

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NMOCD-REC'D: 8/20/2020

FORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018**SUNDRY NOTICES AND REPORTS ON WELLS**
Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.5. Lease Serial No.
NMNM89057

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.
SHETLAND 11-2 FED STATE COM 732H9. API Well No.
30-015-47159-00-X110. Field and Pool or Exploratory Area
PURPLE SAGE-WOLFCAMP (GAS)11. County or Parish, State
EDDY COUNTY, NM**SUBMIT IN TRIPLICATE - Other instructions on page 2**1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other2. Name of Operator
DEVON ENERGY PRODUCTION COMPANY
Contact: JENNIFER HARMS
E-Mail: jennifer.harms@dnv.com3a. Address
333 WEST SHERIDAN AVENUE
OKLAHOMA CITY, OK 731023b. Phone No. (include area code)
Ph: 405-552-65604. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec 11 T26S R31E SESW 350FSL 2140FWL
32.051128 N Lat, 103.750519 W Lon

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	Change to Original A
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	PD

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

Devon Energy Production Co., L.P. (Devon) respectfully request to move the subject wells bottom hole location to 20 FNL & 2310 FEL of section 2, 26S-31E.

The well is currently at 70 degrees in the curve, and running intermediate casing. Within a week we will be drilling out and drilling ahead in our 7-7/8" curve and lateral. Due to the build and turn in the curve, we're not adding any vertical section.

Please see attached revised plat and directional plans. Thank you.

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #525895 verified by the BLM Well Information System
For DEVON ENERGY PRODUCTION COM LP, sent to the Carlsbad
Committed to AFMSS for processing by PRISCILLA PEREZ on 08/17/2020 (20PP3763SE)

Name (Printed/Typed) JENNIFER HARMS

Title REGULATORY COMPLIANCE ANALYST

Signature (Electronic Submission)

Date 08/17/2020

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By LONG VO

Title PETROLEUM ENGINEER

Date 08/18/2020

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office Carlsbad

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

Revisions to Operator-Submitted EC Data for Sundry Notice #525895

	Operator Submitted	BLM Revised (AFMSS)
Sundry Type:	APDCH NOI	APDCH NOI
Lease:	NMNM89057	NMNM89057
Agreement:		
Operator:	DEVON ENERGY PRODUCTION COMPAN 333 W SHERIDAN AVE OKLAHOMA CITY, OK 73102 Ph: 405-552-6560	DEVON ENERGY PRODUCTION COM LP 333 WEST SHERIDAN AVENUE OKLAHOMA CITY, OK 73102 Ph: 405 552 6571
Admin Contact:	JENNIFER HARMS REGULATORY COMPLIANCE ANALYST E-Mail: jennifer.harms@dvn.com Ph: 405-552-6560	JENNIFER HARMS REGULATORY COMPLIANCE ANALYST E-Mail: jennifer.harms@dvn.com Ph: 405-552-6560
Tech Contact:	JENNIFER HARMS REGULATORY COMPLIANCE ANALYST E-Mail: jennifer.harms@dvn.com Ph: 405-552-6560	JENNIFER HARMS REGULATORY COMPLIANCE ANALYST E-Mail: jennifer.harms@dvn.com Ph: 405-552-6560
Location:		
State:	NM	NM
County:	EDDY	EDDY
Field/Pool:	PURPLE SAGE; WOLFCAMP	PURPLE SAGE-WOLFCAMP (GAS)
Well/Facility:	SHETLAND 11-2 FED STATE COM 732H Sec 11 T26S R31E SESW 350FSL 2140FWL	SHETLAND 11-2 FED STATE COM 732H Sec 11 T26S R31E SESW 350FSL 2140FWL 32.051128 N Lat, 103.750519 W Lon

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	² Pool Code 98220	³ Pool Name PURPLE SAGE WOLFCAMP
⁴ Property Code	⁵ Property Name SHETLAND 11-2 FED STATE COM	⁶ Well Number 732H
⁷ OGRID No. 6137	⁸ Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.	⁹ Elevation 3212.6

¹⁰ Surface Location

UL or lot no. N	Section 11	Township 26 S	Range 31 E	Lot Idn	Feet from the 350	North/South line SOUTH	Feet from the 2140	East/West line WEST	County EDDY
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no. B	Section 2	Township 26 S	Range 31 E	Lot Idn	Feet from the 20	North/South line NORTH	Feet from the 2310	East/West line EAST	County EDDY
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¹² Dedicated Acres 320	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.

	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: <u>Jenny Harms</u> Date: <u>8-17-2020</u> Printed Name: <u>JENNY HARMS</u> E-mail Address: <u>JENNY.HARMS@DVN.COM</u> 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. AUGUST 13, 2020 Date of Survey: <u>AUGUST 13, 2020</u> Signature and Seal of Professional Surveyor: <u>[Signature]</u> Certificate Number: <u>12797</u> Surveyor No. <u>7473B</u>
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Intent ☒ As Drilled ☐

API #		
Operator Name: DEVON ENERGY PRODUCTION COMPANY, L.P.	Property Name: SHETLAND 11-2 FED STATE COM	Well Number 732H

Kick Off Point (KOP)

UL	Section 11	Township 26S	Range 31E	Lot	Feet 50 FSL	From N/S	Feet 2310 FWL	From E/W	County EDDY
Latitude 32.0503					Longitude -103.749972			NAD 83	

First Take Point (FTP)

UL O	Section 11	Township 26S	Range 31E	Lot	Feet 100	From N/S SOUTH	Feet 2310	From E/W EAST	County EDDY
Latitude 32.0504462					Longitude 103.7477463			NAD 83	

Last Take Point (LTP)

UL B	Section 2	Township 26S	Range 31E	Lot	Feet 100	From N/S NORTH	Feet 2310	From E/W EAST	County EDDY
Latitude 32.0792113					Longitude 103.7477094			NAD 83	

Is this well the defining well for the Horizontal Spacing Unit? ☐ NO

Is this well an infill well? ☐ YES

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API #		
Operator Name:	Property Name:	Well Number

KZ 06/29/2018



Devon Energy Production Company, L.P.

**Eddy Co, New Mexico (NAD-83)
Sec 11-26S-31E(Shetland)
Shetland 11-2 Fed State Com 732H**

OH

Plan: Prelim Plan3

Standard Planning Report

13 August, 2020



Database:	Compass_DSN	Local Co-ordinate Reference:	Well Shetland 11-2 Fed State Com 732H
Company:	Devon Energy Production Company, L.P.	TVD Reference:	Cactus 168: 24' + 3212.6' @ 3236.6usft
Project:	Eddy Co, New Mexico (NAD-83)	MD Reference:	Cactus 168: 24' + 3212.6' @ 3236.6usft
Site:	Sec 11-26S-31E(Shetland)	North Reference:	Grid
Well:	Shetland 11-2 Fed State Com 732H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Prelim Plan3		

Project	Eddy Co, New Mexico (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		Sec 11-26S-31E(Shetland)			
Site Position:		Northing:	382,824.95 usft	Latitude:	32° 3' 4.056 N
From:	Map	Easting:	721,845.12 usft	Longitude:	103° 45' 2.553 W
Position Uncertainty:		0.0 usft	Slot Radius:	13-3/16 "	

Well	Shetland 11-2 Fed State Com 732H					
Well Position	+N/-S	0.0 usft	Northing:	382,825.35 usft	Latitude:	32° 3' 4.057 N
	+E/-W	0.0 usft	Easting:	721,905.16 usft	Longitude:	103° 45' 1.855 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	usft	Ground Level:	3,212.6 usft
Grid Convergence:		0.31 °				

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	7/23/2020	6.69	59.84	47,500.52583312

Design	Prelim Plan3				
Audit Notes:					
Version:	Phase:	PROTOTYPE	Tie On Depth:	9,116.0	
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.0	0.0	0.0	0.00	

Plan Survey Tool Program	Date	8/13/2020			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	113.0	9,116.0	MWD (OH)	MWD	
			MWD - Skyline		
2	9,116.0	22,209.5	Prelim Plan3 (OH)	MWD	
			MWD - Skyline		



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Site:	Sec 11-26S-31E(Shetland)	North Reference:	Grid
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Wellbore:	OH		
Design:	Prelim Plan3		

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
9,116.0	2.80	304.50	9,104.7	-317.3	153.5	0.00	0.00	0.00	0.00	
9,286.0	0.70	90.00	9,274.6	-314.9	151.1	2.00	-1.24	85.59	173.30	
11,218.1	0.70	90.00	11,206.6	-314.9	174.7	0.00	0.00	0.00	0.00	
11,963.3	89.66	20.00	11,682.0	129.2	342.1	12.00	11.94	-9.39	-70.01	
13,113.3	89.66	20.00	11,688.9	1,209.9	735.4	0.00	0.00	0.00	0.00	
13,620.9	89.67	359.69	11,691.9	1,707.4	821.8	4.00	0.00	-4.00	-90.04	
22,209.5	89.67	359.69	11,742.0	10,295.7	776.0	0.00	0.00	0.00	0.00	

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Well:	Shetland 11-2 Fed State Com 732H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Prelim Plan3		

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)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
113.0	0.20	85.40	113.0	0.0	0.2	0.0	0.18	0.18	0.00
204.0	0.10	85.40	204.0	0.0	0.4	0.0	0.11	-0.11	0.00
297.0	0.20	219.20	297.0	-0.1	0.4	-0.1	0.30	0.11	143.87
388.0	0.20	204.70	388.0	-0.4	0.2	-0.4	0.06	0.00	-15.93
480.0	0.30	252.10	480.0	-0.6	-0.1	-0.6	0.24	0.11	51.52
571.0	0.20	312.20	571.0	-0.5	-0.4	-0.5	0.29	-0.11	66.04
663.0	0.50	323.10	663.0	-0.1	-0.8	-0.1	0.33	0.33	11.85
752.0	0.50	344.60	752.0	0.6	-1.1	0.6	0.21	0.00	24.16
844.0	0.40	14.60	844.0	1.3	-1.1	1.3	0.27	-0.11	32.61
936.0	0.40	64.70	936.0	1.7	-0.7	1.7	0.37	0.00	54.46
1,027.0	0.50	112.30	1,027.0	1.7	-0.1	1.7	0.41	0.11	52.31
1,118.0	0.50	182.90	1,118.0	1.2	0.3	1.2	0.64	0.00	77.58
1,209.0	0.70	182.10	1,209.0	0.2	0.2	0.2	0.22	0.22	-0.88
1,328.0	0.70	182.20	1,328.0	-1.2	0.2	-1.2	0.00	0.00	0.08
1,515.0	1.00	215.70	1,514.9	-3.7	-0.8	-3.7	0.30	0.16	17.91
1,705.0	1.10	211.90	1,704.9	-6.6	-2.8	-6.6	0.06	0.05	-2.00
1,893.0	0.80	184.20	1,892.9	-9.4	-3.8	-9.4	0.29	-0.16	-14.73
2,082.0	2.00	158.50	2,081.8	-13.8	-2.7	-13.8	0.70	0.63	-13.60
2,271.0	2.80	145.10	2,270.7	-20.7	1.1	-20.7	0.51	0.42	-7.09
2,460.0	2.60	145.80	2,459.5	-28.0	6.2	-28.0	0.11	-0.11	0.37
2,648.0	3.30	144.60	2,647.2	-36.0	11.7	-36.0	0.37	0.37	-0.64
2,836.0	3.40	150.30	2,834.9	-45.2	17.6	-45.2	0.18	0.05	3.03
3,025.0	3.30	143.60	3,023.6	-54.5	23.6	-54.5	0.21	-0.05	-3.54
3,214.0	2.80	146.30	3,212.3	-62.7	29.4	-62.7	0.28	-0.26	1.43
3,403.0	4.40	147.10	3,400.9	-72.6	35.9	-72.6	0.85	0.85	0.42
3,592.0	5.00	146.70	3,589.3	-85.6	44.4	-85.6	0.32	0.32	-0.21
3,781.0	4.20	140.10	3,777.7	-97.8	53.3	-97.8	0.51	-0.42	-3.49
3,970.0	4.70	142.60	3,966.1	-109.2	62.5	-109.2	0.28	0.26	1.32
4,158.0	3.30	133.40	4,153.6	-119.1	71.1	-119.1	0.82	-0.74	-4.89
4,345.0	3.10	131.40	4,340.3	-126.1	78.8	-126.1	0.12	-0.11	-1.07
4,534.0	2.80	126.30	4,529.1	-132.2	86.4	-132.2	0.21	-0.16	-2.70
4,722.0	3.60	147.90	4,716.8	-139.9	93.2	-139.9	0.76	0.43	11.49
4,911.0	3.60	147.40	4,905.4	-150.0	99.5	-150.0	0.02	0.00	-0.26
5,099.0	3.10	147.70	5,093.1	-159.2	105.4	-159.2	0.27	-0.27	0.16
5,289.0	2.70	141.60	5,282.9	-167.1	111.0	-167.1	0.27	-0.21	-3.21
5,477.0	2.60	133.40	5,470.7	-173.5	116.8	-173.5	0.21	-0.05	-4.36
5,666.0	3.70	151.10	5,659.4	-181.8	122.9	-181.8	0.77	0.58	9.37
5,854.0	3.70	151.70	5,847.0	-192.4	128.7	-192.4	0.02	0.00	0.32
6,042.0	3.60	153.70	6,034.6	-203.1	134.2	-203.1	0.09	-0.05	1.06
6,232.0	3.50	152.70	6,224.3	-213.6	139.5	-213.6	0.06	-0.05	-0.53
6,419.0	3.30	155.70	6,410.9	-223.5	144.3	-223.5	0.14	-0.11	1.60
6,607.0	3.00	160.30	6,598.6	-233.1	148.2	-233.1	0.21	-0.16	2.45
6,795.0	3.10	171.10	6,786.4	-242.7	150.6	-242.7	0.31	0.05	5.74
6,983.0	3.10	172.20	6,974.1	-252.8	152.1	-252.8	0.03	0.00	0.59
7,172.0	2.70	173.70	7,162.9	-262.3	153.3	-262.3	0.22	-0.21	0.79
7,361.0	4.20	155.20	7,351.5	-273.0	156.7	-273.0	0.98	0.79	-9.79
7,551.0	3.70	156.60	7,541.1	-284.9	162.0	-284.9	0.27	-0.26	0.74
7,740.0	3.40	157.40	7,729.7	-295.7	166.6	-295.7	0.16	-0.16	0.42
7,930.0	3.30	161.50	7,919.4	-306.1	170.5	-306.1	0.14	-0.05	2.16
8,120.0	2.00	179.30	8,109.2	-314.6	172.3	-314.6	0.80	-0.68	9.37
8,307.0	1.50	191.90	8,296.1	-320.3	171.8	-320.3	0.34	-0.27	6.74
8,496.0	0.70	201.60	8,485.0	-323.8	170.9	-323.8	0.43	-0.42	5.13
8,684.0	1.10	272.80	8,673.0	-324.7	168.7	-324.7	0.58	0.21	37.87

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Site:	Sec 11-26S-31E(Shetland)	North Reference:	Grid
Well:	Shetland 11-2 Fed State Com 732H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Prelim Plan3		

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)
8,874.0	2.50	295.30	8,862.9	-322.9	163.1	-322.9	0.81	0.74	11.84
9,116.0	2.80	304.50	9,104.7	-317.3	153.5	-317.3	0.21	0.12	3.80
Start DLS 2.00 TFO 173.30									
9,200.0	1.15	314.33	9,188.6	-315.5	151.2	-315.5	2.00	-1.97	11.70
9,286.0	0.70	90.00	9,274.6	-314.9	151.1	-314.9	2.00	-0.52	157.75
Start 1932.1 hold at 9286.0 MD									
9,300.0	0.70	90.00	9,288.6	-314.9	151.2	-314.9	0.00	0.00	0.00
9,358.4	0.70	90.00	9,347.0	-314.9	152.0	-314.9	0.00	0.00	0.00
2nd BSPG Lime									
9,400.0	0.70	90.00	9,388.6	-314.9	152.5	-314.9	0.00	0.00	0.00
9,500.0	0.70	90.00	9,488.6	-314.9	153.7	-314.9	0.00	0.00	0.00
9,600.0	0.70	90.00	9,588.6	-314.9	154.9	-314.9	0.00	0.00	0.00
9,700.0	0.70	90.00	9,688.6	-314.9	156.1	-314.9	0.00	0.00	0.00
9,800.0	0.70	90.00	9,788.6	-314.9	157.3	-314.9	0.00	0.00	0.00
9,818.4	0.70	90.00	9,807.0	-314.9	157.6	-314.9	0.00	0.00	0.00
2nd BSPG Sand									
9,900.0	0.70	90.00	9,888.6	-314.9	158.6	-314.9	0.00	0.00	0.00
10,000.0	0.70	90.00	9,988.6	-314.9	159.8	-314.9	0.00	0.00	0.00
10,100.0	0.70	90.00	10,088.6	-314.9	161.0	-314.9	0.00	0.00	0.00
10,200.0	0.70	90.00	10,188.5	-314.9	162.2	-314.9	0.00	0.00	0.00
10,281.5	0.70	90.00	10,270.0	-314.9	163.2	-314.9	0.00	0.00	0.00
3rd BSPG Lime									
10,300.0	0.70	90.00	10,288.5	-314.9	163.5	-314.9	0.00	0.00	0.00
10,400.0	0.70	90.00	10,388.5	-314.9	164.7	-314.9	0.00	0.00	0.00
10,500.0	0.70	90.00	10,488.5	-314.9	165.9	-314.9	0.00	0.00	0.00
10,600.0	0.70	90.00	10,588.5	-314.9	167.1	-314.9	0.00	0.00	0.00
10,700.0	0.70	90.00	10,688.5	-314.9	168.3	-314.9	0.00	0.00	0.00
10,800.0	0.70	90.00	10,788.5	-314.9	169.6	-314.9	0.00	0.00	0.00
10,900.0	0.70	90.00	10,888.5	-314.9	170.8	-314.9	0.00	0.00	0.00
11,000.0	0.70	90.00	10,988.5	-314.9	172.0	-314.9	0.00	0.00	0.00
11,018.5	0.70	90.00	11,007.0	-314.9	172.2	-314.9	0.00	0.00	0.00
3rd BSPG Sand									
11,100.0	0.70	90.00	11,088.5	-314.9	173.2	-314.9	0.00	0.00	0.00
11,200.0	0.70	90.00	11,188.5	-314.9	174.5	-314.9	0.00	0.00	0.00
11,218.1	0.70	90.00	11,206.6	-314.9	174.7	-314.9	0.00	0.00	0.00
Start DLS 12.00 TFO -70.01									
11,225.0	1.25	51.72	11,213.5	-314.9	174.8	-314.9	12.00	8.02	-557.11
11,250.0	4.12	29.18	11,238.4	-313.9	175.4	-313.9	12.00	11.46	-90.19
11,275.0	7.09	25.29	11,263.3	-311.7	176.5	-311.7	12.00	11.91	-15.54
11,300.0	10.09	23.70	11,288.0	-308.3	178.1	-308.3	12.00	11.96	-6.37
11,325.0	13.08	22.83	11,312.5	-303.7	180.0	-303.7	12.00	11.98	-3.47
11,350.0	16.08	22.28	11,336.7	-297.9	182.5	-297.9	12.00	11.99	-2.20
11,375.0	19.07	21.90	11,360.5	-290.9	185.3	-290.9	12.00	11.99	-1.52
11,400.0	22.07	21.62	11,383.9	-282.8	188.5	-282.8	12.00	11.99	-1.12
11,425.0	25.07	21.40	11,406.9	-273.5	192.2	-273.5	12.00	12.00	-0.86
11,441.9	27.09	21.28	11,422.0	-266.6	194.9	-266.6	12.00	12.00	-0.71
Wolfcamp									
11,450.0	28.07	21.23	11,429.2	-263.0	196.3	-263.0	12.00	12.00	-0.64
11,475.0	31.07	21.09	11,451.0	-251.5	200.7	-251.5	12.00	12.00	-0.57
11,500.0	34.07	20.97	11,472.0	-239.0	205.6	-239.0	12.00	12.00	-0.48
11,525.0	37.07	20.87	11,492.4	-225.4	210.7	-225.4	12.00	12.00	-0.41
11,550.0	40.07	20.78	11,511.9	-210.8	216.3	-210.8	12.00	12.00	-0.35
11,575.0	43.07	20.70	11,530.6	-195.3	222.2	-195.3	12.00	12.00	-0.31

Database:	Compass_DSN	Local Co-ordinate Reference:	Well Shetland 11-2 Fed State Com 732H
Company:	Devon Energy Production Company, L.P.	TVD Reference:	Cactus 168: 24' + 3212.6' @ 3236.6usft
Project:	Eddy Co, New Mexico (NAD-83)	MD Reference:	Cactus 168: 24' + 3212.6' @ 3236.6usft
Site:	Sec 11-26S-31E(Shetland)	North Reference:	Grid
Well:	Shetland 11-2 Fed State Com 732H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Prelim Plan3		

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)
11,598.0	45.82	20.64	11,547.0	-180.3	227.8	-180.3	12.00	12.00	-0.28
Wolfcamp Y Sand									
11,600.0	46.07	20.63	11,548.4	-178.9	228.3	-178.9	12.00	12.00	-0.27
11,625.0	49.07	20.57	11,565.3	-161.6	234.8	-161.6	12.00	12.00	-0.25
11,650.0	52.07	20.51	11,581.2	-143.6	241.6	-143.6	12.00	12.00	-0.23
11,664.7	53.83	20.48	11,590.0	-132.6	245.7	-132.6	12.00	12.00	-0.22
Wolfcamp 100									
11,675.0	55.07	20.46	11,596.0	-124.7	248.6	-124.7	12.00	12.00	-0.21
11,700.0	58.07	20.41	11,609.8	-105.2	255.9	-105.2	12.00	12.00	-0.20
11,725.0	61.07	20.36	11,622.4	-85.0	263.4	-85.0	12.00	12.00	-0.19
11,750.0	64.07	20.32	11,634.0	-64.2	271.1	-64.2	12.00	12.00	-0.17
11,775.0	67.07	20.27	11,644.3	-42.8	279.0	-42.8	12.00	12.00	-0.17
11,800.0	70.07	20.23	11,653.4	-21.0	287.1	-21.0	12.00	12.00	-0.16
11,825.0	73.07	20.20	11,661.3	1.3	295.3	1.3	12.00	12.00	-0.15
11,850.0	76.06	20.16	11,668.0	23.9	303.6	23.9	12.00	12.00	-0.15
11,875.0	79.06	20.12	11,673.4	46.8	312.0	46.8	12.00	12.00	-0.14
11,900.0	82.06	20.09	11,677.5	70.0	320.5	70.0	12.00	12.00	-0.14
11,925.0	85.06	20.05	11,680.3	93.3	329.0	93.3	12.00	12.00	-0.14
11,950.0	88.06	20.02	11,681.8	116.7	337.6	116.7	12.00	12.00	-0.14
11,960.0	89.27	20.00	11,682.0	126.2	341.0	126.2	12.00	12.00	-0.14
Wolfcamp 110									
11,963.3	89.66	20.00	11,682.0	129.2	342.1	129.2	12.00	12.00	-0.14
Start 1150.0 hold at 11963.3 MD									
12,000.0	89.66	20.00	11,682.2	163.7	354.7	163.7	0.00	0.00	0.00
12,100.0	89.66	20.00	11,682.8	257.7	388.9	257.7	0.00	0.00	0.00
12,200.0	89.66	20.00	11,683.4	351.6	423.1	351.6	0.00	0.00	0.00
12,300.0	89.66	20.00	11,684.0	445.6	457.3	445.6	0.00	0.00	0.00
12,400.0	89.66	20.00	11,684.6	539.6	491.5	539.6	0.00	0.00	0.00
12,500.0	89.66	20.00	11,685.2	633.5	525.7	633.5	0.00	0.00	0.00
12,600.0	89.66	20.00	11,685.8	727.5	559.9	727.5	0.00	0.00	0.00
12,700.0	89.66	20.00	11,686.4	821.5	594.1	821.5	0.00	0.00	0.00
12,800.0	89.66	20.00	11,687.0	915.5	628.3	915.5	0.00	0.00	0.00
12,900.0	89.66	20.00	11,687.6	1,009.4	662.5	1,009.4	0.00	0.00	0.00
13,000.0	89.66	20.00	11,688.2	1,103.4	696.7	1,103.4	0.00	0.00	0.00
13,100.0	89.66	20.00	11,688.8	1,197.4	730.9	1,197.4	0.00	0.00	0.00
13,113.3	89.66	20.00	11,688.9	1,209.9	735.4	1,209.9	0.00	0.00	0.00
Start DLS 4.00 TFO -90.04									
13,200.0	89.66	16.53	11,689.4	1,292.2	762.6	1,292.2	4.00	0.00	-4.00
13,300.0	89.66	12.53	11,690.0	1,388.9	787.7	1,388.9	4.00	0.00	-4.00
13,400.0	89.66	8.53	11,690.6	1,487.2	806.0	1,487.2	4.00	0.00	-4.00
13,500.0	89.66	4.53	11,691.2	1,586.6	817.3	1,586.6	4.00	0.00	-4.00
13,600.0	89.66	0.53	11,691.8	1,686.5	821.7	1,686.5	4.00	0.00	-4.00
13,620.9	89.67	359.69	11,691.9	1,707.4	821.8	1,707.4	4.00	0.01	-4.00
Start 8588.6 hold at 13620.9 MD									
13,700.0	89.67	359.69	11,692.3	1,786.4	821.4	1,786.4	0.00	0.00	0.00
13,800.0	89.67	359.69	11,692.9	1,886.4	820.8	1,886.4	0.00	0.00	0.00
13,900.0	89.67	359.69	11,693.5	1,986.4	820.3	1,986.4	0.00	0.00	0.00
14,000.0	89.67	359.69	11,694.1	2,086.4	819.8	2,086.4	0.00	0.00	0.00
14,100.0	89.67	359.69	11,694.7	2,186.4	819.2	2,186.4	0.00	0.00	0.00
14,200.0	89.67	359.69	11,695.3	2,286.4	818.7	2,286.4	0.00	0.00	0.00
14,300.0	89.67	359.69	11,695.8	2,386.4	818.2	2,386.4	0.00	0.00	0.00
14,400.0	89.67	359.69	11,696.4	2,486.4	817.6	2,486.4	0.00	0.00	0.00
14,500.0	89.67	359.69	11,697.0	2,586.4	817.1	2,586.4	0.00	0.00	0.00

Database:	Compass_DSN	Local Co-ordinate Reference:	Well Shetland 11-2 Fed State Com 732H
Company:	Devon Energy Production Company, L.P.	TVD Reference:	Cactus 168: 24' + 3212.6' @ 3236.6usft
Project:	Eddy Co, New Mexico (NAD-83)	MD Reference:	Cactus 168: 24' + 3212.6' @ 3236.6usft
Site:	Sec 11-26S-31E(Shetland)	North Reference:	Grid
Well:	Shetland 11-2 Fed State Com 732H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Prelim Plan3		

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)
14,600.0	89.67	359.69	11,697.6	2,686.4	816.6	2,686.4	0.00	0.00	0.00
14,700.0	89.67	359.69	11,698.2	2,786.4	816.0	2,786.4	0.00	0.00	0.00
14,800.0	89.67	359.69	11,698.8	2,886.4	815.5	2,886.4	0.00	0.00	0.00
14,900.0	89.67	359.69	11,699.3	2,986.4	815.0	2,986.4	0.00	0.00	0.00
15,000.0	89.67	359.69	11,699.9	3,086.4	814.4	3,086.4	0.00	0.00	0.00
15,100.0	89.67	359.69	11,700.5	3,186.4	813.9	3,186.4	0.00	0.00	0.00
15,200.0	89.67	359.69	11,701.1	3,286.4	813.4	3,286.4	0.00	0.00	0.00
15,300.0	89.67	359.69	11,701.7	3,386.4	812.8	3,386.4	0.00	0.00	0.00
15,400.0	89.67	359.69	11,702.3	3,486.4	812.3	3,486.4	0.00	0.00	0.00
15,500.0	89.67	359.69	11,702.8	3,586.4	811.8	3,586.4	0.00	0.00	0.00
15,600.0	89.67	359.69	11,703.4	3,686.4	811.2	3,686.4	0.00	0.00	0.00
15,700.0	89.67	359.69	11,704.0	3,786.4	810.7	3,786.4	0.00	0.00	0.00
15,800.0	89.67	359.69	11,704.6	3,886.4	810.2	3,886.4	0.00	0.00	0.00
15,900.0	89.67	359.69	11,705.2	3,986.4	809.6	3,986.4	0.00	0.00	0.00
16,000.0	89.67	359.69	11,705.8	4,086.4	809.1	4,086.4	0.00	0.00	0.00
16,100.0	89.67	359.69	11,706.3	4,186.4	808.6	4,186.4	0.00	0.00	0.00
16,200.0	89.67	359.69	11,706.9	4,286.4	808.0	4,286.4	0.00	0.00	0.00
16,300.0	89.67	359.69	11,707.5	4,386.4	807.5	4,386.4	0.00	0.00	0.00
16,400.0	89.67	359.69	11,708.1	4,486.4	807.0	4,486.4	0.00	0.00	0.00
16,500.0	89.67	359.69	11,708.7	4,586.4	806.4	4,586.4	0.00	0.00	0.00
16,600.0	89.67	359.69	11,709.3	4,686.4	805.9	4,686.4	0.00	0.00	0.00
16,700.0	89.67	359.69	11,709.8	4,786.4	805.4	4,786.4	0.00	0.00	0.00
16,800.0	89.67	359.69	11,710.4	4,886.4	804.8	4,886.4	0.00	0.00	0.00
16,900.0	89.67	359.69	11,711.0	4,986.3	804.3	4,986.3	0.00	0.00	0.00
17,000.0	89.67	359.69	11,711.6	5,086.3	803.8	5,086.3	0.00	0.00	0.00
17,100.0	89.67	359.69	11,712.2	5,186.3	803.2	5,186.3	0.00	0.00	0.00
17,200.0	89.67	359.69	11,712.8	5,286.3	802.7	5,286.3	0.00	0.00	0.00
17,300.0	89.67	359.69	11,713.3	5,386.3	802.2	5,386.3	0.00	0.00	0.00
17,400.0	89.67	359.69	11,713.9	5,486.3	801.6	5,486.3	0.00	0.00	0.00
17,500.0	89.67	359.69	11,714.5	5,586.3	801.1	5,586.3	0.00	0.00	0.00
17,600.0	89.67	359.69	11,715.1	5,686.3	800.6	5,686.3	0.00	0.00	0.00
17,700.0	89.67	359.69	11,715.7	5,786.3	800.0	5,786.3	0.00	0.00	0.00
17,800.0	89.67	359.69	11,716.3	5,886.3	799.5	5,886.3	0.00	0.00	0.00
17,900.0	89.67	359.69	11,716.8	5,986.3	799.0	5,986.3	0.00	0.00	0.00
18,000.0	89.67	359.69	11,717.4	6,086.3	798.4	6,086.3	0.00	0.00	0.00
18,100.0	89.67	359.69	11,718.0	6,186.3	797.9	6,186.3	0.00	0.00	0.00
18,200.0	89.67	359.69	11,718.6	6,286.3	797.4	6,286.3	0.00	0.00	0.00
18,300.0	89.67	359.69	11,719.2	6,386.3	796.8	6,386.3	0.00	0.00	0.00
18,400.0	89.67	359.69	11,719.8	6,486.3	796.3	6,486.3	0.00	0.00	0.00
18,500.0	89.67	359.69	11,720.3	6,586.3	795.8	6,586.3	0.00	0.00	0.00
18,600.0	89.67	359.69	11,720.9	6,686.3	795.2	6,686.3	0.00	0.00	0.00
18,700.0	89.67	359.69	11,721.5	6,786.3	794.7	6,786.3	0.00	0.00	0.00
18,800.0	89.67	359.69	11,722.1	6,886.3	794.2	6,886.3	0.00	0.00	0.00
18,900.0	89.67	359.69	11,722.7	6,986.3	793.6	6,986.3	0.00	0.00	0.00
19,000.0	89.67	359.69	11,723.3	7,086.3	793.1	7,086.3	0.00	0.00	0.00
19,100.0	89.67	359.69	11,723.9	7,186.3	792.6	7,186.3	0.00	0.00	0.00
19,200.0	89.67	359.69	11,724.4	7,286.3	792.0	7,286.3	0.00	0.00	0.00
19,300.0	89.67	359.69	11,725.0	7,386.3	791.5	7,386.3	0.00	0.00	0.00
19,400.0	89.67	359.69	11,725.6	7,486.3	791.0	7,486.3	0.00	0.00	0.00
19,500.0	89.67	359.69	11,726.2	7,586.3	790.4	7,586.3	0.00	0.00	0.00
19,600.0	89.67	359.69	11,726.8	7,686.3	789.9	7,686.3	0.00	0.00	0.00
19,700.0	89.67	359.69	11,727.4	7,786.3	789.4	7,786.3	0.00	0.00	0.00
19,800.0	89.67	359.69	11,727.9	7,886.3	788.8	7,886.3	0.00	0.00	0.00
19,900.0	89.67	359.69	11,728.5	7,986.3	788.3	7,986.3	0.00	0.00	0.00

Database:	Compass_DSN	Local Co-ordinate Reference:	Well Shetland 11-2 Fed State Com 732H
Company:	Devon Energy Production Company, L.P.	TVD Reference:	Cactus 168: 24' + 3212.6' @ 3236.6usft
Project:	Eddy Co, New Mexico (NAD-83)	MD Reference:	Cactus 168: 24' + 3212.6' @ 3236.6usft
Site:	Sec 11-26S-31E(Shetland)	North Reference:	Grid
Well:	Shetland 11-2 Fed State Com 732H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Prelim Plan3		

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)	
20,000.0	89.67	359.69	11,729.1	8,086.3	787.8	8,086.3	0.00	0.00	0.00	
20,100.0	89.67	359.69	11,729.7	8,186.2	787.2	8,186.2	0.00	0.00	0.00	
20,200.0	89.67	359.69	11,730.3	8,286.2	786.7	8,286.2	0.00	0.00	0.00	
20,300.0	89.67	359.69	11,730.9	8,386.2	786.2	8,386.2	0.00	0.00	0.00	
20,400.0	89.67	359.69	11,731.4	8,486.2	785.6	8,486.2	0.00	0.00	0.00	
20,500.0	89.67	359.69	11,732.0	8,586.2	785.1	8,586.2	0.00	0.00	0.00	
20,600.0	89.67	359.69	11,732.6	8,686.2	784.6	8,686.2	0.00	0.00	0.00	
20,700.0	89.67	359.69	11,733.2	8,786.2	784.0	8,786.2	0.00	0.00	0.00	
20,800.0	89.67	359.69	11,733.8	8,886.2	783.5	8,886.2	0.00	0.00	0.00	
20,900.0	89.67	359.69	11,734.4	8,986.2	783.0	8,986.2	0.00	0.00	0.00	
21,000.0	89.67	359.69	11,734.9	9,086.2	782.4	9,086.2	0.00	0.00	0.00	
21,100.0	89.67	359.69	11,735.5	9,186.2	781.9	9,186.2	0.00	0.00	0.00	
21,200.0	89.67	359.69	11,736.1	9,286.2	781.4	9,286.2	0.00	0.00	0.00	
21,300.0	89.67	359.69	11,736.7	9,386.2	780.8	9,386.2	0.00	0.00	0.00	
21,400.0	89.67	359.69	11,737.3	9,486.2	780.3	9,486.2	0.00	0.00	0.00	
21,500.0	89.67	359.69	11,737.9	9,586.2	779.8	9,586.2	0.00	0.00	0.00	
21,600.0	89.67	359.69	11,738.4	9,686.2	779.2	9,686.2	0.00	0.00	0.00	
21,700.0	89.67	359.69	11,739.0	9,786.2	778.7	9,786.2	0.00	0.00	0.00	
21,800.0	89.67	359.69	11,739.6	9,886.2	778.2	9,886.2	0.00	0.00	0.00	
21,900.0	89.67	359.69	11,740.2	9,986.2	777.6	9,986.2	0.00	0.00	0.00	
22,000.0	89.67	359.69	11,740.8	10,086.2	777.1	10,086.2	0.00	0.00	0.00	
22,100.0	89.67	359.69	11,741.4	10,186.2	776.6	10,186.2	0.00	0.00	0.00	
22,209.5	89.67	359.69	11,742.0	10,295.7	776.0	10,295.7	0.00	0.00	0.00	
TD at 22209.5										

Design Targets									
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
660'+ Slot	0.00	0.00	0.0	0.0	0.0	382,825.35	721,905.16	32° 3' 4.057 N	103° 45' 1.855 W
- plan hits target center									
- Polygon									
Point 1			0.0	155.9	828.8	382,981.25	722,733.96		
Point 2			0.0	10,295.7	776.0	393,121.05	722,681.16		
FTP-Shetland 732H	0.00	0.00	11,682.0	155.9	168.8	382,981.28	722,073.95	32° 3' 5.591 N	103° 44' 59.884 W
- plan misses target center by 172.0usft at 11929.1usft MD (11680.6 TVD, 97.1 N, 330.4 E)									
- Point									
PBHL-Shetland 732H	0.00	0.00	11,742.0	10,295.7	111.0	393,121.05	722,016.13	32° 4' 45.935 N	103° 44' 59.919 W
- plan misses target center by 665.0usft at 22209.5usft MD (11742.0 TVD, 10295.7 N, 776.0 E)									
- Point									

Database:	Compass_DSN	Local Co-ordinate Reference:	Well Shetland 11-2 Fed State Com 732H
Company:	Devon Energy Production Company, L.P.	TVD Reference:	Cactus 168: 24' + 3212.6' @ 3236.6usft
Project:	Eddy Co, New Mexico (NAD-83)	MD Reference:	Cactus 168: 24' + 3212.6' @ 3236.6usft
Site:	Sec 11-26S-31E(Shetland)	North Reference:	Grid
Well:	Shetland 11-2 Fed State Com 732H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Prelim Plan3		

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
1,177.0	1,177.0	Rustler				
1,537.1	1,537.0	Salado				
4,151.3	4,147.0	Base of Salt				
4,151.3	4,147.0	Delaware				
5,153.0	5,147.0	Cherry Canyon				
6,505.2	6,497.0	Brushy Canyon				
7,917.6	7,907.0	Lower Brushy				
8,139.8	8,129.0	Base of Delaware				
8,139.8	8,129.0	1st BSPG Lime				
8,263.9	8,253.0	Leonard A				
8,580.0	8,569.0	Leonard B				
8,856.1	8,845.0	Leonard C				
9,102.3	9,091.0	1st BSPG Sand				
9,358.4	9,347.0	2nd BSPG Lime				
9,818.4	9,807.0	2nd BSPG Sand				
10,281.5	10,270.0	3rd BSPG Lime				
11,018.5	11,007.0	3rd BSPG Sand				
11,441.9	11,422.0	Wolfcamp				
11,598.0	11,547.0	Wolfcamp Y Sand				
11,664.7	11,590.0	Wolfcamp 100				
11,960.0	11,682.0	Wolfcamp 110				

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
9,116.0	9,104.7	-317.3	153.5	Start DLS 2.00 TFO 173.30	
9,286.0	9,274.6	-314.9	151.1	Start 1932.1 hold at 9286.0 MD	
11,218.1	11,206.6	-314.9	174.7	Start DLS 12.00 TFO -70.01	
11,963.3	11,682.0	129.2	342.1	Start 1150.0 hold at 11963.3 MD	
13,113.3	11,688.9	1,209.9	735.4	Start DLS 4.00 TFO -90.04	
13,620.9	11,691.9	1,707.4	821.8	Start 8588.6 hold at 13620.9 MD	
22,209.5	11,742.0	10,295.7	776.0	TD at 22209.5	



OPERATOR: Devon Energy Production Company, L.P.
WELL NAME: Shetland 11-2 Fed State Com 732H
LOCATION: Sec 11-26S-31E(Shetland)

SKYLINE JOB# 2000X
WELLBORE: OH
PLAN VERSION: Prelim Plan3



PLAN DETAILS											
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target	Annotation
1	9116.0	2.80	304.50	9104.7	-317.3	153.5	0.00	0.00	-317.3		Start DLS 2.00 TFO 173.30
2	9286.0	0.70	90.00	9274.6	-314.9	151.1	2.00	173.30	-314.9		Start 1932.1 hold at 9286.0 MD
3	11218.1	0.70	90.00	11206.6	-314.9	174.7	0.00	0.00	-314.9		Start DLS 12.00 TFO -70.01
4	11963.3	89.66	20.00	11682.0	129.2	342.1	12.00	-70.01	129.2		Start 1150.0 hold at 11963.3 MD
5	13113.3	89.66	20.00	11688.9	1209.9	735.4	0.00	0.00	1209.9		Start DLS 4.00 TFO -90.04
6	13620.9	89.67	359.69	11691.9	1707.4	821.8	4.00	-90.04	1707.4		Start 8588.6 hold at 13620.9 MD
7	22209.5	89.67	359.69	11742.0	10295.7	776.0	0.00	0.00	10295.7		TD at 22209.5

GEODETTIC DATUM: North American Datum 1983
GEODETTIC ZONE: New Mexico Eastern Zone
SYSTEM DATUM: Mean Sea Level

SURFACE LOCATION
LATITUDE: 32° 3' 4.056 N
LONGITUDE: 103° 45' 2.553 W
NORTHING (Y): 382824.95
EASTING (X): 721845.12
0.0 FSL
0.0 FWL

GROUND LEVEL: 3212.6
Cactus 168: 24' + 3212.6' @ 3236.6usft

T

G

M

Azimuths to Grid North
True North: -0.31°
Magnetic North: 6.38°

Magnetic Field
Strength: 47500.5nT
Dip Angle: 59.84°
Date: 7/23/2020
Model: IGRF2015

Plan: Prelim Plan3 (Shetland 11-2 Fed State Com 732H/OH)

Created By: Seth Crawley Date: 14:30, August 13 2020

