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1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Avenue, Hobbs, NM 88240

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 30-015-46522		² Pool Code 9690	³ Pool Name CARLSBAD; DELAWARE
⁴ Property Code 38927	⁵ Property Name LONE TREE DRAW "13" STATE		⁶ Well Number 4H
⁷ OGRID No. 6137	⁸ Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.		⁹ Elevation 3177.4

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
B	13	21 S	27 E		150	NORTH	2390	EAST	EDDY

¹¹ Bottom Hole Location If Different From Surface

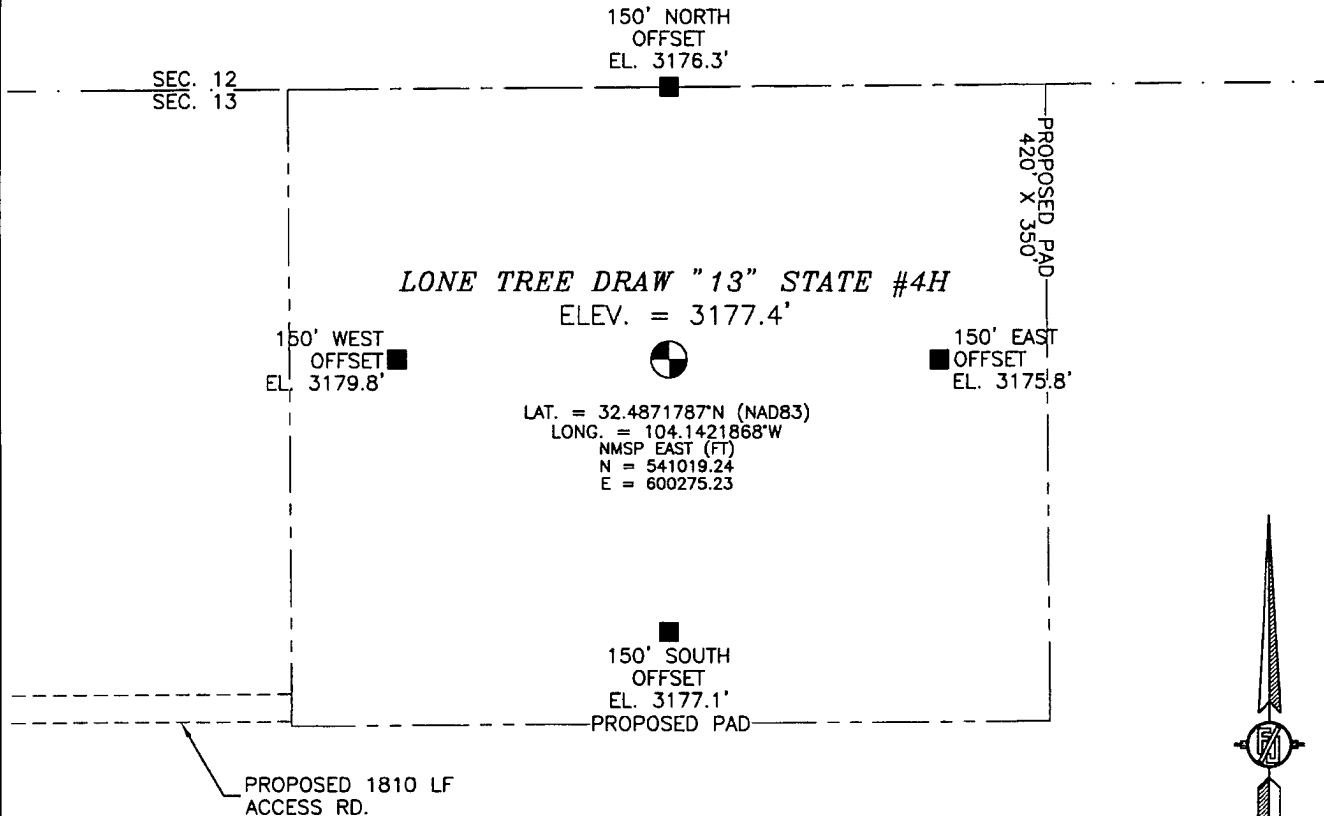
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	13	21 S	27 E		330	SOUTH	1980	EAST	EDDY

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

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.

S89°39'37"W 2682.92 FT NW CORNER SEC. 13 LAT. = 32.4875564°N LONG. = 104.1518460°W NMSP EAST (FT) N = 541151.41 E = 597296.70 W O CORNER SEC. 13 LAT. = 32.4802573°N LONG. = 104.1518272°W NMSP EAST (FT) N = 538496.22 E = 597307.03 S89°08'22"E 2677.85 FT		S89°38'05"W 2684.65 FT NE CORNER SEC. 13 LAT. = 32.4876208°N LONG. = 104.1344381°W NMSP EAST (FT) N = 541184.43 E = 602664.17 E O CORNER SEC. 13 LAT. = 32.4803890°N LONG. = 104.1344261°W NMSP EAST (FT) N = 538553.51 E = 602672.78 S89°08'32"E 2679.16 FT	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>Judy A. Barnett</i> Signature Date Printed Name Judy A. Barnett Regulatory Specialist 7/24/12
2390' SURFACE LOCATION LONE TREE DRAW "13" STATE #4H ELEV = 3177.4' LAT. = 32.4871787°N (NAD83) LONG. = 104.1421868°W NMSP EAST (FT) N = 541019.24 E = 600275.23 2630.94 FT		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 <i>F. J. Jaramillo</i> Signature and Seal of Professional Surveyor Certificate Number 11000 Date of Survey MAY 15 2012 FILIPIO F. JARAMILLO, PLS 12797 SURVEY NO. 1070	
500°13'22"E 2655.22 FT 500°22'24"E 2651.51 FT SW CORNER SEC. 13 LAT. = 32.4729694°N LONG. = 104.1517858°W NMSP EAST (FT) N = 535814.76 E = 597324.31 S O CORNER SEC. 13 LAT. = 32.4730671°N LONG. = 104.1431031°W NMSP EAST (FT) N = 535881.98 E = 600001.86 1980' 500°11'15"W 2630.94 FT 500°10'23"W 2628.44 FT			

SECTION 13, TOWNSHIP 21 SOUTH, RANGE 27 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO



010 50 100 200

SCALE 1" = 100'

DIRECTIONS TO LOCATION

FROM THE INTERSECTION OF CR 206 (ILLINOIS CAMP ROAD) AND SR 200 (GEORGE SHOUP, RELIEF ROUTE) GO NORTH ON CR 206 1.3 MILES TO CR 600 (RAINS ROAD) ON THE RIGHT GO EAST ON CR 600 2.1 MILES (RAMBO BOOSTER) PAVEMENT ENDS. CONTINUE EAST ON CALICHE ROAD 0.25 MILES TO CALICHE ROAD ON RIGHT ACROSS FROM BORROW PIT. GO RIGHT ON CALICHE ROAD 2.75 MILES TO A ROAD INTERSECTION EAST OF CATTLE GUARD. GO EAST ON CALICHE ROAD ABOUT 800 FT. ROAD TURNS NORTH TO LONE TREE #1 EXISTING PAD SITE LIES 0.45 MILES EAST.

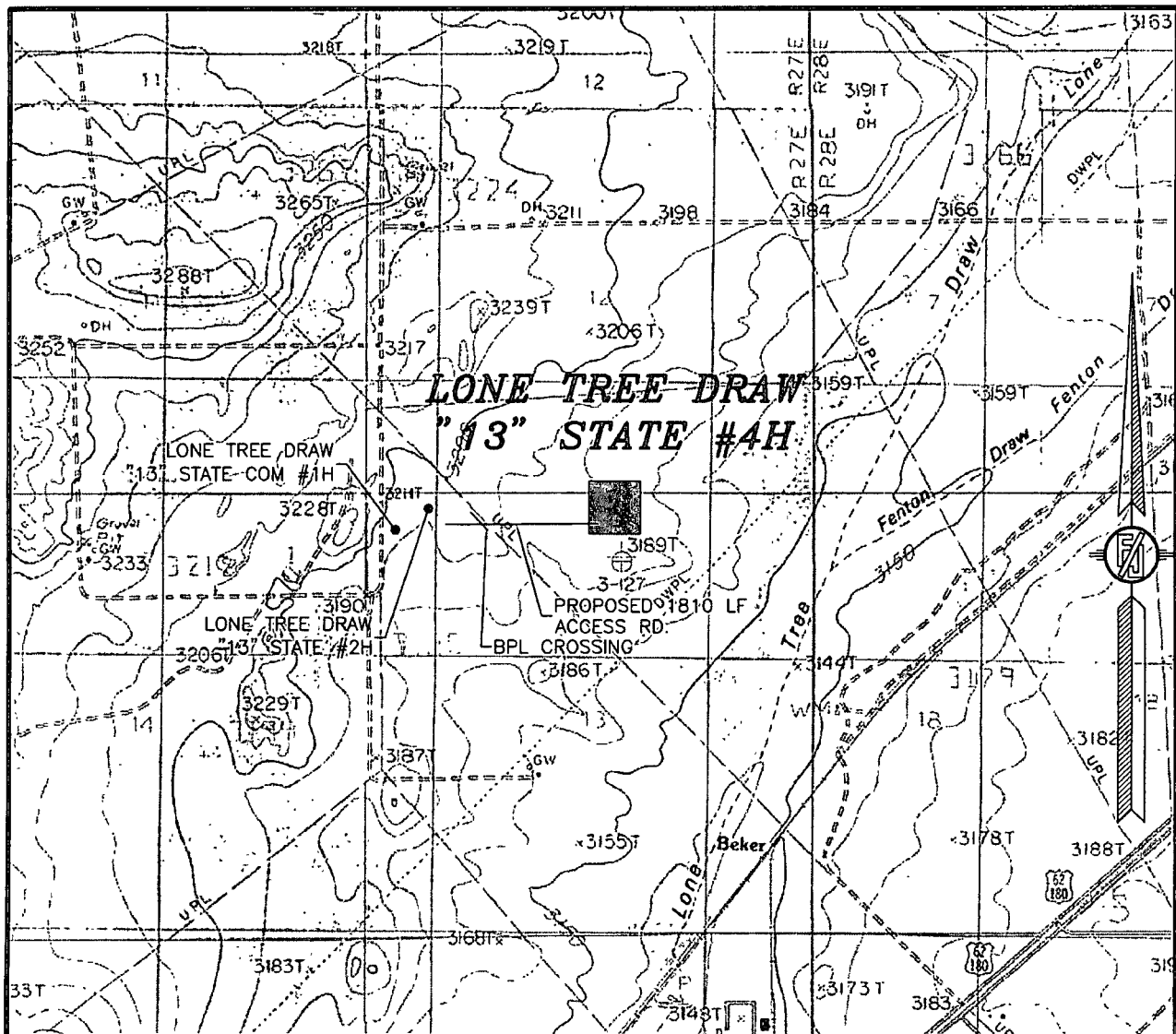
DEVON ENERGY PRODUCTION COMPANY, L.P.
LONE TREE DRAW "13" STATE #4H
LOCATED 150 FT. FROM THE NORTH LINE
AND 2390 FT. FROM THE EAST LINE OF
SECTION 13, TOWNSHIP 21 SOUTH,
RANGE 27 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

MAY 15, 2012

SURVEY NO. 1070

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

SECTION 13, TOWNSHIP 21 SOUTH, RANGE 27 EAST, N.M.P.M.
 EDDY COUNTY, STATE OF NEW MEXICO
 LOCATION VERIFICATION MAP



USGS QUAD MAP:
 CARLSBAD EAST

NOT TO SCALE

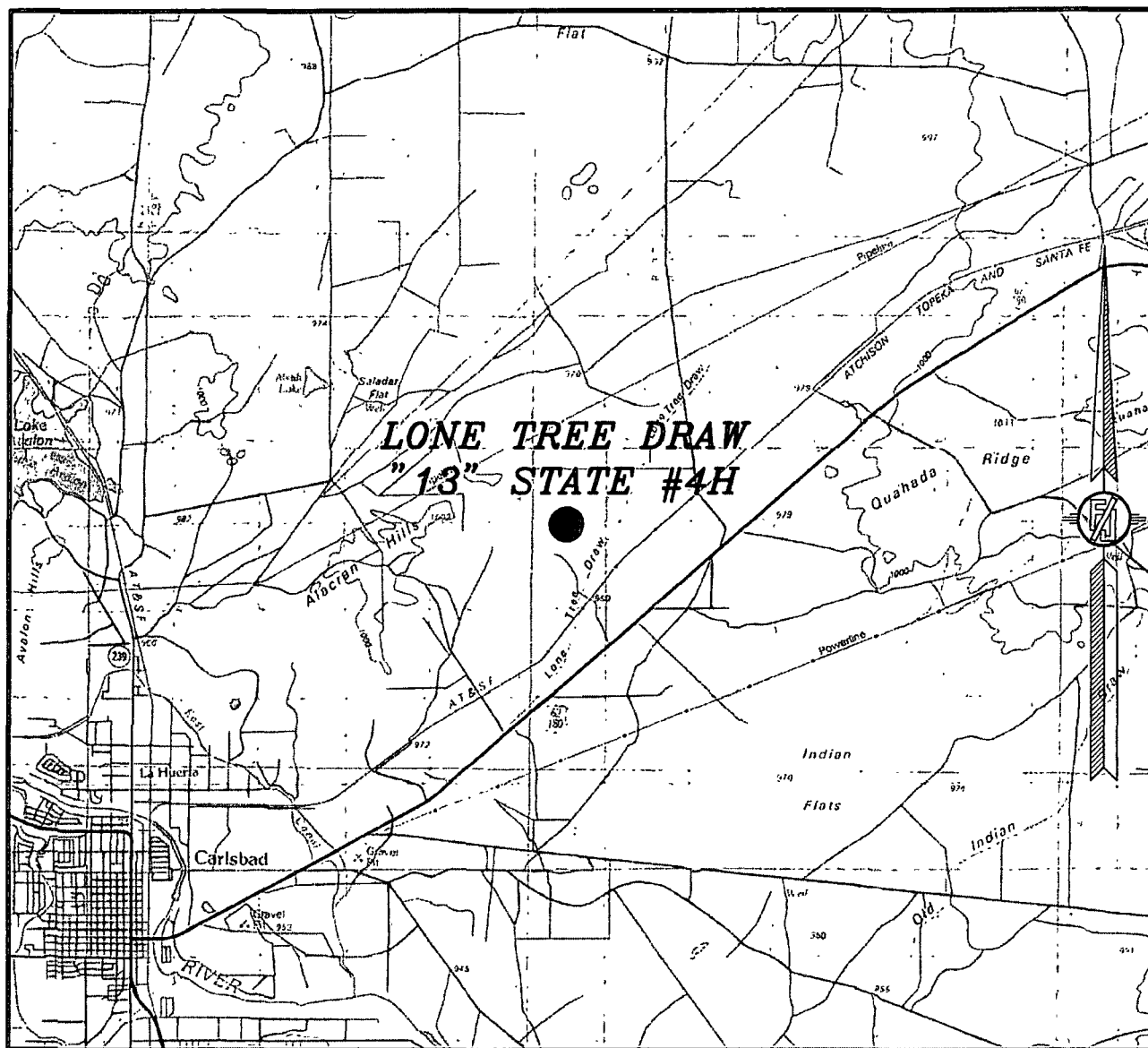
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MADRON SURVEYING, INC. 301 SOUTH CANAL (575) 234-3341 CARLSBAD, NEW MEXICO

SECTION 13, TOWNSHIP 21 SOUTH, RANGE 27 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO
VICINITY MAP



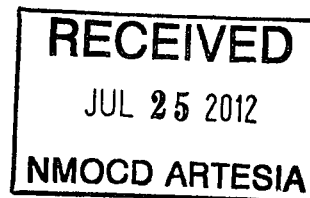
NOT TO SCALE

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LONE TREE DRAW "13" STATE #4H
LOCATED 150 FT. FROM THE NORTH LINE
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EDDY COUNTY, STATE OF NEW MEXICO

MAY 15, 2012

SURVEY NO. 1070

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



Devon Energy Corporation

Eddy County, NM (NAD 83)

Lone Tree Draw "13" State

Lone Tree Draw "13" State 4H

Wellbore #1

Plan: Plan #2

Sperry Drilling Services Proposal Report

23 July, 2012

Well Coordinates 541,019 24 N, 600,275 23 E (32° 29' 13 84" N, 104° 08' 31 87" W)

Ground Level 3,177 40 ft

Local Coordinate Origin

Centered on Well Lone Tree Draw "13" State 4H

Viewing Datum

GL 3177 4' + 25'KB @ 3202 40ft (Original Well Elev)

TVDs to System

N

North Reference

Grd

Unit System

API - US Survey Feet

Version 2003 16 Build 431

HALLIBURTON

HALLIBURTON**Plan Report for Lone Tree Draw "13" State 4H - Plan #2**

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
4,429 00	0 00	0 00	4,429 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
KOP/Start Build @ 4429'MD										
4,429 01	0 00	174 93	4,429 01	0 00	0 00	0 00	0 00	0 00	0 00	174 93
Build Rate 10°/100ft										
4,500 00	7 10	174 93	4,499 82	-4 38	0 39	4 39	10 00	10 00	0 00	174 93
4,600 00	17 10	174 93	4,597 47	-25 23	2 24	25 33	10 00	10 00	0 00	0 00
4,700 00	27 10	174 93	4,690 01	-62 66	5 56	62 90	10 00	10 00	0 00	0 00
4,800 00	37 10	174 93	4,774 61	-115 52	10 24	115 98	10 00	10 00	0 00	0 00
4,900 00	47 10	174 93	4,848 72	-182 22	16 16	182 93	10 00	10 00	0 00	0 00
5,000 00	57 10	174 93	4,910 07	-260 72	23 12	261 74	10 00	10 00	0 00	0 00
5,100 00	67 10	174 93	4,956 80	-348 64	30 91	350 01	10 00	10 00	0 00	0 00
5,200 00	77 10	174 93	4,987 50	-443 31	39 31	445 04	10 00	10 00	0 00	0 00
5,300 00	87 10	174 93	5,001 22	-541 84	48 04	543 97	10 00	10 00	0 00	0 00
5,328 99	90 00	174 93	5,001 96	-570 71	50 60	572 95	10 00	10 00	0 00	0 00
End Build 5328.99'MD - Hold Angle = 90.0°										
5,400 00	90 00	174 93	5,001 96	-641 44	56 87	643 96	0 00	0 00	0 00	0 00
5,500 00	90 00	174 93	5,001 96	-741 05	65 70	743 96	0 00	0 00	0 00	0 00
5,600 00	90 00	174 93	5,001 96	-840 66	74 54	843 96	0 00	0 00	0 00	0 00
5,700 00	90 00	174 93	5,001 96	-940 27	83 37	943 96	0 00	0 00	0 00	0 00
5,800 00	90 00	174 93	5,001 96	-1,039 88	92 20	1,043 96	0 00	0 00	0 00	0 00
5,900 00	90 00	174 93	5,001 96	-1,139 49	101 03	1,143 96	0 00	0 00	0 00	0 00
6,000 00	90 00	174 93	5,001 96	-1,239 10	109 86	1,243 96	0 00	0 00	0 00	0 00
6,100 00	90 00	174 93	5,001 97	-1,338 71	118 69	1,343 96	0 00	0 00	0 00	0 00
6,200 00	90 00	174 93	5,001 97	-1,438 32	127 53	1,443 96	0 00	0 00	0 00	0 00
6,300 00	90 00	174 93	5,001 97	-1,537 92	136 36	1,543 96	0 00	0 00	0 00	0 00
6,400 00	90 00	174 93	5,001 97	-1,637 53	145 19	1,643 96	0 00	0 00	0 00	0 00
6,500 00	90 00	174 93	5,001 97	-1,737 14	154 02	1,743 96	0 00	0 00	0 00	0 00
6,600 00	90 00	174 93	5,001 97	-1,836 75	162 85	1,843 96	0 00	0 00	0 00	0 00
6,700 00	90 00	174 93	5,001 97	-1,936 36	171 68	1,943 96	0 00	0 00	0 00	0 00
6,800 00	90 00	174 93	5,001 97	-2,035 97	180 52	2,043 96	0 00	0 00	0 00	0 00
6,900 00	90 00	174 93	5,001 97	-2,135 58	189 35	2,143 96	0 00	0 00	0 00	0 00
7,000 00	90 00	174 93	5,001 97	-2,235 19	198 18	2,243 96	0 00	0 00	0 00	0 00
7,100 00	90 00	174 93	5,001 98	-2,334 80	207 01	2,343 96	0 00	0 00	0 00	0 00
7,200 00	90 00	174 93	5,001 98	-2,434 41	215 84	2,443 96	0 00	0 00	0 00	0 00
7,300 00	90 00	174 93	5,001 98	-2,534 02	224 68	2,543 96	0 00	0 00	0 00	0 00
7,400 00	90 00	174 93	5,001 98	-2,633 63	233 51	2,643 96	0 00	0 00	0 00	0 00
7,500 00	90 00	174 93	5,001 98	-2,733 24	242 34	2,743 96	0 00	0 00	0 00	0 00
7,600 00	90 00	174 93	5,001 98	-2,832 84	251 17	2,843 96	0 00	0 00	0 00	0 00
7,700 00	90 00	174 93	5,001 98	-2,932 45	260 00	2,943 96	0 00	0 00	0 00	0 00
7,800 00	90 00	174 93	5,001 98	-3,032 06	268 83	3,043 96	0 00	0 00	0 00	0 00
7,900 00	90 00	174 93	5,001 98	-3,131 67	277 67	3,143 96	0 00	0 00	0 00	0 00
8,000 00	90 00	174 93	5,001 98	-3,231 28	286 50	3,243 96	0 00	0 00	0 00	0 00
8,100 00	90 00	174 93	5,001 99	-3,330 89	295 33	3,343 96	0 00	0 00	0 00	0 00
8,200 00	90 00	174 93	5,001 99	-3,430 50	304 16	3,443 96	0 00	0 00	0 00	0 00
8,300 00	90 00	174 93	5,001 99	-3,530 11	312 99	3,543 96	0 00	0 00	0 00	0 00
8,400 00	90 00	174 93	5,001 99	-3,629 72	321 82	3,643 96	0 00	0 00	0 00	0 00
8,500 00	90 00	174 93	5,001 99	-3,729 33	330 66	3,743 96	0 00	0 00	0 00	0 00
8,600 00	90 00	174 93	5,001 99	-3,828 94	339 49	3,843 96	0 00	0 00	0 00	0 00
8,700 00	90 00	174 93	5,001 99	-3,928 55	348 32	3,943 96	0 00	0 00	0 00	0 00
8,800 00	90 00	174 93	5,001 99	-4,028 16	357 15	4,043 96	0 00	0 00	0 00	0 00
8,900 00	90 00	174 93	5,001 99	-4,127 76	365 98	4,143 96	0 00	0 00	0 00	0 00
9,000 00	90 00	174 93	5,001 99	-4,227 37	374 81	4,243 96	0 00	0 00	0 00	0 00
9,100 00	90 00	174 93	5,002 00	-4,326 98	383 65	4,343 96	0 00	0 00	0 00	0 00
9,200 00	90 00	174 93	5,002 00	-4,426 59	392 48	4,443 96	0 00	0 00	0 00	0 00
9,300 00	90 00	174 93	5,002 00	-4,526 20	401 31	4,543 96	0 00	0 00	0 00	0 00
9,400 00	90 00	174 93	5,002 00	-4,625 81	410 14	4,643 96	0 00	0 00	0 00	0 00
9,500 00	90 00	174 93	5,002 00	-4,725 42	418 97	4,743 96	0 00	0 00	0 00	0 00

HALLIBURTON**Plan Report for Lone Tree Draw "13" State 4H - Plan #2**

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 (°)
9,568.69	90.00	174.93	5,002.00	-4,793.84	425.04	4,812.65	0.00	0.00	0.00	0.00
TD @ 9568.70'MD										
9,568.70	90.00	174.93	5,002.00	-4,793.85	425.04	4,812.66	0.00	0.00	0.00	0.00
Lone Tree Draw "13" State 4H / BHL										

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
4,429.00	4,429.00	0.00	0.00	KOP/Start Build @ 4429'MD
4,429.01	4,429.01	0.00	0.00	Build Rate 10°/100ft
5,328.99	5,001.96	-570.71	50.60	End Build 5328.99'MD
5,328.99	5,001.96	-570.71	50.60	Hold Angle = 90.0°
9,568.69	5,002.00	-4,793.84	425.04	TD @ 9568.70'MD

Vertical Section Information

Angle Type	Target	Azimuth (°)	Origin Type	Origin		Start TVD (ft)
				+N/-S (ft)	+E/-W (ft)	
TD	No Target (Freehand)	174.93	Slot	0.00	0.00	0.00

Survey tool program

From (ft)	To (ft)	Survey/Plan	Survey Tool
0.00	9,568.70	Plan #2	MWD

Targets associated with this wellbore

Target Name	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Shape
Lone Tree Draw "13" State 4H / BHL	5,002.00	-4,793.85	425.04	Point

HALLIBURTON

North Reference Sheet for Lone Tree Draw "13" State - Lone Tree Draw "13" State 4H - 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 3177 4' + 25'KB @ 3202 40ft (Original Well Elev). Northing and Easting are relative to Lone Tree Draw "13" State 4H

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: 0.99991307

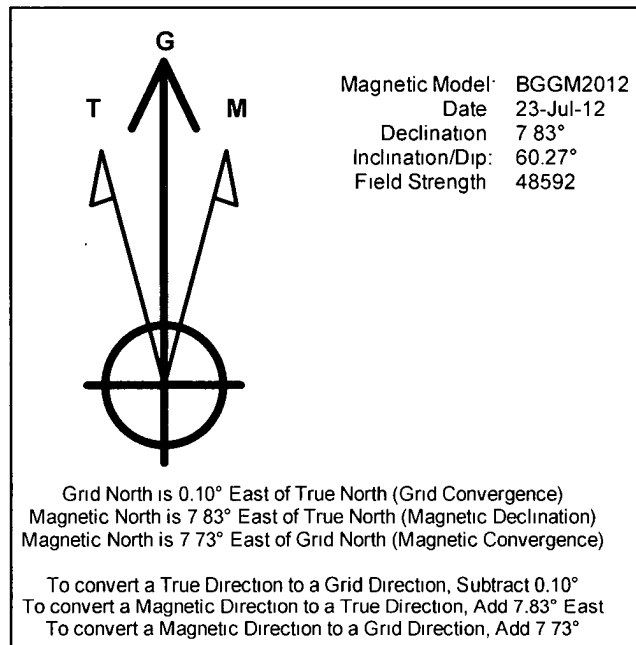
Grid Coordinates of Well: 541,019.24 ft N, 600,275.23 ft E

Geographical Coordinates of Well: 32° 29' 13.84" N, 104° 08' 31.87" W

Grid Convergence at Surface is 0.10°

Based upon Minimum Curvature type calculations, at a Measured Depth of 9,568.70ft
the Bottom Hole Displacement is 4,812.66ft in the Direction of 174.93° (Grid)

Magnetic Convergence at surface is -7.73° (23 July 2012, BGGM2012)



Project: Eddy County, NM (NAD 83)
 Site: Lone Tree Draw "13" State
 Well: Lone Tree Draw "13" State 4H
 Wellbore: Wellbore #1
 Plan: Plan #2
 Rig: Original Well Elev

SURFACE LOCATION

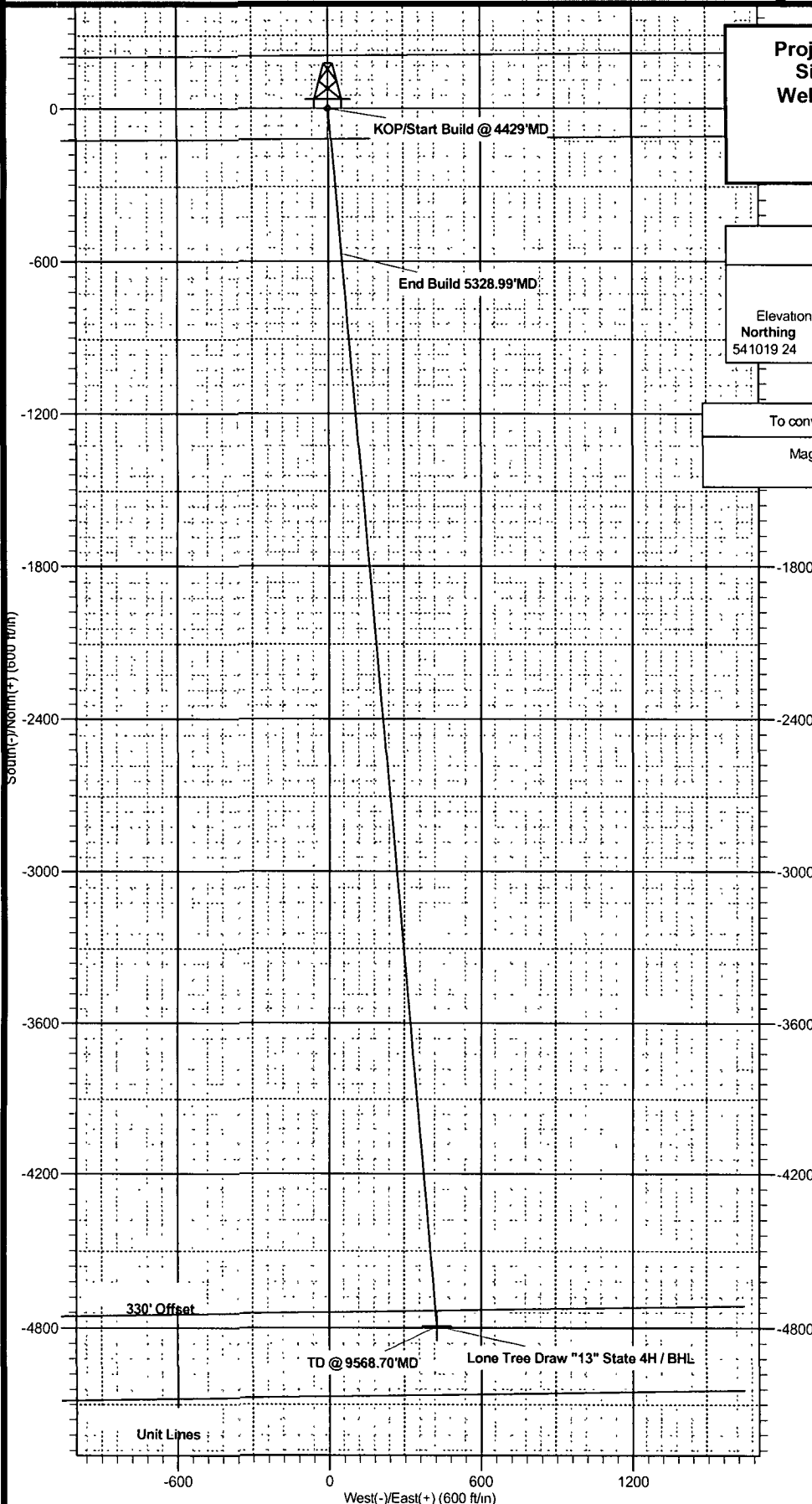
US State Plane 1983
 New Mexico Eastern Zone
 Elevation GL 3177 4' + 25'KB @ 3202 40ft (Original Well Elev)

Northing	Easting	Latitude	Longitude
541019 24	600275 23	32° 29' 13 843 N	104° 8' 31 873 W

To convert a Magnetic Direction to a Grid Direction, Add 7 73°

Magnetic Model: BGGM2012 Date 23-Jul-12
 Azimuths to Grid North

devon



Devon Energy Corporation

HALLIBURTON | Sperry Drilling



Project: Eddy County, NM (NAD 83)
Site: Lone Tree Draw "13" State
Well: Lone Tree Draw "13" State 4H
Wellbore: Wellbore #1
Plan: Plan #2
Rig: Original Well Elev

SURFACE LOCATION

US State Plane 1983
 New Mexico Eastern Zone
 Elevation: GL 3177 4' + 25'KB @ 3202 40ft (Original Well Elev)
 Northing Easting Latitude Longitude
 541019 24 600275 2332° 29' 13.843 N 104° 8' 31 873 W

CASING DETAILS

No casing data is available

SECTION DETAILS

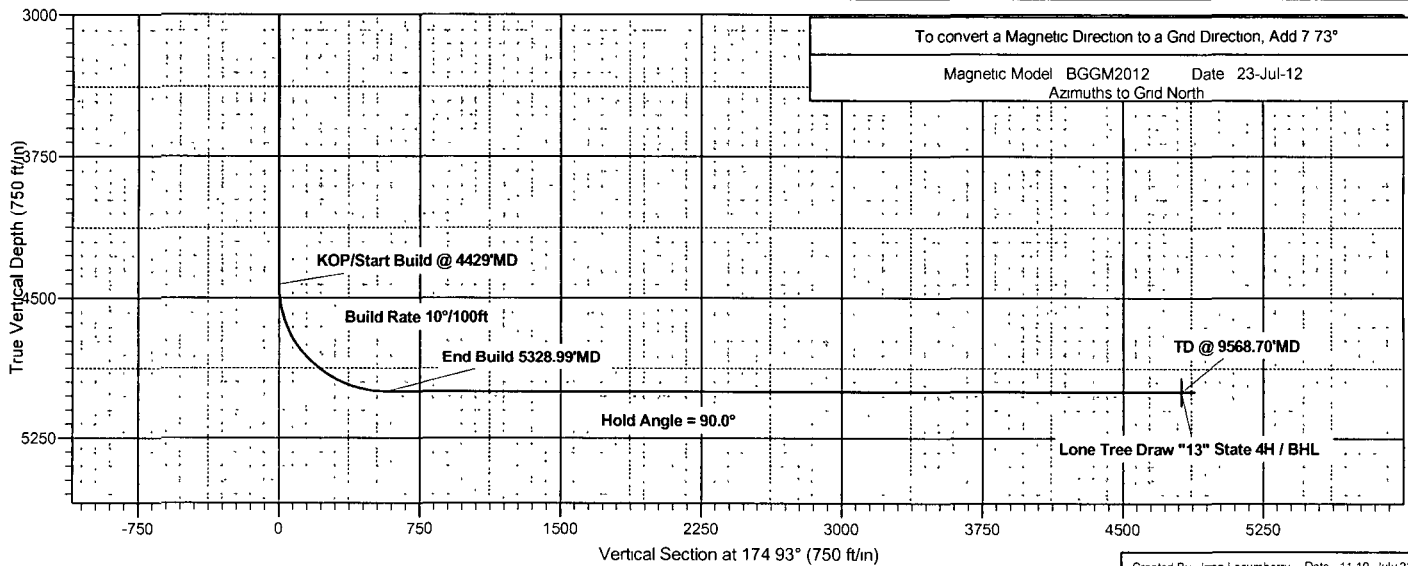
MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	
0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	
4429 00	0 00	0 00	4429 00	0 00	0 00	0 00	0 00	0 00	KOP/Start Build
5328 99	90 00	174 93	5001 96	-570 71	50 60	10 00	174 93	572 95	End Build
9568 70	90 00	174 93	5002 00	-4793 85	425 04	0 00	0 00	4812 66	TD

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

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
Lone Tree Draw "13" State 4H / BHL	5002.00	-4793.85	425.04	536225.39	600700.27	32° 28' 26.398 N	104° 8' 27.011 W

To convert a Magnetic Direction to a Grd Direction, Add 7 73°

Magnetic Model BGGM2012 Date 23-Jul-12
 Azimuths to Grid North



Created By Irma Lecumberry Date 11/19/2012