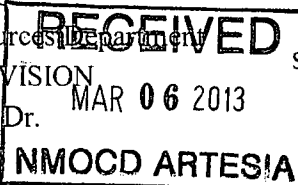


District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis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

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



Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office
☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-41172 97837	² Pool Code WILDCAT	³ Pool Name Wildcat, Bone Spring
⁴ Property Code 39709	⁵ Property Name JOSEY WALES 16 STATE COM	
⁷ OGRID No. 6137	⁸ Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.	⁶ Well Number 4H
		⁹ Elevation 3205.5

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
P	16	24 S	27 E		150	SOUTH	990	EAST	EDDY

¹¹ Bottom Hole Location If Different From Surface

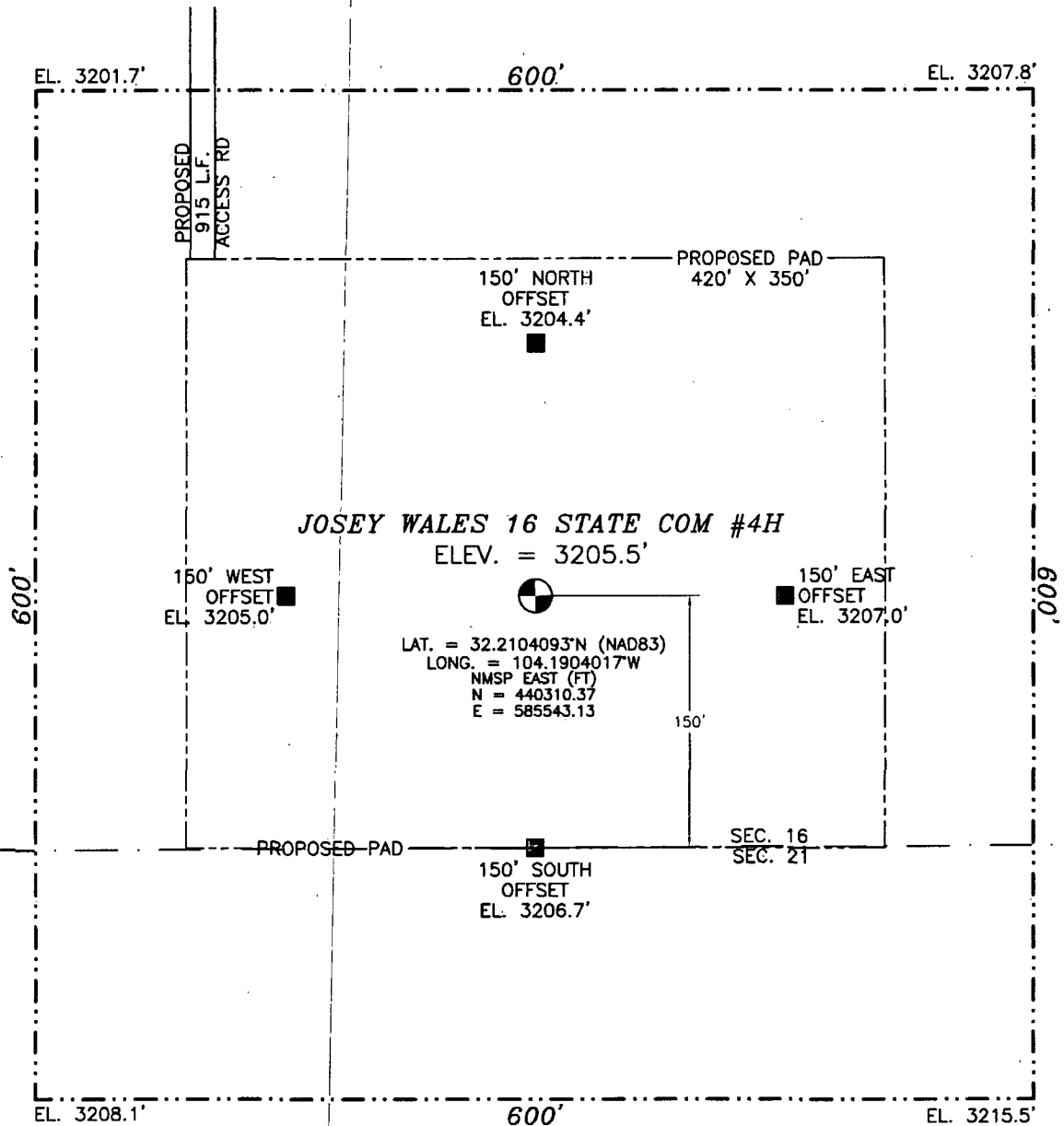
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	16	24 S	27 E		330	NORTH	660	EAST	EDDY

¹² Dedicated Acres 160	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.

S89°40'46"W 2618.04 FT NW CORNER SEC. 16 LAT. = 32.2244881°N LONG. = 104.2040622°W NMSP EAST (FT) N = 445426.64 E = 581312.08 W O CORNER SEC. 16 LAT. = 32.2172582°N LONG. = 104.2040893°W NMSP EAST (FT) N = 442796.50 E = 581306.85 SW CORNER SEC. 16 LAT. = 32.2099570°N LONG. = 104.2040336°W NMSP EAST (FT) N = 440140.51 E = 581327.30 N89°43'46"E 2603.29 FT		S89°40'46"W 2618.04 FT N O CORNER SEC. 16 COMPUTED BOTTOM OF HOLE LAT. = 32.2236390°N LONG. = 104.1892686°W NMSP EAST (FT) N = 445123.55 E = 585887.13 NE CORNER SEC. 16 LAT. = 32.2245502°N LONG. = 104.1871339°W NMSP EAST (FT) N = 445455.93 E = 586546.81 E O CORNER SEC. 16 LAT. = 32.2172219°N LONG. = 104.1871710°W NMSP EAST (FT) N = 442790.03 E = 586538.95 SE CORNER SEC. 16 LAT. = 32.2100062°N LONG. = 104.1872032°W NMSP EAST (FT) N = 440165.08 E = 586532.56 S O CORNER SEC. 16 COMPUTED N89°43'46"E 2603.26 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 released 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> 3/5/13 Signature Date Judy A. Barnett, Regulatory Specialist Printed Name Judith.Barnett@dvn.com E-mail Address ¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. FEBRUARY 27, 2013 Date of Survey <i>Filimon E. Jaramillo</i> Signature and Seal of Professional Surveyor Certificate Number: FILIMON E. JARAMILLO, PLS 12797 SURVEY NO. 1436A
---	--	---	--	--

SECTION 16, TOWNSHIP 24 SOUTH, RANGE 27 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO



0 10 50 100 200
SCALE 1" = 100'

DIRECTIONS TO LOCATION

FROM THE INTERSECTION OF CO. RD. 742 (JOHN D. FOREHAND) & CO. RD. 720 (BLACK RIVER VILLAGE) GO EAST ON CO. RD. 720 FOR APPROX. 4 MILES. GO SOUTH-SW ON MAIN LEASE ROAD FOR APPROX. 2.2 MILES. FOLLOW ROAD LATHS APPROX. 1400' CROSS COUNTRY TO DIM TWO TRACK ROAD. CONTINUE SW ON DIM TWO TRACK ROAD FOR APPROX. 800'. LOCATION IS APPROX. 400' SOUTH.

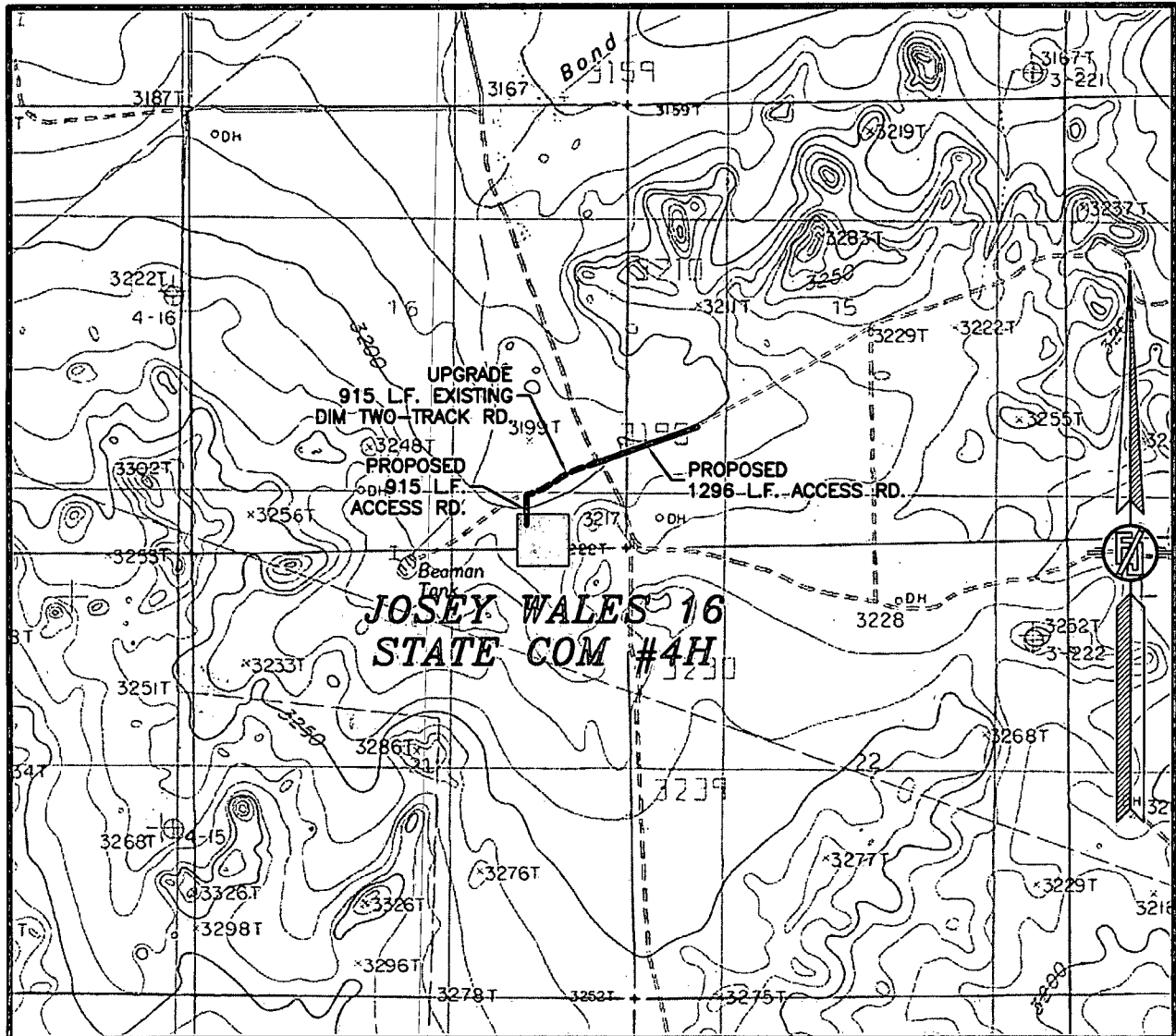
DEVON ENERGY PRODUCTION COMPANY, L.P.
JOSEY WALES 16 STATE COM #4H
LOCATED 150 FT. FROM THE SOUTH LINE
AND 990 FT. FROM THE EAST LINE OF
SECTION 16, TOWNSHIP 24 SOUTH,
RANGE 27 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

FEBRUARY 27, 2013

SURVEY NO. 1456A

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

SECTION 16, TOWNSHIP 24 SOUTH, RANGE 27 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO
LOCATION VERIFICATION MAP



USGS QUAD MAP:
BOND DRAW

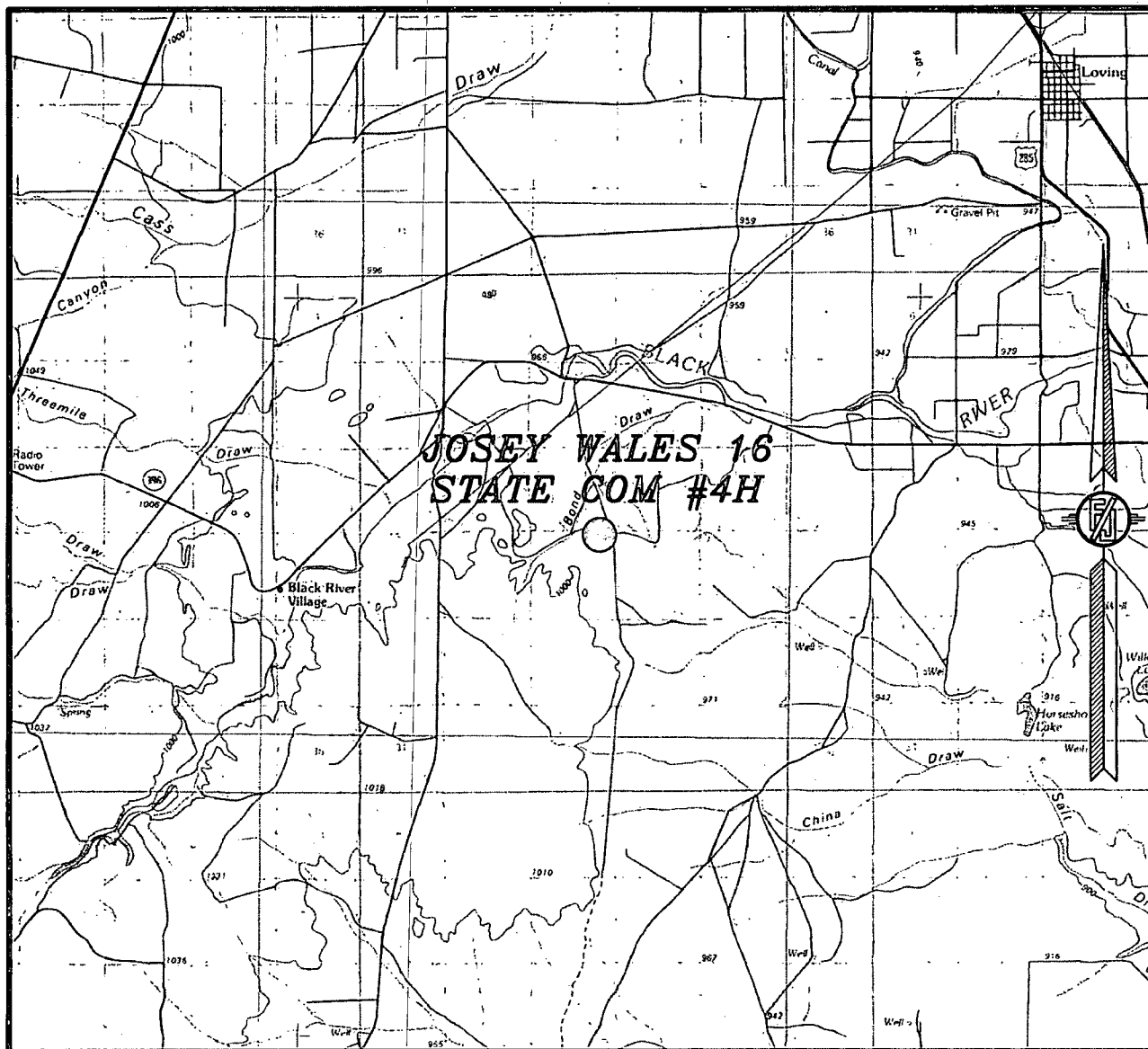
NOT TO SCALE

DEVON ENERGY PRODUCTION COMPANY, L.P.
JOSEY WALES 16 STATE COM #4H
LOCATED 150 FT. FROM THE SOUTH LINE
AND 990 FT. FROM THE EAST LINE OF
SECTION 16, TOWNSHIP 24 SOUTH,
RANGE 27 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

FEBRUARY 27, 2013

MADRON SURVEYING, INC. 301 SOUTH CANAL CARLSBAD, NEW MEXICO
(575) 234-3341 SURVEY NO. 1456A

SECTION 16, TOWNSHIP 24 SOUTH, RANGE 27 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO
VICINITY MAP



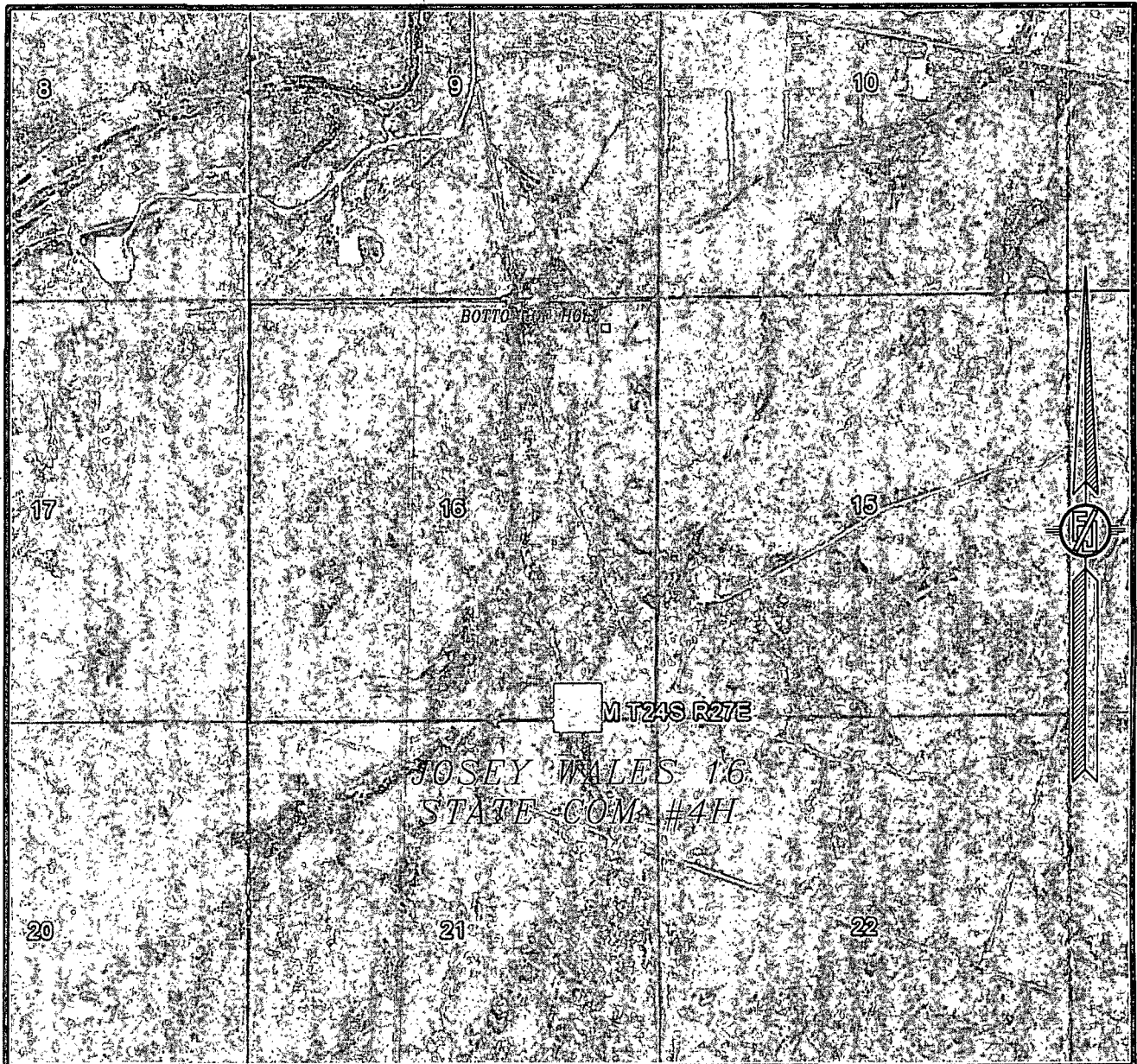
NOT TO SCALE

DEVON ENERGY PRODUCTION COMPANY, L.P.
JOSEY WALES 16 STATE COM #4H
LOCATED 150 FT. FROM THE SOUTH LINE
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RANGE 27 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

FEBRUARY 27, 2013

MADRON SURVEYING, INC. 301 SOUTH CANAL CARLSBAD, NEW MEXICO
(575) 234-3341 SURVEY NO. 1456A

SECTION 16, 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.
JOSEY WALES 16 STATE COM #4H
LOCATED 150 FT. FROM THE SOUTH LINE
AND 990 FT. FROM THE EAST LINE OF
SECTION 16, TOWNSHIP 24 SOUTH,
RANGE 27 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

FEBRUARY 27, 2013

SURVEY NO. 1456A

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

DEVON ENERGY

Project: Eddy County, NM (NAD-83).
 Site: Josey Wales 16 State Com
 Well: 4H
 Wellbore: OH
 Design: Plan #1



Azimuths to Grid North
 True North: -0.08°
 Magnetic North: 7.59°
 Magnetic Field
 Strength: 48376.9snT
 Dip Angle: 60.03°
 Date: 02/04/2013
 Model: IGRF2010

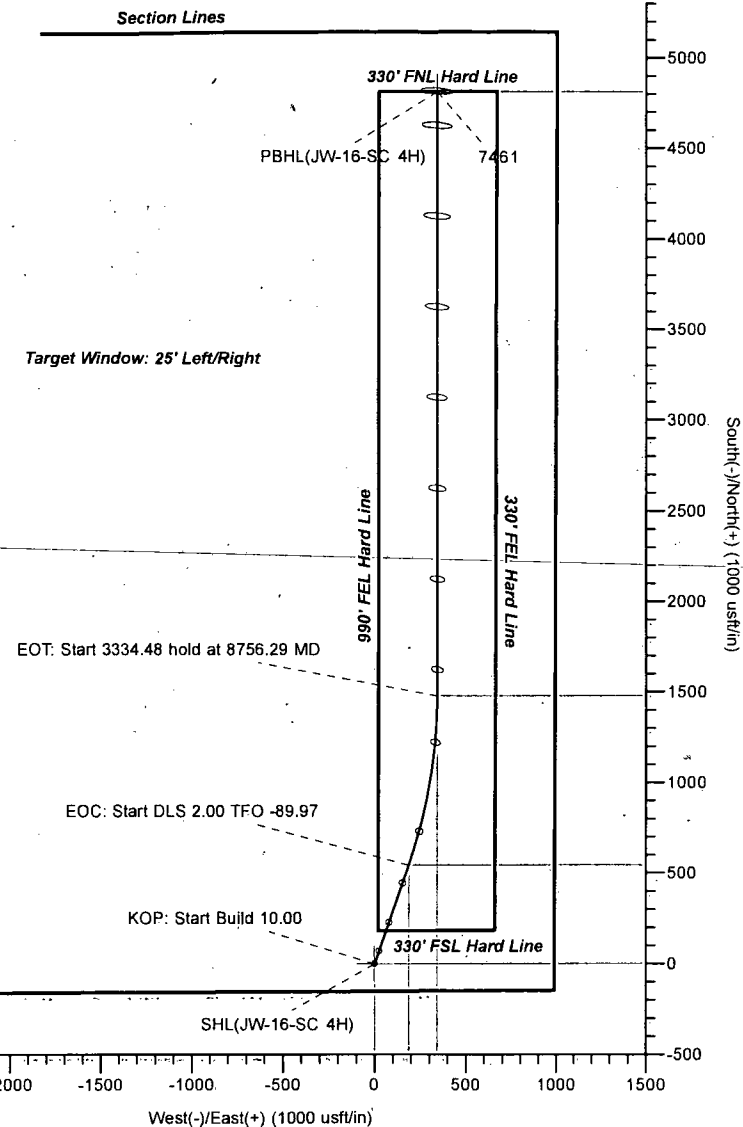
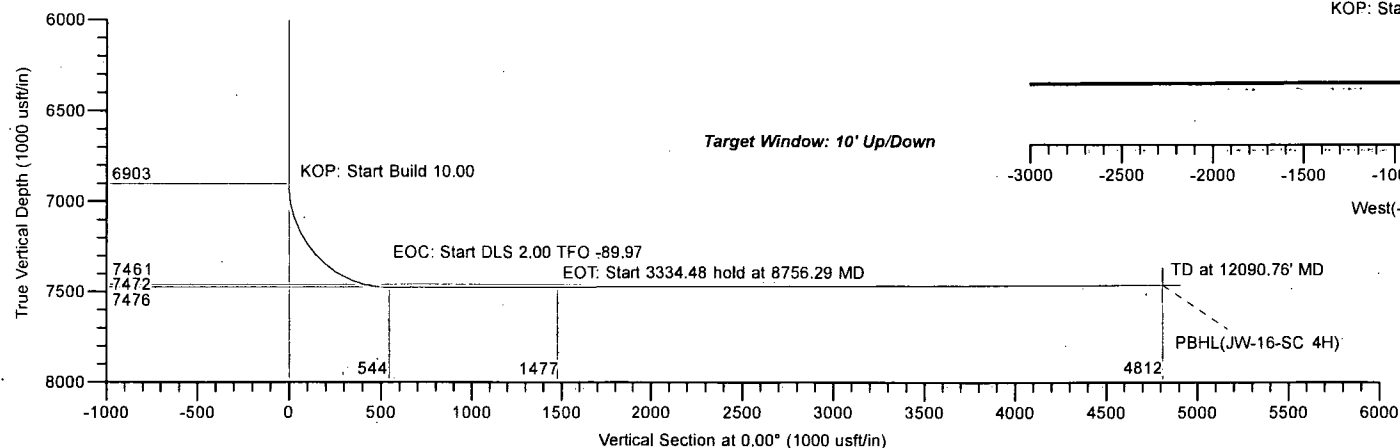
devon

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
SHL(JW-16-SC 4H)	0.00	0.00	0.00	440310.37	585543.1332	12° 37.473 N	104° 11' 25.446 W
PBHL(JW-16-SC 4H)	7461.00	4811.86	343.91	445122.23	585887.0432	13° 25.087 N	104° 11' 21.368 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	6903.04	0.00	0.00	6903.04	0.00	0.00	0.00	0.00	0.00	KOP: Start Build 10.00
3	7805.04	90.20	19.02	7476.00	543.55	187.43	10.00	19.02	543.55	EOC: Start DLS 2.00 TFO -89.97
4	8756.29	90.20	360.00	7472.64	1477.41	343.91	2.00	-89.97	1477.41	EOT: Start 3334.48 hold at 8756.29 MD
5	12090.76	90.20	360.00	7461.00	4811.86	343.91	0.00	0.00	4811.86	TD at 12090.76' MD



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

Plan: Plan #1 (4H/OH)
 Josey Wales 16 State Com
 Created By: Tyler Carlson Date: 8:50, February 04 2013
 Date: _____
 Approved: _____ Date: _____

Planning Report

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	
6,903.04	0.00	0.00	6,903.04	0.00	0.00	0.00	0.00	0.00	0.00	
7,805.04	90.20	19.03	7,476.00	543.55	187.43	10.00	10.00	0.00	19.03	
8,756.29	90.20	360.00	7,472.64	1,477.41	343.91	2.00	0.00	-2.00	-89.97	
12,090.76	90.20	360.00	7,461.00	4,811.86	343.91	0.00	0.00	0.00	0.00	PBHL(JW-16-SC 4H)

LEAM Drilling Systems LLC

Planning Report

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well 4H
Company:	DEVON ENERGY	TVD Reference:	GE 3206' + KB 25' @ 3231.00usft (Original Well Elev)
Project:	Eddy County, NM (NAD-83)	MD Reference:	GE 3206' + KB 25' @ 3231.00usft (Original Well Elev)
Site:	Josey-Wales 16 State Com	North Reference:	Grid
Well:	4H	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 4H
Company:	DEVON ENERGY	TVD Reference:	GE 3206' + KB 25' @ 3231.00usft (Original Well Elev)
Project:	Eddy County, NM (NAD-83)	MD Reference:	GE 3206' + KB 25' @ 3231.00usft (Original Well Elev)
Site:	Josey Wales 16 State Com	North Reference:	Grid
Well:	4H	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)
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
6,903.04	0.00	0.00	6,903.04	0.00	0.00	0.00	0.00	0.00	0.00
KOP: Start Build 10.00									
6,950.00	4.70	19.03	6,949.95	1.82	0.63	1.82	10.00	10.00	0.00
7,000.00	9.70	19.03	6,999.54	7.74	2.67	7.74	10.00	10.00	0.00
7,050.00	14.70	19.03	7,048.39	17.72	6.11	17.72	10.00	10.00	0.00
7,100.00	19.70	19.03	7,096.14	31.69	10.93	31.69	10.00	10.00	0.00
7,150.00	24.70	19.03	7,142.42	49.54	17.08	49.54	10.00	10.00	0.00
7,200.00	29.70	19.03	7,186.88	71.14	24.53	71.14	10.00	10.00	0.00
7,250.00	34.70	19.03	7,229.18	96.31	33.21	96.31	10.00	10.00	0.00
7,300.00	39.70	19.03	7,269.00	124.88	43.06	124.88	10.00	10.00	0.00
7,350.00	44.70	19.03	7,306.03	156.62	54.01	156.62	10.00	10.00	0.00
7,400.00	49.70	19.03	7,339.99	191.29	65.96	191.29	10.00	10.00	0.00
7,450.00	54.70	19.03	7,370.63	228.63	78.83	228.63	10.00	10.00	0.00
7,500.00	59.70	19.03	7,397.71	268.34	92.53	268.34	10.00	10.00	0.00
7,550.00	64.70	19.03	7,421.03	310.14	106.94	310.14	10.00	10.00	0.00
7,600.00	69.70	19.03	7,440.40	353.70	121.96	353.70	10.00	10.00	0.00
7,650.00	74.70	19.03	7,455.68	398.69	137.48	398.69	10.00	10.00	0.00
7,700.00	79.70	19.03	7,466.76	444.77	153.36	444.77	10.00	10.00	0.00
7,750.00	84.70	19.03	7,473.55	491.59	169.51	491.59	10.00	10.00	0.00
7,800.00	89.70	19.03	7,475.99	538.78	185.78	538.78	10.00	10.00	0.00
7,805.04	90.20	19.03	7,476.00	543.55	187.43	543.55	10.00	10.00	0.00
EOC: Start DLS 2.00 TFO -89.97									
7,900.00	90.20	17.13	7,475.66	633.82	216.89	633.82	2.00	0.00	-2.00
8,000.00	90.20	15.13	7,475.31	729.88	244.66	729.88	2.00	0.00	-2.00
8,100.00	90.20	13.13	7,474.96	826.85	269.06	826.85	2.00	0.00	-2.00
8,200.00	90.20	11.13	7,474.61	924.61	290.07	924.61	2.00	0.00	-2.00
8,300.00	90.20	9.13	7,474.25	1,023.05	307.65	1,023.05	2.00	0.00	-2.00
8,400.00	90.20	7.13	7,473.90	1,122.04	321.78	1,122.04	2.00	0.00	-2.00
8,500.00	90.20	5.13	7,473.55	1,221.46	332.45	1,221.46	2.00	0.00	-2.00
8,600.00	90.20	3.13	7,473.19	1,321.20	339.65	1,321.20	2.00	0.00	-2.00
8,700.00	90.20	1.13	7,472.84	1,421.12	343.36	1,421.12	2.00	0.00	-2.00
8,756.29	90.20	360.00	7,472.64	1,477.41	343.91	1,477.41	2.00	0.00	-2.00
EOT: Start 3334.48 hold at 8756.29 MD									
8,800.00	90.20	360.00	7,472.49	1,521.12	343.91	1,521.12	0.00	0.00	0.00

LEAM Drilling Systems LLC

Planning Report

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well 4H
Company:	DEVON ENERGY	TVD Reference:	GE 3206' + KB 25' @ 3231.00usft (Original Well Elev)
Project:	Eddy County, NM (NAD-83)	MD Reference:	GE 3206' + KB 25' @ 3231.00usft (Original Well Elev)
Site:	Josey Wales 16 State Com	North Reference:	Grid
Well:	4H	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)
8,900.00	90.20	360.00	7,472.14	1,621.12	343.91	1,621.12	0.00	0.00	0.00
9,000.00	90.20	360.00	7,471.79	1,721.12	343.91	1,721.12	0.00	0.00	0.00
9,100.00	90.20	360.00	7,471.44	1,821.12	343.91	1,821.12	0.00	0.00	0.00
9,200.00	90.20	360.00	7,471.10	1,921.12	343.91	1,921.12	0.00	0.00	0.00
9,300.00	90.20	360.00	7,470.75	2,021.12	343.91	2,021.12	0.00	0.00	0.00
9,400.00	90.20	360.00	7,470.40	2,121.12	343.91	2,121.12	0.00	0.00	0.00
9,500.00	90.20	360.00	7,470.05	2,221.12	343.91	2,221.12	0.00	0.00	0.00
9,600.00	90.20	360.00	7,469.70	2,321.11	343.91	2,321.11	0.00	0.00	0.00
9,700.00	90.20	360.00	7,469.35	2,421.11	343.91	2,421.11	0.00	0.00	0.00
9,800.00	90.20	360.00	7,469.00	2,521.11	343.91	2,521.11	0.00	0.00	0.00
9,900.00	90.20	360.00	7,468.65	2,621.11	343.91	2,621.11	0.00	0.00	0.00
10,000.00	90.20	360.00	7,468.30	2,721.11	343.91	2,721.11	0.00	0.00	0.00
10,100.00	90.20	360.00	7,467.95	2,821.11	343.91	2,821.11	0.00	0.00	0.00
10,200.00	90.20	360.00	7,467.60	2,921.11	343.91	2,921.11	0.00	0.00	0.00
10,300.00	90.20	360.00	7,467.25	3,021.11	343.91	3,021.11	0.00	0.00	0.00
10,400.00	90.20	360.00	7,466.90	3,121.11	343.91	3,121.11	0.00	0.00	0.00
10,500.00	90.20	360.00	7,466.56	3,221.11	343.91	3,221.11	0.00	0.00	0.00
10,600.00	90.20	360.00	7,466.21	3,321.11	343.91	3,321.11	0.00	0.00	0.00
10,700.00	90.20	360.00	7,465.86	3,421.11	343.91	3,421.11	0.00	0.00	0.00
10,800.00	90.20	360.00	7,465.51	3,521.11	343.91	3,521.11	0.00	0.00	0.00
10,900.00	90.20	360.00	7,465.16	3,621.11	343.91	3,621.11	0.00	0.00	0.00
11,000.00	90.20	360.00	7,464.81	3,721.11	343.91	3,721.11	0.00	0.00	0.00
11,100.00	90.20	360.00	7,464.46	3,821.11	343.91	3,821.11	0.00	0.00	0.00
11,200.00	90.20	360.00	7,464.11	3,921.10	343.91	3,921.10	0.00	0.00	0.00
11,300.00	90.20	360.00	7,463.76	4,021.10	343.91	4,021.10	0.00	0.00	0.00
11,400.00	90.20	360.00	7,463.41	4,121.10	343.91	4,121.10	0.00	0.00	0.00
11,500.00	90.20	360.00	7,463.06	4,221.10	343.91	4,221.10	0.00	0.00	0.00
11,600.00	90.20	360.00	7,462.71	4,321.10	343.91	4,321.10	0.00	0.00	0.00
11,700.00	90.20	360.00	7,462.36	4,421.10	343.91	4,421.10	0.00	0.00	0.00
11,800.00	90.20	360.00	7,462.02	4,521.10	343.91	4,521.10	0.00	0.00	0.00
11,900.00	90.20	360.00	7,461.67	4,621.10	343.91	4,621.10	0.00	0.00	0.00
12,000.00	90.20	360.00	7,461.32	4,721.10	343.91	4,721.10	0.00	0.00	0.00
12,090.76	90.20	360.00	7,461.00	4,811.86	343.91	4,811.86	0.00	0.00	0.00
TD at 12090.76' MD									

Design Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- hit/miss target									
- Shape									
SHL(JW-16-SC 4H)	0.00	0.00	0.00	0.00	0.00	440,310.37	585,543.13	32° 12' 37.473 N	104° 11' 25.446 W
- plan hits target center									
- Point									
PBHL(JW-16-SC 4H)	0.00	0.00	7,461.00	4,811.86	343.91	445,122.23	585,887.04	32° 13' 25.087 N	104° 11' 21.368 W
- plan hits target center									
- Point									

LEAM Drilling Systems LLC

Planning Report

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well 4H
Company:	DEVON ENERGY	TVD Reference:	GE 3206' + KB 25' @ 3231.00usft (Original Well Elev)
Project:	Eddy County, NM (NAD-83)	MD Reference:	GE 3206' + KB 25' @ 3231.00usft (Original Well Elev)
Site:	Josey Wales 16 State Com	North Reference:	Grid
Well:	4H	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)	
	6,903.04	6,903.04	0.00	0.00	KOP: Start Build 10.00
	7,805.04	7,476.00	543.55	187.43	EOC: Start DLS 2.00 TFO -89.97
	8,756.29	7,472.64	1,477.41	343.91	EOT: Start 3334.48 hold at 8756.29 MD
	12,090.76	7,461.00	4,811.86	343.91	TD at 12090.76' MD