.01	-79.62	1166.71	1008.96	7.40	
15300.00	11233.96	15179.19	11250.84	81.92	79.26	269.34	4151.66	-80.33	1192.35	1031.18	7.40	
15400.00	11233.13	15275.85	11250.24	83.66	80.93	269.34	4248.31	-81.04	1217.99	1053.40	7.40	
15500.00	11232.29	15372.51	11249.64	85.41	82.61	269.35	4344.97	-81.74	1243.62	1075.61	7.40	
15600.00	11231.45	15469.16	11249.05	87.16	84.30	269.35	4441.62	-82.45	1269.26	1097.81	7.40	
15700.00	11230.61	15565.82	11248.45	88.91	85.99	269.36	4538.27	-83.15	1294.90	1120.01	7.40	
15772.74	11230.00	15636.13	11248.01	90.19	87.22	269.36	4608.58	-83.67	1313.55	1136.15	7.40	

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

GeoDec v5.03

Report Date: February 22, 2013
Job Number: _____
Customer: Devon Energy
Well Name: Tiger Snake 33 State 2H
API Number: _____
Rig Name: _____
Location: Lea County, NM
Block: _____
Engineer: RWJ

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 457321.660 USFT	Latitude 32.2550023 DEG
East/West 774428.370 USFT	Longitude -103.5793134 DEG
Grid Convergence: .40°	
Total Correction: +7.04°	

Geodetic Location WGS84	Elevation =	0.0 Meters
Latitude =	32.25500° N	32° 15 min 18.008 sec
Longitude =	103.57931° W	103° 34 min 45.528 sec

Magnetic Declination =	7.44°	[True North Offset]	
Local Gravity =	.9988 g	Checksum =	6491
Local Field Strength =	48417 nT	Magnetic Vector X =	23920 nT
Magnetic Dip =	60.12°	Magnetic Vector Y =	3124 nT
Magnetic Model =	bggm2012	Magnetic Vector Z =	41980 nT
Spud Date =	Jul 25, 2013	Magnetic Vector H =	24123 nT

Signed: _____

Date: _____