

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
511 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

RECEIVED

DEC 27 2013

NMOCO ARTESIA

Form C-102

Revised August 1, 2011

Submit one copy to appropriate

District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-41157	² Pool Code	³ Pool Name Wildcat; Bone Spring
⁴ Property Code 39749	⁵ Property Name DOC HOLLIDAY 32 STATE COM	⁶ Well Number 3H
⁷ OGRID No. 6137	⁸ Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.	⁹ Elevation 3355.4

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	32	24 S	27 E		150	NORTH	1700	EAST	EDDY

¹¹ Bottom Hole Location If Different From Surface

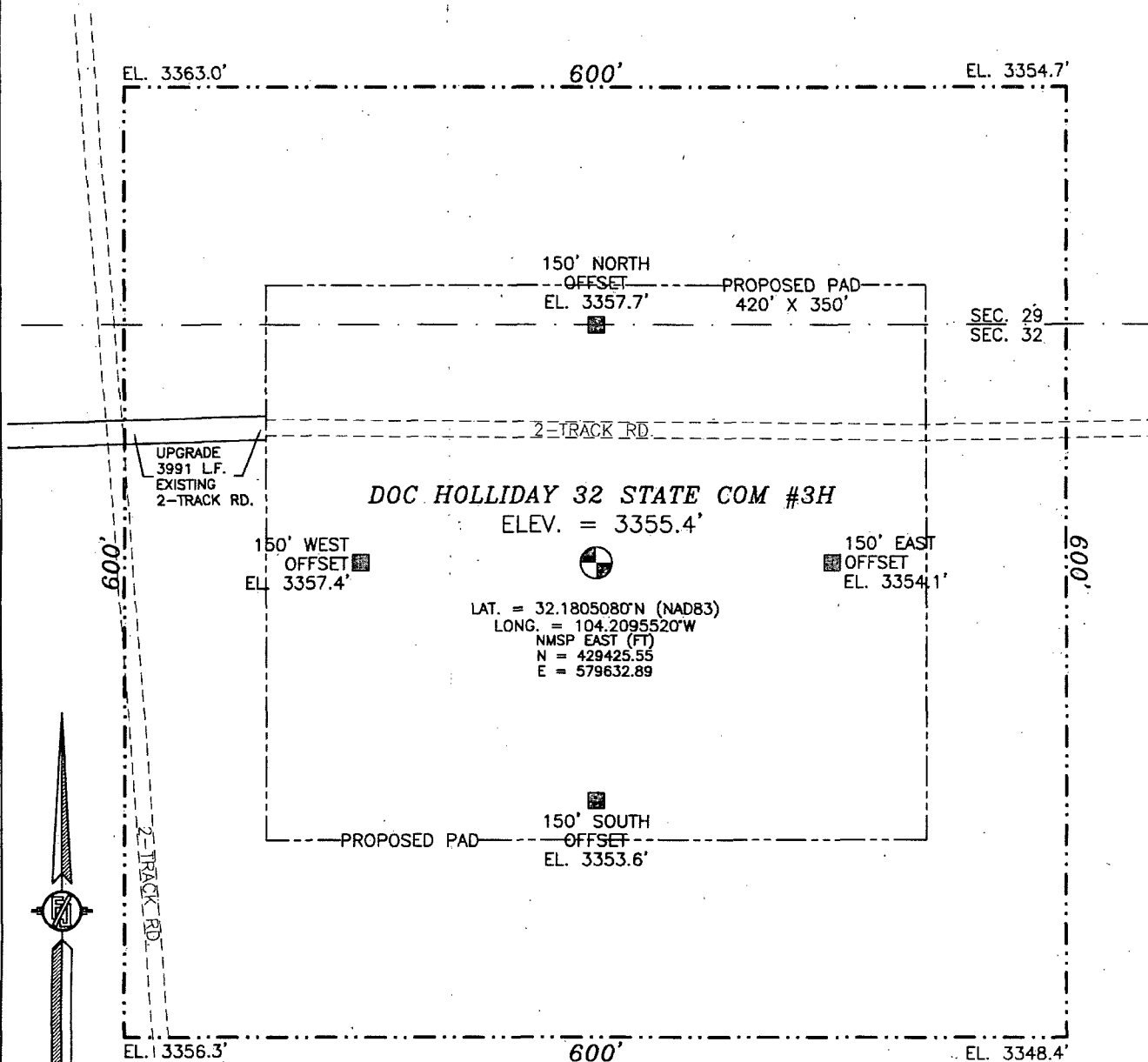
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	32	24 S	27 E		330	SOUTH	1980	EAST	EDDY

¹² Dedicated Acres	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.

N90°00'00"W 2651.29 FT NW CORNER SEC. 32 LAT. = 32.1809310°N LONG. = 104.2211961°W NMSP EAST (FT) N = 429575.49 E = 576030.27 N O CORNER SEC. 32 COMPUTED SURFACE LOCATION DOC HOLLIDAY 32 STATE COM #3H ELEV. = 3355.4 LAT. = 32.1805080°N (NAD83) LONG. = 104.2095520°W NMSP EAST (FT) N = 429425.55 E = 579632.89 NE CORNER SEC. 32 LAT. = 32.1809147°N LONG. = 104.2040567°W NMSP EAST (FT) N = 429575.48 E = 581332.84 1700' W O CORNER SEC. 32 COMPUTED E O CORNER SEC. 32 COMPUTED SW CORNER SEC. 32 LAT. = 32.1663689°N LONG. = 104.2213071°W NMSP EAST (FT) N = 424278.05 E = 576001.44 S O CORNER SEC. 32 LAT. = 32.1663845°N LONG. = 104.2127166°W NMSP EAST (FT) N = 424286.62 E = 578659.57 BOTTOM OF HOLE LAT. = 32.1672940°N LONG. = 104.2105184°W NMSP EAST (FT) N = 424618.23 E = 579339.37 SE CORNER SEC. 32 LAT. = 32.1663933°N LONG. = 104.2041236°W NMSP EAST (FT) N = 424292.91 E = 581318.50 1980' N89°48'55"E 2658.14 FT N89°51'52"E 2658.94 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. Signature: <i>Judith Barnett</i> Date: 2-26-13 Judith Barnett, Regulatory Specialist Printed Name Judith.Barnett@dmv.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. DECEMBER 28 2012 Date of Survey Signature and Seal of Professional Surveyor: <i>Pilimon E. Jaramillo</i> Certificate Number: PILIMON E. JARAMILLO, PLS 12797 Survey No. 1459
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SECTION 32, TOWNSHIP 24 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 CO. RD. 720 (BLACK RIVER VILLAGE) &
CR. RD. 742 (JOHN D. FOREHAND) GO SOUTH ON 742 FOR APPROX.
3.6 MILES. GO EAST ON TWO TRACK ROAD APPROX. 0.6 OF A MILE.
LOCATION IS APPROX. 100' SOUTH.

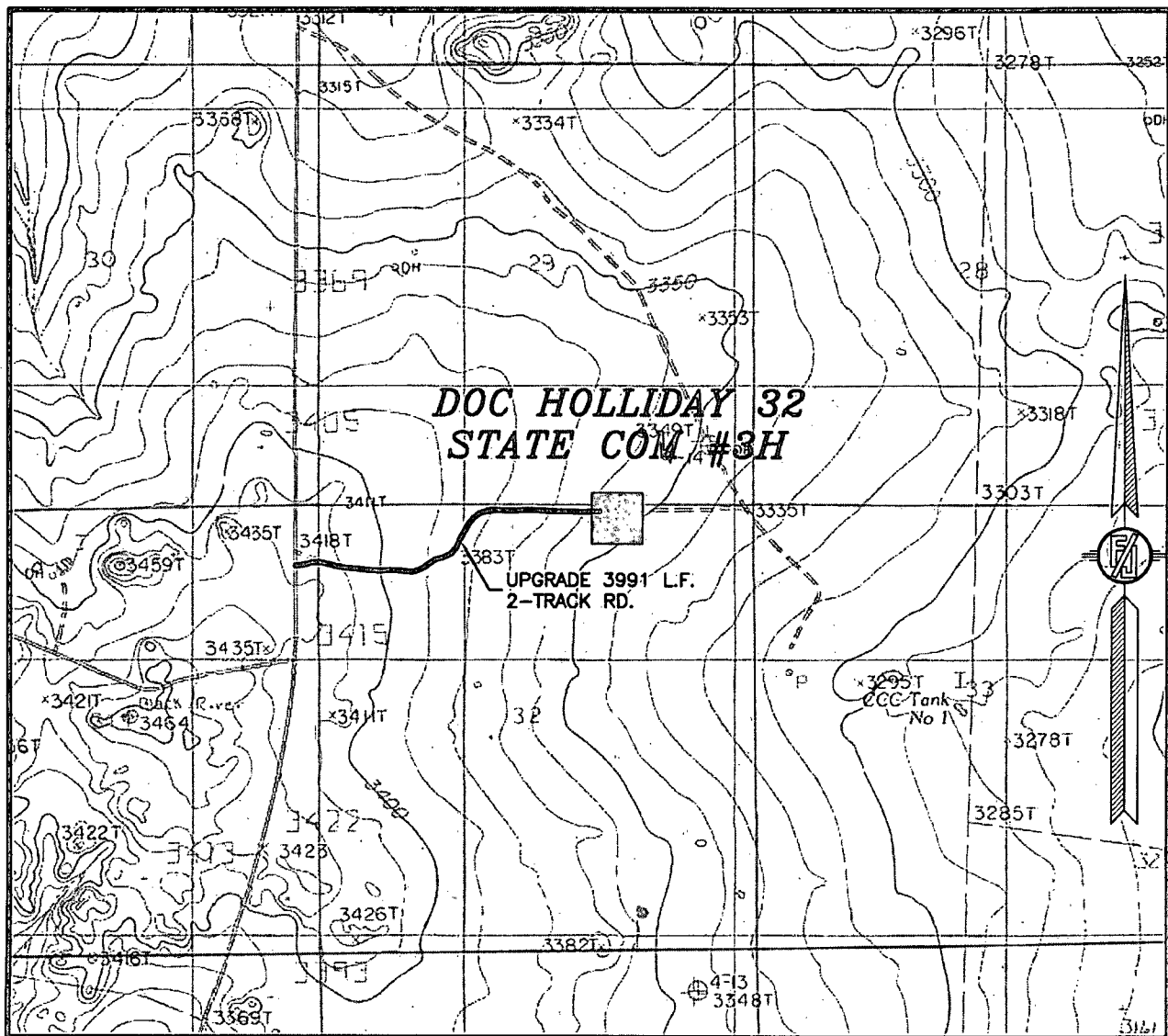
DEVON ENERGY PRODUCTION COMPANY, L.P.
DOC HOLLIDAY 32 STATE COM #3H
LOCATED 150 FT. FROM THE NORTH LINE
AND 1700 FT. FROM THE EAST LINE OF
SECTION 32, TOWNSHIP 24 SOUTH,
RANGE 27 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

DECEMBER 28, 2012

SURVEY NO. 1459

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

SECTION 32, TOWNSHIP 24 SOUTH, RANGE 27 EAST, N.M.P.M.
 EDDY COUNTY, STATE OF NEW MEXICO
 LOCATION VERIFICATION MAP



USGS QUAD MAP:
 BOND DRAW

NOT TO SCALE

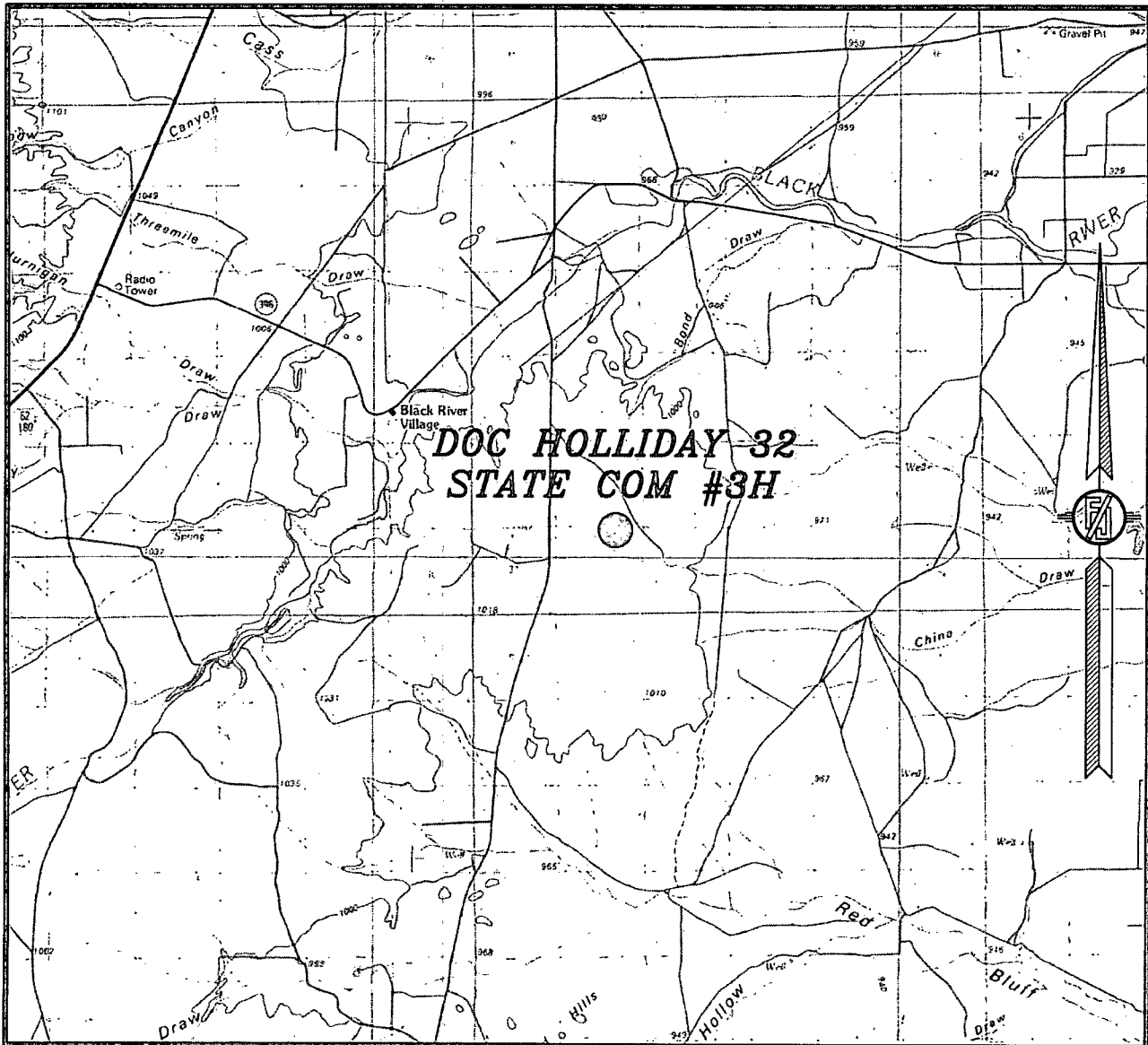
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 RANGE 27 EAST, N.M.P.M.
 EDDY COUNTY, STATE OF NEW MEXICO

DECEMBER 28, 2012

SURVEY NO. 1459

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

SECTION 32, TOWNSHIP 24 SOUTH, RANGE 27 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO
VICINITY MAP



NOT TO SCALE

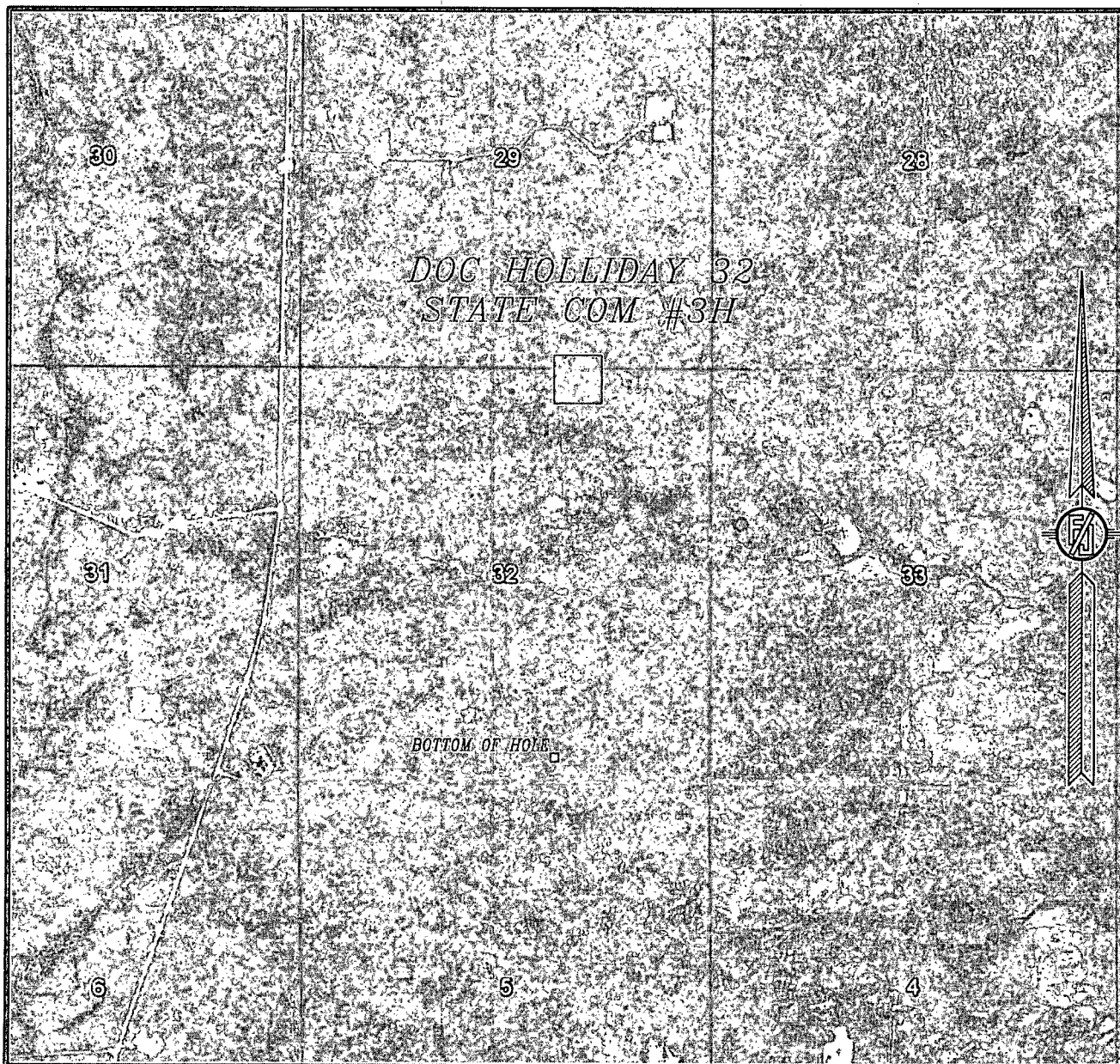
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SECTION 32, TOWNSHIP 24 SOUTH,
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EDDY COUNTY, STATE OF NEW MEXICO

DECEMBER 28, 2012

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

SURVEY NO. 1459

SECTION 32, TOWNSHIP 24 SOUTH, RANGE 27 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.
DOC HOLLIDAY 32 STATE COM #3H
LOCATED 150 FT. FROM THE NORTH LINE
AND 1700 FT. FROM THE EAST LINE OF
SECTION 32, TOWNSHIP 24 SOUTH,
RANGE 27 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

DECEMBER 28, 2012

SURVEY NO. 1459

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

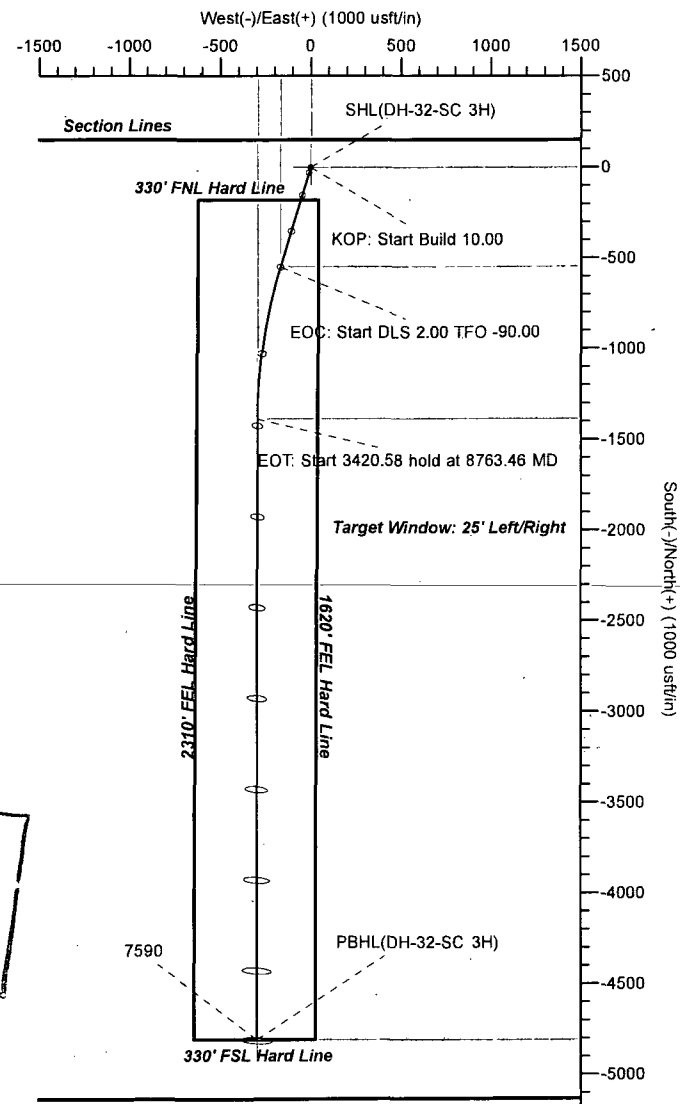
DEVON ENERGY

Project: Eddy County, NM (NAD-83)
 Site: Doc Holiday 32 State Com
 Well: 3H
 Wellbore: OH
 Design: Plan #1



Azimuths to Grid North
 True North: -0.07°
 Magnetic North: 7.60°
 Magnetic Field
 Strength: 48350.7nT
 Dip Angle: 59.99°
 Date: 02/22/2013
 Model: IGRF2010

devon

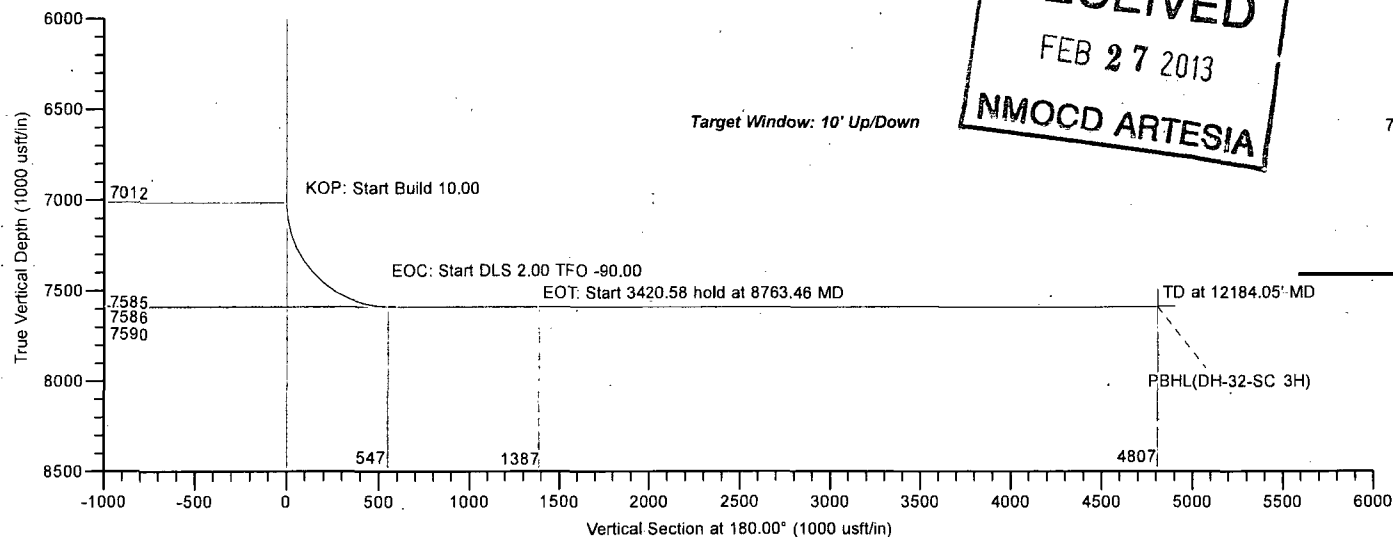


DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
SHL(DH-32-SC 3H)	0.00	0.00	0.00	429425.55	579632.89	32° 10' 49.829 N	104° 12' 34.387 W
PBHL(DH-32-SC 3H)	7590.00	-4807.32	-293.52	424618.23	579339.37	32° 10' 2.258 N	104° 12' 37.866 W

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Annotation
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	7012.04	0.00	0.00	7012.04	0.00	0.00	0.00	0.00	0.00	KOP: Start Build 10.00
3	7911.34	89.93	197.04	7585.00	-547.13	-167.72	10.00	197.04	547.13	EOC: Start DLS 2.00 TFO -90.00
4	8763.46	89.93	180.00	7586.02	-1386.74	-293.52	2.00	-90.00	1386.74	EOT: Start 3420.58 hold at 8763.46 MD
5	12184.05	89.93	180.00	7590.00	-4807.32	-293.52	0.00	0.00	4807.32	TD at 12184.05' MD



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 FEB 27 2013
 NMOCD ARTESIA



LEAM DRILLING SYSTEMS LLC
 2010 East Davis, Conroe, Texas 77301
 Phone: 936/756-7577, Fax 936/756-7595

Plan: Plan #1 (3H/OH)
 Doc Holiday 32 State Com
 Created By: Tyler Carlson Date: 11:42, February 22 2013
 Date: _____
 Approved: _____ Date: _____

LEAM Drilling Systems LLC

Planning Report

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well 3H
Company:	DEVON ENERGY	TVD Reference:	GE 3355' + KB 25' @ 3380.00usft (Permitting)
Project:	Eddy County, NM (NAD-83)	MD Reference:	GE 3355' + KB 25' @ 3380.00usft (Permitting)
Site:	Doc Holiday 32 State Com	North Reference:	Grid
Well:	3H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

Project	Eddy County, NM (NAD-83)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	Doc Holiday 32 State Com		
Site Position:		Northing:	429,425.45 usft
From:	Map	Easting:	576,359.25 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 10' 49.864 N
		Longitude:	104° 13' 12.480 W
		Grid Convergence:	0.06 °

Well	3H					
Well Position	+N/-S	0.10 usft	Northing:	429,425.55 usft	Latitude:	32° 10' 49.829 N
	+E/-W	3,273.64 usft	Easting:	579,632.89 usft	Longitude:	104° 12' 34.387 W
Position Uncertainty		0.00 usft.	Wellhead Elevation:		Ground Level:	3,355.00 usft

Wellbore		OH			
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	02/22/13	7.67	59.99	48,351

Design	Plan #1			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	180.00

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7,012.04	0.00	0.00	7,012.04	0.00	0.00	0.00	0.00	0.00	0.00	
7,911.34	89.93	197.04	7,585.00	-547.13	-167.72	10.00	10.00	0.00	197.04	
8,763.46	89.93	180.00	7,586.02	-1,386.74	-293.52	2.00	0.00	-2.00	-90.00	
12,184.05	89.93	180.00	7,590.00	-4,807.32	-293.52	0.00	0.00	0.00	0.00	PBHL(DH-32-SC 3H)

LEAM Drilling Systems LLC

Planning Report

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well 3H
Company:	DEVON ENERGY	TVD Reference:	GE 3355' + KB 25' @ 3380.00usft (Permitting)
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Site:	Doc Holiday 32 State Com	North Reference:	Grid
Well:	3H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N-S (usft)	+E-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00
2,100.00	0.00	0.00	2,100.00	0.00	0.00	0.00	0.00	0.00	0.00
2,200.00	0.00	0.00	2,200.00	0.00	0.00	0.00	0.00	0.00	0.00
2,300.00	0.00	0.00	2,300.00	0.00	0.00	0.00	0.00	0.00	0.00
2,400.00	0.00	0.00	2,400.00	0.00	0.00	0.00	0.00	0.00	0.00
2,500.00	0.00	0.00	2,500.00	0.00	0.00	0.00	0.00	0.00	0.00
2,600.00	0.00	0.00	2,600.00	0.00	0.00	0.00	0.00	0.00	0.00
2,700.00	0.00	0.00	2,700.00	0.00	0.00	0.00	0.00	0.00	0.00
2,800.00	0.00	0.00	2,800.00	0.00	0.00	0.00	0.00	0.00	0.00
2,900.00	0.00	0.00	2,900.00	0.00	0.00	0.00	0.00	0.00	0.00
3,000.00	0.00	0.00	3,000.00	0.00	0.00	0.00	0.00	0.00	0.00
3,100.00	0.00	0.00	3,100.00	0.00	0.00	0.00	0.00	0.00	0.00
3,200.00	0.00	0.00	3,200.00	0.00	0.00	0.00	0.00	0.00	0.00
3,300.00	0.00	0.00	3,300.00	0.00	0.00	0.00	0.00	0.00	0.00
3,400.00	0.00	0.00	3,400.00	0.00	0.00	0.00	0.00	0.00	0.00
3,500.00	0.00	0.00	3,500.00	0.00	0.00	0.00	0.00	0.00	0.00
3,600.00	0.00	0.00	3,600.00	0.00	0.00	0.00	0.00	0.00	0.00
3,700.00	0.00	0.00	3,700.00	0.00	0.00	0.00	0.00	0.00	0.00
3,800.00	0.00	0.00	3,800.00	0.00	0.00	0.00	0.00	0.00	0.00
3,900.00	0.00	0.00	3,900.00	0.00	0.00	0.00	0.00	0.00	0.00
4,000.00	0.00	0.00	4,000.00	0.00	0.00	0.00	0.00	0.00	0.00
4,100.00	0.00	0.00	4,100.00	0.00	0.00	0.00	0.00	0.00	0.00
4,200.00	0.00	0.00	4,200.00	0.00	0.00	0.00	0.00	0.00	0.00
4,300.00	0.00	0.00	4,300.00	0.00	0.00	0.00	0.00	0.00	0.00
4,400.00	0.00	0.00	4,400.00	0.00	0.00	0.00	0.00	0.00	0.00
4,500.00	0.00	0.00	4,500.00	0.00	0.00	0.00	0.00	0.00	0.00
4,600.00	0.00	0.00	4,600.00	0.00	0.00	0.00	0.00	0.00	0.00
4,700.00	0.00	0.00	4,700.00	0.00	0.00	0.00	0.00	0.00	0.00
4,800.00	0.00	0.00	4,800.00	0.00	0.00	0.00	0.00	0.00	0.00
4,900.00	0.00	0.00	4,900.00	0.00	0.00	0.00	0.00	0.00	0.00
5,000.00	0.00	0.00	5,000.00	0.00	0.00	0.00	0.00	0.00	0.00
5,100.00	0.00	0.00	5,100.00	0.00	0.00	0.00	0.00	0.00	0.00

LEAM Drilling Systems LLC

Planning Report

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well 3H
Company:	DEVON ENERGY	TVD Reference:	GE 3355' + KB 25' @ 3380.00usft (Permitting)
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Wellbore:	OH		
Design:	Plan #1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
5,200.00	0.00	0.00	5,200.00	0.00	0.00	0.00	0.00	0.00	0.00	
5,300.00	0.00	0.00	5,300.00	0.00	0.00	0.00	0.00	0.00	0.00	
5,400.00	0.00	0.00	5,400.00	0.00	0.00	0.00	0.00	0.00	0.00	
5,500.00	0.00	0.00	5,500.00	0.00	0.00	0.00	0.00	0.00	0.00	
5,600.00	0.00	0.00	5,600.00	0.00	0.00	0.00	0.00	0.00	0.00	
5,700.00	0.00	0.00	5,700.00	0.00	0.00	0.00	0.00	0.00	0.00	
5,800.00	0.00	0.00	5,800.00	0.00	0.00	0.00	0.00	0.00	0.00	
5,900.00	0.00	0.00	5,900.00	0.00	0.00	0.00	0.00	0.00	0.00	
6,000.00	0.00	0.00	6,000.00	0.00	0.00	0.00	0.00	0.00	0.00	
6,100.00	0.00	0.00	6,100.00	0.00	0.00	0.00	0.00	0.00	0.00	
6,200.00	0.00	0.00	6,200.00	0.00	0.00	0.00	0.00	0.00	0.00	
6,300.00	0.00	0.00	6,300.00	0.00	0.00	0.00	0.00	0.00	0.00	
6,400.00	0.00	0.00	6,400.00	0.00	0.00	0.00	0.00	0.00	0.00	
6,500.00	0.00	0.00	6,500.00	0.00	0.00	0.00	0.00	0.00	0.00	
6,600.00	0.00	0.00	6,600.00	0.00	0.00	0.00	0.00	0.00	0.00	
6,700.00	0.00	0.00	6,700.00	0.00	0.00	0.00	0.00	0.00	0.00	
6,800.00	0.00	0.00	6,800.00	0.00	0.00	0.00	0.00	0.00	0.00	
6,900.00	0.00	0.00	6,900.00	0.00	0.00	0.00	0.00	0.00	0.00	
7,000.00	0.00	0.00	7,000.00	0.00	0.00	0.00	0.00	0.00	0.00	
7,012.04	0.00	0.00	7,012.04	0.00	0.00	0.00	0.00	0.00	0.00	
KOP: Start Build 10.00										
7,050.00	3.80	197.04	7,049.97	-1.20	-0.37	1.20	10.00	10.00	0.00	
7,100.00	8.80	197.04	7,099.66	-6.44	-1.97	6.44	10.00	10.00	0.00	
7,150.00	13.80	197.04	7,148.67	-15.80	-4.84	15.80	10.00	10.00	0.00	
7,200.00	18.80	197.04	7,196.65	-29.21	-8.95	29.21	10.00	10.00	0.00	
7,250.00	23.80	197.04	7,243.22	-46.57	-14.28	46.57	10.00	10.00	0.00	
7,300.00	28.80	197.04	7,288.03	-67.74	-20.76	67.74	10.00	10.00	0.00	
7,350.00	33.80	197.04	7,330.74	-92.56	-28.37	92.56	10.00	10.00	0.00	
7,400.00	38.80	197.04	7,371.03	-120.85	-37.05	120.85	10.00	10.00	0.00	
7,450.00	43.80	197.04	7,408.58	-152.39	-46.71	152.39	10.00	10.00	0.00	
7,500.00	48.80	197.04	7,443.12	-186.94	-57.30	186.94	10.00	10.00	0.00	
7,550.00	53.80	197.04	7,474.37	-224.23	-68.74	224.23	10.00	10.00	0.00	
7,600.00	58.80	197.04	7,502.11	-263.99	-80.92	263.99	10.00	10.00	0.00	
7,650.00	63.80	197.04	7,526.11	-305.91	-93.77	305.91	10.00	10.00	0.00	
7,700.00	68.80	197.04	7,546.21	-349.66	-107.19	349.66	10.00	10.00	0.00	
7,750.00	73.80	197.04	7,562.24	-394.93	-121.06	394.93	10.00	10.00	0.00	
7,800.00	78.80	197.04	7,574.08	-441.36	-135.29	441.36	10.00	10.00	0.00	
7,850.00	83.80	197.04	7,581.64	-488.60	-149.78	488.60	10.00	10.00	0.00	
7,900.00	88.80	197.04	7,584.87	-536.29	-164.39	536.29	10.00	10.00	0.00	
7,911.34	89.93	197.04	7,585.00	-547.13	-167.72	547.13	10.00	10.00	0.00	
EOC: Start DLS 2.00 TFO -90.00										
8,000.00	89.93	195.27	7,585.11	-632.28	-192.39	632.28	2.00	0.00	-2.00	
8,100.00	89.93	193.27	7,585.23	-729.19	-217.03	729.19	2.00	0.00	-2.00	
8,200.00	89.93	191.27	7,585.35	-826.90	-238.28	826.90	2.00	0.00	-2.00	
8,300.00	89.93	189.27	7,585.47	-925.30	-256.11	925.30	2.00	0.00	-2.00	
8,400.00	89.93	187.27	7,585.59	-1,024.25	-270.49	1,024.25	2.00	0.00	-2.00	
8,500.00	89.93	185.27	7,585.71	-1,123.65	-281.41	1,123.65	2.00	0.00	-2.00	
8,600.00	89.93	183.27	7,585.83	-1,223.36	-288.85	1,223.36	2.00	0.00	-2.00	
8,700.00	89.93	181.27	7,585.95	-1,323.28	-292.81	1,323.28	2.00	0.00	-2.00	
8,763.46	89.93	180.00	7,586.02	-1,386.74	-293.52	1,386.74	2.00	0.00	-2.00	
EOT: Start 3420.58 hold at 8763.46 MD										

LEAM Drilling Systems LLC

Planning Report

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well 3H
Company:	DEVON ENERGY	TVD Reference:	GE 3355' + KB 25' @ 3380.00usft (Permitting)
Project:	Eddy County, NM (NAD-83)	MD Reference:	GE 3355' + KB 25' @ 3380.00usft (Permitting)
Site:	Doc Holiday 32 State Com	North Reference:	Grid
Well:	3H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
8,800.00	89.93	180.00	7,586.07	-1,423.28	-293.52	1,423.28	0.00	0.00	0.00
8,900.00	89.93	180.00	7,586.18	-1,523.28	-293.52	1,523.28	0.00	0.00	0.00
9,000.00	89.93	180.00	7,586.30	-1,623.28	-293.52	1,623.28	0.00	0.00	0.00
9,100.00	89.93	180.00	7,586.41	-1,723.28	-293.52	1,723.28	0.00	0.00	0.00
9,200.00	89.93	180.00	7,586.53	-1,823.28	-293.52	1,823.28	0.00	0.00	0.00
9,300.00	89.93	180.00	7,586.65	-1,923.28	-293.52	1,923.28	0.00	0.00	0.00
9,400.00	89.93	180.00	7,586.76	-2,023.28	-293.52	2,023.28	0.00	0.00	0.00
9,500.00	89.93	180.00	7,586.88	-2,123.28	-293.52	2,123.28	0.00	0.00	0.00
9,600.00	89.93	180.00	7,587.00	-2,223.28	-293.52	2,223.28	0.00	0.00	0.00
9,700.00	89.93	180.00	7,587.11	-2,323.28	-293.52	2,323.28	0.00	0.00	0.00
9,800.00	89.93	180.00	7,587.23	-2,423.28	-293.52	2,423.28	0.00	0.00	0.00
9,900.00	89.93	180.00	7,587.34	-2,523.28	-293.52	2,523.28	0.00	0.00	0.00
10,000.00	89.93	180.00	7,587.46	-2,623.28	-293.52	2,623.28	0.00	0.00	0.00
10,100.00	89.93	180.00	7,587.58	-2,723.28	-293.52	2,723.28	0.00	0.00	0.00
10,200.00	89.93	180.00	7,587.69	-2,823.28	-293.52	2,823.28	0.00	0.00	0.00
10,300.00	89.93	180.00	7,587.81	-2,923.27	-293.52	2,923.27	0.00	0.00	0.00
10,400.00	89.93	180.00	7,587.93	-3,023.27	-293.52	3,023.27	0.00	0.00	0.00
10,500.00	89.93	180.00	7,588.04	-3,123.27	-293.52	3,123.27	0.00	0.00	0.00
10,600.00	89.93	180.00	7,588.16	-3,223.27	-293.52	3,223.27	0.00	0.00	0.00
10,700.00	89.93	180.00	7,588.27	-3,323.27	-293.52	3,323.27	0.00	0.00	0.00
10,800.00	89.93	180.00	7,588.39	-3,423.27	-293.52	3,423.27	0.00	0.00	0.00
10,900.00	89.93	180.00	7,588.51	-3,523.27	-293.52	3,523.27	0.00	0.00	0.00
11,000.00	89.93	180.00	7,588.62	-3,623.27	-293.52	3,623.27	0.00	0.00	0.00
11,100.00	89.93	180.00	7,588.74	-3,723.27	-293.52	3,723.27	0.00	0.00	0.00
11,200.00	89.93	180.00	7,588.86	-3,823.27	-293.52	3,823.27	0.00	0.00	0.00
11,300.00	89.93	180.00	7,588.97	-3,923.27	-293.52	3,923.27	0.00	0.00	0.00
11,400.00	89.93	180.00	7,589.09	-4,023.27	-293.52	4,023.27	0.00	0.00	0.00
11,500.00	89.93	180.00	7,589.20	-4,123.27	-293.52	4,123.27	0.00	0.00	0.00
11,600.00	89.93	180.00	7,589.32	-4,223.27	-293.52	4,223.27	0.00	0.00	0.00
11,700.00	89.93	180.00	7,589.44	-4,323.27	-293.52	4,323.27	0.00	0.00	0.00
11,800.00	89.93	180.00	7,589.55	-4,423.27	-293.52	4,423.27	0.00	0.00	0.00
11,900.00	89.93	180.00	7,589.67	-4,523.27	-293.52	4,523.27	0.00	0.00	0.00
12,000.00	89.93	180.00	7,589.79	-4,623.27	-293.52	4,623.27	0.00	0.00	0.00
12,100.00	89.93	180.00	7,589.90	-4,723.27	-293.52	4,723.27	0.00	0.00	0.00
12,184.05	89.93	180.00	7,590.00	-4,807.32	-293.52	4,807.32	0.00	0.00	0.00
TD at 12184.05' MD									

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
SHL(DH-32-SC 3H) - hit/miss target - Shape - Point	0.00	0.00	0.00	0.00	0.00	429,425.55	579,632.89	32° 10' 49.829 N	104° 12' 34.387 W
PBHL(DH-32-SC 3H) - plan hits target center - Point	0.00	0.00	7,590.00	-4,807.32	-293.52	424,618.23	579,339.37	32° 10' 2.258 N	104° 12' 37.866 W

LEAM Drilling Systems LLC

Planning Report

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well 3H
Company:	DEVON ENERGY	TVD Reference:	GE 3355' + KB 25' @ 3380.00usft (Permitting)
Project:	Eddy County, NM (NAD-83)	MD Reference:	GE 3355' + KB 25' @ 3380.00usft (Permitting)
Site:	Doc Holiday 32 State Com	North Reference:	Grid
Well:	3H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
7,012.04	7,012.04	0.00	0.00	KOP: Start Build 10.00
7,911.34	7,585.00	-547.13	-167.72	EOC: Start DLS 2.00 TFO -90.00
8,763.46	7,586.02	-1,386.74	-293.52	EOT: Start 3420.58 hold at 8763.46 MD
12,184.05	7,590.00	-4,807.32	-293.52	TD at 12184.05' MD