

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

☐ AMENDED REPORT

¹ API Number 30-015-41090	² Pool Code 98004	³ Pool Name Black River, Wolfcamp, North
⁴ Property Code 39709	⁵ Property Name JOSEY WALES 16 STATE COM	⁶ Well Number 3H
⁷ OGRID No. 6137	⁸ Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.	⁹ Elevation 3206.4

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
O	16	24 S	27 E		150	SOUTH	1980	EAST	EDDY

U/L or lot no. B	Section 16	Township 24 S	Range 27 E	Lot Idn	Feet from the 330	North/South line NORTH	Feet from the 1980	East/West line EAST	County EDDY
¹² Dedicated Acres 160	¹³ Joint or Infill	¹⁴ Consolidation Code		¹⁵ Order No.					

S89°40'46"W 2613.04 FT		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	N O CORNER SEC. 16 COMPUTED BOTTOM OF HOLE 330' BOTTOM OF HOLE LAT. = 32.2236235°N LONG. = 104.1935373°W NMSP EAST (FT) N = 445116.17 E = 584567.10	1980' NE CORNER SEC. 16 LAT. = 32.2245502°N LONG. = 104.1871339°W NMSP EAST (FT) N = 445455.93 E = 586546.81	00°06'50"W 2630.79 FT
W O CORNER SEC. 16 LAT. = 32.2172582°N LONG. = 104.2040893°W NMSP EAST (FT) N = 442796.50 E = 581306.85	JOSEY WALKS 16 STATE COM #3H ELEV. = 3206.4' LAT. = 32.2104000°N (NAD83) LONG. = 104.1936020°W NMSP EAST (FT) N = 440305.70 E = 584553.36	E O CORNER SEC. 16 LAT. = 32.2172219°N LONG. = 104.1871710°W NMSP EAST (FT) N = 442790.03 E = 586538.95	00°10'08"E 2666.56 FT
SW CORNER SEC. 16 LAT. = 32.2099570°N LONG. = 104.2040336°W NMSP EAST (FT) N = 440140.51 E = 581327.30	SURFACE LOCATION 150' S O CORNER SEC. 16 COMPUTED	1980' SE CORNER SEC. 16 LAT. = 32.2100062°N LONG. = 104.1872032°W NMSP EAST (FT) N = 440165.08 E = 586532.56	00°08'22"E 2625.60 FT
N89°43'46"E 2603.29 FT		N89°43'46"E 2603.29 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.

02/07/2013

Patti Riechers

Signature _____ Date _____

Patti Riechers, Regulatory Specialist

Printed Name _____

E-mail Address _____

patti.riechers@dvn.com

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.

JANUARY 1 2013

Date of Survey _____

[Signature]

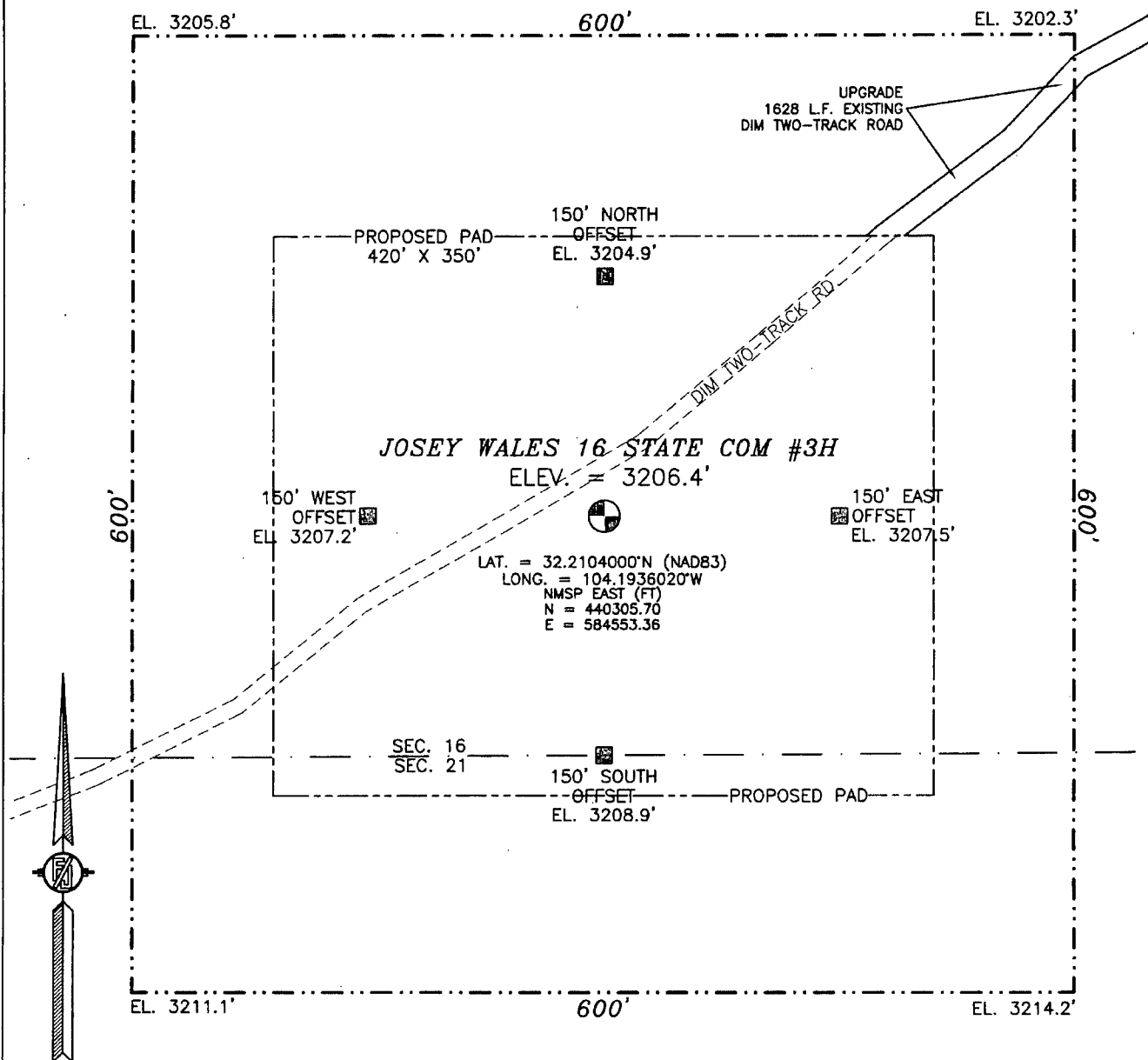
Signature and Stamp of Professional Surveyor _____

Certificate Number: _____

N89°43'46"E 2603.29 FT
N89°43'46"E 2603.29 FT

SURVEY NO. 1455

SECTION 16, 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. 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. 0.35 OF A MILE. LOCATION IS APPROX. 20' SE.

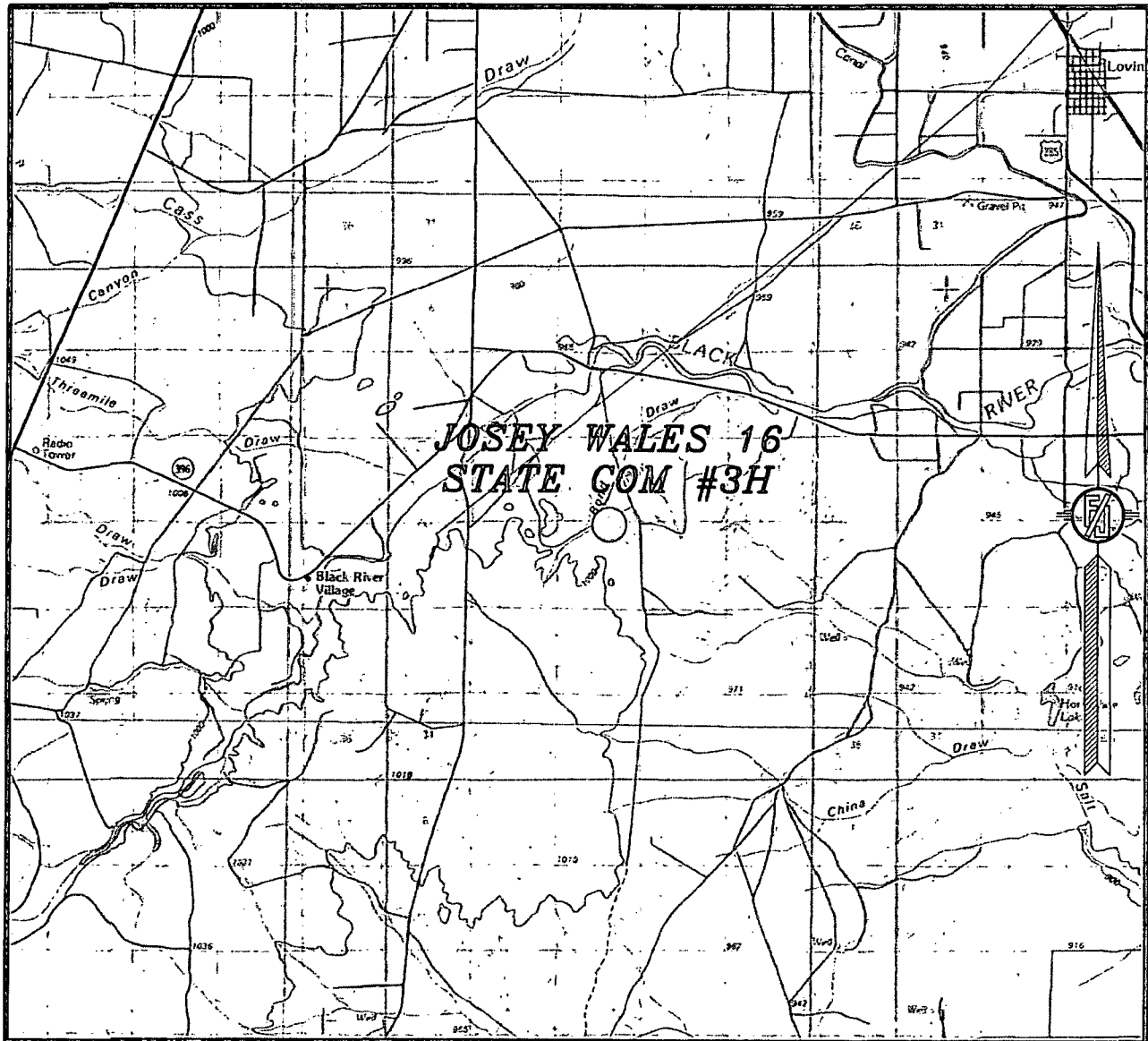
DEVON ENERGY PRODUCTION COMPANY, L.P.
JOSEY WALES 16 STATE COM #3H
LOCATED 150 FT. FROM THE SOUTH LINE
AND 1980 FT. FROM THE EAST LINE OF
SECTION 16, TOWNSHIP 24 SOUTH,
RANGE 27 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

JANUARY 3, 2013

SURVEY NO. 1455

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
VICINITY MAP



NOT TO SCALE

DEVON ENERGY PRODUCTION COMPANY, L.P.
JOSEY WALES 16 STATE COM #3H
LOCATED 150 FT. FROM THE SOUTH LINE
AND 1980 FT. FROM THE EAST LINE OF
SECTION 16, TOWNSHIP 24 SOUTH,
RANGE 27 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

JANUARY 3, 2013

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

SURVEY NO. 1455

DEVON ENERGY

Project: Eddy County, NM (NAD-83)
Site: Josey Wales 16 State Com
Well: 3H
Wellbore: OH
Design: Plan #1



Azimuths to Grid North
True North: -0.07°
Magnetic North: 7.59°

Magnetic Field
Strength: 48376.6snT
Dip Angle: 60.03°
Date: 02/04/2013
Model: IGRF2010

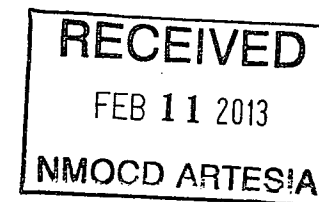
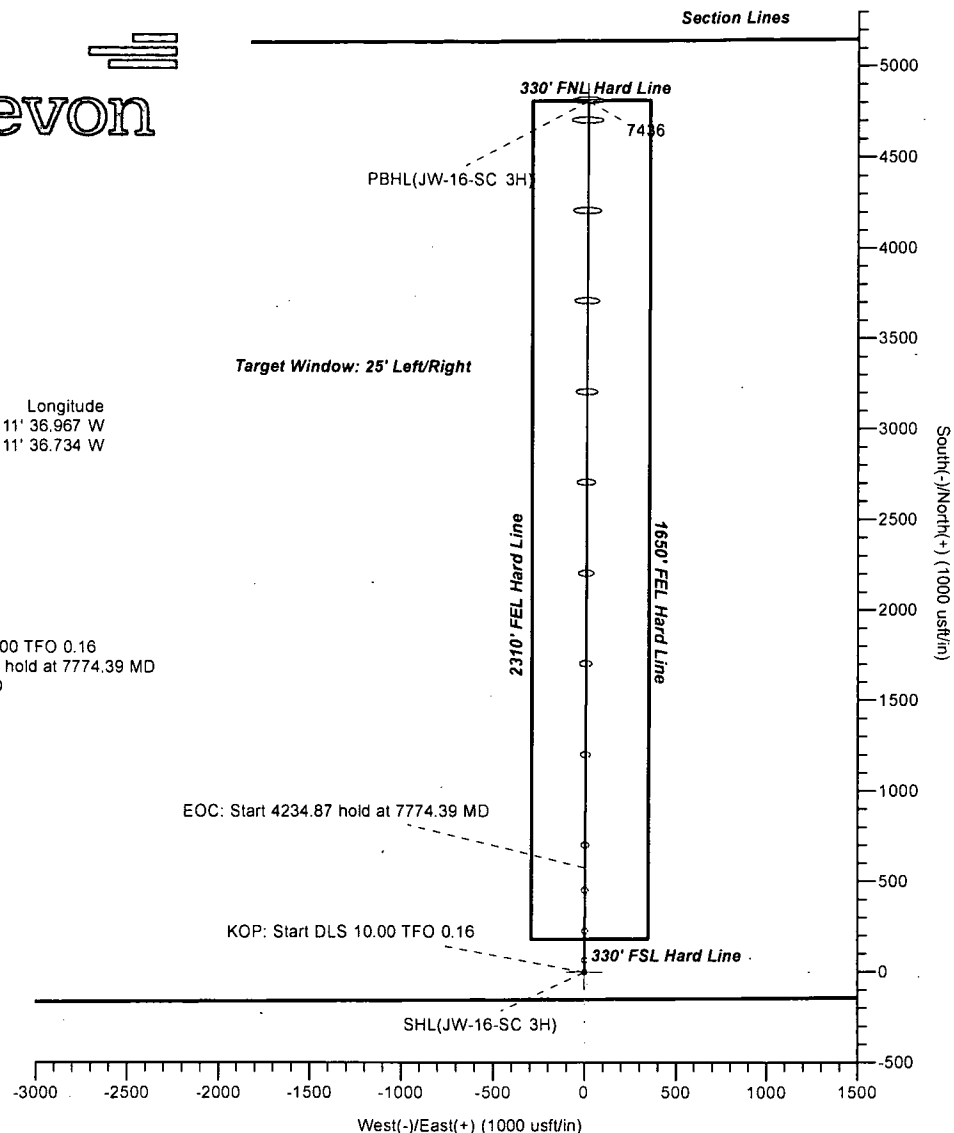
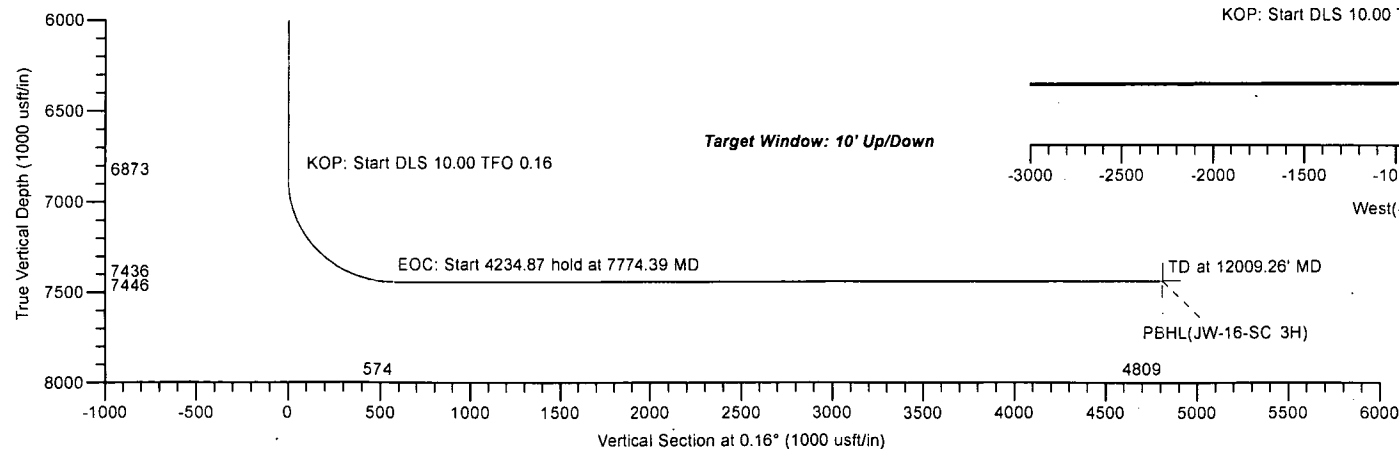


DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
SHL(JW-16-SC 3H)	0.00	0.00	0.00	440305.70	584553.3632°	12° 37.440 N	104° 11' 36.967 W
PBHL(JW-16-SC 3H)	36.00	4809.15	13.74	445114.85	584567.1032°	13° 25.031 N	104° 11' 36.734 W

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSec	Annotation
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	6873.04	0.00	0.00	6873.04	0.00	0.00	0.00	0.00	0.00	KOP: Start DLS 10.00 TFO 0.16
3	7774.39	90.14	0.16	7446.00	574.31	1.64	10.00	0.16	574.31	EOC: Start 4234.87 hold at 7774.39 MD
4	12009.26	90.14	0.16	7436.00	4809.15	13.74	0.00	0.00	4809.17	TD at 12009.26' MD



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

Plan: Plan #1 (3H/OH)
Josey Wales 16 State Com
Created By: Tyler Carlson Date: 8:22, February 04 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 3206' + KB 25' @ 3231.00usft (H&P 223)
Project:	Eddy County, NM (NAD-83)	MD Reference:	GE 3206' + KB 25' @ 3231.00usft (H&P 223)
Site:	Josey Wales 16 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	Josey Wales 16 State Com		
Site Position:	Map	Northing:	445,280.40 usft
From:		Easting:	581,971.69 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 13' 26.702 N
		Longitude:	104° 12' 6.947 W
		Grid Convergence:	0.07 °

Well	3H		
Well Position	+N/-S	-4,974.70 usft	Northing:
	+E/-W	2,581.67 usft	Easting:
Position Uncertainty	0.00 usft	Wellhead Elevation:	Ground Level:
			3,206.00 usft
			Latitude:
			32° 12' 37.440 N
			Longitude:
			104° 11' 36.967 W

Wellbore	OH		
Magnetics	Model Name	Sample Date	Declination (°)
	IGRF2010	02/04/13	7.67
			Dip Angle (°)
			60.03
			Field Strength (nT)
			48,377

Design	Plan #1		
Audit Notes:			
Version:	Phase:	PLAN	Tie On Depth:
			0.00
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(usft)	(usft)	(usft)
	0.00	0.00	0.00
			Direction (°)
			0.16

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	
6,873.04	0.00	0.00	6,873.04	0.00	0.00	0.00	0.00	0.00	0.00	
7,774.40	90.14	0.16	7,446.00	574.31	1.64	10.00	10.00	0.02	0.16	
12,009.26	90.14	0.16	7,436.00	4,809.15	13.74	0.00	0.00	0.00	0.00	PBHL(JW-16-SC 3H)

LEAM Drilling Systems LLC

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Company:	DEVON ENERGY	TVD Reference:	GE 3206' + KB 25' @ 3231.00usft (H&P 223)
Project:	Eddy County, NM (NAD-83)	MD Reference:	GE 3206' + KB 25' @ 3231.00usft (H&P 223)
Site:	Josey Wales 16 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
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

LEAM Drilling Systems LLC

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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)
5,400.00	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
6,873.04	0.00	0.00	6,873.04	0.00	0.00	0.00	0.00	0.00	0.00
KOP: Start DLS 10.00 TFO 0.16									
6,900.00	2.70	0.16	6,899.99	0.63	0.00	0.63	10.00	10.00	0.00
6,950.00	7.70	0.16	6,949.77	5.16	0.01	5.16	10.00	10.00	0.00
7,000.00	12.70	0.16	6,998.96	14.01	0.04	14.01	10.00	10.00	0.00
7,050.00	17.70	0.16	7,047.20	27.11	0.08	27.11	10.00	10.00	0.00
7,100.00	22.70	0.16	7,094.11	44.37	0.13	44.37	10.00	10.00	0.00
7,150.00	27.70	0.16	7,139.34	65.64	0.19	65.64	10.00	10.00	0.00
7,200.00	32.70	0.16	7,182.54	90.78	0.26	90.78	10.00	10.00	0.00
7,250.00	37.70	0.16	7,223.39	119.59	0.34	119.59	10.00	10.00	0.00
7,300.00	42.70	0.16	7,261.57	151.85	0.43	151.85	10.00	10.00	0.00
7,350.00	47.70	0.16	7,296.79	187.32	0.54	187.32	10.00	10.00	0.00
7,400.00	52.70	0.16	7,328.79	225.72	0.64	225.72	10.00	10.00	0.00
7,450.00	57.70	0.16	7,357.32	266.76	0.76	266.76	10.00	10.00	0.00
7,500.00	62.70	0.16	7,382.16	310.13	0.89	310.13	10.00	10.00	0.00
7,550.00	67.70	0.16	7,403.13	355.50	1.02	355.51	10.00	10.00	0.00
7,600.00	72.70	0.16	7,420.07	402.53	1.15	402.53	10.00	10.00	0.00
7,650.00	77.70	0.16	7,432.84	450.86	1.29	450.86	10.00	10.00	0.00
7,700.00	82.70	0.16	7,441.35	500.11	1.43	500.11	10.00	10.00	0.00
7,750.00	87.70	0.16	7,445.54	549.92	1.57	549.92	10.00	10.00	0.00
7,774.40	90.14	0.16	7,446.00	574.31	1.64	574.31	10.00	10.00	0.00
EOC: Start 4234.87 hold at 7774.39 MD									
7,800.00	90.14	0.16	7,445.94	599.91	1.71	599.92	0.00	0.00	0.00
7,900.00	90.14	0.16	7,445.70	699.91	2.00	699.92	0.00	0.00	0.00
8,000.00	90.14	0.16	7,445.47	799.91	2.28	799.91	0.00	0.00	0.00
8,100.00	90.14	0.16	7,445.23	899.91	2.57	899.91	0.00	0.00	0.00
8,200.00	90.14	0.16	7,444.99	999.91	2.86	999.91	0.00	0.00	0.00
8,300.00	90.14	0.16	7,444.76	1,099.91	3.14	1,099.91	0.00	0.00	0.00
8,400.00	90.14	0.16	7,444.52	1,199.91	3.43	1,199.91	0.00	0.00	0.00
8,500.00	90.14	0.16	7,444.29	1,299.91	3.71	1,299.91	0.00	0.00	0.00
8,600.00	90.14	0.16	7,444.05	1,399.91	4.00	1,399.91	0.00	0.00	0.00
8,700.00	90.14	0.16	7,443.81	1,499.91	4.28	1,499.91	0.00	0.00	0.00
8,800.00	90.14	0.16	7,443.58	1,599.91	4.57	1,599.91	0.00	0.00	0.00
8,900.00	90.14	0.16	7,443.34	1,699.91	4.86	1,699.91	0.00	0.00	0.00
9,000.00	90.14	0.16	7,443.10	1,799.90	5.14	1,799.91	0.00	0.00	0.00
9,100.00	90.14	0.16	7,442.87	1,899.90	5.43	1,899.91	0.00	0.00	0.00
9,200.00	90.14	0.16	7,442.63	1,999.90	5.71	1,999.91	0.00	0.00	0.00
9,300.00	90.14	0.16	7,442.40	2,099.90	6.00	2,099.91	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 3206' + KB 25' @ 3231.00usft (H&P 223)
Project:	Eddy County, NM (NAD-83)	MD Reference:	GE 3206' + KB 25' @ 3231.00usft (H&P 223)
Site:	Josey Wales 16 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)
9,400.00	90.14	0.16	7,442.16	2,199.90	6.28	2,199.91	0.00	0.00	0.00
9,500.00	90.14	0.16	7,441.92	2,299.90	6.57	2,299.91	0.00	0.00	0.00
9,600.00	90.14	0.16	7,441.69	2,399.90	6.85	2,399.91	0.00	0.00	0.00
9,700.00	90.14	0.16	7,441.45	2,499.90	7.14	2,499.91	0.00	0.00	0.00
9,800.00	90.14	0.16	7,441.22	2,599.90	7.43	2,599.91	0.00	0.00	0.00
9,900.00	90.14	0.16	7,440.98	2,699.90	7.71	2,699.91	0.00	0.00	0.00
10,000.00	90.14	0.16	7,440.74	2,799.90	8.00	2,799.91	0.00	0.00	0.00
10,100.00	90.14	0.16	7,440.51	2,899.90	8.28	2,899.91	0.00	0.00	0.00
10,200.00	90.14	0.16	7,440.27	2,999.90	8.57	2,999.91	0.00	0.00	0.00
10,300.00	90.14	0.16	7,440.04	3,099.90	8.85	3,099.91	0.00	0.00	0.00
10,400.00	90.14	0.16	7,439.80	3,199.90	9.14	3,199.91	0.00	0.00	0.00
10,500.00	90.14	0.16	7,439.56	3,299.89	9.43	3,299.91	0.00	0.00	0.00
10,600.00	90.14	0.16	7,439.33	3,399.89	9.71	3,399.91	0.00	0.00	0.00
10,700.00	90.14	0.16	7,439.09	3,499.89	10.00	3,499.91	0.00	0.00	0.00
10,800.00	90.14	0.16	7,438.86	3,599.89	10.28	3,599.91	0.00	0.00	0.00
10,900.00	90.14	0.16	7,438.62	3,699.89	10.57	3,699.91	0.00	0.00	0.00
11,000.00	90.14	0.16	7,438.38	3,799.89	10.85	3,799.91	0.00	0.00	0.00
11,100.00	90.14	0.16	7,438.15	3,899.89	11.14	3,899.91	0.00	0.00	0.00
11,200.00	90.14	0.16	7,437.91	3,999.89	11.42	3,999.91	0.00	0.00	0.00
11,300.00	90.14	0.16	7,437.67	4,099.89	11.71	4,099.91	0.00	0.00	0.00
11,400.00	90.14	0.16	7,437.44	4,199.89	12.00	4,199.91	0.00	0.00	0.00
11,500.00	90.14	0.16	7,437.20	4,299.89	12.28	4,299.91	0.00	0.00	0.00
11,600.00	90.14	0.16	7,436.97	4,399.89	12.57	4,399.91	0.00	0.00	0.00
11,700.00	90.14	0.16	7,436.73	4,499.89	12.85	4,499.90	0.00	0.00	0.00
11,800.00	90.14	0.16	7,436.49	4,599.89	13.14	4,599.90	0.00	0.00	0.00
11,900.00	90.14	0.16	7,436.26	4,699.89	13.42	4,699.90	0.00	0.00	0.00
12,009.26	90.14	0.16	7,436.00	4,809.15	13.74	4,809.17	0.00	0.00	0.00
TD at 12009.26' 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 3H)	0.00	0.00	0.00	0.00	0.00	440,305.70	584,553.36	32° 12' 37.440 N	104° 11' 36.967 W
- plan hits target center									
- Point									
PBHL(JW-16-SC 3H)	0.00	0.00	7,436.00	4,809.15	13.74	445,114.85	584,567.10	32° 13' 25.031 N	104° 11' 36.734 W
- plan hits target center									
- Point									

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		
		+N/-S (usft)	+E/-W (usft)	Comment
6,873.04	6,873.04	0.00	0.00	KOP: Start DLS 10.00 TFO 0.16
7,774.40	7,446.00	574.31	1.64	EOC: Start 4234.87 hold at 7774.39 MD
12,009.26	7,436.00	4,809.15	13.74	TD at 12009.26' MD