

District I

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**RECEIVED**

JUL 19 2012

NM OGD ARTESIA

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-40505	Pool Code 60080	Well Name Scanlon Draw
Property Code 39356	Property Name PERIDOT "13" STATE	County EDDY
OGRID No. 6137	Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.	Elevation 3390.3

" Surface Location

U.I. 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	1020	EAST	EDY

" Bottom Hole Location If Different From Surface

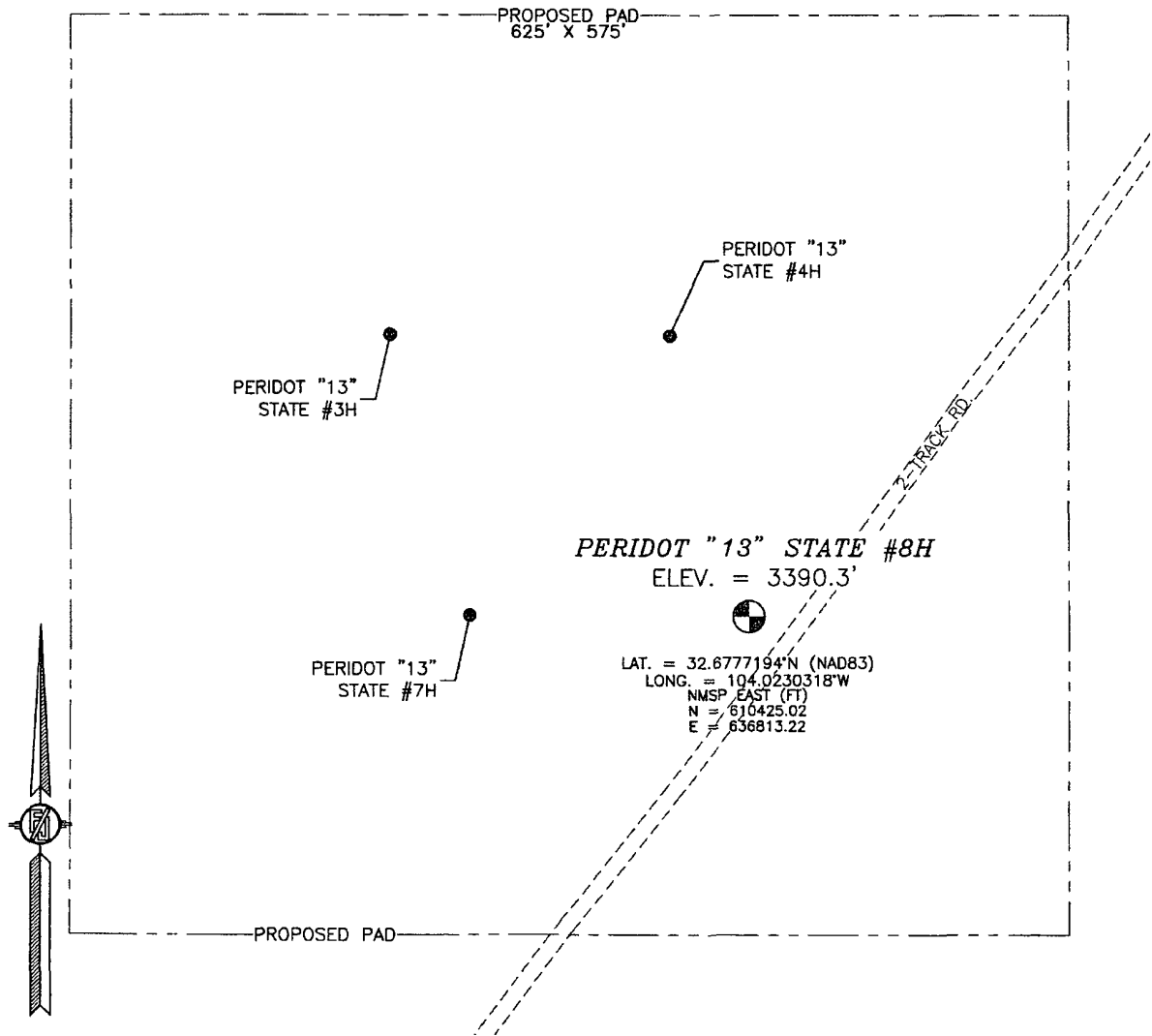
U.I. or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	13	19 S	29 E		330	SOUTH	990	EAST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No
280			

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.

	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 an undivided 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. Signature: <i>[Signature]</i> Date: 7/18/2012 Printed Name: David H. Cook Regulatory Specialist "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. Date of Survey: MAY 5, 2012 Signature and Seal of Professional Surveyor: <i>[Signature]</i> Certificate Number: FILINOV, P. JAR. MULLIO, PLS 1279 Survey No: 1014
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SECTION 12, TOWNSHIP 19 SOUTH, RANGE 29 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO



PERIDOT "13" STATE #8H
ELEV. = 3390.3'

LAT. = 32.6777194°N (NAD83)
LONG. = 104.0230318°W
NWSP EAST (FT)
N = 610425.02
E = 636813.22

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.

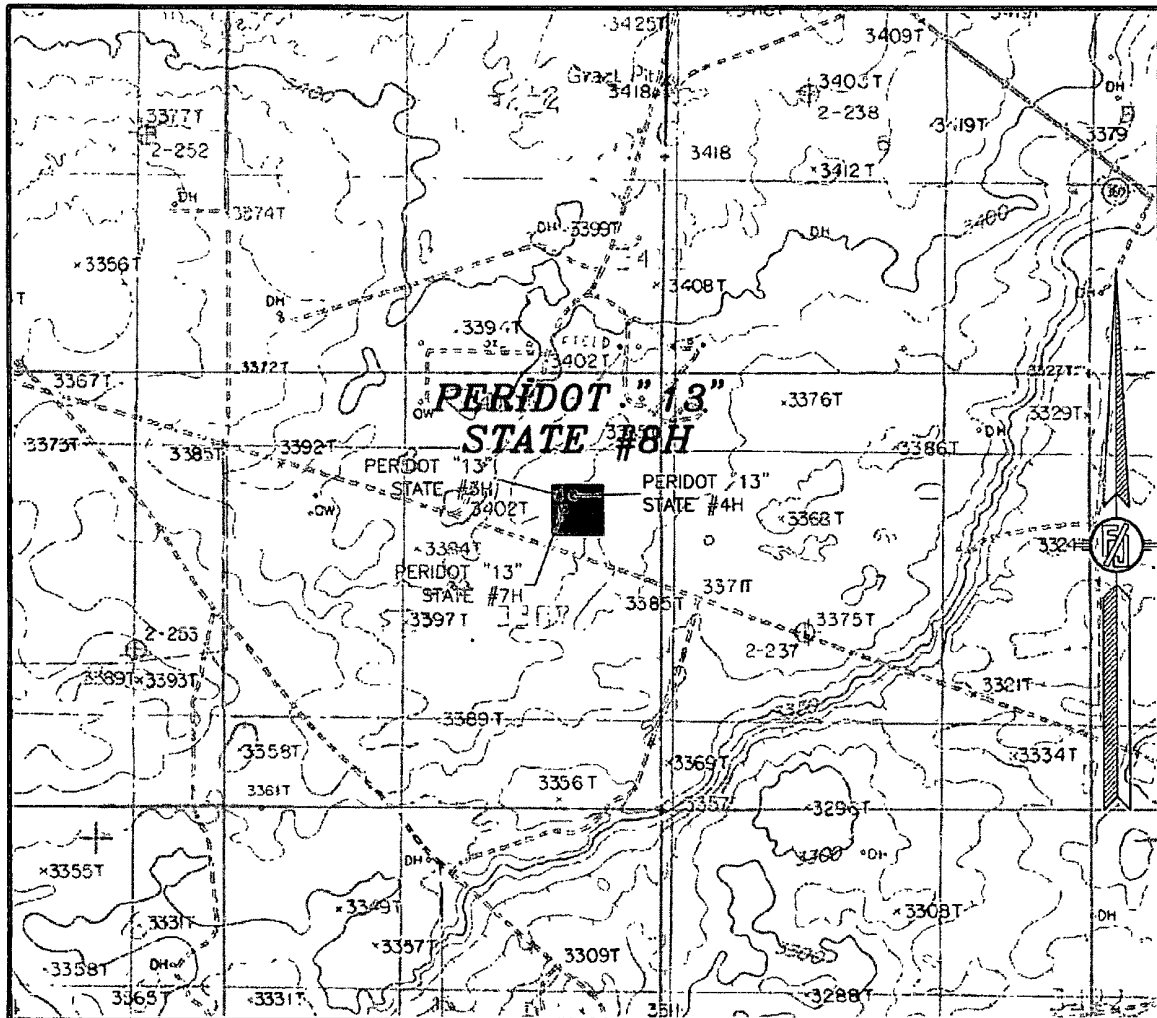
DEVON ENERGY PRODUCTION COMPANY, L.P.
PERIDOT "13" STATE #8H
LOCATED 1650 FT. FROM THE NORTH LINE
AND 1020 FT. FROM THE EAST LINE OF
SECTION 12, TOWNSHIP 19 SOUTH,
RANGE 29 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

MAY 5, 2012

SURVEY NO. 1014

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
LOCATION VERIFICATION MAP



USGS QUAD MAP:
 ILLINOIS CAMP NE

NOT TO SCALE

DEVON ENERGY PRODUCTION COMPANY, L.P.

PERIDOT "13" STATE #8H

LOCATED 1650 FT. FROM THE NORTH LINE

AND 1020 FT. FROM THE EAST LINE OF

SECTION 12, TOWNSHIP 19 SOUTH,

RANGE 29 EAST, N.M.P.M.

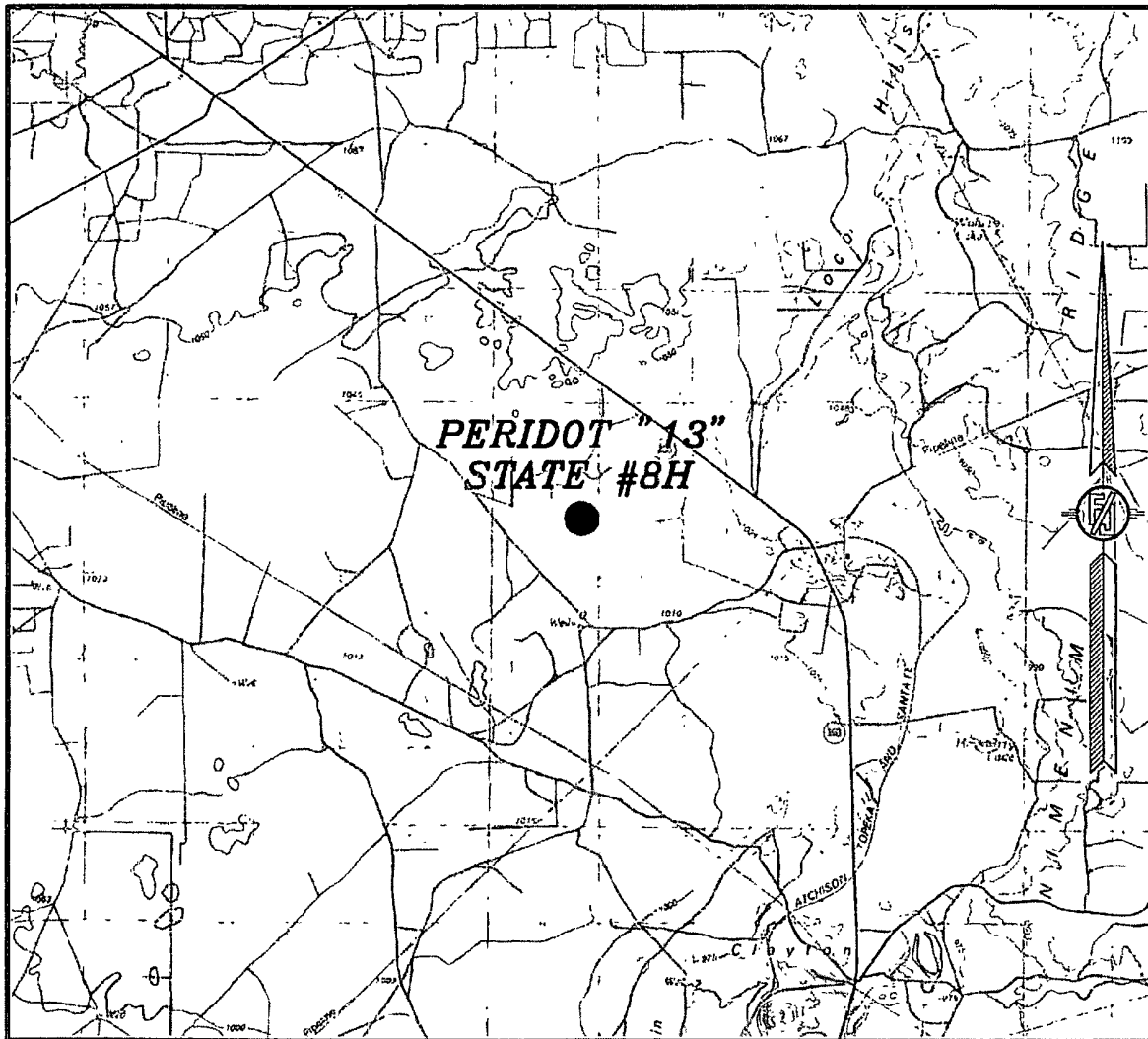
EDDY COUNTY, STATE OF NEW MEXICO

MAY 5, 2012

SURVEY NO. 1014

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
VICINITY MAP



NOT TO SCALE

DEVON ENERGY PRODUCTION COMPANY, L.P.

PERIDOT "13" STATE #8H

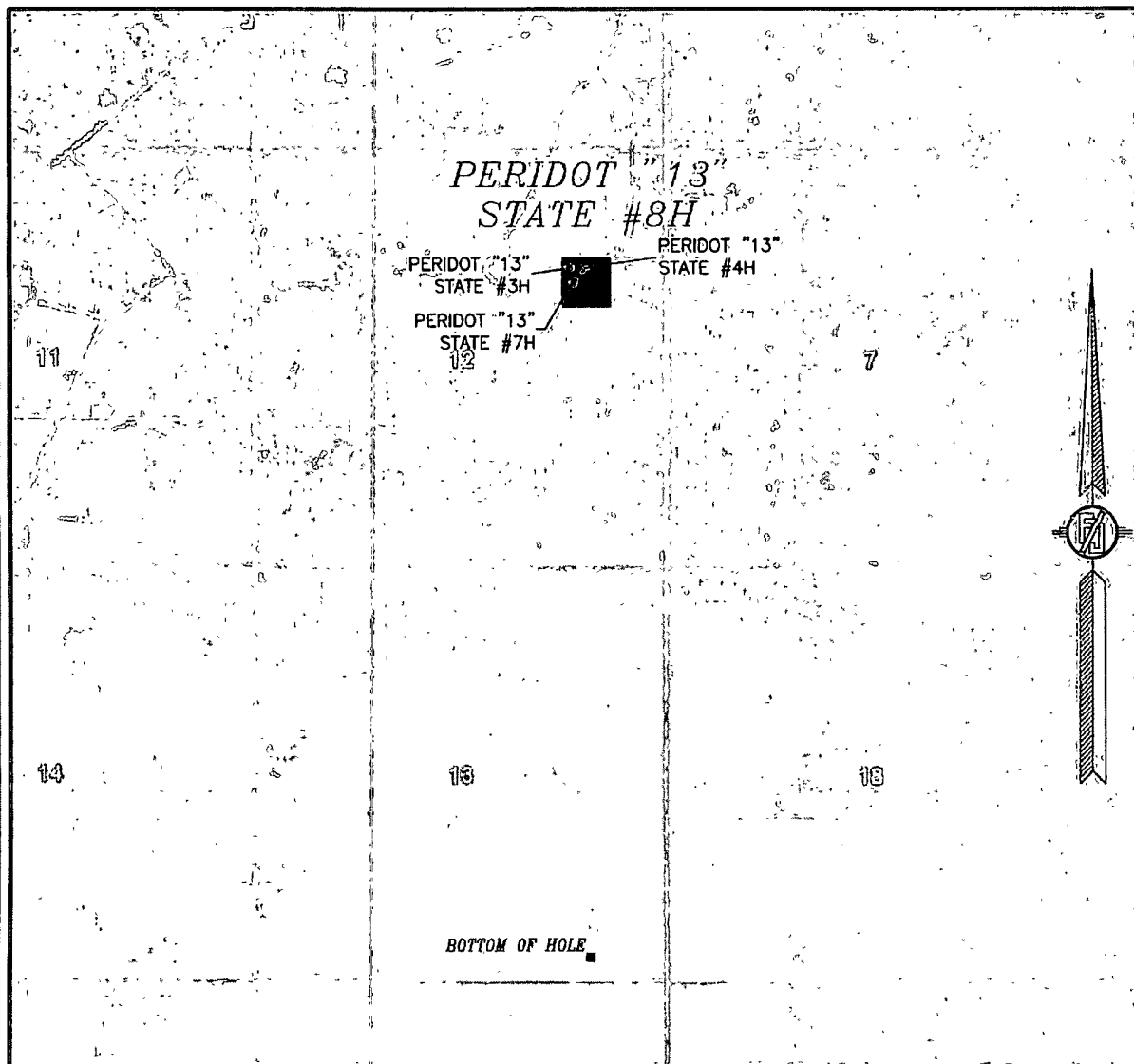
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SECTION 12, TOWNSHIP 19 SOUTH,
RANGE 29 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

MAY 5, 2012

SURVEY NO. 1014

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 #8H

LOCATED 1650 FT. FROM THE NORTH LINE
AND 1020 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. 1014

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

Devon Energy Corporation

HALLIBURTON | Sperry Drilling



Project: Eddy County, NM (NAD 83)
Site: Peridot 13 State
Well: Peridot 13 State 8H
Wellbore: Wellbore #1
Plan: Plan #1
Rig: Cactus 126

SURFACE LOCATION

US State Plane 1983
 New Mexico Eastern Zone
 Elevation: GL 3390.3' + 25'KB @ 3415.30ft (Cactus 126)
Northing 610425.02 **Easting** 636813.22 **Latitude** 32° 40' 39.790 N **Longitude** 104° 1' 22.914 W

SECTION DETAILS

CASING DETAILS

TVD	MD	Name
250.00	250.00	Surface Csg
3600.00	3600.00	Intermediate Csg
7250.00	15594.09	Production Csg

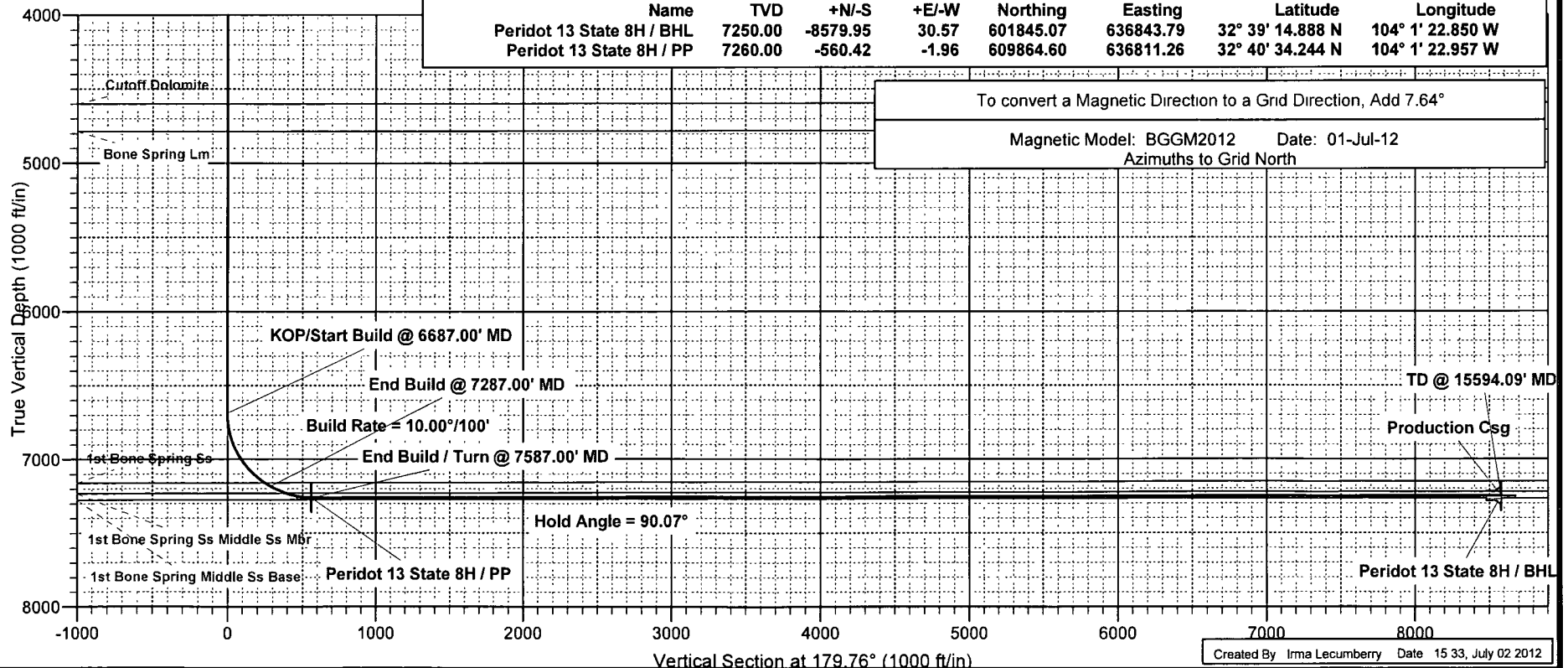
MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6687.00	0.00	0.00	6687.00	0.00	0.00	0.00	0.00	0.00	KOP/Start Build
7287.00	60.00	180.50	7183.20	-286.47	-2.50	10.00	180.50	286.46	End Build
7587.80	90.07	179.76	7259.98	-573.74	-3.02	10.00	-1.48	573.72	End Build / Turn
15594.09	90.07	179.76	7250.00	-8579.95	30.57	0.00	0.00	8580.00	TD

WELLBORE TARGET DETAILS (MAP CO-ORDINATES AND LAT/LONG)

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
Peridot 13 State 8H / BHL	7250.00	-8579.95	30.57	601845.07	636843.79	32° 39' 14.888 N	104° 1' 22.850 W
Peridot 13 State 8H / PP	7260.00	-560.42	-1.96	609864.60	636811.26	32° 40' 34.244 N	104° 1' 22.957 W

To convert a Magnetic Direction to a Grid Direction, Add 7.64°

Magnetic Model: BGGM2012 Date: 01-Jul-12
 Azimuths to Grid North



Project: Eddy County, NM (NAD 83)
Site: Peridot 13 State
Well: Peridot 13 State 8H
Wellbore: Wellbore #1
Plan: Plan #1
Rig: Cactus 126

SURFACE LOCATION

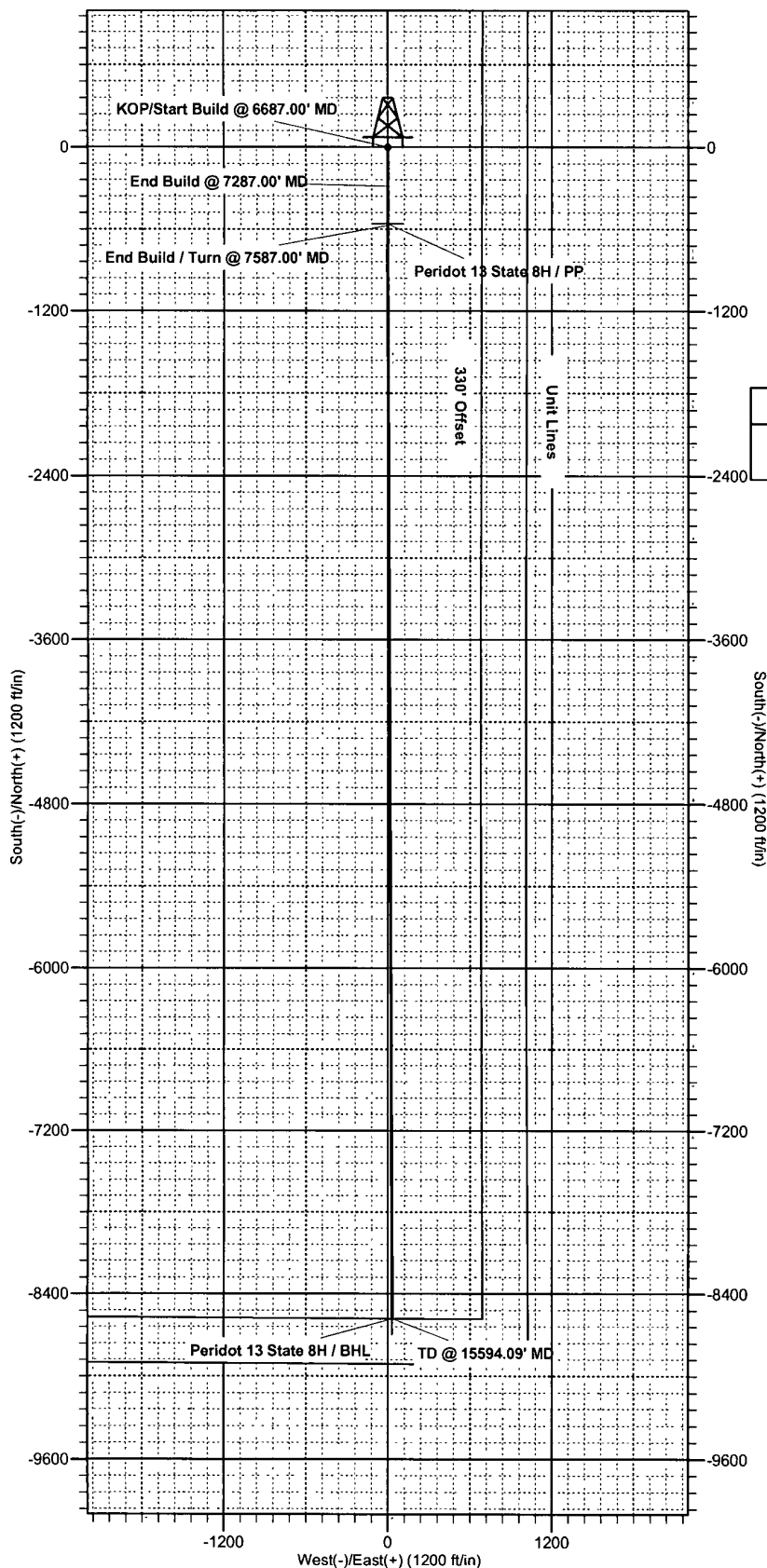
US State Plane 1983
 New Mexico Eastern Zone
 Elevation GL 3390 3' + 25'KB @ 3415 30ft (Cactus 126)

Northing	Easting	Latitude	Longitude
610425 02	636813 22	32° 40' 39 790 N	104° 1' 22 914 W

To convert a Magnetic Direction to a Grid Direction, Add 7 64°

Magnetic Model: BGGM2012 Date 01-Jul-12
 Azimuths to Grid North

devon



Devon Energy Corporation

Eddy County, NM (NAD 83)

Peridot 13 State

Peridot 13 State 8H

Wellbore #1

Plan: Plan #1

Sperry Drilling Services Proposal Report

02 July, 2012

Well Coordinates 610,425 02 N, 636,813 22 E (32° 40' 39 79" N, 104° 01' 22 91" W)
Ground Level 3,390 30 ft

Local Coordinate Origin	Centered on Well Peridot 13 State 8H
Viewing Datum	GL 3390 3' + 25'KB @ 3415 30ft (Cactus 126)
TVDs to System	N
North Reference:	Grd
Unit System	API - US Survey Feet

Version 2003 16 Build 431

HALLIBURTON

Plan Report for Peridot 13 State 8H - Plan #1

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	Toolface Azimuth (°)
0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
25 00	0 00	0 00	25 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
Rustler										
250 00	0 00	0 00	250.00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
Surface Csg										
305 00	0 00	0 00	305 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
Salado										
1,325 00	0 00	0 00	1,325.00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
Tansil Dolomite										
1,435.00	0 00	0 00	1,435 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
Yates										
1,780 00	0 00	0 00	1,780 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
Seven Rivers										
2,230 00	0 00	0 00	2,230 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
Queen										
3,195 00	0 00	0 00	3,195.00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
San Andres										
3,600 00	0 00	0 00	3,600 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
Intermediate Csg										
3,655 00	0 00	0 00	3,655 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
Delaware										
4,600 00	0 00	0 00	4,600 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
Cutoff Dolomite										
4,785 00	0 00	0 00	4,785.00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
Bone Spring Lm										
6,687 00	0 00	0 00	6,687 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
KOP/Start Build @ 6687.00' MD - Build Rate = 10.00°/100'										
6,700 00	1 30	180 50	6,700 00	-0 15	0 00	0 15	10 00	10 00	0 00	180 50
6,800 00	11 30	180 50	6,799 27	-11 11	-0 10	11 11	10 00	10 00	0 00	0 00
6,900 00	21 30	180 50	6,895 13	-39 14	-0 34	39 13	10 00	10 00	0 00	0 00
7,000 00	31 30	180 50	6,984 66	-83 39	-0 73	83 38	10 00	10 00	0 00	0 00
7,100 00	41 30	180 50	7,065 15	-142 51	-1 24	142 50	10 00	10 00	0 00	0 00
7,200 00	51 30	180 50	7,134 15	-214 71	-1 87	214 70	10 00	10 00	0 00	0 00
7,242 89	55 59	180 50	7,159 70	-249 16	-2 17	249 15	10 00	10.00	0 00	0 00
1st Bone Spring Ss										
7,287 00	60 00	180 50	7,183 20	-286 47	-2 50	286 46	10 00	10 00	0 00	0 00
End Build @ 7287.00' MD										
7,300 00	61 30	180 46	7,189 57	-297 80	-2 60	297 79	10 00	10 00	-0 29	-1 48
7,399 41	71 24	180 20	7,229 53	-388 69	-3 11	388 67	10 00	10 00	-0 27	-1 46
1st Bone Spring Ss Middle Ss Mbr										
7,400 00	71 30	180 19	7,229 71	-389 25	-3 11	389 23	10 00	10 00	-0 25	-1 35
7,500 00	81 29	179 96	7,253 38	-486 28	-3 23	486 26	10 00	10 00	-0 24	-1 35
7,587 00	89 99	179 76	7,259 98	-572 94	-3 02	572 92	10 00	10 00	-0 23	-1 29
End Build / Turn @ 7587.00' MD										
7,587 80	90 07	179 76	7,259 98	-573 74	-3 02	573 72	10 00	10 00	-0 22	-1 28
Hold Angle = 90.07°										
7,600 00	90 07	179 76	7,259 96	-585 94	-2 97	585 92	0 00	0 00	0 00	0 00
7,700 00	90 07	179 76	7,259 84	-685 94	-2 55	685 92	0 00	0 00	0 00	0 00
7,800 00	90 07	179 76	7,259 71	-785 94	-2 13	785 92	0 00	0 00	0 00	0 00
7,900 00	90 07	179 76	7,259 59	-885 94	-1 71	885 92	0 00	0 00	0 00	0 00
8,000 00	90 07	179 76	7,259 47	-985 94	-1 29	985 92	0 00	0 00	0 00	0 00
8,100 00	90 07	179 76	7,259 34	-1,085 94	-0 87	1,085 92	0 00	0 00	0 00	0 00
8,200 00	90 07	179 76	7,259 22	-1,185 93	-0 45	1,185 92	0 00	0 00	0 00	0 00
8,300 00	90 07	179 76	7,259 09	-1,285 93	-0 03	1,285 92	0 00	0 00	0 00	0 00
8,400 00	90 07	179 76	7,258 97	-1,385 93	0 39	1,385 92	0 00	0 00	0 00	0 00
8,500 00	90 07	179 76	7,258 84	-1,485 93	0 81	1,485 92	0 00	0 00	0 00	0 00

Plan Report for Peridot 13 State 8H - Plan #1

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	Toolface Azimuth (°)
8,600.00	90.07	179.76	7,258.72	-1,585.93	1.23	1,585.92	0.00	0.00	0.00	0.00
8,700.00	90.07	179.76	7,258.59	-1,685.93	1.65	1,685.92	0.00	0.00	0.00	0.00
8,800.00	90.07	179.76	7,258.47	-1,785.93	2.07	1,785.92	0.00	0.00	0.00	0.00
8,900.00	90.07	179.76	7,258.34	-1,885.93	2.49	1,885.92	0.00	0.00	0.00	0.00
9,000.00	90.07	179.76	7,258.22	-1,985.93	2.91	1,985.92	0.00	0.00	0.00	0.00
9,100.00	90.07	179.76	7,258.09	-2,085.93	3.33	2,085.92	0.00	0.00	0.00	0.00
9,200.00	90.07	179.76	7,257.97	-2,185.93	3.75	2,185.92	0.00	0.00	0.00	0.00
9,300.00	90.07	179.76	7,257.85	-2,285.92	4.17	2,285.92	0.00	0.00	0.00	0.00
9,400.00	90.07	179.76	7,257.72	-2,385.92	4.58	2,385.92	0.00	0.00	0.00	0.00
9,500.00	90.07	179.76	7,257.60	-2,485.92	5.00	2,485.92	0.00	0.00	0.00	0.00
9,600.00	90.07	179.76	7,257.47	-2,585.92	5.42	2,585.92	0.00	0.00	0.00	0.00
9,700.00	90.07	179.76	7,257.35	-2,685.92	5.84	2,685.92	0.00	0.00	0.00	0.00
9,800.00	90.07	179.76	7,257.22	-2,785.92	6.26	2,785.92	0.00	0.00	0.00	0.00
9,900.00	90.07	179.76	7,257.10	-2,885.92	6.68	2,885.92	0.00	0.00	0.00	0.00
10,000.00	90.07	179.76	7,256.97	-2,985.92	7.10	2,985.92	0.00	0.00	0.00	0.00
10,100.00	90.07	179.76	7,256.85	-3,085.92	7.52	3,085.92	0.00	0.00	0.00	0.00
10,200.00	90.07	179.76	7,256.72	-3,185.92	7.94	3,185.92	0.00	0.00	0.00	0.00
10,300.00	90.07	179.76	7,256.60	-3,285.91	8.36	3,285.92	0.00	0.00	0.00	0.00
10,400.00	90.07	179.76	7,256.47	-3,385.91	8.78	3,385.92	0.00	0.00	0.00	0.00
10,500.00	90.07	179.76	7,256.35	-3,485.91	9.20	3,485.92	0.00	0.00	0.00	0.00
10,600.00	90.07	179.76	7,256.22	-3,585.91	9.62	3,585.92	0.00	0.00	0.00	0.00
10,700.00	90.07	179.76	7,256.10	-3,685.91	10.04	3,685.92	0.00	0.00	0.00	0.00
10,800.00	90.07	179.76	7,255.98	-3,785.91	10.46	3,785.92	0.00	0.00	0.00	0.00
10,900.00	90.07	179.76	7,255.85	-3,885.91	10.88	3,885.92	0.00	0.00	0.00	0.00
11,000.00	90.07	179.76	7,255.73	-3,985.91	11.30	3,985.92	0.00	0.00	0.00	0.00
11,100.00	90.07	179.76	7,255.60	-4,085.91	11.72	4,085.92	0.00	0.00	0.00	0.00
11,200.00	90.07	179.76	7,255.48	-4,185.91	12.14	4,185.92	0.00	0.00	0.00	0.00
11,300.00	90.07	179.76	7,255.35	-4,285.90	12.56	4,285.92	0.00	0.00	0.00	0.00
11,400.00	90.07	179.76	7,255.23	-4,385.90	12.98	4,385.92	0.00	0.00	0.00	0.00
11,500.00	90.07	179.76	7,255.10	-4,485.90	13.39	4,485.92	0.00	0.00	0.00	0.00
11,600.00	90.07	179.76	7,254.98	-4,585.90	13.81	4,585.92	0.00	0.00	0.00	0.00
11,700.00	90.07	179.76	7,254.85	-4,685.90	14.23	4,685.92	0.00	0.00	0.00	0.00
11,800.00	90.07	179.76	7,254.73	-4,785.90	14.65	4,785.92	0.00	0.00	0.00	0.00
11,900.00	90.07	179.76	7,254.60	-4,885.90	15.07	4,885.92	0.00	0.00	0.00	0.00
12,000.00	90.07	179.76	7,254.48	-4,985.90	15.49	4,985.92	0.00	0.00	0.00	0.00
12,100.00	90.07	179.76	7,254.36	-5,085.90	15.91	5,085.92	0.00	0.00	0.00	0.00
12,200.00	90.07	179.76	7,254.23	-5,185.90	16.33	5,185.92	0.00	0.00	0.00	0.00
12,300.00	90.07	179.76	7,254.11	-5,285.90	16.75	5,285.92	0.00	0.00	0.00	0.00
12,400.00	90.07	179.76	7,253.98	-5,385.89	17.17	5,385.92	0.00	0.00	0.00	0.00
12,500.00	90.07	179.76	7,253.86	-5,485.89	17.59	5,485.92	0.00	0.00	0.00	0.00
12,600.00	90.07	179.76	7,253.73	-5,585.89	18.01	5,585.92	0.00	0.00	0.00	0.00
12,700.00	90.07	179.76	7,253.61	-5,685.89	18.43	5,685.92	0.00	0.00	0.00	0.00
12,800.00	90.07	179.76	7,253.48	-5,785.89	18.85	5,785.92	0.00	0.00	0.00	0.00
12,900.00	90.07	179.76	7,253.36	-5,885.89	19.27	5,885.92	0.00	0.00	0.00	0.00
13,000.00	90.07	179.76	7,253.23	-5,985.89	19.69	5,985.92	0.00	0.00	0.00	0.00
13,100.00	90.07	179.76	7,253.11	-6,085.89	20.11	6,085.92	0.00	0.00	0.00	0.00
13,200.00	90.07	179.76	7,252.98	-6,185.89	20.53	6,185.92	0.00	0.00	0.00	0.00
13,300.00	90.07	179.76	7,252.86	-6,285.89	20.95	6,285.92	0.00	0.00	0.00	0.00
13,400.00	90.07	179.76	7,252.73	-6,385.88	21.37	6,385.92	0.00	0.00	0.00	0.00
13,500.00	90.07	179.76	7,252.61	-6,485.88	21.78	6,485.92	0.00	0.00	0.00	0.00
13,600.00	90.07	179.76	7,252.49	-6,585.88	22.20	6,585.92	0.00	0.00	0.00	0.00
13,700.00	90.07	179.76	7,252.36	-6,685.88	22.62	6,685.92	0.00	0.00	0.00	0.00
13,800.00	90.07	179.76	7,252.24	-6,785.88	23.04	6,785.92	0.00	0.00	0.00	0.00
13,900.00	90.07	179.76	7,252.11	-6,885.88	23.46	6,885.92	0.00	0.00	0.00	0.00
14,000.00	90.07	179.76	7,251.99	-6,985.88	23.88	6,985.92	0.00	0.00	0.00	0.00
14,100.00	90.07	179.76	7,251.86	-7,085.88	24.30	7,085.92	0.00	0.00	0.00	0.00
14,200.00	90.07	179.76	7,251.74	-7,185.88	24.72	7,185.92	0.00	0.00	0.00	0.00
14,300.00	90.07	179.76	7,251.61	-7,285.88	25.14	7,285.92	0.00	0.00	0.00	0.00
14,400.00	90.07	179.76	7,251.49	-7,385.88	25.56	7,385.92	0.00	0.00	0.00	0.00
14,500.00	90.07	179.76	7,251.36	-7,485.87	25.98	7,485.92	0.00	0.00	0.00	0.00

Plan Report for Peridot 13 State 8H - Plan #1

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	Toolface Azimuth (°)
14,600 00	90 07	179 76	7,251 24	-7,585 87	26 40	7,585 92	0 00	0 00	0 00	0 00
14,700 00	90 07	179 76	7,251 11	-7,685 87	26 82	7,685 92	0 00	0 00	0 00	0 00
14,800 00	90 07	179 76	7,250 99	-7,785 87	27 24	7,785 92	0 00	0 00	0 00	0 00
14,900 00	90 07	179 76	7,250 87	-7,885 87	27 66	7,885 92	0 00	0 00	0 00	0 00
15,000 00	90 07	179 76	7,250 74	-7,985 87	28 08	7,985 92	0 00	0 00	0 00	0 00
15,100 00	90 07	179 76	7,250 62	-8,085 87	28 50	8,085 92	0 00	0 00	0 00	0 00
15,200 00	90 07	179 76	7,250 49	-8,185 87	28 92	8,185 92	0 00	0 00	0 00	0 00
15,300 00	90 07	179 76	7,250 37	-8,285 87	29 34	8,285 92	0 00	0 00	0 00	0 00
15,400 00	90 07	179 76	7,250 24	-8,385 87	29 76	8,385 92	0 00	0 00	0 00	0 00
15,500 00	90 07	179 76	7,250 12	-8,485 86	30 18	8,485 92	0 00	0 00	0 00	0 00
15,594 09	90 07	179 76	7,250 00	-8,579 95	30 57	8,580 00	0 00	0 00	0 00	0 00

Peridot 13 State 8H / BHL

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates +N/-S (ft)	+E/-W (ft)	Comment
6,687 00	6,687 00	0 00	0 00	KOP/Start Build @ 6687 00' MD
6,687 00	6,687 00	0 00	0 00	Build Rate = 10 00°/100'
7,287 00	7,183 20	-286 47	-2 50	End Build @ 7287 00' MD
7,587 00	7,259 98	-572 94	-3 02	End Build / Turn @ 7587 00' MD
7,587 80	7,259 98	-573 74	-3 02	Hold Angle = 90 07°
15,594 09	7,250 00	-8,579 95	30 57	TD @ 15594 09' MD

Vertical Section Information

Angle Type	Target	Azimuth (°)	Origin Type	Origin +N/-S (ft)	Origin +E/-W (ft)	Start TVD (ft)
User	No Target (Freehand)	179 76	Slot	0 00	0 00	0 00

Survey tool program

From (ft)	To (ft)	Survey/Plan	Survey Tool
0 00	15,594 06	Plan #1	MWD

Casing Details

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
250 00	250 00	Surface Csg	13-3/8	17-1/2
3,600 00	3,600 00	Intermediate Csg	9-5/8	12-1/4
15,594 09	7,250 00	Production Csg	5-1/2	8-3/4

Plan Report for Peridot 13 State 8H - Plan #1

Formation Details

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
	7,275.00	1st Bone Spring Middle Ss Base		-0.07	179.76
25.00	25.00	Rustler		-0.07	179.76
305.00	305.00	Salado		-0.07	179.76
1,325.00	1,325.00	Tansil Dolomite		-0.07	179.76
1,435.00	1,435.00	Yates		-0.07	179.76
1,780.00	1,780.00	Seven Rivers		-0.07	179.76
2,230.00	2,230.00	Queen		-0.07	179.76
3,195.00	3,195.00	San Andres		-0.07	179.76
3,655.00	3,655.00	Delaware		-0.07	179.76
4,600.00	4,600.00	Cutoff Dolomite		-0.07	179.76
4,785.00	4,785.00	Bone Spring Lm		-0.07	179.76
7,242.89	7,160.00	1st Bone Spring Ss		-0.07	179.76
7,399.41	7,230.00	1st Bone Spring Ss Middle Ss Mbr		-0.07	179.76

Targets associated with this wellbore

Target Name	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Shape
Pendot 13 State 8H / BHL	7,250.00	-8,579.95	30.57	Point
Pendot 13 State 8H / PP	7,260.00	-560.42	-1.96	Point

North Reference Sheet for Peridot 13 State - Peridot 13 State 8H - Wellbore #1

All data is in US Feet unless otherwise stated. Directions and Coordinates are relative to Grid North Reference.

Vertical Depths are relative to GL 3390 3' + 25'KB @ 3415 30ft (Cactus 126). Northing and Easting are relative to Peridot 13 State 8H.

Coordinate System is US State Plane 1983, New Mexico Eastern Zone using datum North American Datum 1983, ellipsoid GRS 1980.

Projection method is Transverse Mercator (Gauss-Kruger).

Central Meridian is -104 33°, Longitude Origin 0° 0' 0 000 E°, Latitude Origin 0° 0' 0 000 N°.

False Easting: 541,337 50ft, False Northing: 0 00ft, Scale Reduction: 0.99991953.

Grid Coordinates of Well: 610,425.02 ft N, 636,813.22 ft E.

Geographical Coordinates of Well: 32° 40' 39 79" N, 104° 01' 22 91" W.

Grid Convergence at Surface is: 0 17°.

Based upon Minimum Curvature type calculations, at a Measured Depth of 15,594 09ft.

the Bottom Hole Displacement is 8,580 00ft in the Direction of 179.80° (Grid).

Magnetic Convergence at surface is -7 64° (1 July 2012, , BGGM2012).

