

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Avenue, Artesia, NM 88210

District III

1000 Rio Brazos Rd , Aztec, NM 87410

District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505

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 October 15, 2009

Submit one copy to appropriate

District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-40781	² Pool Code 60660	³ Pool Name Turkey Track; Bone Spring
⁴ Property Code 39356	⁵ Property Name PERIDOT "13" STATE	⁶ Well Number 7H
⁷ OGRID No. 6137	⁸ Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.	⁹ Elevation 3393.5

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
H	12	19 S	29 E		1650	NORTH	1195	EAST	EDDY

" Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot ldn	Feet from the	North/South line	Feet from the	East/West line	County
O	13	19 S	29 E		330	SOUTH	1980	EAST	EDDY

¹² Dedicated Acres 160.00	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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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.

RECEIVED

SEP 07 2012

NMOCD ARTESIA

N 89° 42' 27" W 2668.44 FT
 NW CORNER SEC. 12
 LAT. = 32.6823474° N
 LONG. = 104.0359332° W
 NWSP EAST (FT)
 N = 612086.52
 E = 637531.22

N 0 CORNER SEC. 12
 LAT. = 32.6827892° N
 LONG. = 104.0282605° W
 NWSP EAST (FT)
 N = 612082.90
 E = 636199.62

NE CORNER SEC. 12
 LAT. = 32.6823087° N
 LONG. = 104.0196839° W
 NWSP EAST (FT)
 N = 612069.36
 E = 637838.47

PERIOD "13" STATE #7H
 ELEV. = 3393.5'
 LAT. = 32.6777232° N (104.0833)
 LONG. = 104.0236004° W
 SURFACE LOCATION
 NWSP EAST (FT)
 N = 610425.90
 E = 636638.26

SEC. 12
 SE CORNER SEC. 12
 LAT. = 32.677118° N
 LONG. = 104.0197913° W
 NWSP EAST (FT)
 N = 608787.10
 E = 637821.03

SB 90° 16' E 2637.37 FT
 NW CORNER SEC. 13
 LAT. = 32.6678368° N
 LONG. = 104.0369318° W
 NWSP EAST (FT)
 N = 606817.37
 E = 632546.38

SB 90° 16' E 2637.37 FT
 SE CORNER SEC. 13
 LAT. = 32.6604455° N
 LONG. = 104.0198991° W
 NWSP EAST (FT)
 N = 604143.56
 E = 637823.37

SB 90° 16' E 2637.37 FT
 SW CORNER SEC. 13
 LAT. = 32.6532181° N
 LONG. = 104.0369287° W
 NWSP EAST (FT)
 N = 601536.74
 E = 637562.09

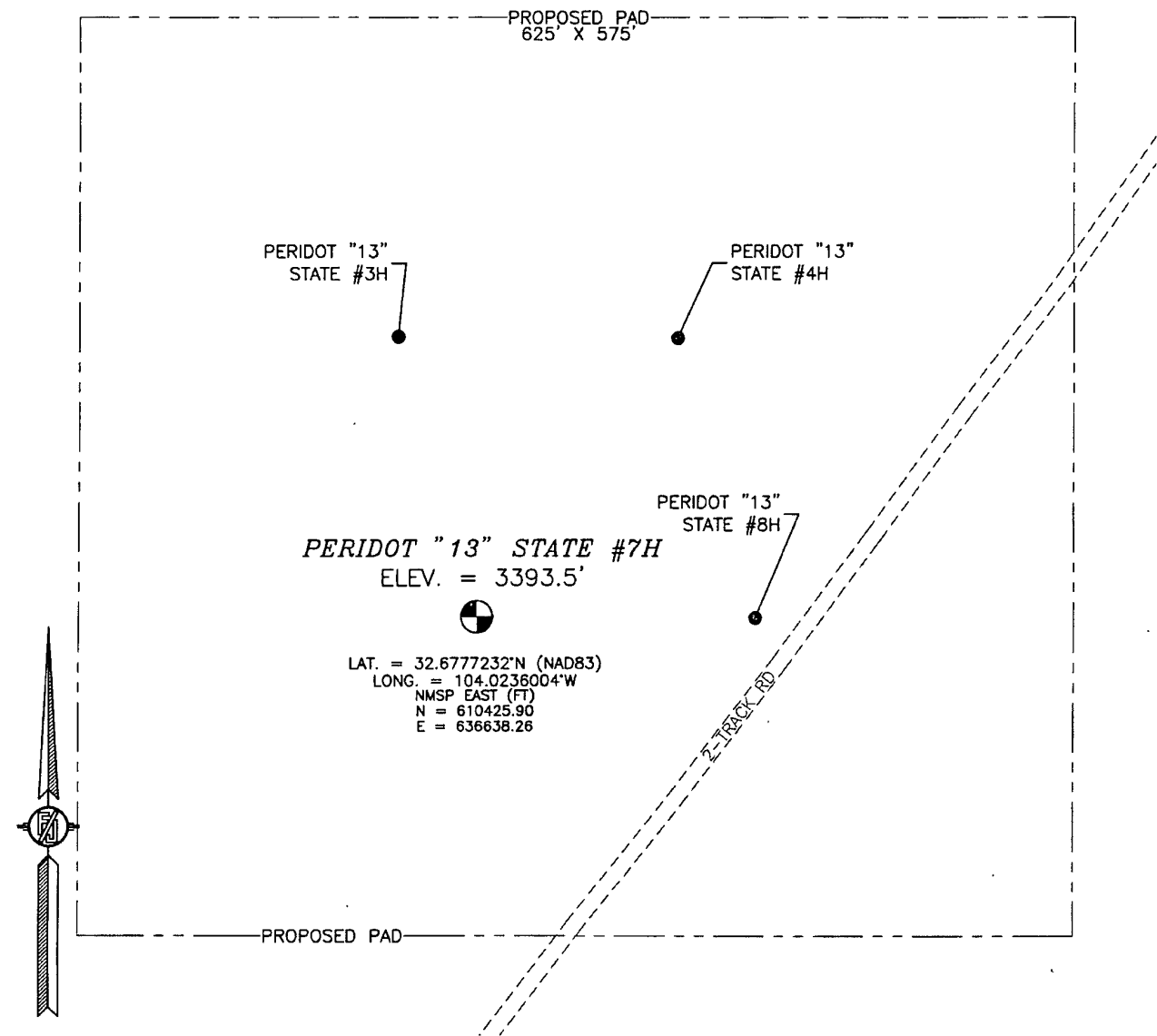
BOTTOM OF HOLE
 LAT. = 32.6541573° N
 LONG. = 104.0263007° W
 NWSP EAST (FT)
 N = 601500.00
 E = 635553.75

BOTTOM OF HOLE
 LAT. = 32.6532081° N
 LONG. = 104.0369287° W
 NWSP EAST (FT)
 N = 601536.74
 E = 637562.09

W-2141
 B
 C
 D
 E

Project Area
 Completion Interval

SECTION 12, TOWNSHIP 19 SOUTH, RANGE 29 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO



LAT. = 32.6777232°N (NAD83)
LONG. = 104.0236004°W
NMSP EAST (FT)
N = 610425.90
E = 636638.26

010 50 100 200

SCALE 1" = 100'

DIRECTIONS TO LOCATION

FROM THE INTERSECTION OF CR 210 (OLD LOCO) AND STATE HIGHWAY 360, GO SOUTHEAST ON STATE HIGHWAY 360 FOR APPROX. 3.2 MILES. GO SOUTH (DCP WEST TURKEY TRACK COMPRESSOR STATION SIGN) FOR APPROX. 1.2 MILES. GO SOUTHEAST-SOUTH FOR APPROX. 0.3 OF A MILE. GO EAST APPROX. 0.1 OF A MILE. SOUTHWEST APPROX. 0.2 OF A MILE TO PAD SURVEY.

DEVON ENERGY PRODUCTION COMPANY, L.P.

PERIDOT "13" STATE #7H

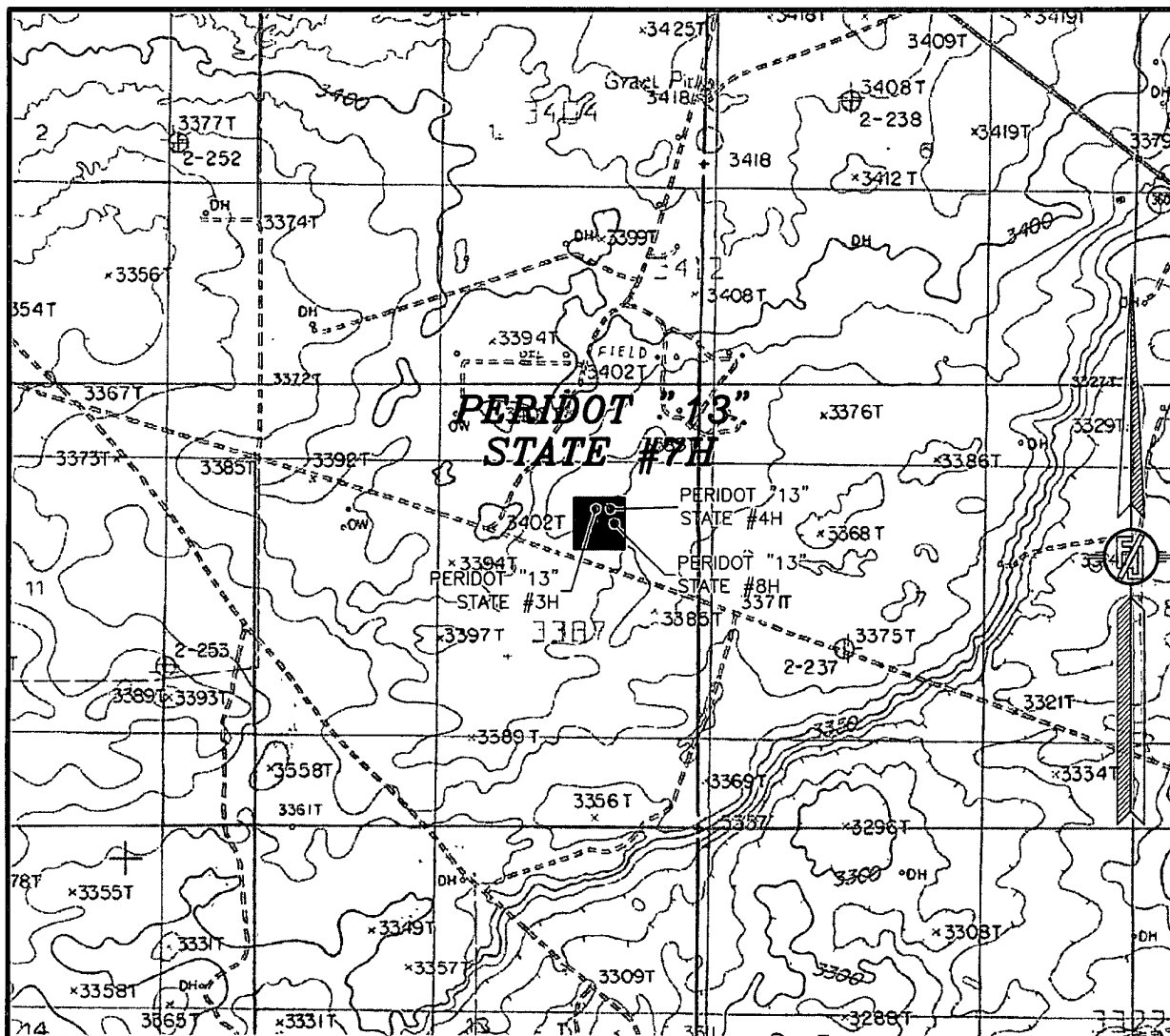
LOCATED 1650 FT. FROM THE NORTH LINE
AND 1195 FT. FROM THE EAST LINE OF
SECTION 12, TOWNSHIP 19 SOUTH,
RANGE 29 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

MAY 5, 2012

SURVEY NO. 1013

MADRON SURVEYING, INC. 301 SOUTH CANAL (575) 214-3341 CARLSBAD, NEW MEXICO

SECTION 12, TOWNSHIP 19 SOUTH, RANGE 29 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO
LOCATION VERIFICATION MAP



USGS QUAD MAP:
ILLINOIS CAMP NE

NOT TO SCALE

DEVON ENERGY PRODUCTION COMPANY, L.P.

PERIDOT "13" STATE #7H

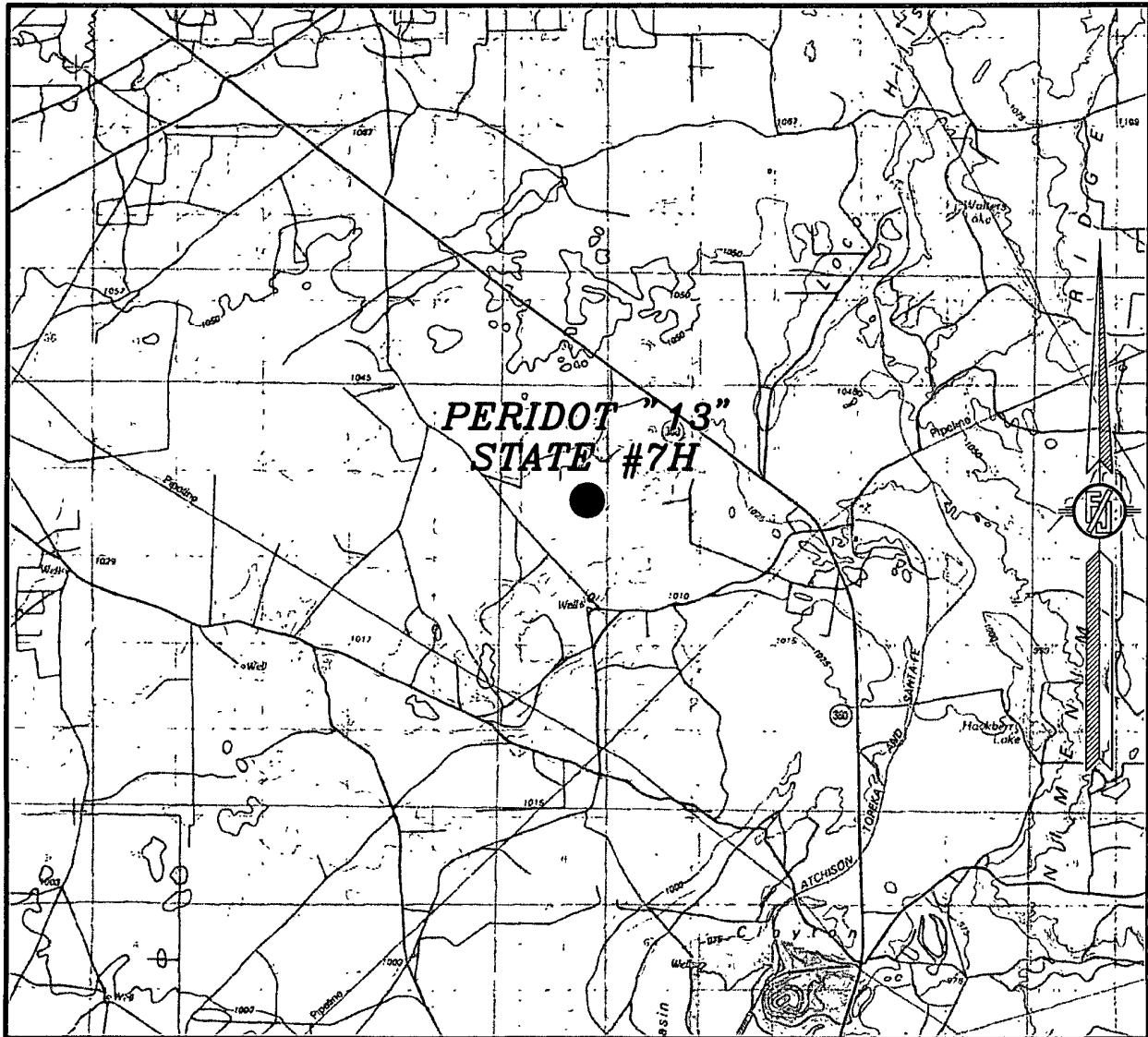
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AND 1195 FT. FROM THE EAST LINE OF
SECTION 12, TOWNSHIP 19 SOUTH,
RANGE 29 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

MAY 5, 2012

SURVEY NO. 1013

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

SECTION 12, TOWNSHIP 19 SOUTH, RANGE 29 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO
VICINITY MAP



NOT TO SCALE

DEVON ENERGY PRODUCTION COMPANY, L.P.

PERIDOT "13" STATE #7H

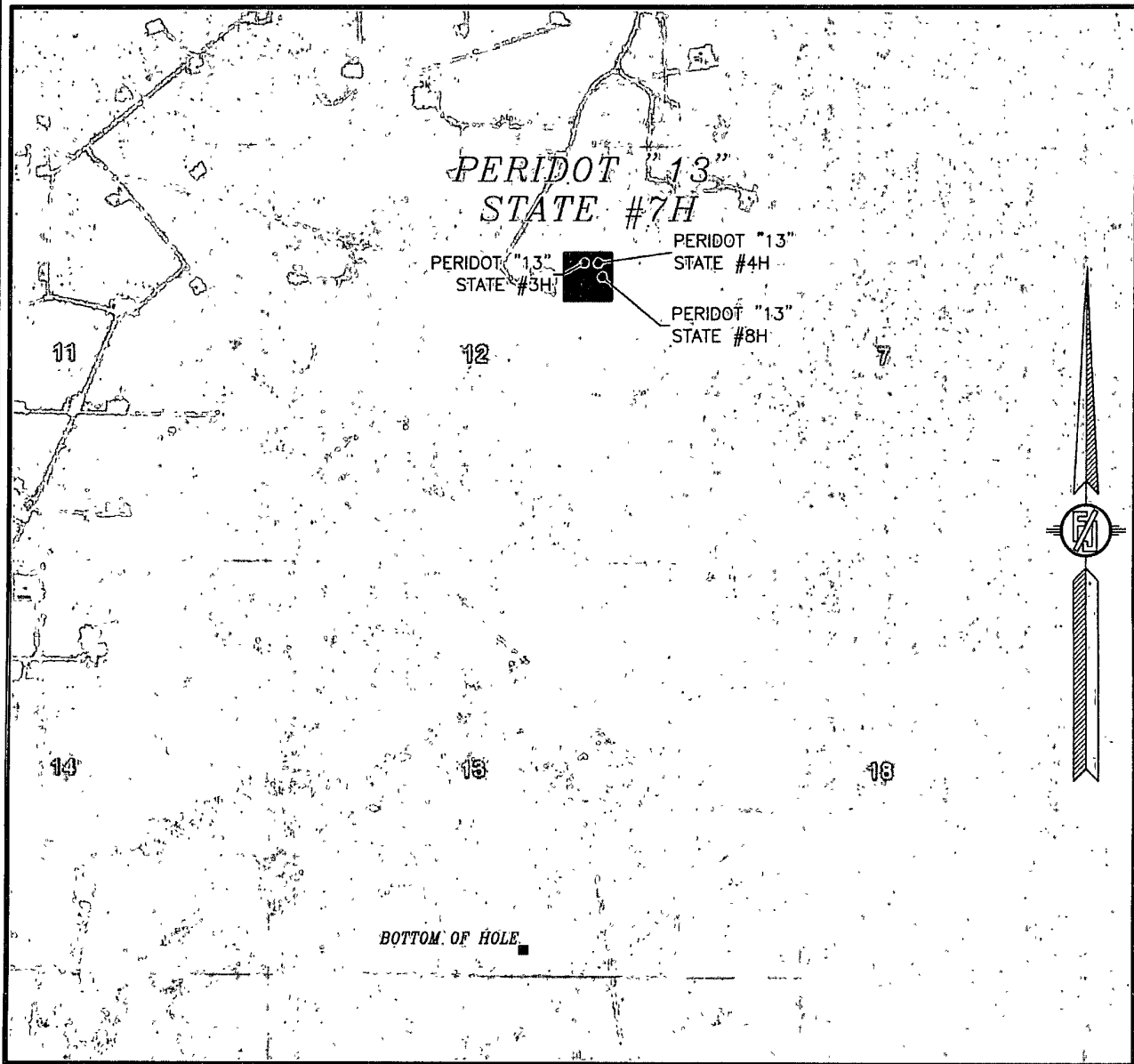
LOCATED 1650 FT. FROM THE NORTH LINE
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SECTION 12, TOWNSHIP 19 SOUTH,
RANGE 29 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

MAY 5, 2012

SURVEY NO. 1013

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

SECTION 12, TOWNSHIP 19 SOUTH, RANGE 29 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO
AERIAL PHOTO



NOT TO SCALE
AERIAL PHOTO:
GOOGLE EARTH
JUNE, 2011

DEVON ENERGY PRODUCTION COMPANY, L.P.

PERIDOT "13" STATE #7H

LOCATED 1650 FT. FROM THE NORTH LINE
AND 1195 FT. FROM THE EAST LINE OF
SECTION 12, TOWNSHIP 19 SOUTH,
RANGE 29 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

MAY 5, 2012

SURVEY NO. 1013

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



Weatherford®

Drilling Services

Proposal



devon

PERIDOT 13 STATE #7H

EDDY COUNTY, NM

WELL FILE: **PLAN 1**

JULY 18, 2012

Weatherford International, Ltd.

P.O. Box 61028

Midland, TX 79711 USA

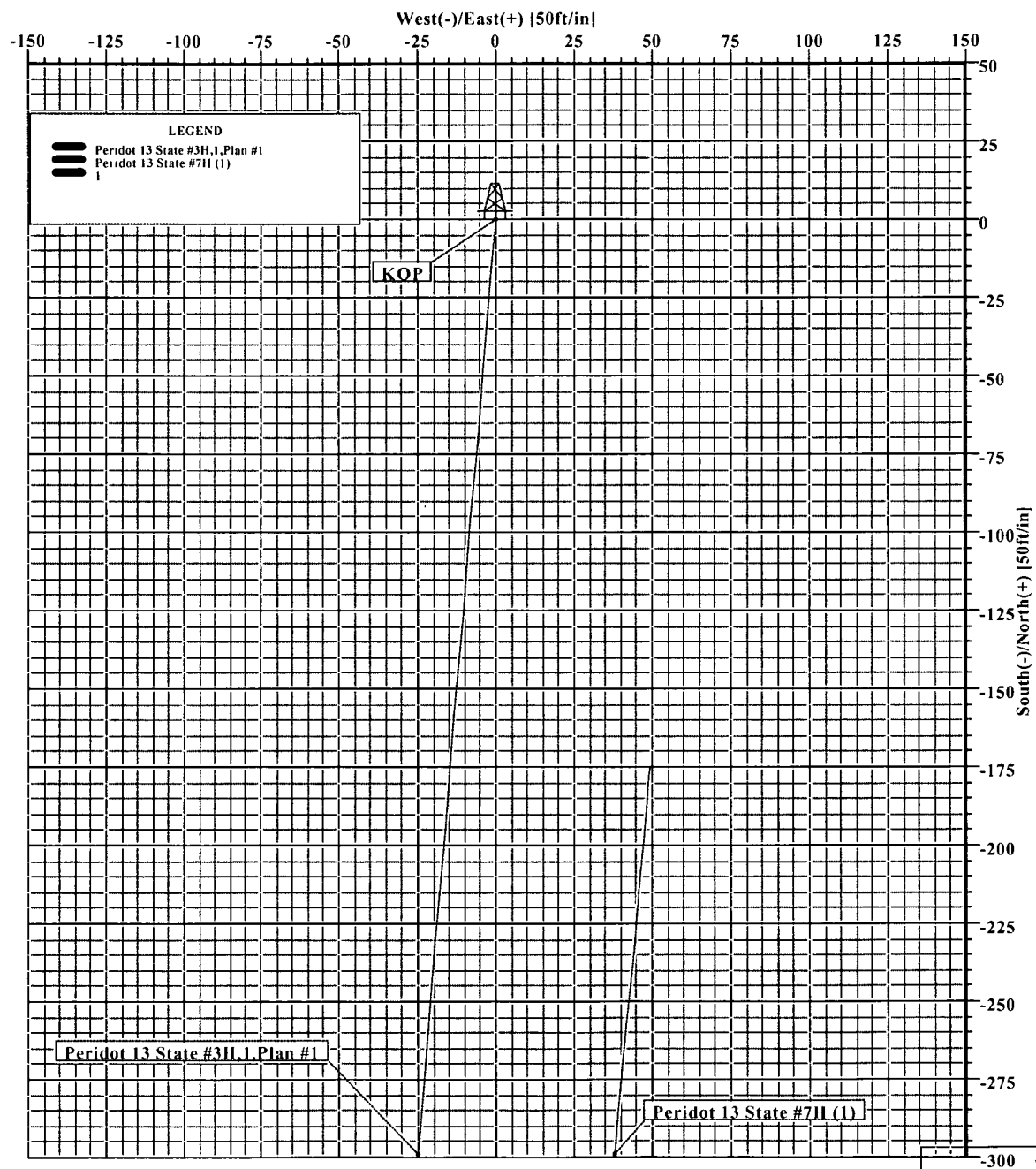
+1.432.561.8892 Main

+1.432.561.8895 Fax

www.weatherford.com



Peridot 13 State #3H
Eddy Co., New Mexico



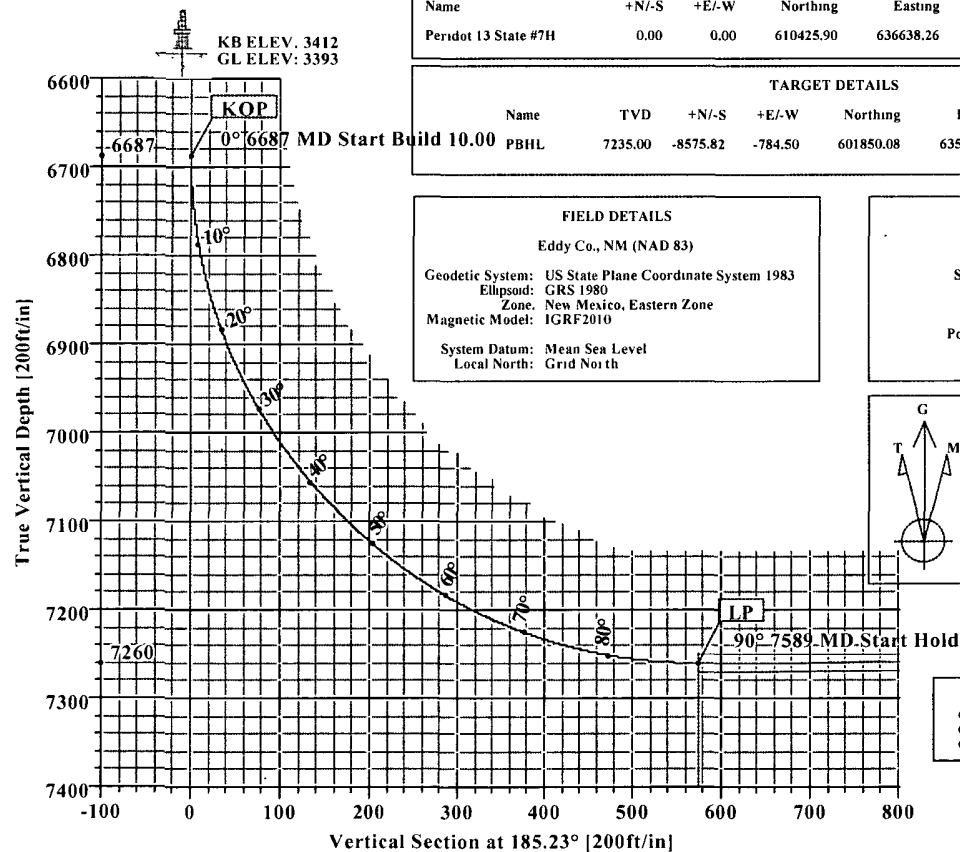
-300 Wellpath: (Peridot 13 State #3H/I)

Created By: Russell W. Joyner

Date: 7/18/2012



Peridot 13 State #7H
Eddy Co., New Mexico



SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	185.23	0.00	0.00	0.00	0.00	0.00	0.00	
2	6687.04	0.00	185.23	6687.04	0.00	0.00	0.00	0.00	0.00	
3	7588.82	90.18	185.23	7260.00	-572.35	-52.36	10.00	185.23	574.74	
4	15625.75	90.18	185.23	7235.00	-8575.82	-784.50	0.00	0.00	8611.63	PBHL

WELL DETAILS							
Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
Peridot 13 State #7H	0.00	0.00	610425.90	636638.26	32°40'39.791N	104°01'24.976W	N/A

TARGET DETAILS						
Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
PBHL	7235.00	-8575.82	-784.50	601850.08	635853.76	Rectangle (8037x50)

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

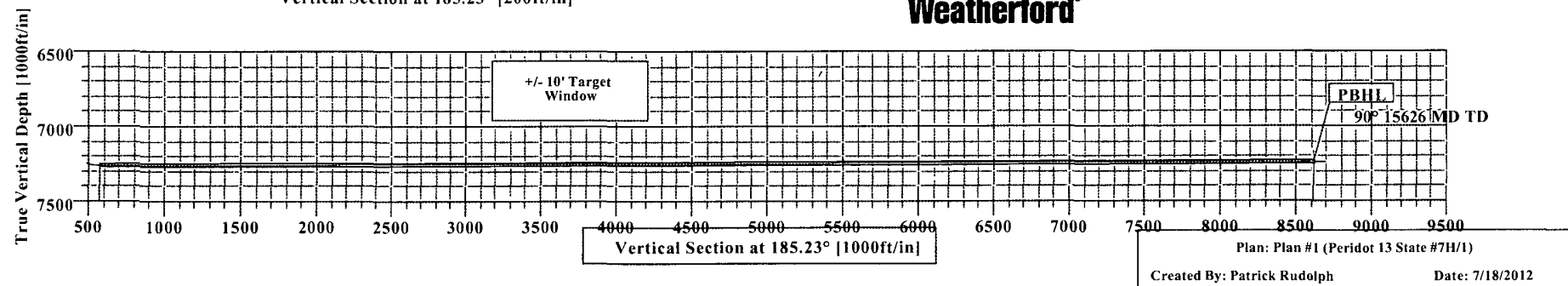
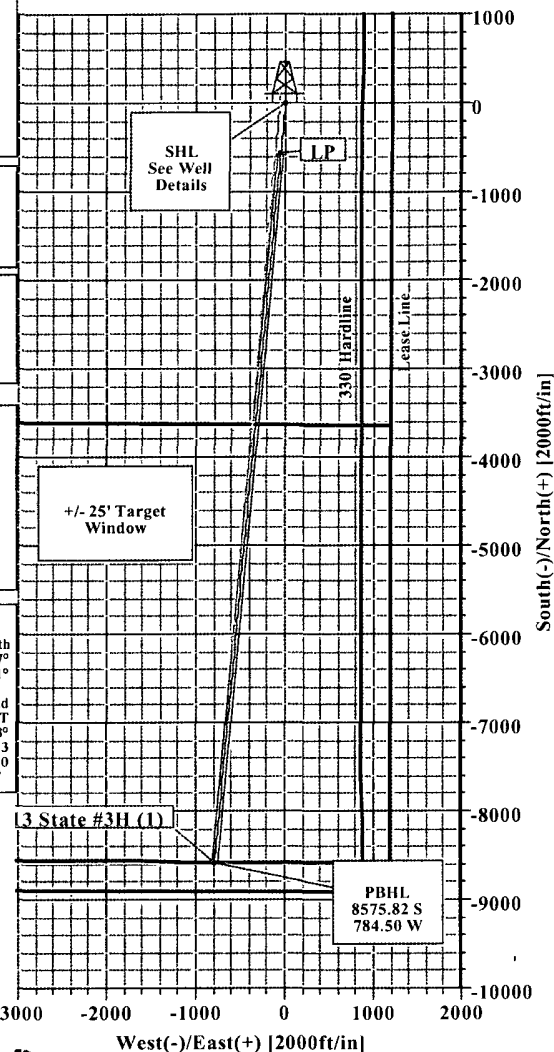
SITE DETAILS
Peridot 13 State #7H
Site Centre Northing: 610425.90
Easting: 636638.26
Ground Level: 3393.00
Positional Uncertainty: 0.00
Convergence: 0.17

LEGEND
Peridot 13 State #3H (1)
Plan #1

Weatherford

13 State #3H (1)

PBHL
8575.82 S
784.50 W





Weatherford International Ltd.

WFT Plan Report - X & Y's

**Weatherford**

Company: Devon Energy	Date: 7/18/2012	Time: 12 52:01	Page: 1
Field: Eddy Co , NM (NAD 83)	Co-ordinate(NE) Reference: Well Peridot 13 State #7H, Grid North		
Site: Peridot 13 State #7H	Vertical (TVD) Reference: SITE 3412.0		
Well: Peridot 13 State #7H	Section (VS) Reference: Well (0 00N,0.00E,185 23Azi)		
Wellpath: 1	Survey Calculation Method: Minimum Curvature	Db: Sybase	

Plan: Plan #1	Date Composed: 7/18/2012
Principal: Yes	Version: 1
	Tied-to: From Surface

Field: Eddy Co , NM (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**Site:** Peridot 13 State #7H

Site Position:	Northing: 610425 90 ft	Latitude: 32 40 39 791 N
From: Map	Easting: 636638 26 ft	Longitude: 104 1 24 976 W
Position Uncertainty: 0.00 ft		North Reference: Grid
Ground Level: 3393.00 ft		Grid Convergence: 0.17 deg

Well: Peridot 13 State #7H**Slot Name:**

Well Position: +N/-S 0 00 ft	Northing: 610425 90 ft	Latitude: 32 40 39 791 N
+E/-W 0 00 ft	Easting: 636638 26 ft	Longitude: 104 1 24 976 W
Position Uncertainty: 0 00 ft		

Wellpath: 1**Current Datum:** SITE
Magnetic Data: 7/15/2013
Field Strength: 48657 nT
Vertical Section: Depth From (TVD)
ft**Height** 3412 00 ft**Drilled From:** Surface
Tie-on Depth: 0 00 ft
Above System Datum: Mean Sea Level
Declination: 7 57 deg
Mag Dip Angle: 60 48 deg
+E/-W Direction
ft deg

0 00	0 00	0 00	185 23
------	------	------	--------

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	185.23	0 00	0.00	0 00	0.00	0.00	0 00	0 00	
6687 04	0.00	185.23	6687 04	0 00	0 00	0 00	0.00	0 00	0 00	
7588 82	90.18	185.23	7260 00	-572.35	-52.36	10.00	10.00	0 00	185.23	
15625.75	90.18	185.23	7235 00	-8575.82	-784.50	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
6600.00	0.00	185.23	6600.00	0 00	0 00	0 00	0.00	610425.90	636638.26	KOP
6687 04	0.00	185.23	6687 04	0 00	0.00	0.00	0.00	610425 90	636638 26	
6700.00	1.30	185.23	6700 00	-0.15	-0.01	0.15	10.00	610425.75	636638.25	
6750.00	6.30	185.23	6749.87	-3.44	-0.31	3.46	10.00	610422.46	636637.95	
6800.00	11.30	185.23	6799.27	-11.05	-1.01	11.10	10.00	610414.85	636637.25	
6850.00	16.30	185.23	6847.81	-22.92	-2.10	23.02	10.00	610402.98	636636.16	
6900.00	21.30	185.23	6895.13	-38.96	-3.56	39.12	10.00	610386.94	636634.70	
6950.00	26.30	185.23	6940.87	-59.04	-5.40	59.29	10.00	610366.86	636632.86	
7000.00	31.30	185.23	6984.67	-83.02	-7.59	83.37	10.00	610342.88	636630.67	
7050.00	36.30	185.23	7026.21	-110.71	-10.13	111.17	10.00	610315.19	636628.13	
7100.00	41.30	185.23	7065.16	-141.90	-12.98	142.49	10.00	610284.00	636625.28	
7150.00	46.30	185.23	7101.24	-176.35	-16.13	177.08	10.00	610249.55	636622.13	
7200.00	51.30	185.23	7134.17	-213.80	-19.56	214.69	10.00	610212.10	636618.70	
7250.00	56.30	185.23	7163.69	-253.96	-23.23	255.02	10.00	610171.94	636615.03	
7300.00	61.30	185.23	7189.59	-296.54	-27.13	297.77	10.00	610129.36	636611.13	
7350.00	66.30	185.23	7211.66	-341.20	-31.21	342.62	10.00	610084.70	636607.05	
7400.00	71.30	185.23	7229.74	-387.60	-35.46	389.22	10.00	610038.30	636602.80	



Weatherford International Ltd.

WFT Plan Report - X & Y's

**Weatherford**

Company: Devon Energy	Date: 7/18/2012	Time: 12:52:01	Page: 2
Field: Eddy Co , NM (NAD 83)	Co-ordinate(NE) Reference: Well. Peridot 13 State #7H, Grnd North		
Site: Peridot 13 State #7H	Vertical (TVD) Reference: SITE 3412.0		
Well: Peridot 13 State #7H	Section (VS) Reference: Well (0 00N,0.00E,185 23Azi)		
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
7450.00	76.30	185.23	7243.69	-435.40	-39.83	437.22	10.00	609990.50	636598.43	
7500.00	81.30	185.23	7253.40	-484.23	-44.30	486.25	10.00	609941.67	636593.96	
7550.00	86.30	185.23	7258.80	-533.71	-48.82	535.94	10.00	609892.19	636589.44	
7588.82	90.18	185.23	7260.00	-572.35	-52.36	574.74	10.00	609853.55	636585.90	LP
7600.00	90.18	185.23	7259.96	-583.48	-53.38	585.92	0.00	609842.42	636584.88	
7700.00	90.18	185.23	7259.65	-683.06	-62.49	685.92	0.00	609742.84	636575.77	
7800.00	90.18	185.23	7259.34	-782.65	-71.60	785.92	0.00	609643.25	636566.66	
7900.00	90.18	185.23	7259.03	-882.23	-80.70	885.92	0.00	609543.67	636557.56	
8000.00	90.18	185.23	7258.72	-981.82	-89.81	985.91	0.00	609444.08	636548.45	
8100.00	90.18	185.23	7258.41	-1081.40	-98.92	1085.91	0.00	609344.50	636539.34	
8200.00	90.18	185.23	7258.10	-1180.98	-108.03	1185.91	0.00	609244.92	636530.23	
8300.00	90.18	185.23	7257.78	-1280.57	-117.14	1285.91	0.00	609145.33	636521.12	
8400.00	90.18	185.23	7257.47	-1380.15	-126.25	1385.91	0.00	609045.75	636512.01	
8500.00	90.18	185.23	7257.16	-1479.73	-135.36	1485.91	0.00	608946.17	636502.90	
8600.00	90.18	185.23	7256.85	-1579.32	-144.47	1585.91	0.00	608846.58	636493.79	
8700.00	90.18	185.23	7256.54	-1678.90	-153.58	1685.91	0.00	608747.00	636484.68	
8800.00	90.18	185.23	7256.23	-1778.48	-162.69	1785.91	0.00	608647.42	636475.57	
8900.00	90.18	185.23	7255.92	-1878.07	-171.80	1885.91	0.00	608547.83	636466.46	
9000.00	90.18	185.23	7255.61	-1977.65	-180.91	1985.91	0.00	608448.25	636457.35	
9100.00	90.18	185.23	7255.30	-2077.24	-190.02	2085.91	0.00	608348.66	636448.24	
9200.00	90.18	185.23	7254.99	-2176.82	-199.13	2185.91	0.00	608249.08	636439.13	
9300.00	90.18	185.23	7254.67	-2276.40	-208.24	2285.91	0.00	608149.50	636430.02	
9400.00	90.18	185.23	7254.36	-2375.99	-217.35	2385.91	0.00	608049.91	636420.91	
9500.00	90.18	185.23	7254.05	-2475.57	-226.46	2485.91	0.00	607950.33	636411.80	
9600.00	90.18	185.23	7253.74	-2575.15	-235.57	2585.91	0.00	607850.75	636402.69	
9700.00	90.18	185.23	7253.43	-2674.74	-244.68	2685.91	0.00	607751.16	636393.58	
9800.00	90.18	185.23	7253.12	-2774.32	-253.79	2785.91	0.00	607651.58	636384.47	
9900.00	90.18	185.23	7252.81	-2873.91	-262.90	2885.91	0.00	607551.99	636375.36	
10000.00	90.18	185.23	7252.50	-2973.49	-272.01	2985.91	0.00	607452.41	636366.25	
10100.00	90.18	185.23	7252.19	-3073.07	-281.12	3085.90	0.00	607352.83	636357.14	
10200.00	90.18	185.23	7251.87	-3172.66	-290.23	3185.90	0.00	607253.24	636348.03	
10300.00	90.18	185.23	7251.56	-3272.24	-299.34	3285.90	0.00	607153.66	636338.92	
10400.00	90.18	185.23	7251.25	-3371.82	-308.45	3385.90	0.00	607054.08	636329.81	
10500.00	90.18	185.23	7250.94	-3471.41	-317.56	3485.90	0.00	606954.49	636320.70	
10600.00	90.18	185.23	7250.63	-3570.99	-326.67	3585.90	0.00	606854.91	636311.59	
10700.00	90.18	185.23	7250.32	-3670.58	-335.78	3685.90	0.00	606755.32	636302.48	
10800.00	90.18	185.23	7250.01	-3770.16	-344.89	3785.90	0.00	606655.74	636293.37	
10900.00	90.18	185.23	7249.70	-3869.74	-354.00	3885.90	0.00	606556.16	636284.26	
11000.00	90.18	185.23	7249.39	-3969.33	-363.11	3985.90	0.00	606456.57	636275.15	
11100.00	90.18	185.23	7249.08	-4068.91	-372.22	4085.90	0.00	606356.99	636266.04	
11200.00	90.18	185.23	7248.76	-4168.49	-381.33	4185.90	0.00	606257.41	636256.93	
11300.00	90.18	185.23	7248.45	-4268.08	-390.44	4285.90	0.00	606157.82	636247.82	
11400.00	90.18	185.23	7248.14	-4367.66	-399.55	4385.90	0.00	606058.24	636238.71	
11500.00	90.18	185.23	7247.83	-4467.25	-408.66	4485.90	0.00	605958.65	636229.60	
11600.00	90.18	185.23	7247.52	-4566.83	-417.76	4585.90	0.00	605859.07	636220.50	
11700.00	90.18	185.23	7247.21	-4666.41	-426.87	4685.90	0.00	605759.49	636211.39	
11800.00	90.18	185.23	7246.90	-4766.00	-435.98	4785.90	0.00	605659.90	636202.28	
11900.00	90.18	185.23	7246.59	-4865.58	-445.09	4885.90	0.00	605560.32	636193.17	
12000.00	90.18	185.23	7246.28	-4965.16	-454.20	4985.90	0.00	605460.74	636184.06	
12100.00	90.18	185.23	7245.97	-5064.75	-463.31	5085.89	0.00	605361.15	636174.95	
12200.00	90.18	185.23	7245.65	-5164.33	-472.42	5185.89	0.00	605261.57	636165.84	
12300.00	90.18	185.23	7245.34	-5263.91	-481.53	5285.89	0.00	605161.99	636156.73	
12400.00	90.18	185.23	7245.03	-5363.50	-490.64	5385.89	0.00	605062.40	636147.62	



Weatherford International Ltd.

WFT Plan Report - X & Y's

**Weatherford**

Company: Devon Energy	Date: 7/18/2012	Time: 12.52 01	Page: 3
Field: Eddy Co , NM (NAD 83)	Co-ordinate(NE) Reference: Well Peridot 13 State #7H, Grid North		
Site: Peridot 13 State #7H	Vertical (TVD) Reference: SITE 3412 0		
Well: Peridot 13 State #7H	Section (VS) Reference: Well (0.00N,0 00E,185 23Az)		
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
12500 00	90.18	185 23	7244 72	-5463 08	-499 75	5485.89	0 00	604962.82	636138.51	
12600 00	90.18	185 23	7244 41	-5562 67	-508 86	5585 89	0 00	604863.23	636129.40	
12700 00	90.18	185 23	7244 10	-5662 25	-517 97	5685 89	0 00	604763.65	636120.29	
12800 00	90 18	185 23	7243.79	-5761 83	-527 08	5785 89	0 00	604664.07	636111.18	
12900 00	90.18	185 23	7243.48	-5861.42	-536.19	5885 89	0 00	604564 48	636102.07	
13000 00	90 18	185.23	7243.17	-5961 00	-545.30	5985 89	0 00	604464 90	636092 96	
13100 00	90.18	185.23	7242 86	-6060.58	-554.41	6085.89	0 00	604365 32	636083 85	
13200 00	90.18	185 23	7242 54	-6160.17	-563.52	6185.89	0.00	604265 73	636074 74	
13300 00	90.18	185.23	7242 23	-6259 75	-572.63	6285.89	0.00	604166 15	636065 63	
13400 00	90 18	185 23	7241.92	-6359.34	-581.74	6385.89	0.00	604066 56	636056 52	
13500.00	90.18	185 23	7241.61	-6458.92	-590.85	6485.89	0.00	603966 98	636047 41	
13600 00	90.18	185 23	7241.30	-6558.50	-599 96	6585 89	0 00	603867 40	636038.30	
13700 00	90 18	185 23	7240 99	-6658 09	-609 07	6685 89	0.00	603767 81	636029.19	
13800 00	90 18	185 23	7240 68	-6757 67	-618 18	6785.89	0 00	603668 23	636020 08	
13900 00	90 18	185 23	7240 37	-6857 25	-627 29	6885 89	0 00	603568.65	636010 97	
14000 00	90 18	185.23	7240 06	-6956 84	-636 40	6985 89	0 00	603469 06	636001.86	
14100 00	90 18	185.23	7239 75	-7056 42	-645 51	7085.89	0 00	603369.48	635992.75	
14200 00	90 18	185.23	7239 43	-7156 01	-654.62	7185.88	0.00	603269 89	635983 64	
14300 00	90 18	185 23	7239 12	-7255 59	-663.73	7285 88	0 00	603170 31	635974 53	
14400 00	90 18	185 23	7238 81	-7355.17	-672.84	7385 88	0 00	603070 73	635965 42	
14500 00	90.18	185 23	7238.50	-7454 76	-681.95	7485 88	0 00	602971 14	635956 31	
14600 00	90.18	185 23	7238.19	-7554.34	-691 06	7585 88	0.00	602871.56	635947 20	
14700 00	90.18	185 23	7237.88	-7653.92	-700.17	7685.88	0.00	602771 98	635938.09	
14800.00	90.18	185.23	7237.57	-7753 51	-709 28	7785 88	0.00	602672 39	635928 98	
14900.00	90.18	185.23	7237.26	-7853.09	-718.39	7885 88	0 00	602572.81	635919.87	
15000 00	90 18	185.23	7236.95	-7952 68	-727 50	7985 88	0.00	602473 22	635910 76	
15100 00	90 18	185 23	7236.64	-8052 26	-736.61	8085.88	0 00	602373.64	635901.65	
15200 00	90.18	185 23	7236.32	-8151.84	-745.72	8185.88	0 00	602274 06	635892.54	
15300 00	90 18	185 23	7236 01	-8251 43	-754 83	8285 88	0 00	602174.47	635883 43	
15400.00	90.18	185 23	7235 70	-8351 01	-763 93	8385 88	0 00	602074 89	635874 33	
15500.00	90 18	185 23	7235 39	-8450 59	-773 04	8485 88	0 00	601975 31	635865 22	
15600.00	90 18	185 23	7235 08	-8550 18	-782 15	8585 88	0 00	601875 72	635856 11	
15625 75	90 18	185 23	7235.00	-8575 82	-784 50	8611.63	0 00	601850.08	635853 76	PBHL

Targets

Name	Description Dip.	TVD 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 (8037x50)			7235 00	-8575.82	-784 50	601850 08	635853.76	32	39	14 954 N	104	1	34.445 W

Casing Points

MD	TVD	Diameter	Hole Size	Name



Weatherford International Ltd.

WFT Plan Report - X & Y's



Company: Devon Energy
Field: Eddy Co., NM (NAD 83)
Site: Peridot 13 State #7H
Well: Peridot 13 State #7H
Wellpath: 1

Date: 7/18/2012 Time: 12.52 01 Page: 4
Co-ordinate(NE) Reference: Well Peridot 13 State #7H, Grid North
Vertical (TVD) Reference: SITE 3412 0
Section (VS) Reference: Well (0 00N,0.00E,185 23Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Annotation

MD ft	TVD ft	
6687.04	6687.04	KOP
7588.82	7260.00	LP
15625.74	7235.00	PBHL

Formations

MD	TVD	Formations	Lithology	Dip Angle	Dip Direction



Weatherford International Ltd.

Anticollision Report



Company: Devon Energy Date: 7/18/2012 Time: 13 19 44 Page: 1
Field: Eddy Co., NM (NAD 83)
Reference Site: Peridot 13 State #7H Co-ordinate(NE) Reference: Well Peridot 13 State #7H, Grid North
Reference Well: Peridot 13 State #7H Vertical (TVD) Reference: SITE 3412.0
Reference Wellpath: 1 Db: Sybase

NO GLOBAL SCAN: Using user defined selection & scan criteria
Interpolation Method: MD Interval: 100.00 ft
Depth Range: 0.00 to 12364.20 ft
Maximum Radius: 10000.00 ft
Reference: Plan. Plan #1
Error Model: ISCWSA Ellipse
Scan Method: Closest Approach 3D
Error Surface: Ellipse

Plan: Plan #1 Date Composed: 7/18/2012
Principal: Yes Version: 1
Tied-to: From Surface

Summary

Site	Offset Wellpath	Reference MD	Offset MD	Ctr-Ctr Distance	Edge Distance	Separation Factor	Warning
Peridot 13 State #3H	Peridot 13 State #3H 1 V0 Plan: Plan #1 V1	6700.00	6705.00	182.24	152.38	6.10	

Site: Peridot 13 State #3H
Well: Peridot 13 State #3H
Wellpath: 1 V0 Plan: Plan #1 V1

Inter-Site Error: 0.00 ft

Reference MD	TVD	Offset MD	TVD	Semi-Major Axis Ref	Offset	TFO-HS	North	East	Ctr-Ctr Distance	Edge Distance	Separation Factor	Warning
0.00	0.00	5.00	5.00	0.00	0.00	344.25	175.27	-49.42	182.10	182.10	40009.59	
100.00	100.00	105.00	105.00	0.09	0.10	344.25	175.27	-49.42	182.10	181.91	942.09	
200.00	200.00	205.00	205.00	0.32	0.33	344.25	175.27	-49.42	182.10	181.46	283.28	
300.00	300.00	305.00	305.00	0.54	0.55	344.25	175.27	-49.42	182.10	181.01	166.71	
400.00	400.00	405.00	405.00	0.77	0.78	344.25	175.27	-49.42	182.10	180.56	118.10	
500.00	500.00	505.00	505.00	0.99	1.00	344.25	175.27	-49.42	182.10	180.11	91.44	
600.00	600.00	605.00	605.00	1.21	1.23	344.25	175.27	-49.42	182.10	179.66	74.60	
700.00	700.00	705.00	705.00	1.44	1.45	344.25	175.27	-49.42	182.10	179.21	63.00	
800.00	800.00	805.00	805.00	1.66	1.68	344.25	175.27	-49.42	182.10	178.76	54.52	
900.00	900.00	905.00	905.00	1.89	1.90	344.25	175.27	-49.42	182.10	178.31	48.05	
1000.00	1000.00	1005.00	1005.00	2.11	2.13	344.25	175.27	-49.42	182.10	177.87	42.96	
1100.00	1100.00	1105.00	1105.00	2.34	2.35	344.25	175.27	-49.42	182.10	177.42	38.84	
1200.00	1200.00	1205.00	1205.00	2.56	2.57	344.25	175.27	-49.42	182.10	176.97	35.44	
1300.00	1300.00	1305.00	1305.00	2.79	2.80	344.25	175.27	-49.42	182.10	176.52	32.59	
1400.00	1400.00	1405.00	1405.00	3.01	3.02	344.25	175.27	-49.42	182.10	176.07	30.16	
1500.00	1500.00	1505.00	1505.00	3.24	3.25	344.25	175.27	-49.42	182.10	175.62	28.07	
1600.00	1600.00	1605.00	1605.00	3.46	3.47	344.25	175.27	-49.42	182.10	175.17	26.25	
1700.00	1700.00	1705.00	1705.00	3.69	3.70	344.25	175.27	-49.42	182.10	174.72	24.66	
1800.00	1800.00	1805.00	1805.00	3.91	3.92	344.25	175.27	-49.42	182.10	174.27	23.24	
1900.00	1900.00	1905.00	1905.00	4.14	4.15	344.25	175.27	-49.42	182.10	173.82	21.98	
2000.00	2000.00	2005.00	2005.00	4.36	4.37	344.25	175.27	-49.42	182.10	173.37	20.85	
2100.00	2100.00	2105.00	2105.00	4.59	4.60	344.25	175.27	-49.42	182.10	172.92	19.83	
2200.00	2200.00	2205.00	2205.00	4.81	4.82	344.25	175.27	-49.42	182.10	172.47	18.90	
2300.00	2300.00	2305.00	2305.00	5.04	5.05	344.25	175.27	-49.42	182.10	172.02	18.06	
2400.00	2400.00	2405.00	2405.00	5.26	5.27	344.25	175.27	-49.42	182.10	171.57	17.29	
2500.00	2500.00	2505.00	2505.00	5.49	5.50	344.25	175.27	-49.42	182.10	171.12	16.58	
2600.00	2600.00	2605.00	2605.00	5.71	5.72	344.25	175.27	-49.42	182.10	170.67	15.93	
2700.00	2700.00	2705.00	2705.00	5.93	5.95	344.25	175.27	-49.42	182.10	170.22	15.33	
2800.00	2800.00	2805.00	2805.00	6.16	6.17	344.25	175.27	-49.42	182.10	169.77	14.77	
2900.00	2900.00	2905.00	2905.00	6.38	6.40	344.25	175.27	-49.42	182.10	169.32	14.25	
3000.00	3000.00	3005.00	3005.00	6.61	6.62	344.25	175.27	-49.42	182.10	168.87	13.76	
3100.00	3100.00	3105.00	3105.00	6.83	6.85	344.25	175.27	-49.42	182.10	168.42	13.31	
3200.00	3200.00	3205.00	3205.00	7.06	7.07	344.25	175.27	-49.42	182.10	167.98	12.89	
3300.00	3300.00	3305.00	3305.00	7.28	7.29	344.25	175.27	-49.42	182.10	167.53	12.49	
3400.00	3400.00	3405.00	3405.00	7.51	7.52	344.25	175.27	-49.42	182.10	167.08	12.12	
3500.00	3500.00	3505.00	3505.00	7.73	7.74	344.25	175.27	-49.42	182.10	166.63	11.77	



Weatherford International Ltd.

Anticollision Report

**Weatherford**

Company: Devon Energy Date: 7/18/2012 Time: 13 19:44 Page: 2
Field: Eddy Co., NM (NAD 83)
Reference Site: Peridot 13 State #7H Co-ordinate(NE) Reference: Well Peridot 13 State #7H, Grid North
Reference Well: Peridot 13 State #7H Vertical (TVD) Reference: SITE 3412.0
Reference Wellpath: 1 Db: Sybase

Site: Peridot 13 State #3H
Well: Peridot 13 State #3H
Wellpath: 1 V0 Plan Plan #1 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 Distance	Edge Distance	Separation Factor	Warning
ft	ft	ft	ft	ft	ft	deg	ft	ft	ft	ft		
3600 00	3600.00	3605 00	3605.00	7 96	7 97	344 25	175 27	-49.42	182.10	166 18	11 43	
3700 00	3700.00	3705 00	3705.00	8 18	8 19	344.25	175 27	-49.42	182 10	165 73	11.12	
3800 00	3800.00	3805.00	3805.00	8 41	8 42	344 25	175 27	-49 42	182 10	165 28	10.82	
3900.00	3900.00	3905.00	3905.00	8.63	8 64	344.25	175 27	-49.42	182.10	164.83	10.54	
4000 00	4000.00	4005.00	4005 00	8 86	8 87	344 25	175 27	-49.42	182 10	164.38	10 27	
4100 00	4100 00	4105.00	4105 00	9.08	9.09	344 25	175.27	-49.42	182.10	163 93	10 02	
4200 00	4200 00	4205.00	4205 00	9.31	9.32	344 25	175.27	-49 42	182.10	163 48	9 78	
4300.00	4300 00	4305 00	4305 00	9.53	9 54	344 25	175.27	-49 42	182.10	163 03	9 55	
4400.00	4400 00	4405 00	4405.00	9 76	9 77	344 25	175 27	-49 42	182 10	162 58	9 33	
4500.00	4500 00	4505 00	4505 00	9 98	9 99	344 25	175 27	-49 42	182 10	162 13	9 12	
4600 00	4600 00	4605 00	4605 00	10 21	10 22	344 25	175 27	-49 42	182 10	161 68	8 92	
4700 00	4700 00	4705 00	4705 00	10.43	10 44	344 25	175 27	-49.42	182.10	161 23	8 72	
4800.00	4800.00	4805.00	4805.00	10.66	10 67	344.25	175 27	-49 42	182 10	160 78	8 54	
4900 00	4900.00	4905.00	4905.00	10.88	10.89	344.25	175.27	-49 42	182 10	160 33	8 36	
5000.00	5000 00	5005 00	5005 00	11 10	11.12	344.25	175.27	-49.42	182 10	159.88	8 20	
5100 00	5100.00	5105 00	5105 00	11.33	11 34	344 25	175.27	-49.42	182 10	159.43	8 03	
5200 00	5200 00	5205.00	5205 00	11 55	11 57	344 25	175 27	-49.42	182 10	158.98	7 88	
5300 00	5300 00	5305 00	5305 00	11 78	11 79	344 25	175 27	-49.42	182.10	158.54	7 73	
5400 00	5400 00	5405 00	5405 00	12 00	12 01	344 25	175.27	-49.42	182.10	158 09	7 58	
5500 00	5500 00	5505 00	5505 00	12 23	12.24	344 25	175 27	-49 42	182.10	157 64	7 44	
5600 00	5600 00	5605.00	5605 00	12 45	12.46	344 25	175 27	-49 42	182 10	157 19	7 31	
5700.00	5700.00	5705 00	5705.00	12.68	12 69	344.25	175 27	-49 42	182 10	156 74	7 18	
5800 00	5800 00	5805 00	5805 00	12 90	12 91	344 25	175 27	-49 42	182 10	156 29	7 05	
5900 00	5900 00	5905 00	5905 00	13.13	13.14	344.25	175.27	-49 42	182 10	155 84	6 93	
6000 00	6000 00	6005 00	6005 00	13 35	13 36	344 25	175 27	-49 42	182 10	155 39	6 82	
6100 00	6100.00	6105.00	6105 00	13.58	13 59	344 25	175 27	-49 42	182.10	154.94	6 70	
6200 00	6200 00	6205 00	6205 00	13 80	13.81	344 25	175.27	-49 42	182 10	154 49	6 59	
6300.00	6300.00	6305.00	6305 00	14.03	14 04	344 25	175 27	-49 42	182 10	154 04	6 49	
6400 00	6400 00	6405 00	6405 00	14.25	14 26	344 25	175 27	-49 42	182 10	153 59	6 39	
6500 00	6500.00	6505 00	6505 00	14.48	14 49	344 25	175 27	-49 42	182 10	153 14	6 29	
6600 00	6600.00	6605.00	6605 00	14.70	14 71	344 25	175 27	-49 42	182 10	152 69	6 19	
6700 00	6700 00	6705.00	6705.00	14.93	14 94	159.04	175 27	-49 42	182 24	152 38	6 10	
6800.00	6799 27	6804 27	6804 27	15 16	15 16	159.85	175 27	-49 42	192 51	162 40	6 39	
6900 00	6895 13	6900.13	6900 13	15 40	15.38	161.51	175 27	-49 42	219 08	189 06	7 30	
7000 00	6984 67	6989.67	6989 67	15.68	15 58	163 25	175 27	-49.42	261 66	232 04	8 84	
7100 00	7065.16	7070.16	7070 16	16.03	15 76	164 49	175 27	-49.42	319.25	290.33	11 04	
7200 00	7134 17	7139.17	7139 17	16.48	15 91	164.84	175 27	-49 42	390 21	362 16	13.91	
7300.00	7189 59	7194 59	7194.59	17.05	16 04	163 82	175 27	-49.42	472 33	445.12	17 36	
7400.00	7229 74	7234.74	7234 74	17.77	16 13	160.03	175 27	-49.42	563 05	536 18	20 96	
7500 00	7253 40	7258 40	7258 40	18.63	16 18	146 72	175 27	-49.42	659 52	630.81	22 97	
7600 00	7259 96	7264 96	7264 96	19.60	16 20	87 93	175 27	-49.42	758 76	722.97	21 20	
7700 00	7259.65	7264 65	7264 65	20 68	16 19	87.66	175 27	-49.42	858 43	821.57	23 29	
7800 00	7259.34	8894 94	8185 23	21 86	25.53	176 39	-777.23	-129 43	922 72	901.91	44.34	
7900 00	7259 03	8994 93	8185 29	23 11	26 82	176 44	-876 87	-137.80	923 05	901.42	42 67	
8000 00	7258 72	9094 93	8185 35	24 44	28.18	176.49	-976.52	-146 17	923 37	900.85	41.00	
8100 00	7258.41	9194 93	8185 42	25 83	29.58	176.53	-1076 16	-154 54	923 70	900 23	39 35	
8200 00	7258.10	9294 92	8185.48	27 26	31 03	176.58	-1175 81	-162 91	924 03	899.55	37 75	
8300 00	7257 78	9394.92	8185.54	28.74	32.51	176 63	-1275 46	-171.28	924 35	898 83	36 22	
8400 00	7257 47	9494.91	8185.60	30.26	34 03	176 67	-1375 10	-179.65	924 68	898 07	34.75	
8500 00	7257.16	9594.91	8185.66	31 80	35 57	176.72	-1474 75	-188 02	925 01	897.28	33 35	
8600.00	7256 85	9694.91	8185.72	33 38	37 14	176.77	-1574 39	-196 39	925 34	896 45	32 03	



Weatherford International Ltd.

Anticollision Report



Weatherford

Company: Devon Energy Date: 7/18/2012 Time: 13:19:44 Page: 3
Field: Eddy Co., NM (NAD 83)
Reference Site: Peridot 13 State #7H Co-ordinate(NE) Reference: Well: Peridot 13 State #7H, Grid North
Reference Well: Peridot 13 State #7H Vertical (TVD) Reference: SITE 3412.0
Reference Wellpath: 1 Db: Sybase

Site: Peridot 13 State #3H
Well: Peridot 13 State #3H
Wellpath: 1 V0 Plan. Plan #1 V1

Inter-Site Error: 0.00 ft

Reference		Offset		Semi-Major Axis		Offset Location			Ctr-Ctr Distance ft	Edge Distance ft	Separation Factor	Warning
MD ft	TVD ft	MD ft	TVD ft	Ref ft	Offset ft	TFO-HS deg	North ft	East ft				
8700.00	7256.54	9794.90	8185.78	34.97	38.72	176.82	-1674.04	-204.76	925.67	895.60	30.78	
8800.00	7256.23	9894.90	8185.84	36.59	40.33	176.86	-1773.68	-213.13	926.00	894.72	29.61	
8900.00	7255.92	9994.90	8185.90	38.22	41.96	176.91	-1873.33	-221.50	926.33	893.83	28.50	
9000.00	7255.61	10094.89	8185.96	39.87	43.60	176.96	-1972.97	-229.87	926.66	892.91	27.46	
9100.00	7255.30	10194.89	8186.02	41.53	45.25	177.00	-2072.62	-238.24	927.00	891.98	26.48	
9200.00	7254.99	10294.89	8186.09	43.21	46.91	177.05	-2172.27	-246.61	927.33	891.04	25.55	
9300.00	7254.67	10394.88	8186.15	44.89	48.59	177.10	-2271.91	-254.98	927.66	890.08	24.68	
9400.00	7254.36	10494.88	8186.21	46.59	50.27	177.15	-2371.56	-263.35	928.00	889.11	23.86	
9500.00	7254.05	10594.88	8186.27	48.29	51.96	177.19	-2471.20	-271.72	928.33	888.13	23.09	
9600.00	7253.74	10694.87	8186.33	50.00	53.66	177.24	-2570.85	-280.09	928.67	887.14	22.36	
9700.00	7253.43	10794.87	8186.39	51.72	55.37	177.29	-2670.49	-288.46	929.00	886.14	21.68	
9800.00	7253.12	10894.87	8186.45	53.44	57.09	177.33	-2770.14	-296.83	929.34	885.14	21.03	
9900.00	7252.81	10994.86	8186.51	55.17	58.81	177.38	-2869.78	-305.20	929.68	884.13	20.41	
10000.00	7252.50	11094.86	8186.57	56.91	60.53	177.43	-2969.43	-313.57	930.01	883.11	19.83	
10100.00	7252.19	11194.86	8186.63	58.65	62.26	177.47	-3069.08	-321.94	930.35	882.09	19.28	
10200.00	7251.87	11294.85	8186.69	60.39	64.00	177.52	-3168.72	-330.31	930.69	881.06	18.75	
10300.00	7251.56	11394.85	8186.76	62.14	65.74	177.57	-3268.37	-338.68	931.03	880.03	18.25	
10400.00	7251.25	11494.85	8186.82	63.89	67.48	177.61	-3368.01	-347.05	931.37	878.99	17.78	
10500.00	7250.94	11594.84	8186.88	65.64	69.23	177.66	-3467.66	-355.42	931.71	877.95	17.33	
10600.00	7250.63	11694.84	8186.94	67.40	70.98	177.71	-3567.30	-363.79	932.05	876.91	16.90	
10700.00	7250.32	11794.84	8187.00	69.16	72.73	177.75	-3666.95	-372.16	932.40	875.86	16.49	
10800.00	7250.01	11894.83	8187.06	70.92	74.49	177.80	-3766.60	-380.53	932.74	874.81	16.10	
10900.00	7249.70	11994.83	8187.12	72.69	76.24	177.85	-3866.24	-388.90	933.08	873.76	15.73	
11000.00	7249.39	12094.83	8187.18	74.46	78.00	177.89	-3965.89	-397.27	933.43	872.70	15.37	
11100.00	7249.08	12194.82	8187.24	76.22	79.77	177.94	-4065.53	-405.64	933.77	871.65	15.03	
11200.00	7248.76	12294.82	8187.30	78.00	81.53	177.98	-4165.18	-414.01	934.12	870.59	14.70	
11300.00	7248.45	12394.81	8187.36	79.77	83.30	178.03	-4264.82	-422.38	934.46	869.53	14.39	
11400.00	7248.14	12494.81	8187.43	81.54	85.07	178.08	-4364.47	-430.75	934.81	868.47	14.09	
11500.00	7247.83	12594.81	8187.49	83.32	86.84	178.12	-4464.11	-439.12	935.16	867.41	13.80	
11600.00	7247.52	12694.80	8187.55	85.10	88.61	178.17	-4563.76	-447.49	935.50	866.34	13.53	
11700.00	7247.21	12794.80	8187.61	86.88	90.39	178.22	-4663.41	-455.86	935.85	865.28	13.26	
11800.00	7246.90	12894.80	8187.67	88.66	92.16	178.26	-4763.05	-464.23	936.20	864.21	13.00	
11900.00	7246.59	12994.79	8187.73	90.44	93.94	178.31	-4862.70	-472.60	936.55	863.14	12.76	
12000.00	7246.28	13094.79	8187.79	92.22	95.72	178.35	-4962.34	-480.97	936.90	862.07	12.52	
12100.00	7245.97	13194.79	8187.85	94.01	97.50	178.40	-5061.99	-489.34	937.25	861.00	12.29	
12200.00	7245.65	13294.78	8187.91	95.79	99.28	178.45	-5161.63	-497.71	937.60	859.93	12.07	
12300.00	7245.34	13394.78	8187.97	97.58	101.06	178.49	-5261.28	-506.08	937.96	858.86	11.86	

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

GeoDec v5.03

Report Date: July 18, 2012
Job Number: _____
Customer: Devon Energy
Well Name: Peridot 13 State #7H
API Number: _____
Rig Name: _____
Location: Eddy Co., NM
Block: _____
Engineer: PBR

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 610425.900 USFT	Latitude 32.6777232 DEG
East/West 636638.260 USFT	Longitude -104.0236004 DEG
Grid Convergence: .17°	
Total Correction: +7.40°	

Geodetic Location WGS84	Elevation =	0.0 Meters
Latitude =	32.67772° N	32° 40 min 39.804 sec
Longitude =	104.02360° W	104° 1 min 24.962 sec

Magnetic Declination =	7.57°	[True North Offset]
Local Gravity =	.9988 g	Checksum = 6630
Local Field Strength =	48653 nT	Magnetic Vector X = 23765 nT
Magnetic Dip =	60.48°	Magnetic Vector Y = 3160 nT
Magnetic Model =	IGRF-2010g11	Magnetic Vector Z = 42336 nT
Spud Date =	Jul 15, 2013	Magnetic Vector H = 23975 nT

Signed: _____

Date: _____