

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
311 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office
☐ AMENDED REPORT
RECEIVED
HOBBS OCD
APR 16 2013

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-41118		² Pool Code 59900	³ Pool Name TRIPLE X; BONE SPRING
⁴ Property Code 39750	⁵ Property Name TIGER SNAKE "33" STATE		⁶ Well Number 3H
⁷ OGRID No. 6137	⁸ Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.		⁹ Elevation 3659.5

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	33	23 S	33 E		350	SOUTH	2080	WEST	LEA

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	33	23 S	33 E		330	NORTH	660	EAST	LEA

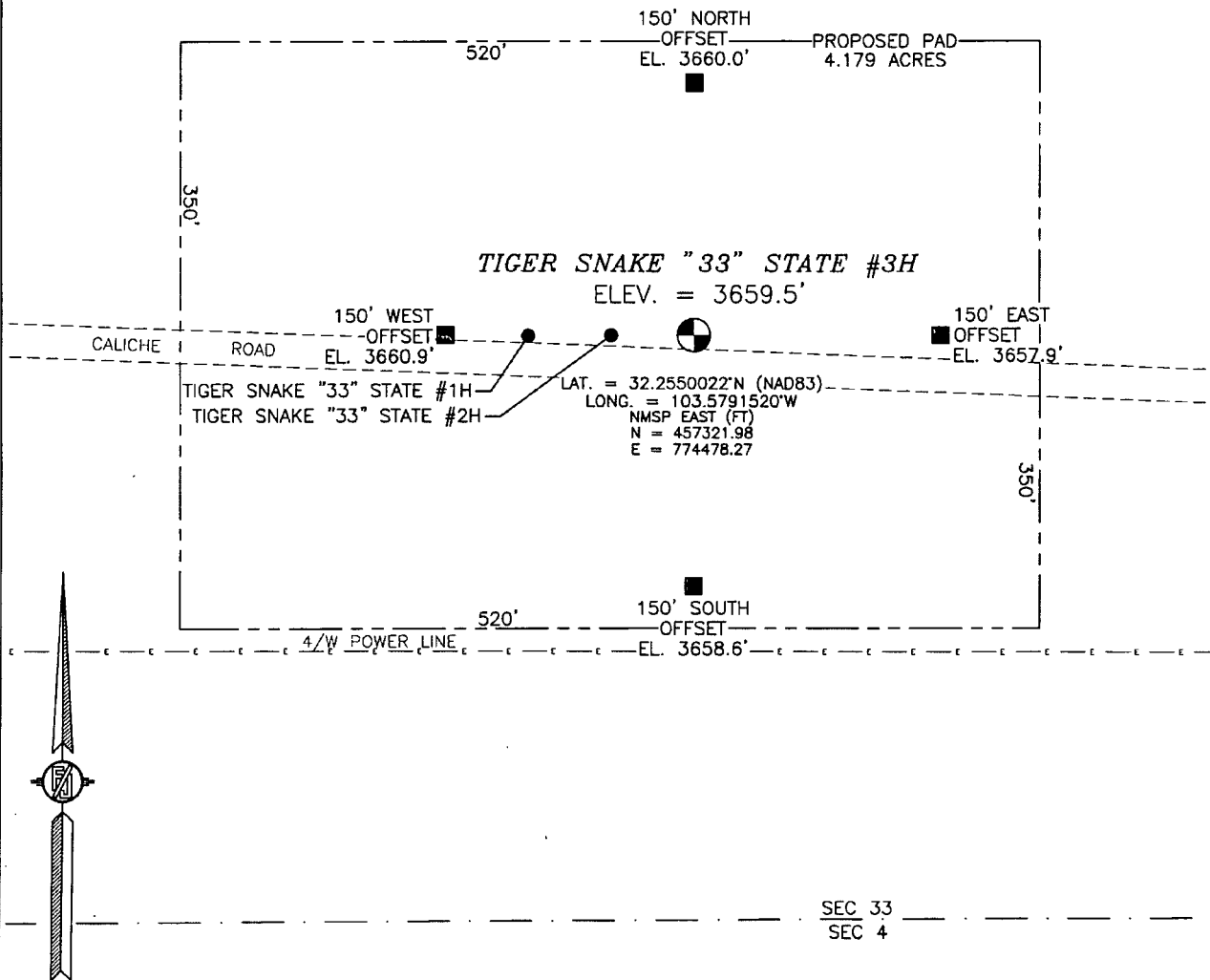
¹² Dedicated Acres 160	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
--------------------------------------	-------------------------------	----------------------------------	-------------------------

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

589°39'50"W 2638.55 FT NW CORNER SEC. 33 LAT. = 32.2685894°N LONG. = 103.5858855°W NMSP EAST (FT) N = 462250.40 E = 772362.29 W Q CORNER SEC. 33 LAT. = 32.2613069°N LONG. = 103.5858818°W NMSP EAST (FT) N = 459601.07 E = 772381.86 SW CORNER SEC. 33 LAT. = 32.2540480°N LONG. = 103.5858786°W NMSP EAST (FT) N = 456960.29 E = 772401.24		589°39'50"W 2635.80 FT N O CORNER SEC. 33 LAT. = 32.2685811°N LONG. = 103.5773510°W NMSP EAST (FT) N = 462265.88 E = 775000.25 NE CORNER SEC. 33 LAT. = 32.2689723°N LONG. = 103.5688255°W NMSP EAST (FT) N = 462281.34 E = 777635.45 SE CORNER SEC. 33 LAT. = 32.2540342°N LONG. = 103.5688172°W NMSP EAST (FT) N = 456992.43 E = 777675.69	
500°25'24"E 2649.95 FT 500°25'23"E 2641.33 FT		500°27'25"W 2646.07 FT 500°25'02"W 2644.02 FT	
Completion Interval Project Area TIGER SNAKE "33" STATE #3H ELEV. = 3659.5' LAT. = 32.2550022°N (NAD83) LONG. = 103.5791520°W NMSP EAST (FT) N = 457321.98 E = 774478.27 BOTTOM OF HOLE LAT. = 32.2676677°N LONG. = 103.5709593°W NMSP EAST (FT) N = 461947.54 E = 776978.23 SURFACE LOCATION S O CORNER SEC. 33 LAT. = 32.2540382°N LONG. = 103.5773543°W NMSP EAST (FT) N = 456975.20 E = 775036.50		17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. <i>[Signature]</i> 4/15/2013 Signature Date David H. Cook Regulatory Specialist Printed Name david.cook@dvn.com E-mail Address 18 SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. MARCH 15, 2013 Date of Survey <i>[Signature]</i> Signature and Seal of Professional Surveyor Certificate Number: 12797 SURVEY NO. 1529C	

APR 18 2013

SECTION 33, TOWNSHIP 23 SOUTH, RANGE 33 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO



010 50 100 200

SCALE 1" = 100'

DIRECTIONS TO LOCATION

FROM THE INTERSECTION OF STATE HIGHWAY 128 AND CR J2 (BRININSTOOL) GO NORTH ON CR J2 APPROX. 3.0 MILES, TURN LEFT AND GO WEST 0.23 MILES, TURN RIGHT AND GO NORTH 258 FT., TURN LEFT AND GO WEST 0.31 MILES AND LOCATION IS ON THE RIGHT (NORTH) 15 FT.

DEVON ENERGY PRODUCTION COMPANY, L.P.

TIGER SNAKE "33" STATE #3H

LOCATED 350 FT. FROM THE SOUTH LINE
AND 2080 FT. FROM THE WEST LINE OF

SECTION 33, TOWNSHIP 23 SOUTH,

RANGE 33 EAST, N.M.P.M.

LEA COUNTY, STATE OF NEW MEXICO

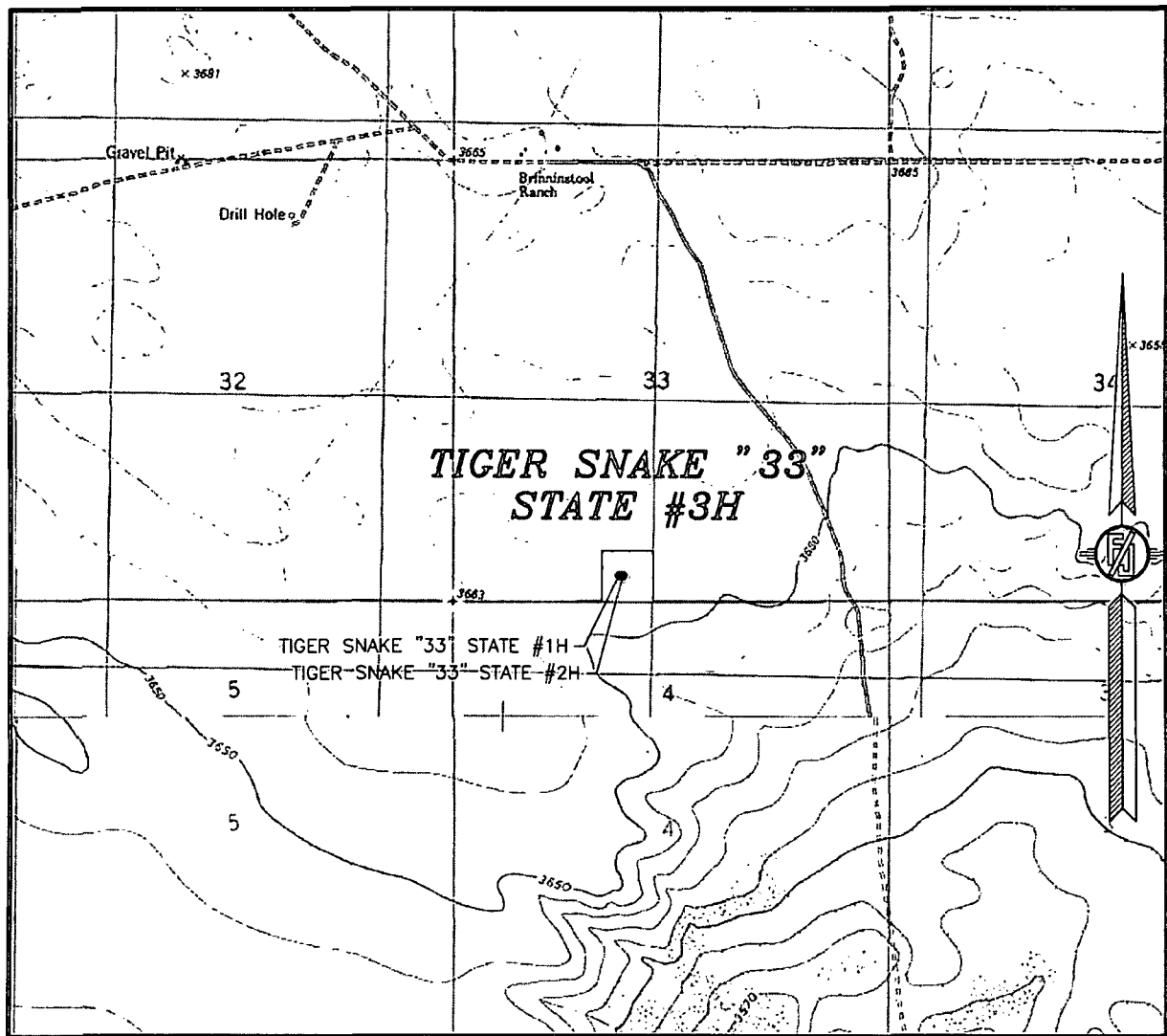
MARCH 15, 2013

SURVEY NO. 1529C

MADRON SURVEYING, INC. 301 SOUTH CANAL (575) 234-3341

CARLSBAD, NEW MEXICO

SECTION 33, TOWNSHIP 23 SOUTH, RANGE 33 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO
LOCATION VERIFICATION MAP



USGS QUAD MAP:
TIP TOP WELLS

NOT TO SCALE

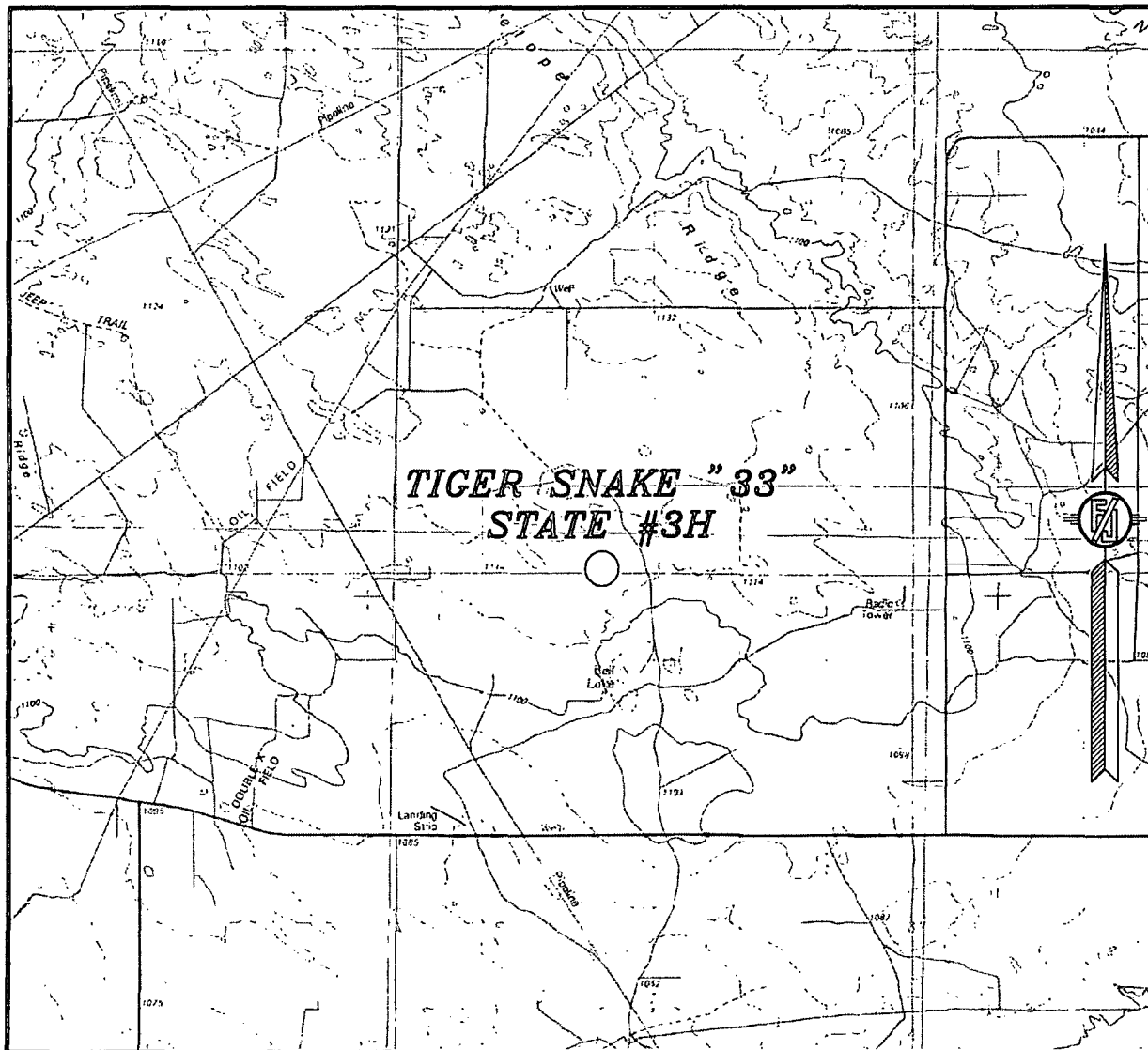
DEVON ENERGY PRODUCTION COMPANY, L.P.
TIGER SNAKE "33" STATE #3H
LOCATED 350 FT. FROM THE SOUTH LINE
AND 2080 FT. FROM THE WEST LINE OF
SECTION 33, TOWNSHIP 23 SOUTH,
RANGE 33 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO

MARCH 15, 2013

SURVEY NO. 1529C

MADRON SURVEYING, INC. 301 SOUTH CANAL (575) 234-3341 CARLSBAD, NEW MEXICO

SECTION 33, TOWNSHIP 23 SOUTH, RANGE 33 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO
VICINITY MAP



NOT TO SCALE

DEVON ENERGY PRODUCTION COMPANY, L.P.

TIGER SNAKE "33" STATE #3H

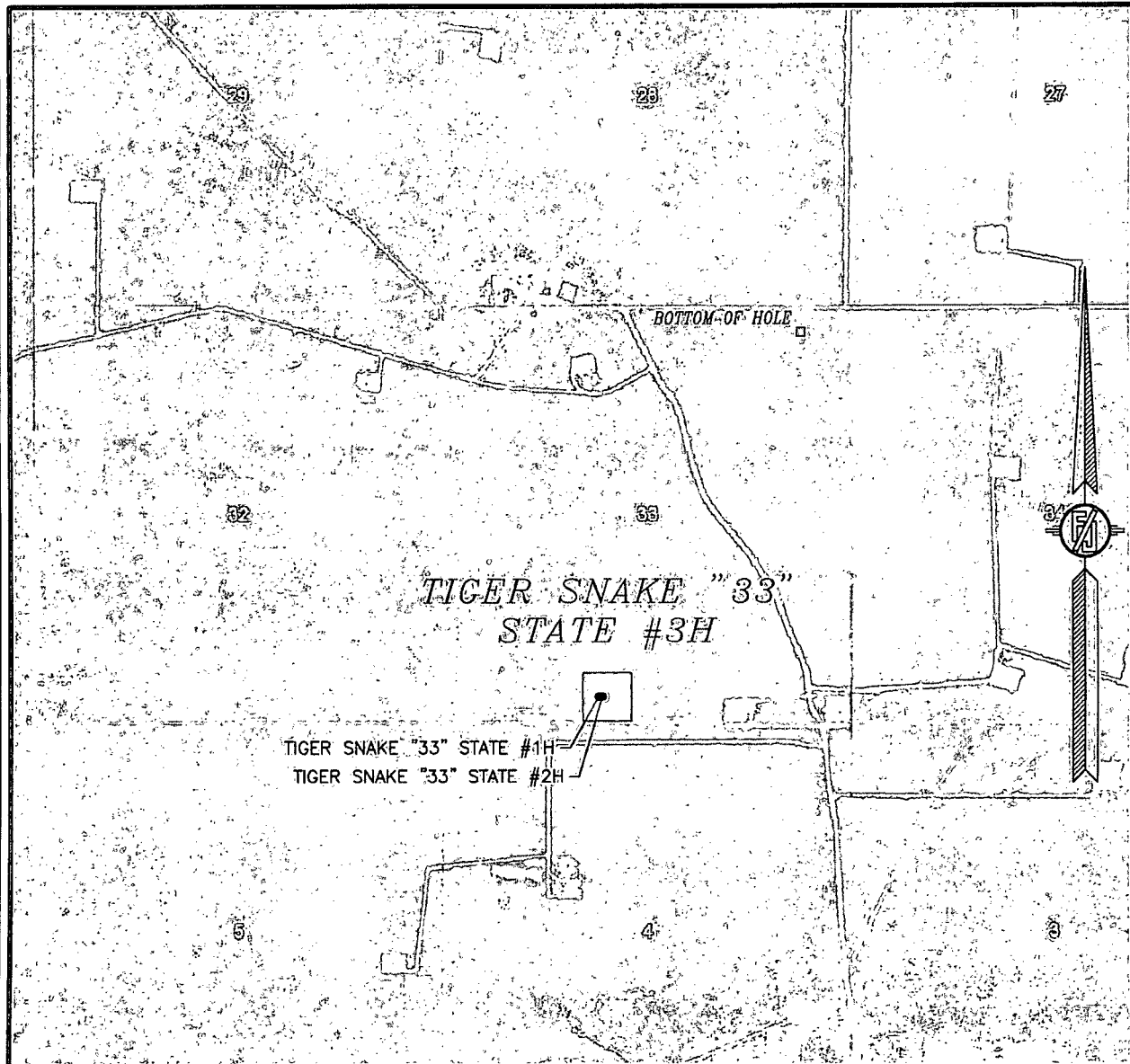
LOCATED 350 FT. FROM THE SOUTH LINE
AND 2080 FT. FROM THE WEST LINE OF
SECTION 33, TOWNSHIP 23 SOUTH,
RANGE 33 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO

MARCH 15, 2013

SURVEY NO. 1529C

MADRON SURVEYING, INC. 301 SOUTH CANAL CARLSBAD, NEW MEXICO
(575) 234-3341

SECTION 33, TOWNSHIP 23 SOUTH, RANGE 33 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO
AERIAL PHOTO



NOT TO SCALE
AERIAL PHOTO:
GOOGLE EARTH
MARCH 2012

DEVON ENERGY PRODUCTION COMPANY, L.P.

TIGER SNAKE "33" STATE #3H

LOCATED 350 FT. FROM THE SOUTH LINE
AND 2080 FT. FROM THE WEST LINE OF
SECTION 33, TOWNSHIP 23 SOUTH,
RANGE 33 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO

MARCH 15, 2013

SURVEY NO. 1529C

MADRON SURVEYING, INC. 301 SOUTH CANAL (575) 234-3341 CARLSBAD, NEW MEXICO

HOBBS OCD

APR 17 2013

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Drilling Services

Proposal



devon

TIGER SNAKE 33 STATE 3H

LEA COUNTY, NM

WELL FILE: **PLAN 2**

APRIL 8, 2013

Weatherford International, Ltd.

P.O. Box 61028
Midland, TX 79711 USA
+1.432.561.8892 Main
+1.432.561.8895 Fax
www.weatherford.com



Tiger Snake 33 State Pad
Lea County, New Mexico

SITE DETAILS

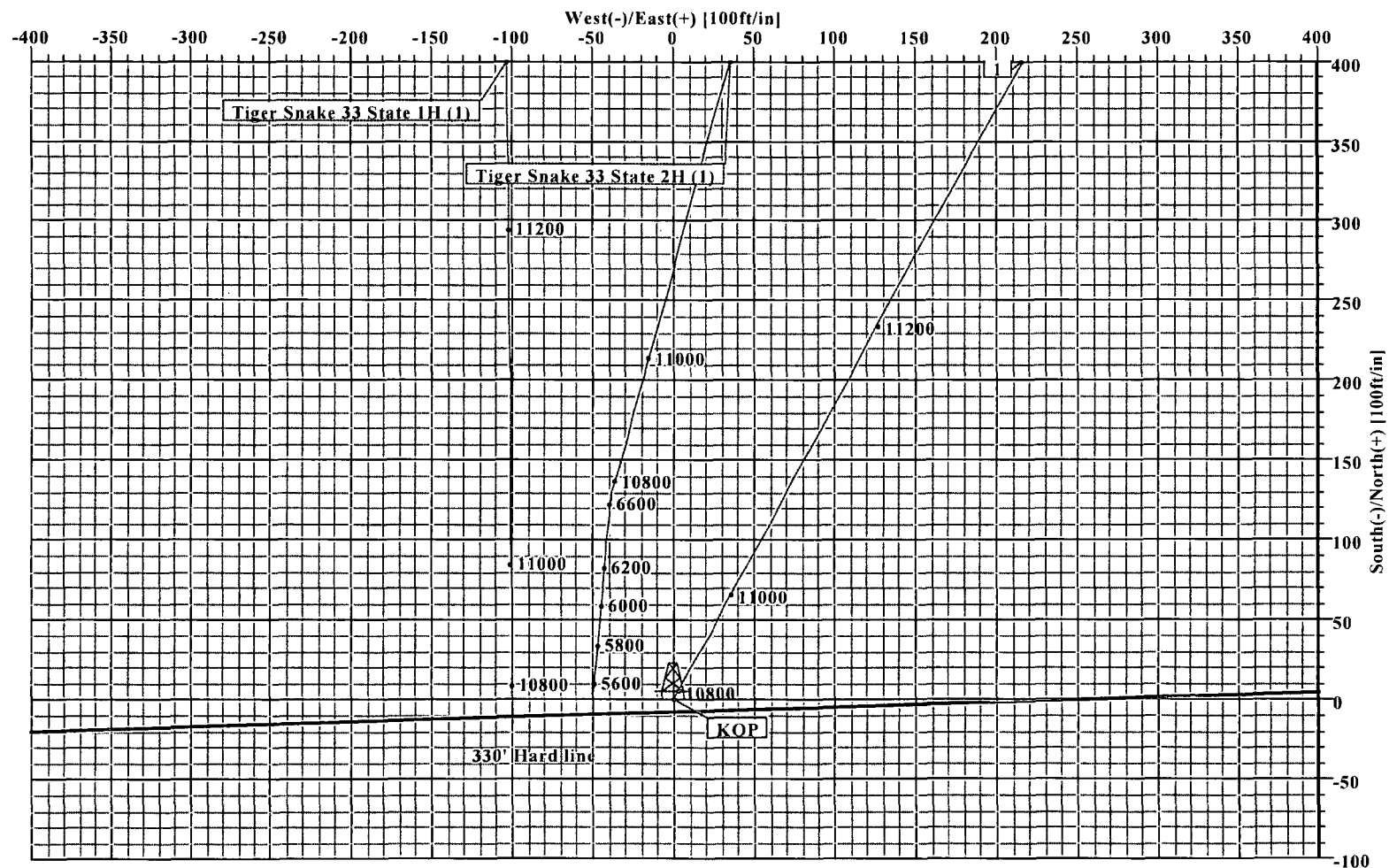
Tiger Snake 33 State 3H
Site Centre Northing: 457321.98
Easting: 774478.27
Ground Level: 3660.00
Positional Uncertainty: 0.00
Convergence: 0.40

LEGEND

- Thistle Unit 33 State 43H (1)
- Tiger Snake 33 State 1H (1)
- Tiger Snake 33 State 2H (1)



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Wellpath: (Tiger Snake 33 State 3H/1)

Created By: Russell W. Joyner

Date: 4/8/2013



Tiger Snake 33 State #3H
Lea County, New Mexico

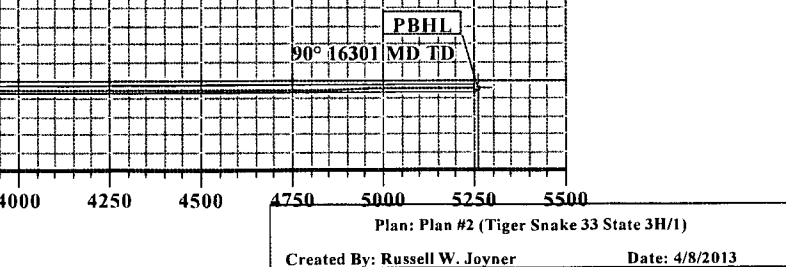
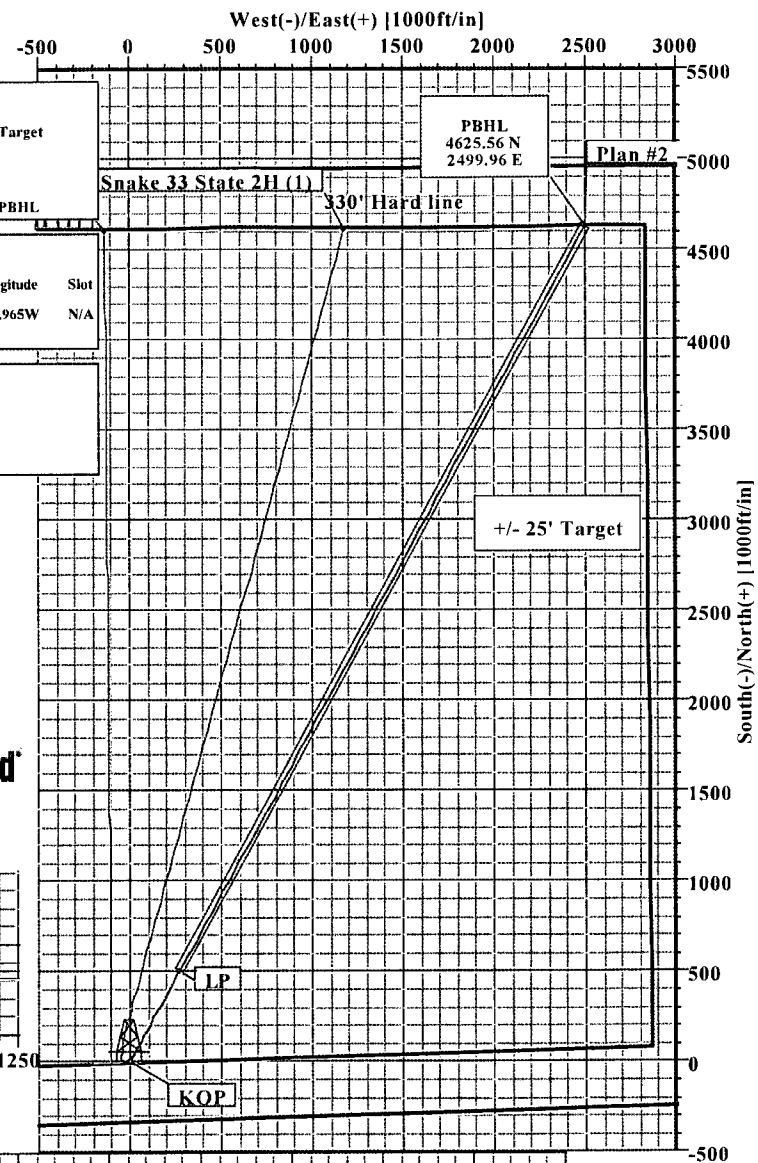
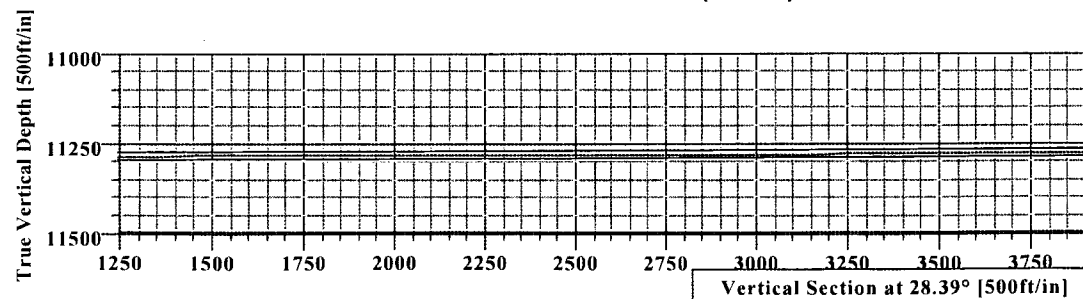
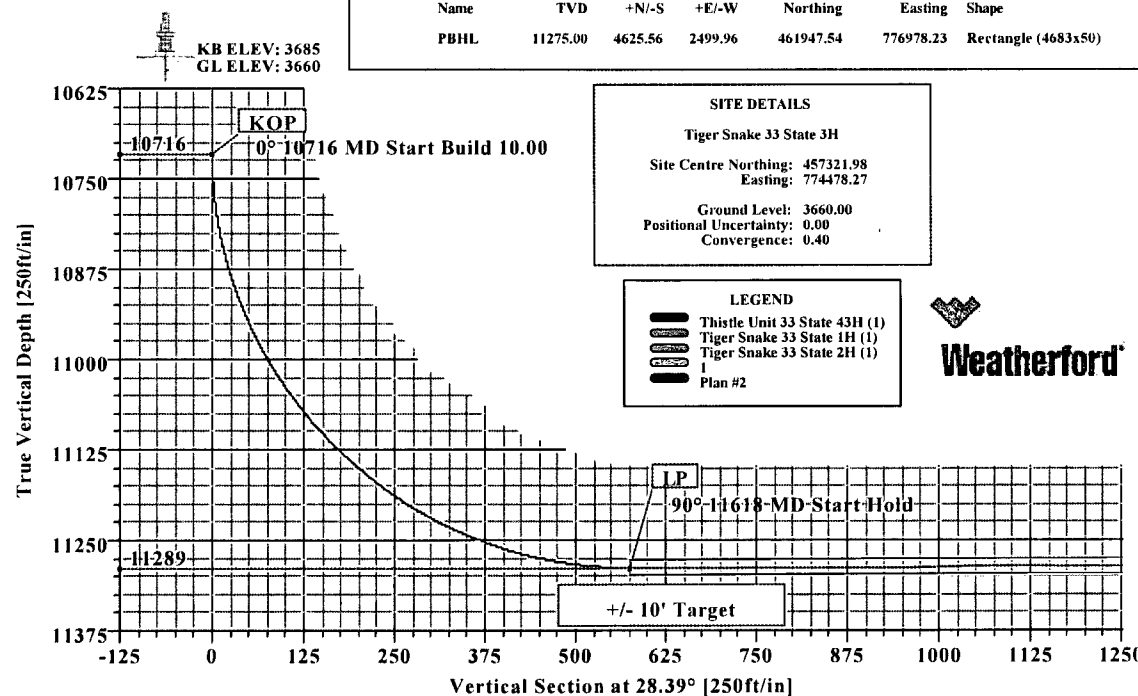
SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	28.39	0.00	0.00	0.00	0.00	0.00	0.00	
2	10716.04	0.00	28.39	10716.04	0.00	0.00	0.00	0.00	0.00	
3	11617.75	90.17	28.39	11289.00	505.56	273.24	10.00	28.39	574.67	
4	16301.01	90.17	28.39	11275.00	4625.56	2499.96	0.00	0.00	5257.91	PBHL

WELL DETAILS								
Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot	
Tiger Snake 33 State 3H	0.00	0.00	457321.98	774478.27	32°15'17.999N	103°34'44.965W	N/A	

TARGET DETAILS						
Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
PBHL	11275.00	4625.56	2499.96	461947.54	776978.23	Rectangle (4683x50)

SITE DETAILS	
Tiger Snake 33 State 3H	
Site Centre Northing:	457321.98
Easting:	774478.27
Ground Level:	3660.00
Positional Uncertainty:	0.00
Convergence:	0.40

LEGEND	
	Thistle Unit 33 State 43H (1)
	Tiger Snake 33 State 1H (1)
	Tiger Snake 33 State 2H (1)
	Plan #2





Weatherford

Wft Plan Report X Y's.

**Weatherford**

Company: Devon Energy Date: 4/8/2013 Time: 11:54:55 Page: 1
Field: Lea County, New Mexico (NAD 83) Co-ordinate(NE) Reference: Well: Tiger Snake 33 State 3H, Grid Nort
Site: Tiger Snake 33 State 3H Vertical (TVD) Reference: SITE 3685.0
Well: Tiger Snake 33 State 3H Section (VS) Reference: Well (0.00N,0.00E,28.39Azi)
Wellpath: 1 Survey Calculation Method: Minimum Curvature Db: Sybase

Plan: Plan #2 Date Composed: 4/5/2013
Principal: Yes Version: 1
Tied-to: From Surface

Site: Tiger Snake 33 State 3H

Site Position: Northing: 457321.98 ft Latitude: 32 15 17.999 N
From: Map Easting: 774478.27 ft Longitude: 103 34 44.965 W
Position Uncertainty: 0.00 ft North Reference: Grid
Ground Level: 3660.00 ft Grid Convergence: 0.40 deg

Well: Tiger Snake 33 State 3H Slot Name:
Well Position: +N/-S 0.00 ft Northing: 457321.98 ft Latitude: 32 15 17.999 N
+E/-W 0.00 ft Easting: 774478.27 ft Longitude: 103 34 44.965 W
Position Uncertainty: 0.00 ft

Wellpath: 1
Current Datum: SITE Height 3685.00 ft
Magnetic Data: 8/15/2013
Field Strength: 48443 nT
Vertical Section: Depth From (TVD) +N/-S
ft ft
0.00 0.00 0.00 28.39

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	28.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
10716.04	0.00	28.39	10716.04	0.00	0.00	0.00	0.00	0.00	0.00	
11617.75	90.17	28.39	11289.00	505.56	273.24	10.00	10.00	0.00	28.39	
16301.01	90.17	28.39	11275.00	4625.56	2499.96	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
10700.00	0.00	28.39	10700.00	0.00	0.00	0.00	0.00	457321.98	774478.27	
10716.04	0.00	28.39	10716.04	0.00	0.00	0.00	0.00	457321.98	774478.27	KOP
10800.00	8.40	28.39	10799.70	5.40	2.92	6.14	10.00	457327.38	774481.19	
10900.00	18.40	28.39	10896.86	25.76	13.92	29.28	10.00	457347.74	774492.19	
11000.00	28.40	28.39	10988.52	60.65	32.78	68.94	10.00	457382.63	774511.05	
11100.00	38.40	28.39	11071.90	109.01	58.91	123.91	10.00	457430.99	774537.18	
11200.00	48.40	28.39	11144.47	169.37	91.54	192.53	10.00	457491.35	774569.81	
11300.00	58.40	28.39	11204.02	239.91	129.66	272.70	10.00	457561.89	774607.93	
11400.00	68.40	28.39	11248.75	318.46	172.12	362.00	10.00	457640.44	774650.39	
11500.00	78.40	28.39	11277.29	402.66	217.63	457.71	10.00	457724.64	774695.90	
11600.00	88.40	28.39	11288.77	489.94	264.80	556.92	10.00	457811.92	774743.07	
11617.75	90.17	28.39	11289.00	505.56	273.24	574.67	10.00	457827.54	774751.51	LP
11700.00	90.17	28.39	11288.75	577.91	312.34	656.92	0.00	457899.89	774790.61	
11800.00	90.17	28.39	11288.45	665.89	359.89	756.92	0.00	457987.87	774838.16	
11900.00	90.17	28.39	11288.15	753.86	407.44	856.92	0.00	458075.84	774885.71	
12000.00	90.17	28.39	11287.85	841.83	454.98	956.92	0.00	458163.81	774933.25	
12100.00	90.17	28.39	11287.55	929.80	502.53	1056.92	0.00	458251.78	774980.80	
12200.00	90.17	28.39	11287.26	1017.78	550.07	1156.92	0.00	458339.76	775028.34	
12300.00	90.17	28.39	11286.96	1105.75	597.62	1256.91	0.00	458427.73	775075.89	
12400.00	90.17	28.39	11286.66	1193.72	645.17	1356.91	0.00	458515.70	775123.44	
12500.00	90.17	28.39	11286.36	1281.70	692.71	1456.91	0.00	458603.68	775170.98	
12600.00	90.17	28.39	11286.06	1369.67	740.26	1556.91	0.00	458691.65	775218.53	
12700.00	90.17	28.39	11285.76	1457.64	787.81	1656.91	0.00	458779.62	775266.08	



Weatherford

Wft Plan Report X Y's.

**Weatherford**

Company: Devon Energy
Field: Lea County, New Mexico (NAD 83)
Site: Tiger Snake 33 State 3H
Well: Tiger Snake 33 State 3H
Wellpath: 1

Date: 4/8/2013 Time: 11:54:55 Page: 2
Co-ordinate(NE) Reference: Well: Tiger Snake 33 State 3H, Grid Nort
Vertical (TVD) Reference: SITE 3685.0
Section (VS) Reference: Well (0.00N,0.00E,28.39Azi)
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
12800.00	90.17	28.39	11285.46	1545.62	835.35	1756.91	0.00	458867.60	775313.62	
12900.00	90.17	28.39	11285.16	1633.59	882.90	1856.91	0.00	458955.57	775361.17	
13000.00	90.17	28.39	11284.86	1721.56	930.45	1956.91	0.00	459043.54	775408.72	
13100.00	90.17	28.39	11284.57	1809.53	977.99	2056.91	0.00	459131.51	775456.26	
13200.00	90.17	28.39	11284.27	1897.51	1025.54	2156.91	0.00	459219.49	775503.81	
13300.00	90.17	28.39	11283.97	1985.48	1073.09	2256.91	0.00	459307.46	775551.36	
13400.00	90.17	28.39	11283.67	2073.45	1120.63	2356.91	0.00	459395.43	775598.90	
13500.00	90.17	28.39	11283.37	2161.43	1168.18	2456.91	0.00	459483.41	775646.45	
13600.00	90.17	28.39	11283.07	2249.40	1215.72	2556.91	0.00	459571.38	775693.99	
13700.00	90.17	28.39	11282.77	2337.37	1263.27	2656.91	0.00	459659.35	775741.54	
13800.00	90.17	28.39	11282.47	2425.35	1310.82	2756.91	0.00	459747.33	775789.09	
13900.00	90.17	28.39	11282.18	2513.32	1358.36	2856.91	0.00	459835.30	775836.63	
14000.00	90.17	28.39	11281.88	2601.29	1405.91	2956.91	0.00	459923.27	775884.18	
14100.00	90.17	28.39	11281.58	2689.26	1453.46	3056.91	0.00	460011.24	775931.73	
14200.00	90.17	28.39	11281.28	2777.24	1501.00	3156.91	0.00	460099.22	775979.27	
14300.00	90.17	28.39	11280.98	2865.21	1548.55	3256.91	0.00	460187.19	776026.82	
14400.00	90.17	28.39	11280.68	2953.18	1596.10	3356.91	0.00	460275.16	776074.37	
14500.00	90.17	28.39	11280.38	3041.16	1643.64	3456.90	0.00	460363.14	776121.91	
14600.00	90.17	28.39	11280.08	3129.13	1691.19	3556.90	0.00	460451.11	776169.46	
14700.00	90.17	28.39	11279.78	3217.10	1738.74	3656.90	0.00	460539.08	776217.01	
14800.00	90.17	28.39	11279.49	3305.07	1786.28	3756.90	0.00	460627.05	776264.55	
14900.00	90.17	28.39	11279.19	3393.05	1833.83	3856.90	0.00	460715.03	776312.10	
15000.00	90.17	28.39	11278.89	3481.02	1881.38	3956.90	0.00	460803.00	776359.65	
15100.00	90.17	28.39	11278.59	3568.99	1928.92	4056.90	0.00	460890.97	776407.19	
15200.00	90.17	28.39	11278.29	3656.97	1976.47	4156.90	0.00	460978.95	776454.74	
15300.00	90.17	28.39	11277.99	3744.94	2024.01	4256.90	0.00	461066.92	776502.28	
15400.00	90.17	28.39	11277.69	3832.91	2071.56	4356.90	0.00	461154.89	776549.83	
15500.00	90.17	28.39	11277.39	3920.89	2119.11	4456.90	0.00	461242.87	776597.38	
15600.00	90.17	28.39	11277.09	4008.86	2166.65	4556.90	0.00	461330.84	776644.92	
15700.00	90.17	28.39	11276.80	4096.83	2214.20	4656.90	0.00	461418.81	776692.47	
15800.00	90.17	28.39	11276.50	4184.80	2261.75	4756.90	0.00	461506.78	776740.02	
15900.00	90.17	28.39	11276.20	4272.78	2309.29	4856.90	0.00	461594.76	776787.56	
16000.00	90.17	28.39	11275.90	4360.75	2356.84	4956.90	0.00	461682.73	776835.11	
16100.00	90.17	28.39	11275.60	4448.72	2404.39	5056.90	0.00	461770.70	776882.66	
16200.00	90.17	28.39	11275.30	4536.70	2451.93	5156.90	0.00	461858.68	776930.20	
16300.00	90.17	28.39	11275.00	4624.67	2499.48	5256.90	0.00	461946.65	776977.75	
16301.01	90.17	28.39	11275.00	4625.56	2499.96	5257.91	0.00	461947.54	776978.23	PBHL

Targets

Name	Description Dip.	Dir.	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	<--- Latitude --->			<--- Longitude --->		
PBHL			11275.00	4625.56	2499.96	461947.54	776978.23	32	16	3.595 N	103	34	15.472 W

Casing Points

MD	TVD	Diameter	Hole Size	Name



Weatherford

Wft Plan Report X Y's.



Weatherford

Company: Devon Energy	Date: 4/8/2013	Time: 11:54:55	Page: 3
Field: Lea County, New Mexico (NAD 83)	Co-ordinate(NE) Reference: Well: Tiger Snake 33 State 3H, Grid Nort		
Site: Tiger Snake 33 State 3H	Vertical (TVD) Reference: SITE 3685.0		
Well: Tiger Snake 33 State 3H	Section (VS) Reference: Well (0.00N,0.00E,28.39Azi)		
Wellpath: 1	Survey Calculation Method: Minimum Curvature		Db: Sybase

Annotation

MD ft	TVD ft	
10716.04	10716.04	KOP
11617.75	11289.00	LP
16301.01	11275.00	PBHL



Weatherford Anticollision Report

**Weatherford**

Company: Devon Energy Date: 4/8/2013 Time: 12:14:53 Page: 1
Field: Lea County, New Mexico (NAD 83)
Reference Site: Tiger Snake 33 State 3H Co-ordinate(NE) Reference: Well: Tiger Snake 33 State 3H, Grid North
Reference Well: Tiger Snake 33 State 3H 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 15115.03 ft
Maximum Radius 40000.00 ft

Reference: Plan: Plan #2
Error Model: ISCWSA Ellipse
Scan Method: Closest Approach 3D
Error Surface: Ellipse

Plan: Plan #2

Date Composed: 4/5/2013

Principal: Yes

Version: 1

Tied-to: From Surface

Summary

<----- Offset Wellpath ----->		Reference	Offset	Ctr-Ctr Edge	Separation	Warning
Site	Well	MD	MD	Distance	Distance Factor	
		ft	ft	ft	ft	
Tiger Snake 33 State	Tiger Snake 33 State 1 V0 Plan: Plan #1 V1	10716.04	10717.03	99.90	52.01	2.09
Tiger Snake 33 State	Tiger Snake 33 State 1 V0 Plan: Plan #2 V1	5600.00	5599.76	50.02	25.13	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		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	
0.00	0.00	1.00	1.00	0.00	0.00	269.67	-0.58	-99.90	99.90		No Data
100.00	100.00	101.00	101.00	0.08	0.09	269.67	-0.58	-99.90	99.90	99.73	584.83
200.00	200.00	201.00	201.00	0.31	0.31	269.67	-0.58	-99.90	99.90	99.28	161.04
300.00	300.00	301.00	301.00	0.53	0.54	269.67	-0.58	-99.90	99.90	98.83	93.38
400.00	400.00	401.00	401.00	0.76	0.76	269.67	-0.58	-99.90	99.90	98.38	65.75
500.00	500.00	501.00	501.00	0.98	0.99	269.67	-0.58	-99.90	99.90	97.93	50.74
600.00	600.00	601.00	601.00	1.21	1.21	269.67	-0.58	-99.90	99.90	97.48	41.31
700.00	700.00	701.00	701.00	1.43	1.44	269.67	-0.58	-99.90	99.90	97.03	34.83
800.00	800.00	801.00	801.00	1.66	1.66	269.67	-0.58	-99.90	99.90	96.58	30.11
900.00	900.00	901.00	901.00	1.88	1.88	269.67	-0.58	-99.90	99.90	96.13	26.52
1000.00	1000.00	1001.00	1001.00	2.11	2.11	269.67	-0.58	-99.90	99.90	95.69	23.69
1100.00	1100.00	1101.00	1101.00	2.33	2.33	269.67	-0.58	-99.90	99.90	95.24	21.41
1200.00	1200.00	1201.00	1201.00	2.56	2.56	269.67	-0.58	-99.90	99.90	94.79	19.53
1300.00	1300.00	1301.00	1301.00	2.78	2.78	269.67	-0.58	-99.90	99.90	94.34	17.95
1400.00	1400.00	1401.00	1401.00	3.01	3.01	269.67	-0.58	-99.90	99.90	93.89	16.61
1500.00	1500.00	1501.00	1501.00	3.23	3.23	269.67	-0.58	-99.90	99.90	93.44	15.45
1600.00	1600.00	1601.00	1601.00	3.46	3.46	269.67	-0.58	-99.90	99.90	92.99	14.45
1700.00	1700.00	1701.00	1701.00	3.68	3.68	269.67	-0.58	-99.90	99.90	92.54	13.57
1800.00	1800.00	1801.00	1801.00	3.91	3.91	269.67	-0.58	-99.90	99.90	92.09	12.79
1900.00	1900.00	1901.00	1901.00	4.13	4.13	269.67	-0.58	-99.90	99.90	91.64	12.09
2000.00	2000.00	2001.00	2001.00	4.35	4.36	269.67	-0.58	-99.90	99.90	91.19	11.47
2100.00	2100.00	2101.00	2101.00	4.58	4.58	269.67	-0.58	-99.90	99.90	90.74	10.90
2200.00	2200.00	2201.00	2201.00	4.80	4.81	269.67	-0.58	-99.90	99.90	90.29	10.39
2300.00	2300.00	2301.00	2301.00	5.03	5.03	269.67	-0.58	-99.90	99.90	89.84	9.93
2400.00	2400.00	2401.00	2401.00	5.25	5.26	269.67	-0.58	-99.90	99.90	89.39	9.51
2500.00	2500.00	2501.00	2501.00	5.48	5.48	269.67	-0.58	-99.90	99.90	88.94	9.12
2600.00	2600.00	2601.00	2601.00	5.70	5.71	269.67	-0.58	-99.90	99.90	88.49	8.76
2700.00	2700.00	2701.00	2701.00	5.93	5.93	269.67	-0.58	-99.90	99.90	88.04	8.42
2800.00	2800.00	2801.00	2801.00	6.15	6.16	269.67	-0.58	-99.90	99.90	87.59	8.12
2900.00	2900.00	2901.00	2901.00	6.38	6.38	269.67	-0.58	-99.90	99.90	87.14	7.83
3000.00	3000.00	3001.00	3001.00	6.60	6.60	269.67	-0.58	-99.90	99.90	86.69	7.56
3100.00	3100.00	3101.00	3101.00	6.83	6.83	269.67	-0.58	-99.90	99.90	86.24	7.32
3200.00	3200.00	3201.00	3201.00	7.05	7.05	269.67	-0.58	-99.90	99.90	85.80	7.08
3300.00	3300.00	3301.00	3301.00	7.28	7.28	269.67	-0.58	-99.90	99.90	85.35	6.86
3400.00	3400.00	3401.00	3401.00	7.50	7.50	269.67	-0.58	-99.90	99.90	84.90	6.66
3500.00	3500.00	3501.00	3501.00	7.73	7.73	269.67	-0.58	-99.90	99.90	84.45	6.46



Weatherford Anticollision Report

**Weatherford**

Company: Devon Energy
Field: Lea County, New Mexico (NAD 83)
Reference Site: Tiger Snake 33 State 3H
Reference Well: Tiger Snake 33 State 3H
Reference Wellpath:

Date: 4/8/2013

Time: 12:14:53

Page: 2

Co-ordinate(N/E) Reference: Well: Tiger Snake 33 State 3H, Grid Nort
Vertical (TVD) Reference: SITE 3685.0

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			
3600.00	3600.00	3601.00	3601.00	7.95	7.95	269.67	-0.58	-99.90	99.90	84.00	6.28		
3700.00	3700.00	3701.00	3701.00	8.18	8.18	269.67	-0.58	-99.90	99.90	83.55	6.11		
3800.00	3800.00	3801.00	3801.00	8.40	8.40	269.67	-0.58	-99.90	99.90	83.10	5.95		
3900.00	3900.00	3901.00	3901.00	8.63	8.63	269.67	-0.58	-99.90	99.90	82.65	5.79		
4000.00	4000.00	4001.00	4001.00	8.85	8.85	269.67	-0.58	-99.90	99.90	82.20	5.64		
4100.00	4100.00	4101.00	4101.00	9.07	9.08	269.67	-0.58	-99.90	99.90	81.75	5.50		
4200.00	4200.00	4201.00	4201.00	9.30	9.30	269.67	-0.58	-99.90	99.90	81.30	5.37		
4300.00	4300.00	4301.00	4301.00	9.52	9.53	269.67	-0.58	-99.90	99.90	80.85	5.24		
4400.00	4400.00	4401.00	4401.00	9.75	9.75	269.67	-0.58	-99.90	99.90	80.40	5.12		
4500.00	4500.00	4501.00	4501.00	9.97	9.98	269.67	-0.58	-99.90	99.90	79.95	5.01		
4600.00	4600.00	4601.00	4601.00	10.20	10.20	269.67	-0.58	-99.90	99.90	79.50	4.90		
4700.00	4700.00	4701.00	4701.00	10.42	10.43	269.67	-0.58	-99.90	99.90	79.05	4.79		
4800.00	4800.00	4801.00	4801.00	10.65	10.65	269.67	-0.58	-99.90	99.90	78.60	4.69		
4900.00	4900.00	4901.00	4901.00	10.87	10.88	269.67	-0.58	-99.90	99.90	78.15	4.59		
5000.00	5000.00	5001.00	5001.00	11.10	11.10	269.67	-0.58	-99.90	99.90	77.70	4.50		
5100.00	5100.00	5101.00	5101.00	11.32	11.32	269.67	-0.58	-99.90	99.90	77.25	4.41		
5200.00	5200.00	5201.00	5201.00	11.55	11.55	269.67	-0.58	-99.90	99.90	76.80	4.33		
5300.00	5300.00	5301.00	5301.00	11.77	11.77	269.67	-0.58	-99.90	99.90	76.36	4.24		
5400.00	5400.00	5401.00	5401.00	12.00	12.00	269.67	-0.58	-99.90	99.90	75.91	4.16		
5500.00	5500.00	5501.00	5501.00	12.22	12.22	269.67	-0.58	-99.90	99.90	75.46	4.09		
5600.00	5600.00	5601.00	5601.00	12.45	12.45	269.67	-0.58	-99.90	99.90	75.01	4.01		
5700.00	5700.00	5701.00	5701.00	12.67	12.67	269.67	-0.58	-99.90	99.90	74.56	3.94		
5800.00	5800.00	5801.00	5801.00	12.90	12.90	269.67	-0.58	-99.90	99.90	74.11	3.87		
5900.00	5900.00	5901.00	5901.00	13.12	13.12	269.67	-0.58	-99.90	99.90	73.66	3.81		
6000.00	6000.00	6001.00	6001.00	13.35	13.35	269.67	-0.58	-99.90	99.90	73.21	3.74		
6100.00	6100.00	6101.00	6101.00	13.57	13.57	269.67	-0.58	-99.90	99.90	72.76	3.68		
6200.00	6200.00	6201.00	6201.00	13.80	13.80	269.67	-0.58	-99.90	99.90	72.31	3.62		
6300.00	6300.00	6301.00	6301.00	14.02	14.02	269.67	-0.58	-99.90	99.90	71.86	3.56		
6400.00	6400.00	6401.00	6401.00	14.24	14.25	269.67	-0.58	-99.90	99.90	71.41	3.51		
6500.00	6500.00	6501.00	6501.00	14.47	14.47	269.67	-0.58	-99.90	99.90	70.96	3.45		
6600.00	6600.00	6601.00	6601.00	14.69	14.70	269.67	-0.58	-99.90	99.90	70.51	3.40		
6700.00	6700.00	6701.00	6701.00	14.92	14.92	269.67	-0.58	-99.90	99.90	70.06	3.35		
6800.00	6800.00	6801.00	6801.00	15.14	15.15	269.67	-0.58	-99.90	99.90	69.61	3.30		
6900.00	6900.00	6901.00	6901.00	15.37	15.37	269.67	-0.58	-99.90	99.90	69.16	3.25		
7000.00	7000.00	7001.00	7001.00	15.59	15.60	269.67	-0.58	-99.90	99.90	68.71	3.20		
7100.00	7100.00	7101.00	7101.00	15.82	15.82	269.67	-0.58	-99.90	99.90	68.26	3.16		
7200.00	7200.00	7201.00	7201.00	16.04	16.04	269.67	-0.58	-99.90	99.90	67.81	3.11		
7300.00	7300.00	7301.00	7301.00	16.27	16.27	269.67	-0.58	-99.90	99.90	67.36	3.07		
7400.00	7400.00	7401.00	7401.00	16.49	16.49	269.67	-0.58	-99.90	99.90	66.92	3.03		
7500.00	7500.00	7501.00	7501.00	16.72	16.72	269.67	-0.58	-99.90	99.90	66.47	2.99		
7600.00	7600.00	7601.00	7601.00	16.94	16.94	269.67	-0.58	-99.90	99.90	66.02	2.95		
7700.00	7700.00	7701.00	7701.00	17.17	17.17	269.67	-0.58	-99.90	99.90	65.57	2.91		
7800.00	7800.00	7801.00	7801.00	17.39	17.39	269.67	-0.58	-99.90	99.90	65.12	2.87		
7900.00	7900.00	7901.00	7901.00	17.62	17.62	269.67	-0.58	-99.90	99.90	64.67	2.84		
8000.00	8000.00	8001.00	8001.00	17.84	17.84	269.67	-0.58	-99.90	99.90	64.22	2.80		
8100.00	8100.00	8101.00	8101.00	18.07	18.07	269.67	-0.58	-99.90	99.90	63.77	2.76		
8200.00	8200.00	8201.00	8201.00	18.29	18.29	269.67	-0.58	-99.90	99.90	63.32	2.73		
8300.00	8300.00	8301.00	8301.00	18.52	18.52	269.67	-0.58	-99.90	99.90	62.87	2.70		
8400.00	8400.00	8401.00	8401.00	18.74	18.74	269.67	-0.58	-99.90	99.90	62.42	2.67		
8500.00	8500.00	8501.00	8501.00	18.96	18.97	269.67	-0.58	-99.90	99.90	61.97	2.63		
8600.00	8600.00	8601.00	8601.00	19.19	19.19	269.67	-0.58	-99.90	99.90	61.52	2.60		



Weatherford Anticollision Report

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Company: Devon Energy Date: 4/8/2013 Time: 12:14:53 Page: 3
Field: Lea County, New Mexico (NAD 83)
Reference Site: Tiger Snake 33 State 3H Co-ordinate(NE) Reference: Well: Tiger Snake 33 State 3H, Grid Nort
Reference Well: Tiger Snake 33 State 3H 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		
8700.00	8700.00	8701.00	8701.00	19.41	19.42	269.67	-0.58	-99.90	99.90	61.07	2.57	
8800.00	8800.00	8801.00	8801.00	19.64	19.64	269.67	-0.58	-99.90	99.90	60.62	2.54	
8900.00	8900.00	8901.00	8901.00	19.86	19.87	269.67	-0.58	-99.90	99.90	60.17	2.51	
9000.00	9000.00	9001.00	9001.00	20.09	20.09	269.67	-0.58	-99.90	99.90	59.72	2.49	
9100.00	9100.00	9101.00	9101.00	20.31	20.32	269.67	-0.58	-99.90	99.90	59.27	2.46	
9200.00	9200.00	9201.00	9201.00	20.54	20.54	269.67	-0.58	-99.90	99.90	58.82	2.43	
9300.00	9300.00	9301.00	9301.00	20.76	20.77	269.67	-0.58	-99.90	99.90	58.37	2.41	
9400.00	9400.00	9401.00	9401.00	20.99	20.99	269.67	-0.58	-99.90	99.90	57.92	2.38	
9500.00	9500.00	9501.00	9501.00	21.21	21.21	269.67	-0.58	-99.90	99.90	57.47	2.35	
9600.00	9600.00	9601.00	9601.00	21.44	21.44	269.67	-0.58	-99.90	99.90	57.03	2.33	
9700.00	9700.00	9701.00	9701.00	21.66	21.66	269.67	-0.58	-99.90	99.90	56.58	2.31	
9800.00	9800.00	9801.00	9801.00	21.89	21.89	269.67	-0.58	-99.90	99.90	56.13	2.28	
9900.00	9900.00	9901.00	9901.00	22.11	22.11	269.67	-0.58	-99.90	99.90	55.68	2.26	
10000.00	10000.00	10001.00	10001.00	22.34	22.34	269.67	-0.58	-99.90	99.90	55.23	2.24	
10100.00	10100.00	10101.00	10101.00	22.56	22.56	269.67	-0.58	-99.90	99.90	54.78	2.21	
10200.00	10200.00	10201.00	10201.00	22.79	22.79	269.67	-0.58	-99.90	99.90	54.33	2.19	
10300.00	10300.00	10301.00	10301.00	23.01	23.01	269.67	-0.58	-99.90	99.90	53.88	2.17	
10400.00	10400.00	10401.00	10401.00	23.24	23.24	269.67	-0.58	-99.90	99.90	53.43	2.15	
10500.00	10500.00	10501.00	10501.00	23.46	23.46	269.67	-0.58	-99.90	99.90	52.98	2.13	
10600.00	10600.00	10601.00	10601.00	23.68	23.69	269.67	-0.58	-99.90	99.90	52.53	2.11	
10700.00	10700.00	10701.00	10701.00	23.91	23.91	269.67	-0.58	-99.90	99.90	52.08	2.09	
10716.04	10716.04	10717.03	10717.03	23.95	23.95	269.81	-0.33	-99.90	99.90	52.01	2.09	
10750.00	10749.98	10750.91	10750.84	24.02	24.02	242.11	1.68	-99.92	100.40	52.36	2.09	
10800.00	10799.70	10800.58	10800.07	24.13	24.13	243.47	8.22	-99.96	102.92	54.69	2.13	
10850.00	10848.78	10849.89	10848.18	24.24	24.23	245.16	18.90	-100.04	107.59	59.18	2.22	
10900.00	10896.86	10898.71	10894.75	24.34	24.34	247.07	33.52	-100.15	114.38	65.80	2.35	
10950.00	10943.55	10946.95	10939.38	24.45	24.44	249.09	51.80	-100.28	123.23	74.48	2.53	
11000.00	10988.52	10994.54	10981.74	24.56	24.54	251.14	73.45	-100.44	134.06	85.14	2.74	
11050.00	11031.41	11041.42	11021.58	24.67	24.65	253.17	98.14	-100.62	146.76	97.65	2.99	
11100.00	11071.90	11087.57	11058.69	24.79	24.76	255.17	125.54	-100.82	161.22	111.89	3.27	
11150.00	11109.68	11132.98	11092.94	24.92	24.87	257.11	155.34	-101.04	177.28	127.71	3.58	
11200.00	11144.47	11177.68	11124.25	25.07	25.00	259.02	187.23	-101.27	194.80	144.94	3.91	
11250.00	11176.00	11221.70	11152.56	25.24	25.14	260.88	220.93	-101.52	213.62	163.44	4.26	
11300.00	11204.02	11265.11	11177.87	25.43	25.29	262.71	256.19	-101.78	233.59	183.05	4.62	
11350.00	11228.33	11307.98	11200.16	25.64	25.45	264.52	292.79	-102.04	254.56	203.61	5.00	
11400.00	11248.75	11350.41	11219.48	25.89	25.62	266.30	330.55	-102.32	276.37	224.97	5.38	
11450.00	11265.11	11392.49	11235.82	26.16	25.81	268.06	369.32	-102.60	298.86	246.97	5.76	
11500.00	11277.29	11434.35	11249.22	26.46	26.02	269.79	408.97	-102.89	321.89	269.48	6.14	
11550.00	11285.20	11476.12	11259.66	26.78	26.25	271.48	449.40	-103.19	345.32	292.34	6.52	
11600.00	11288.77	11517.92	11267.13	27.13	26.48	273.13	490.52	-103.49	368.98	315.41	6.89	
11617.75	11289.00	11532.80	11269.07	27.27	26.57	273.71	505.27	-103.60	377.41	323.63	7.02	
11700.00	11288.75	11602.49	11273.00	27.92	27.01	272.72	574.80	-104.10	416.79	361.89	7.59	
11800.00	11288.45	11690.08	11272.46	28.81	27.64	272.48	662.39	-104.74	464.96	408.53	8.24	
11900.00	11288.15	11777.70	11271.92	29.81	28.34	272.29	750.01	-105.38	513.12	454.99	8.83	
12000.00	11287.85	11865.32	11271.38	30.91	29.11	272.13	837.63	-106.02	561.29	501.30	9.36	
12100.00	11287.55	11952.95	11270.83	32.09	29.94	272.00	925.24	-106.66	609.47	547.46	9.83	
12200.00	11287.26	12040.57	11270.29	33.34	30.83	271.88	1012.86	-107.30	657.64	593.49	10.25	
12300.00	11286.96	12128.20	11269.75	34.66	31.78	271.78	1100.48	-107.94	705.82	639.40	10.63	
12400.00	11286.66	12215.82	11269.20	36.03	32.78	271.69	1188.10	-108.58	754.00	685.20	10.96	
12500.00	11286.36	12303.44	11268.66	37.46	33.83	271.62	1275.72	-109.22	802.18	730.90	11.25	
12600.00	11286.06	12391.07	11268.12	38.94	34.92	271.55	1363.34	-109.86	850.36	776.51	11.52	



Weatherford Anticollision Report



Company: Devon Energy Date: 4/8/2013 Time: 12:14:53 Page: 4
Field: Lea County, New Mexico (NAD 83)
Reference Site: Tiger Snake 33 State 3H Co-ordinate(NE) Reference: Well: Tiger Snake 33 State 3H, Grid North
Reference Well: Tiger Snake 33 State 3H 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 Edge Distance ft	Separation Distance ft	Factor	Warning
12700.00	11285.76	12478.69	11267.57	40.46	36.05	271.49	1450.96	-110.50	898.54	822.05	11.75	
12800.00	11285.46	12566.31	11267.03	42.02	37.21	271.44	1538.58	-111.14	946.72	867.51	11.95	
12900.00	11285.16	12653.94	11266.49	43.61	38.40	271.39	1626.20	-111.78	994.91	912.91	12.13	
13000.00	11284.86	12741.56	11265.95	45.23	39.63	271.34	1713.82	-112.42	1043.09	958.25	12.29	
13100.00	11284.57	12829.18	11265.40	46.88	40.88	271.30	1801.44	-113.06	1091.27	1003.53	12.44	
13200.00	11284.27	12916.81	11264.86	48.55	42.15	271.27	1889.06	-113.70	1139.46	1048.78	12.57	
13300.00	11283.97	13004.43	11264.32	50.24	43.44	271.23	1976.68	-114.34	1187.64	1093.97	12.68	
13400.00	11283.67	13092.05	11263.77	51.95	44.76	271.20	2064.30	-114.98	1235.83	1139.13	12.78	
13500.00	11283.37	13179.68	11263.23	53.68	46.09	271.17	2151.92	-115.62	1284.01	1184.25	12.87	
13600.00	11283.07	13267.30	11262.69	55.43	47.44	271.14	2239.54	-116.26	1332.20	1229.34	12.95	
13700.00	11282.77	13354.92	11262.15	57.19	48.80	271.12	2327.16	-116.90	1380.38	1274.40	13.03	
13800.00	11282.47	13442.55	11261.60	58.96	50.18	271.10	2414.78	-117.54	1428.57	1319.44	13.09	
13900.00	11282.18	13530.17	11261.06	60.75	51.57	271.07	2502.40	-118.18	1476.75	1364.45	13.15	
14000.00	11281.88	13617.79	11260.52	62.54	52.98	271.05	2590.01	-118.82	1524.94	1409.43	13.20	
14100.00	11281.58	13705.42	11259.97	64.35	54.39	271.03	2677.63	-119.46	1573.13	1454.40	13.25	
14200.00	11281.28	13793.04	11259.43	66.17	55.82	271.02	2765.25	-120.10	1621.31	1499.34	13.29	
14300.00	11280.98	13880.67	11258.89	67.99	57.25	271.00	2852.87	-120.74	1669.50	1544.27	13.33	
14400.00	11280.68	13968.29	11258.35	69.82	58.69	270.98	2940.49	-121.38	1717.69	1589.18	13.37	
14500.00	11280.38	14055.91	11257.80	71.66	60.14	270.97	3028.11	-122.02	1765.87	1634.08	13.40	
14600.00	11280.08	14143.54	11257.26	73.51	61.60	270.95	3115.73	-122.66	1814.06	1678.96	13.43	
14700.00	11279.78	14231.16	11256.72	75.36	63.07	270.94	3203.35	-123.30	1862.25	1723.83	13.45	
14800.00	11279.49	14318.78	11256.17	77.22	64.54	270.93	3290.97	-123.94	1910.43	1768.69	13.48	
14900.00	11279.19	14406.41	11255.63	79.08	66.02	270.91	3378.59	-124.58	1958.62	1813.53	13.50	
15000.00	11278.89	14494.03	11255.09	80.95	67.50	270.90	3466.21	-125.22	2006.81	1858.37	13.52	
15100.00	11278.59	14581.65	11254.54	82.82	68.99	270.89	3553.83	-125.86	2054.99	1903.19	13.54	

Site: Tiger Snake 33 State 2H
Well: Tiger Snake 33 State 2H
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	0.00	0.00	0.00	0.00	269.63	-0.32	-49.90	49.90			No Data
100.00	100.00	100.00	100.00	0.08	0.08	269.63	-0.32	-49.90	49.90	49.73	296.02	
200.00	200.00	200.00	200.00	0.31	0.31	269.63	-0.32	-49.90	49.90	49.28	80.73	
300.00	300.00	300.00	300.00	0.53	0.53	269.63	-0.32	-49.90	49.90	48.83	46.74	
400.00	400.00	400.00	400.00	0.76	0.76	269.63	-0.32	-49.90	49.90	48.38	32.89	
500.00	500.00	500.00	500.00	0.98	0.98	269.63	-0.32	-49.90	49.90	47.93	25.37	
600.00	600.00	600.00	600.00	1.21	1.21	269.63	-0.32	-49.90	49.90	47.48	20.65	
700.00	700.00	700.00	700.00	1.43	1.43	269.63	-0.32	-49.90	49.90	47.04	17.41	
800.00	800.00	800.00	800.00	1.66	1.66	269.63	-0.32	-49.90	49.90	46.59	15.05	
900.00	900.00	900.00	900.00	1.88	1.88	269.63	-0.32	-49.90	49.90	46.14	13.25	
1000.00	1000.00	1000.00	1000.00	2.11	2.11	269.63	-0.32	-49.90	49.90	45.69	11.84	
1100.00	1100.00	1100.00	1100.00	2.33	2.33	269.63	-0.32	-49.90	49.90	45.24	10.70	
1200.00	1200.00	1200.00	1200.00	2.56	2.56	269.63	-0.32	-49.90	49.90	44.79	9.76	
1300.00	1300.00	1300.00	1300.00	2.78	2.78	269.63	-0.32	-49.90	49.90	44.34	8.97	
1400.00	1400.00	1400.00	1400.00	3.01	3.01	269.63	-0.32	-49.90	49.90	43.89	8.30	
1500.00	1500.00	1500.00	1500.00	3.23	3.23	269.63	-0.32	-49.90	49.90	43.44	7.72	
1600.00	1600.00	1600.00	1600.00	3.46	3.46	269.63	-0.32	-49.90	49.90	42.99	7.22	
1700.00	1700.00	1700.00	1700.00	3.68	3.68	269.63	-0.32	-49.90	49.90	42.54	6.78	
1800.00	1800.00	1800.00	1800.00	3.91	3.91	269.63	-0.32	-49.90	49.90	42.09	6.39	
1900.00	1900.00	1900.00	1900.00	4.13	4.13	269.63	-0.32	-49.90	49.90	41.64	6.04	



Weatherford

Anticollision Report



Weatherford

Company: Devon Energy Date: 4/8/2013 Time: 12:14:53 Page: 5
Field: Lea County, New Mexico (NAD 83)
Reference Site: Tiger Snake 33 State 3H Co-ordinate(NE) Reference: Well: Tiger Snake 33 State 3H, Grid Nort
Reference Well: Tiger Snake 33 State 3H Vertical (TVD) Reference: SITE 3685.0
Reference Wellpath: Db: Sybase

Site: Tiger Snake 33 State 2H
Well: Tiger Snake 33 State 2H
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	TVD	MD	TVD	Ref	Offset	TFO-HS	North	East	Distance	Distance	Factor		
ft	ft	ft	ft	ft	ft	deg	ft	ft	ft	ft			
2000.00	2000.00	2000.00	2000.00	4.35	4.35	269.63	-0.32	-49.90	49.90	41.19	5.73		
2100.00	2100.00	2100.00	2100.00	4.58	4.58	269.63	-0.32	-49.90	49.90	40.74	5.45		
2200.00	2200.00	2200.00	2200.00	4.80	4.80	269.63	-0.32	-49.90	49.90	40.29	5.19		
2300.00	2300.00	2300.00	2300.00	5.03	5.03	269.63	-0.32	-49.90	49.90	39.84	4.96		
2400.00	2400.00	2400.00	2400.00	5.25	5.25	269.63	-0.32	-49.90	49.90	39.39	4.75		
2500.00	2500.00	2500.00	2500.00	5.48	5.48	269.63	-0.32	-49.90	49.90	38.94	4.55		
2600.00	2600.00	2600.00	2600.00	5.70	5.70	269.63	-0.32	-49.90	49.90	38.49	4.37		
2700.00	2700.00	2700.00	2700.00	5.93	5.93	269.63	-0.32	-49.90	49.90	38.04	4.21		
2800.00	2800.00	2800.00	2800.00	6.15	6.15	269.63	-0.32	-49.90	49.90	37.60	4.06		
2900.00	2900.00	2900.00	2900.00	6.38	6.38	269.63	-0.32	-49.90	49.90	37.15	3.91		
3000.00	3000.00	3000.00	3000.00	6.60	6.60	269.63	-0.32	-49.90	49.90	36.70	3.78		
3100.00	3100.00	3100.00	3100.00	6.83	6.83	269.63	-0.32	-49.90	49.90	36.25	3.65		
3200.00	3200.00	3200.00	3200.00	7.05	7.05	269.63	-0.32	-49.90	49.90	35.80	3.54		
3300.00	3300.00	3300.00	3300.00	7.28	7.28	269.63	-0.32	-49.90	49.90	35.35	3.43		
3400.00	3400.00	3400.00	3400.00	7.50	7.50	269.63	-0.32	-49.90	49.90	34.90	3.33		
3500.00	3500.00	3500.00	3500.00	7.73	7.73	269.63	-0.32	-49.90	49.90	34.45	3.23		
3600.00	3600.00	3600.00	3600.00	7.95	7.95	269.63	-0.32	-49.90	49.90	34.00	3.14		
3700.00	3700.00	3700.00	3700.00	8.18	8.18	269.63	-0.32	-49.90	49.90	33.55	3.05		
3800.00	3800.00	3800.00	3800.00	8.40	8.40	269.63	-0.32	-49.90	49.90	33.10	2.97		
3900.00	3900.00	3900.00	3900.00	8.63	8.63	269.63	-0.32	-49.90	49.90	32.65	2.89		
4000.00	4000.00	4000.00	4000.00	8.85	8.85	269.63	-0.32	-49.90	49.90	32.20	2.82		
4100.00	4100.00	4100.00	4100.00	9.07	9.07	269.63	-0.32	-49.90	49.90	31.75	2.75		
4200.00	4200.00	4200.00	4200.00	9.30	9.30	269.63	-0.32	-49.90	49.90	31.30	2.68		
4300.00	4300.00	4300.00	4300.00	9.52	9.52	269.63	-0.32	-49.90	49.90	30.85	2.62		
4400.00	4400.00	4400.00	4400.00	9.75	9.75	269.63	-0.32	-49.90	49.90	30.40	2.56		
4500.00	4500.00	4500.00	4500.00	9.97	9.97	269.63	-0.32	-49.90	49.90	29.95	2.50		
4600.00	4600.00	4600.00	4600.00	10.20	10.20	269.63	-0.32	-49.90	49.90	29.50	2.45		
4700.00	4700.00	4700.00	4700.00	10.42	10.42	269.63	-0.32	-49.90	49.90	29.05	2.39		
4800.00	4800.00	4800.00	4800.00	10.65	10.65	269.63	-0.32	-49.90	49.90	28.60	2.34		
4900.00	4900.00	4900.00	4900.00	10.87	10.87	269.63	-0.32	-49.90	49.90	28.15	2.29		
5000.00	5000.00	5000.00	5000.00	11.10	11.10	269.63	-0.32	-49.90	49.90	27.71	2.25		
5100.00	5100.00	5100.00	5100.00	11.32	11.32	269.63	-0.32	-49.90	49.90	27.26	2.20		
5200.00	5200.00	5200.00	5200.00	11.55	11.55	269.63	-0.32	-49.90	49.90	26.81	2.16		
5300.00	5300.00	5300.00	5300.00	11.77	11.77	269.63	-0.32	-49.90	49.90	26.36	2.12		
5400.00	5400.00	5400.00	5400.00	12.00	12.00	269.63	-0.32	-49.90	49.90	25.91	2.08		
5500.00	5500.00	5500.15	5500.11	12.22	12.22	272.65	2.30	-49.67	49.72	25.28	2.03		
5600.00	5600.00	5599.76	5599.39	12.45	12.44	281.62	10.08	-48.99	50.02	25.13	2.01		
5700.00	5700.00	5698.91	5697.84	12.67	12.66	294.47	21.82	-47.96	52.74	27.41	2.08		
5800.00	5800.00	5798.17	5796.36	12.90	12.88	305.83	33.87	-46.91	57.97	32.21	2.25		
5900.00	5900.00	5897.42	5894.87	13.12	13.11	315.04	45.92	-45.85	65.10	38.90	2.48		
6000.00	6000.00	5996.68	5993.39	13.35	13.34	322.30	57.97	-44.80	73.56	46.92	2.76		
6100.00	6100.00	6095.93	6091.90	13.57	13.58	328.01	70.02	-43.75	82.96	55.87	3.06		
6200.00	6200.00	6195.19	6190.42	13.80	13.81	332.52	82.07	-42.69	93.01	65.47	3.38		
6300.00	6300.00	6294.44	6288.93	14.02	14.05	336.14	94.12	-41.64	103.52	75.53	3.70		
6400.00	6400.00	6395.36	6389.16	14.24	14.28	339.02	105.88	-40.61	113.92	85.48	4.01		
6500.00	6500.00	6497.81	6491.17	14.47	14.47	340.96	115.31	-39.78	122.30	93.44	4.24		
6600.00	6600.00	6600.70	6593.83	14.69	14.66	342.19	122.03	-39.20	128.32	99.05	4.38		
6700.00	6700.00	6703.87	6696.93	14.92	14.85	342.87	126.00	-38.85	131.89	102.22	4.44		
6800.00	6800.00	6806.96	6800.00	15.14	15.03	343.06	127.21	-38.74	132.98	102.90	4.42		
6900.00	6900.00	6906.96	6900.00	15.37	15.23	343.06	127.21	-38.74	132.98	102.48	4.36		



Weatherford Anticollision Report



Company: Devon Energy Date: 4/8/2013 Time: 12:14:53 Page: 6
Field: Lea County, New Mexico (NAD 83)
Reference Site: Tiger Snake 33 State 3H Co-ordinate(NE) Reference: Well: Tiger Snake 33 State 3H, Grid Nort
Reference Well: Tiger Snake 33 State 3H Vertical (TVD) Reference: SITE 3685.0
Reference Wellpath: Db: Sybase

Site: Tiger Snake 33 State 2H
Well: Tiger Snake 33 State 2H
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	Factor	
7000.00	7000.00	7006.96	7000.00	15.59	15.45	343.06	127.21	-38.74	132.98	102.03	4.30	
7100.00	7100.00	7106.96	7100.00	15.82	15.67	343.06	127.21	-38.74	132.98	101.58	4.24	
7200.00	7200.00	7206.96	7200.00	16.04	15.90	343.06	127.21	-38.74	132.98	101.13	4.18	
7300.00	7300.00	7306.96	7300.00	16.27	16.12	343.06	127.21	-38.74	132.98	100.68	4.12	
7400.00	7400.00	7406.96	7400.00	16.49	16.34	343.06	127.21	-38.74	132.98	100.23	4.06	
7500.00	7500.00	7506.96	7500.00	16.72	16.56	343.06	127.21	-38.74	132.98	99.78	4.01	
7600.00	7600.00	7606.96	7600.00	16.94	16.78	343.06	127.21	-38.74	132.98	99.34	3.95	
7700.00	7700.00	7706.96	7700.00	17.17	17.01	343.06	127.21	-38.74	132.98	98.89	3.90	
7800.00	7800.00	7806.96	7800.00	17.39	17.23	343.06	127.21	-38.74	132.98	98.44	3.85	
7900.00	7900.00	7906.96	7900.00	17.62	17.45	343.06	127.21	-38.74	132.98	97.99	3.80	
8000.00	8000.00	8006.96	8000.00	17.84	17.68	343.06	127.21	-38.74	132.98	97.54	3.75	
8100.00	8100.00	8106.96	8100.00	18.07	17.90	343.06	127.21	-38.74	132.98	97.09	3.71	
8200.00	8200.00	8206.96	8200.00	18.29	18.12	343.06	127.21	-38.74	132.98	96.64	3.66	
8300.00	8300.00	8306.96	8300.00	18.52	18.34	343.06	127.21	-38.74	132.98	96.19	3.62	
8400.00	8400.00	8406.96	8400.00	18.74	18.57	343.06	127.21	-38.74	132.98	95.75	3.57	
8500.00	8500.00	8506.96	8500.00	18.96	18.79	343.06	127.21	-38.74	132.98	95.30	3.53	
8600.00	8600.00	8606.96	8600.00	19.19	19.01	343.06	127.21	-38.74	132.98	94.85	3.49	
8700.00	8700.00	8706.96	8700.00	19.41	19.24	343.06	127.21	-38.74	132.98	94.40	3.45	
8800.00	8800.00	8806.96	8800.00	19.64	19.46	343.06	127.21	-38.74	132.98	93.95	3.41	
8900.00	8900.00	8906.96	8900.00	19.86	19.68	343.06	127.21	-38.74	132.98	93.50	3.37	
9000.00	9000.00	9006.96	9000.00	20.09	19.90	343.06	127.21	-38.74	132.98	93.05	3.33	
9100.00	9100.00	9106.96	9100.00	20.31	20.13	343.06	127.21	-38.74	132.98	92.60	3.29	
9200.00	9200.00	9206.96	9200.00	20.54	20.35	343.06	127.21	-38.74	132.98	92.15	3.26	
9300.00	9300.00	9306.96	9300.00	20.76	20.57	343.06	127.21	-38.74	132.98	91.71	3.22	
9400.00	9400.00	9406.96	9400.00	20.99	20.80	343.06	127.21	-38.74	132.98	91.26	3.19	
9500.00	9500.00	9506.96	9500.00	21.21	21.02	343.06	127.21	-38.74	132.98	90.81	3.15	
9600.00	9600.00	9606.96	9600.00	21.44	21.24	343.06	127.21	-38.74	132.98	90.36	3.12	
9700.00	9700.00	9706.96	9700.00	21.66	21.47	343.06	127.21	-38.74	132.98	89.91	3.09	
9800.00	9800.00	9806.96	9800.00	21.89	21.69	343.06	127.21	-38.74	132.98	89.46	3.06	
9900.00	9900.00	9906.96	9900.00	22.11	21.91	343.06	127.21	-38.74	132.98	89.01	3.02	
10000.00	10000.00	10006.96	10000.00	22.34	22.14	343.06	127.21	-38.74	132.98	88.56	2.99	
10100.00	10100.00	10106.96	10100.00	22.56	22.36	343.06	127.21	-38.74	132.98	88.11	2.96	
10200.00	10200.00	10206.96	10200.00	22.79	22.58	343.06	127.21	-38.74	132.98	87.66	2.93	
10300.00	10300.00	10306.96	10300.00	23.01	22.81	343.06	127.21	-38.74	132.98	87.22	2.91	
10400.00	10400.00	10406.96	10400.00	23.24	23.03	343.06	127.21	-38.74	132.98	86.77	2.88	
10500.00	10500.00	10506.96	10500.00	23.46	23.26	343.06	127.21	-38.74	132.98	86.32	2.85	
10600.00	10600.00	10606.96	10600.00	23.68	23.48	343.06	127.21	-38.74	132.98	85.87	2.82	
10700.00	10700.00	10705.65	10698.70	23.91	23.70	343.07	127.25	-38.73	133.02	85.45	2.80	
10716.04	10716.04	10719.05	10712.09	23.95	23.73	343.14	127.55	-38.65	133.33	85.71	2.80	
10750.00	10749.98	10747.38	10740.36	24.02	23.79	314.95	129.18	-38.21	134.34	86.62	2.81	
10800.00	10799.70	10789.02	10781.69	24.13	23.89	314.90	134.02	-36.90	135.84	88.04	2.84	
10850.00	10848.78	10830.60	10822.49	24.24	23.99	314.44	141.73	-34.80	137.33	89.55	2.87	
10900.00	10896.86	10872.13	10862.55	24.34	24.10	313.61	152.26	-31.95	138.86	91.15	2.91	
10950.00	10943.55	10913.63	10901.69	24.45	24.21	312.41	165.55	-28.34	140.46	92.88	2.95	
11000.00	10988.52	10955.12	10939.72	24.56	24.32	310.89	181.53	-24.00	142.19	94.74	3.00	
11050.00	11031.41	10996.63	10976.46	24.67	24.44	309.05	200.14	-18.95	144.14	96.80	3.05	
11100.00	11071.90	11038.17	11011.75	24.79	24.57	306.95	221.28	-13.21	146.38	99.10	3.10	
11150.00	11109.68	11079.77	11045.40	24.92	24.71	304.62	244.88	-6.81	149.02	101.68	3.15	
11200.00	11144.47	11121.47	11077.26	25.07	24.86	302.11	270.83	0.23	152.14	104.63	3.20	
11250.00	11176.00	11163.31	11107.18	25.24	25.02	299.47	299.04	7.89	155.85	108.01	3.26	
11300.00	11204.02	11205.31	11134.99	25.43	25.20	296.74	329.41	16.13	160.21	111.89	3.32	



Weatherford Anticollision Report

**Weatherford**

Company: Devon Energy Date: 4/8/2013 Time: 12:14:53 Page: 7
Field: Lea County, New Mexico (NAD 83)
Reference Site: Tiger Snake 33 State 3H Co-ordinate(NE) Reference: Well: Tiger Snake 33 State 3H, Grid North
Reference Well: Tiger Snake 33 State 3H Vertical (TVD) Reference: SITE 3685.0
Reference Wellpath: Db: Sybase

Site: Tiger Snake 33 State 2H
Well: Tiger Snake 33 State 2H
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	TVD	MD	TVD	Ref	Offset	TFO-HS	North	East	Distance	Distance	Factor		
ft	ft	ft	ft	ft	ft	deg	ft	ft	ft	ft			
11350.00	11228.33	11247.54	11160.55	25.64	25.39	293.99	361.83	24.93	165.28	116.36	3.38		
11400.00	11248.75	11290.03	11183.70	25.89	25.60	291.25	396.21	34.26	171.12	121.46	3.45		
11450.00	11265.11	11332.85	11204.30	26.16	25.83	288.57	432.43	44.08	177.73	127.25	3.52		
11500.00	11277.29	11376.05	11222.18	26.46	26.08	285.98	470.38	54.38	185.12	133.75	3.60		
11550.00	11285.20	11419.71	11237.19	26.78	26.35	283.52	509.93	65.12	193.26	140.97	3.70		
11600.00	11288.77	11463.90	11249.16	27.13	26.65	281.20	550.97	76.25	202.10	148.88	3.80		
11617.75	11289.00	11479.73	11252.64	27.27	26.76	280.41	565.87	80.30	205.39	151.85	3.84		
11700.00	11288.75	11554.90	11263.32	27.92	27.30	276.77	637.63	99.77	222.26	167.25	4.04		
11800.00	11288.45	11650.13	11264.60	28.81	28.08	275.78	729.50	124.70	244.81	188.07	4.32		
11900.00	11288.15	11747.48	11263.76	29.81	28.94	275.41	823.45	150.19	267.60	208.99	4.57		
12000.00	11287.85	11844.84	11262.93	30.91	29.89	275.10	917.40	175.69	290.41	229.75	4.79		
12100.00	11287.55	11942.19	11262.09	32.09	30.91	274.83	1011.35	201.18	313.22	250.36	4.98		
12200.00	11287.26	12039.55	11261.26	33.34	31.99	274.60	1105.30	226.68	336.04	270.83	5.15		
12300.00	11286.96	12136.90	11260.42	34.66	33.14	274.40	1199.26	252.18	358.86	291.19	5.30		
12400.00	11286.66	12234.25	11259.58	36.03	34.34	274.22	1293.21	277.67	381.69	311.43	5.43		
12500.00	11286.36	12331.61	11258.75	37.46	35.59	274.06	1387.16	303.17	404.52	331.58	5.55		
12600.00	11286.06	12428.96	11257.91	38.94	36.89	273.92	1481.11	328.66	427.35	351.63	5.64		
12700.00	11285.76	12526.31	11257.08	40.46	38.22	273.79	1575.07	354.16	450.18	371.61	5.73		
12800.00	11285.46	12623.67	11256.24	42.02	39.59	273.68	1669.02	379.65	473.02	391.52	5.80		
12900.00	11285.16	12721.02	11255.40	43.61	40.99	273.57	1762.97	405.15	495.85	411.36	5.87		
13000.00	11284.86	12818.37	11254.57	45.23	42.42	273.48	1856.92	430.64	518.69	431.15	5.93		
13100.00	11284.57	12915.73	11253.73	46.88	43.88	273.39	1950.87	456.14	541.53	450.89	5.97		
13200.00	11284.27	13013.08	11252.90	48.55	45.36	273.31	2044.83	481.63	564.37	470.58	6.02		
13300.00	11283.97	13110.43	11252.06	50.24	46.86	273.24	2138.78	507.13	587.22	490.22	6.05		
13400.00	11283.67	13207.79	11251.22	51.95	48.38	273.17	2232.73	532.63	610.06	509.83	6.09		
13500.00	11283.37	13305.14	11250.39	53.68	49.92	273.11	2326.68	558.12	632.90	529.41	6.12		
13600.00	11283.07	13402.50	11249.55	55.43	51.47	273.05	2420.63	583.62	655.75	548.95	6.14		
13700.00	11282.77	13499.85	11248.72	57.19	53.04	273.00	2514.59	609.11	678.59	568.47	6.16		
13800.00	11282.47	13597.20	11247.88	58.96	54.62	272.94	2608.54	634.61	701.44	587.96	6.18		
13900.00	11282.18	13694.56	11247.04	60.75	56.22	272.90	2702.49	660.10	724.29	607.43	6.20		
14000.00	11281.88	13791.91	11246.21	62.54	57.82	272.85	2796.44	685.60	747.13	626.87	6.21		
14100.00	11281.58	13889.26	11245.37	64.35	59.44	272.81	2890.39	711.09	769.98	646.30	6.23		
14200.00	11281.28	13986.62	11244.53	66.17	61.06	272.77	2984.35	736.59	792.83	665.70	6.24		
14300.00	11280.98	14083.97	11243.70	67.99	62.70	272.73	3078.30	762.08	815.67	685.09	6.25		
14400.00	11280.68	14181.32	11242.86	69.82	64.34	272.70	3172.25	787.58	838.52	704.47	6.26		
14500.00	11280.38	14278.68	11242.03	71.66	65.99	272.66	3266.20	813.08	861.37	723.83	6.26		
14600.00	11280.08	14376.03	11241.19	73.51	67.65	272.63	3360.16	838.57	884.22	743.18	6.27		
14700.00	11279.78	14473.38	11240.35	75.36	69.31	272.60	3454.11	864.07	907.07	762.51	6.27		
14800.00	11279.49	14570.74	11239.52	77.22	70.98	272.57	3548.06	889.56	929.92	781.83	6.28		
14900.00	11279.19	14668.09	11238.68	79.08	72.65	272.54	3642.01	915.06	952.77	801.15	6.28		
15000.00	11278.89	14765.45	11237.85	80.95	74.33	272.52	3735.96	940.55	975.62	820.45	6.29		
15100.00	11278.59	14862.80	11237.01	82.82	76.01	272.49	3829.92	966.05	998.47	839.74	6.29		

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

GeoDec v5.03

Report Date: April 08, 2013
Job Number: _____
Customer: Devon Energy
Well Name: Tiger Snake 33 State 3H
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 457321.980 USFT	Latitude 32.2550022 DEG
East/West 774478.270 USFT	Longitude -103.5791520 DEG
Grid Convergence: .40°	
Total Correction: +7.03°	

Geodetic Location WGS84	Elevation =	0.0 Meters
Latitude =	32.25500° N	32° 15 min 18.008 sec
Longitude =	103.57915° W	103° 34 min 44.947 sec

Magnetic Declination =	7.43°	[True North Offset]
Local Gravity =	.9988 g	Checksum = 6446
Local Field Strength =	48410 nT	Magnetic Vector X = 23918 nT
Magnetic Dip =	60.12°	Magnetic Vector Y = 3121 nT
Magnetic Model =	bggm2012	Magnetic Vector Z = 41973 nT
Spud Date =	Aug 15, 2013	Magnetic Vector H = 24121 nT

Signed: _____

Date: _____