

Well Name: MARWARI 21-16 STATE FED COM	Well Location: T25S / R32E / SEC 28 / NWE / 32.1077886 / -103.6770178	County or Parish/State: LEA / NM
Well Number: 123H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMLC061869	Unit or CA Name:	Unit or CA Number:
US Well Number: 3002549162	Operator: DEVON ENERGY PRODUCTION COMPANY LP	

Notice of Intent

Sundry ID: 2831410

Type of Submission: Notice of Intent	Type of Action: APD Change
Date Sundry Submitted: 01/14/2025	Time Sundry Submitted: 07:01
Date proposed operation will begin: 01/13/2025	

Procedure Description: Devon Energy Production Co., L.P. (Devon) respectfully requests to change the BHL and spacing on the subject well. Dedicated acreage changes from 320 acs to 640 acs. Please see attached revised C102 and Drill plan. Permitted BHL: NENW 20 FNL, 2550 FWL, 16-25S-32E Proposed BHL: NENW 51 FNL, 2500 FWL, 16-25S-32E

NOI Attachments

Procedure Description

MARWARI_21_16_STATE_FED_COM_123H_DIRECTIONAL_PLAN_FINAL_SURVEYS_20250114065858.pdf

MARWARI_21_16_STATE_FED_COM_123H_AS_DRILLED_SIGNED_20250113112845.pdf

Received by OCD: 1/22/2025 7:59:03 AM

Page 2 of 17

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Lease Number: NMLC061869	Unit or CA Name:	Unit or CA Number:
US Well Number: 3002549162	Operator: DEVON ENERGY PRODUCTION COMPANY LP	

Operator

I certify that the foregoing is true and correct. 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. Electronic submission of Sundry Notices through this system satisfies regulations requiring a

Operator Electronic Signature: SHANDEE THOMAS	Signed on: JAN 13, 2025 11:28 AM
Name: DEVON ENERGY PRODUCTION COMPANY LP	
Title: Regulatory Professional	
Street Address: 333 W SHERDIAN AVE	
City: OKLAHOMA CITY	State: OK
Phone: (405) 552-7853	
Email address: SHANDEE.THOMAS@DVN.COM	

Field

Representative Name:		
Street Address:		
City:	State:	Zip:
Phone:		
Email address:		

BLM Point of Contact

BLM POC Name: LONG VO	BLM POC Title: Petroleum Engineer
BLM POC Phone: 5759885402	BLM POC Email Address: LVO@BLM.GOV
Disposition: Approved	Disposition Date: 01/22/2025
Signature: Long Vo	

Form 3160-5 (June 2019)	UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT	FORM APPROVED OMB No. 1004-0137 Expires: October 31, 2021
SUNDRY NOTICES AND REPORTS ON WELLS <i>Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.</i>		5. Lease Serial No.
		6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2		7. If Unit of CA/Agreement, Name and/or No.
1. Type of Well ☐ Oil Well ☐ Gas Well ☐ Other		8. Well Name and No.
2. Name of Operator		9. API Well No.
3a. Address	3b. Phone No. (include area code)	10. Field and Pool or Exploratory Area
4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description)		11. Country or Parish, State

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	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

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 recompleate 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 perfonned 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 recompletion 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 detennined that the site is ready for final inspection.)

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)		
	Title	
Signature	Date	

THE SPACE FOR FEDERAL OR STATE OFFICE USE		
Approved by	Title	Date
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	

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)

GENERAL INSTRUCTIONS

This form is designed for submitting proposals to perform certain well operations and reports of such operations when completed as indicated on Federal and Indian lands pursuant to applicable Federal law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local area or regional procedures and practices, are either shown below, will be issued by or may be obtained from the local Federal office.

SPECIFIC INSTRUCTIONS

Item 4 - Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult the local Federal office for specific instructions.

Item 13: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by the local Federal office. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to the top of any tubing left in the hole; method of closing top of well and date well site conditioned for final inspection looking for approval of the abandonment. If the proposal will involve **hydraulic fracturing operations**, you must comply with 43 CFR 3162.3-3, including providing information about the protection of usable water. Operators should provide the best available information about all formations containing water and their depths. This information could include data and interpretation of resistivity logs run on nearby wells. Information may also be obtained from state or tribal regulatory agencies and from local BLM offices.

NOTICES

The privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.

PRINCIPAL PURPOSE: The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c) and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.

ROUTINE USES: Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.

EFFECT OF NOT PROVIDING THE INFORMATION: Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

The Paperwork Reduction Act of 1995 requires us to inform you that:

The BLM collects this information to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

Response to this request is mandatory.

The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

BURDEN HOURS STATEMENT: Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C St., N.W., Mail Stop 401 LS, Washington, D.C. 20240

Additional Information

Location of Well

0. SHL: NWNE / 175 FNL / 1870 FEL / TWSP: 25S / RANGE: 32E / SECTION: 28 / LAT: 32.1077886 / LONG: -103.6770178 (TVD: 0 feet, MD: 0 feet)

PPP: SWSE / 100 FSL / 2550 FWL / TWSP: 25S / RANGE: 32E / SECTION: 21 / LAT: 32.108959 / LONG: -103.677352 (TVD: 11997 feet, MD: 12235 feet)

BHL: NWNE / 20 FNL / 2550 FWL / TWSP: 25S / RANGE: 32E / SECTION: 16 / LAT: 32.1376391 / LONG: -103.6775709 (TVD: 12005 feet, MD: 22669 feet)

CONFIDENTIAL



MARWARI 21-16 STATE FED COM 123H

WELL DETAILS: MARWARI 21-16 STATE FED COM 123H

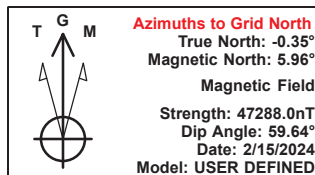
ELEVATION: 3389.6' GL + 30' KB @ 3419.60usft (Original Well Elev)
+N/-S +E/-W Northing Easting Latitude Longitude
0.00 0.00 403716.74 744389.98 32.10819862 -103.67753510

ANNOTATIONS

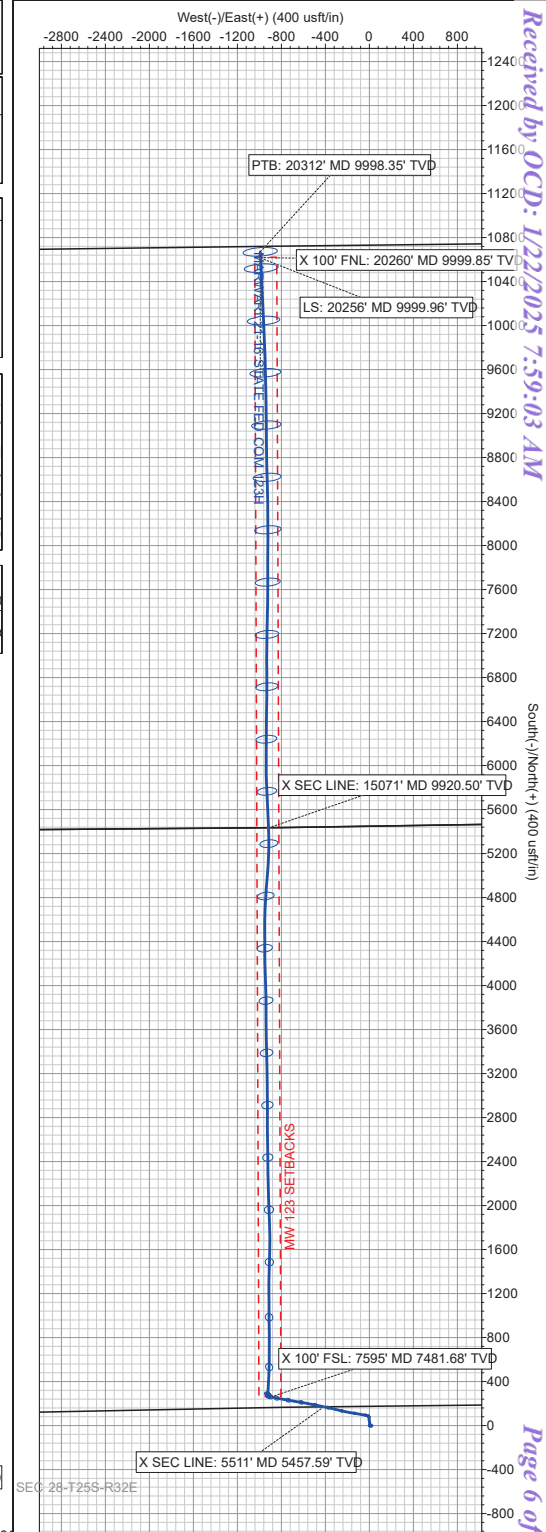
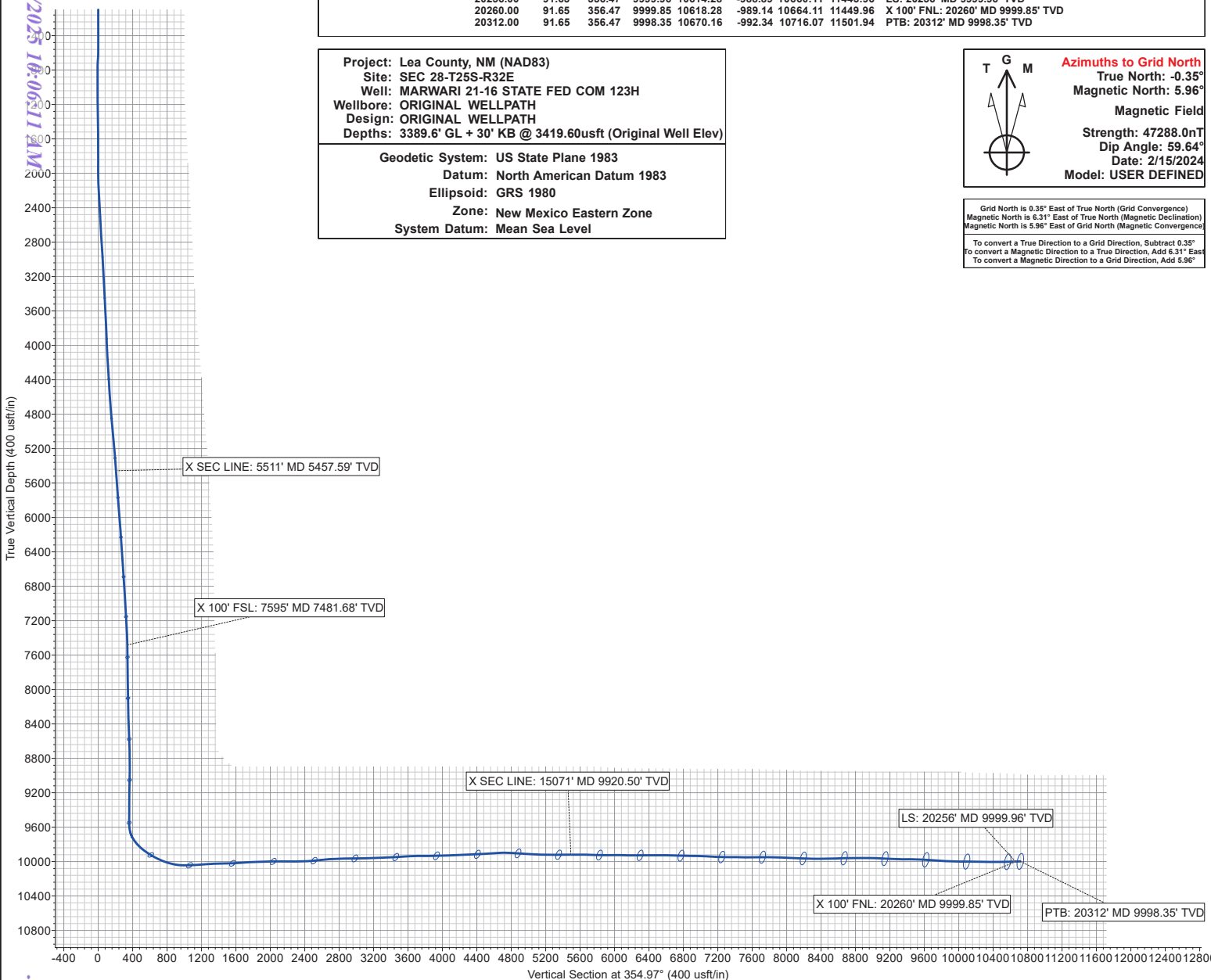
MD	Inc	Azi	TVD	+N/-S	+E/-W	VSect	Departure	Annotation
5511.00	14.24	281.83	5457.59	170.99	-413.15	206.56	554.88	X SEC LINE: 5511' MD 5457.59' TVD
7595.00	5.37	278.79	7481.68	261.00	-892.40	338.24	1042.23	X 100' FSL: 7595' MD 7481.68' TVD
15071.00	90.16	357.92	9920.50	5433.20	-917.16	5492.69	6263.11	X SEC LINE: 15071' MD 9920.50' TVD
20256.00	91.65	356.47	9999.96	10614.28	-988.89	10660.11	11445.96	LS: 20256' MD 9999.96' TVD
20260.00	91.65	356.47	9999.85	10618.28	-989.14	10664.11	11449.96	X 100' FNL: 20260' MD 9999.85' TVD
20312.00	91.65	356.47	9998.35	10670.16	-992.34	10716.07	11501.94	PTB: 20312' MD 9998.35' TVD

Project: Lea County, NM (NAD83)
Site: SEC 28-T25S-R32E
Well: MARWARI 21-16 STATE FED COM 123H
Wellbore: ORIGINAL WELLPATH
Design: ORIGINAL WELLPATH
Depths: 3389.6' GL + 30' KB @ 3419.60usft (Original Well Elev)

Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: New Mexico Eastern Zone
System Datum: Mean Sea Level



Grid North is 0.35° East of True North (Grid Convergence)
Magnetic North is 6.31° East of True North (Magnetic Declination)
Magnetic North is 5.96° East of Grid North (Magnetic Convergence)
To convert a True Direction to a Grid Direction, Subtract 0.35°
To convert a Magnetic Direction to a True Direction, Add 6.31° East
To convert a Magnetic Direction to a Grid Direction, Add 5.96°



South(-)/North(+) (400 usft/in)



MARWARI 21-16 STATE FED COM 123H

WELL DETAILS: MARWARI 21-16 STATE FED COM 123H

ELEVATION: 3389.6' GL + 30' KB @ 3419.60usft (Original Well Elev)

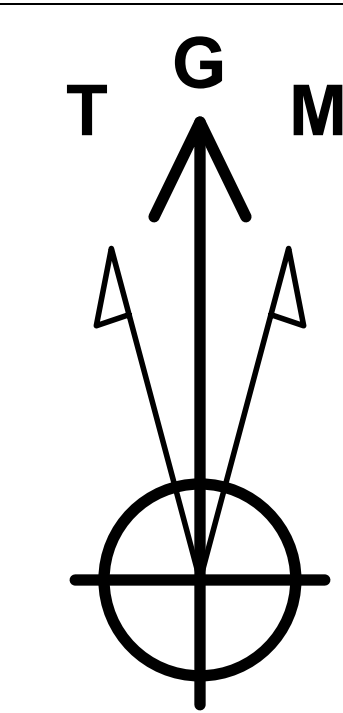
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	403716.74	744389.98	32.10819862	-103.67753510

ANNOTATIONS

MD	Inc	Azi	TVD	+N/-S	+E/-W	VSect	Departure	Annotation
5511.00	14.24	281.83	5457.59	170.99	-413.15	206.56	554.88	X SEC LINE: 5511' MD 5457.59' TVD
7595.00	5.37	278.79	7481.68	261.00	-892.40	338.24	1042.23	X 100' FSL: 7595' MD 7481.68' TVD
15071.00	90.16	357.92	9920.50	5433.20	-917.16	5492.69	6263.11	X SEC LINE: 15071' MD 9920.50' TVD
20256.00	91.65	356.47	9999.96	10614.28	-988.89	10660.11	11445.96	LS: 20256' MD 9999.96' TVD
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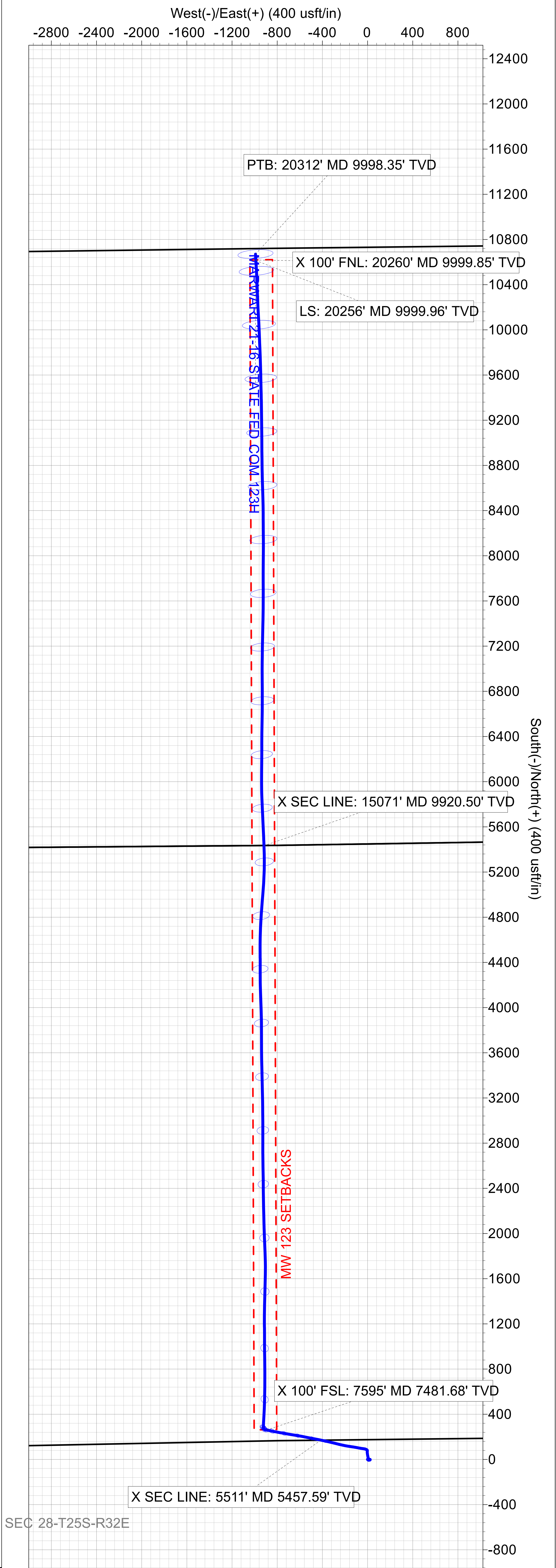
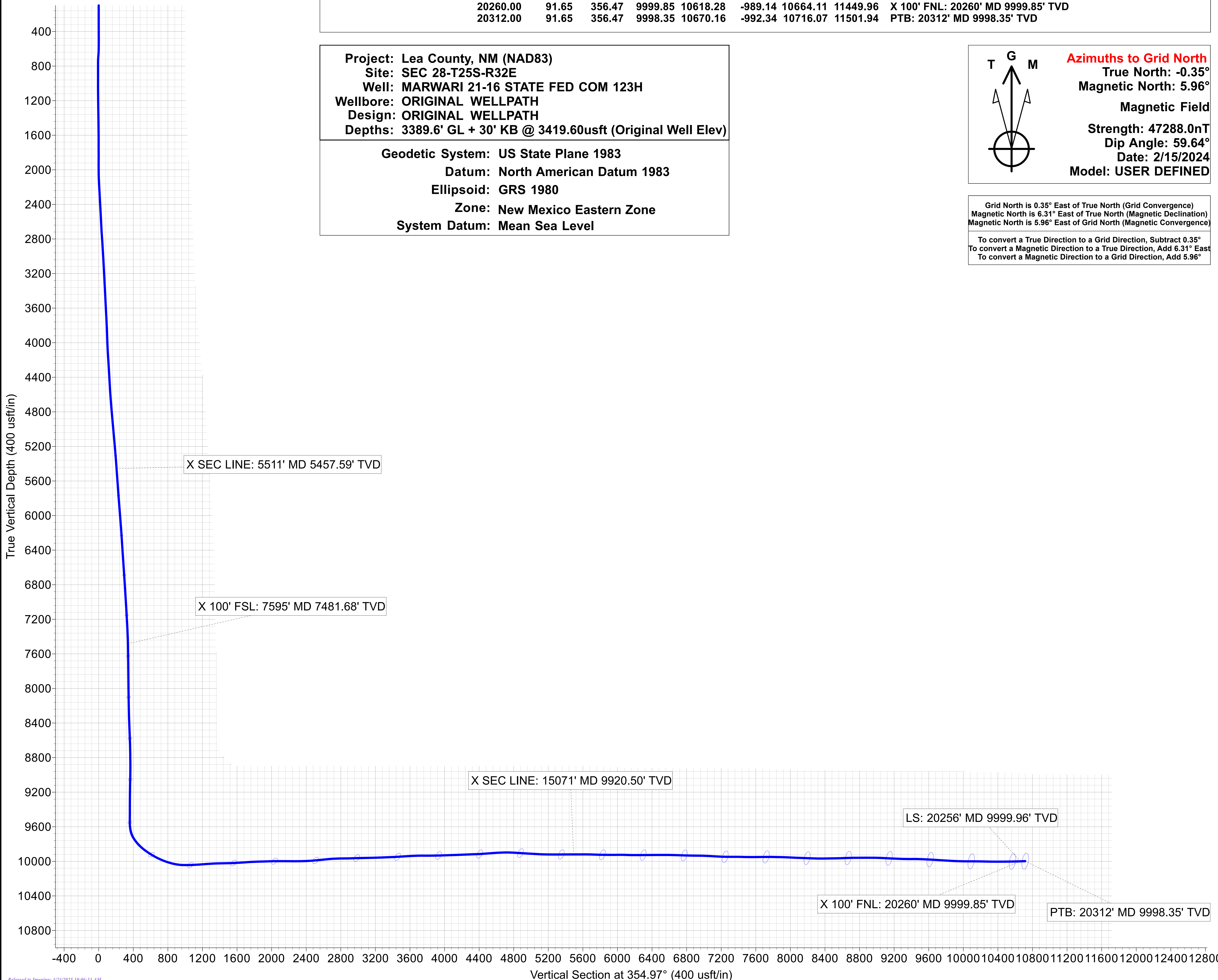


Azimuths to Grid North
True North: -0.35°
Magnetic North: 5.96°

Magnetic Field
Strength: 47288.0nT
Dip Angle: 59.64°
Date: 2/15/2024
Model: USER DEFINED

Grid North is 0.35° East of True North (Grid Convergence)
Magnetic North is 6.31° East of True North (Magnetic Declination)
Magnetic North is 5.96° East of Grid North (Magnetic Convergence)

To convert a True Direction to a Grid Direction, Subtract 0.35°
To convert a Magnetic Direction to a True Direction, Add 6.31° East
To convert a Magnetic Direction to a Grid Direction, Add 5.96°





Survey Report



Company:	DEVON ENERGY	Local Co-ordinate Reference:	Well MARWARI 21-16 STATE FED COM 123H
Project:	Lea County, NM (NAD83)	TVD Reference:	3389.6' GL + 30' KB @ 3419.60usft (Original Well Elev)
Site:	SEC 28-T25S-R32E	MD Reference:	3389.6' GL + 30' KB @ 3419.60usft (Original Well Elev)
Well:	MARWARI 21-16 STATE FED COM 123H	North Reference:	Grid
Wellbore:	ORIGINAL WELLPATH	Survey Calculation Method:	Minimum Curvature
Design:	ORIGINAL WELLPATH	Database:	1 - EDM Production

Project	Lea County, NM (NAD83)		
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 28-T25S-R32E				
Site Position:		Northing:	403,716.74	usft	Latitude:	32.10819861
From:	Map	Easting:	744,389.98	usft	Longitude:	-103.67753510
Position Uncertainty:		0.50	usft	Slot Radius:	13-3/16	"

Well		MARWARI 21-16 STATE FED COM 123H				
Well Position	+N/-S	0.00 usft	Northing:	403,716.74 usft	Latitude:	32.10819861
	+E/-W	0.00 usft	Easting:	744,389.98 usft	Longitude:	-103.67753510
Position Uncertainty		0.50 usft	Wellhead Elevation:	usft	Ground Level:	3,389.60 usft
Grid Convergence:		0.35 °				

Wellbore	ORIGINAL WELLPATH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	User Defined	2/15/2024	6.31	59.64	47,288.00000000

Design	ORIGINAL WELLPATH				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.00	0.00	0.00	354.97	

Survey Program	Date	4/24/2024			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
177.00	20,312.00	MWD SURVEYS (ORIGINAL WELLPATH)	MWD+HRGM	OWSG MWD + HRGM	

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	
177.00	0.35	275.96	177.00	0.06	-0.54	0.10	0.20	0.20	0.00	
302.00	0.62	73.37	302.00	0.29	-0.27	0.31	0.76	0.22	125.93	
395.00	0.75	71.70	394.99	0.62	0.79	0.55	0.14	0.14	-1.80	
489.00	1.41	88.93	488.97	0.84	2.53	0.61	0.77	0.70	18.33	
583.00	1.89	86.47	582.93	0.96	5.23	0.49	0.52	0.51	-2.62	
677.00	4.88	180.95	676.81	-2.95	6.72	-3.53	5.71	3.18	100.51	
770.00	1.85	82.34	769.68	-6.71	8.14	-7.39	5.88	-3.26	-106.03	



Survey Report



Company:	DEVON ENERGY	Local Co-ordinate Reference:	Well MARWARI 21-16 STATE FED COM 123H
Project:	Lea County, NM (NAD83)	TVD Reference:	3389.6' GL + 30' KB @ 3419.60usft (Original Well Elev)
Site:	SEC 28-T25S-R32E	MD Reference:	3389.6' GL + 30' KB @ 3419.60usft (Original Well Elev)
Well:	MARWARI 21-16 STATE FED COM 123H	North Reference:	Grid
Wellbore:	ORIGINAL WELLPATH	Survey Calculation Method:	Minimum Curvature
Design:	ORIGINAL WELLPATH	Database:	1 - EDM Production

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)
864.00	2.02	82.86	863.63	-6.30	11.29	-7.26	0.18	0.18	0.55
888.00	2.51	86.91	887.61	-6.22	12.23	-7.27	2.15	2.04	16.88
1,018.00	1.93	87.26	1,017.51	-5.96	17.26	-7.45	0.45	-0.45	0.27
1,111.00	1.80	74.51	1,110.47	-5.49	20.23	-7.25	0.47	-0.14	-13.71
1,267.00	1.19	18.26	1,266.42	-3.30	23.10	-5.31	0.97	-0.39	-36.06
1,361.00	1.01	359.98	1,360.40	-1.55	23.41	-3.59	0.42	-0.19	-19.45
1,456.00	0.97	319.03	1,455.39	-0.10	22.88	-2.11	0.73	-0.04	-43.11
1,551.00	1.45	276.93	1,550.37	0.65	21.16	-1.21	1.03	0.51	-44.32
1,646.00	1.36	269.10	1,645.34	0.78	18.84	-0.88	0.22	-0.09	-8.24
1,741.00	1.19	282.11	1,740.32	0.97	16.75	-0.51	0.35	-0.18	13.69
1,836.00	0.97	254.69	1,835.30	0.96	15.01	-0.36	0.58	-0.23	-28.86
1,932.00	0.97	248.63	1,931.29	0.45	13.47	-0.73	0.11	0.00	-6.31
2,027.00	1.36	295.65	2,026.27	0.65	11.70	-0.38	1.05	0.41	49.49
2,121.00	2.73	331.51	2,120.21	3.10	9.63	2.24	1.93	1.46	38.15
2,217.00	3.38	340.12	2,216.07	7.77	7.57	7.07	0.83	0.68	8.97
2,312.00	3.12	337.57	2,310.92	12.79	5.64	12.25	0.31	-0.27	-2.68
2,407.00	3.25	348.82	2,405.78	17.82	4.13	17.39	0.67	0.14	11.84
2,502.00	3.08	353.66	2,500.63	23.00	3.32	22.62	0.33	-0.18	5.09
2,597.00	2.68	351.46	2,595.51	27.73	2.71	27.39	0.44	-0.42	-2.32
2,692.00	3.21	346.18	2,690.39	32.51	1.75	32.23	0.63	0.56	-5.56
2,787.00	3.87	350.58	2,785.20	38.26	0.59	38.06	0.75	0.69	4.63
2,883.00	3.87	348.82	2,880.98	44.63	-0.57	44.51	0.12	0.00	-1.83
2,978.00	3.43	351.46	2,975.79	50.59	-1.62	50.53	0.50	-0.46	2.78
3,073.00	3.08	354.01	3,070.64	55.94	-2.30	55.92	0.40	-0.37	2.68
3,169.00	2.90	355.41	3,166.51	60.92	-2.77	60.93	0.20	-0.19	1.46
3,264.00	2.95	2.18	3,261.38	65.76	-2.87	65.76	0.37	0.05	7.13
3,360.00	2.95	2.44	3,357.26	70.70	-2.67	70.66	0.01	0.00	0.27
3,455.00	3.03	10.27	3,452.13	75.61	-2.12	75.50	0.44	0.08	8.24
3,550.00	2.99	334.50	3,547.01	80.32	-2.73	80.25	1.95	-0.04	-37.65
3,645.00	4.09	310.41	3,641.83	84.75	-6.38	84.98	1.92	1.16	-25.36
3,740.00	5.89	294.94	3,736.47	89.00	-13.38	89.83	2.35	1.89	-16.28
3,835.00	7.08	284.66	3,830.86	92.54	-23.47	94.24	1.75	1.25	-10.82
3,930.00	8.48	277.54	3,924.99	94.94	-36.08	97.74	1.79	1.47	-7.49
4,025.00	9.93	277.72	4,018.76	96.96	-51.14	101.07	1.53	1.53	0.19
4,121.00	11.82	280.35	4,113.03	99.84	-69.01	105.51	2.03	1.97	2.74
4,216.00	13.76	281.23	4,205.67	103.79	-89.67	111.25	2.05	2.04	0.93
4,312.00	13.76	279.74	4,298.92	107.94	-112.12	117.36	0.37	0.00	-1.55
4,407.00	12.66	277.98	4,391.40	111.30	-133.57	122.58	1.23	-1.16	-1.85
4,501.00	13.54	278.68	4,482.95	114.39	-154.64	127.51	0.95	0.94	0.74
4,597.00	15.16	280.53	4,575.96	118.38	-178.10	133.54	1.75	1.69	1.93
4,691.00	14.95	280.88	4,666.73	122.91	-202.09	140.16	0.24	-0.22	0.37
4,787.00	15.30	281.32	4,759.41	127.74	-226.67	147.12	0.38	0.36	0.46



Survey Report



Company:	DEVON ENERGY	Local Co-ordinate Reference:	Well MARWARI 21-16 STATE FED COM 123H
Project:	Lea County, NM (NAD83)	TVD Reference:	3389.6' GL + 30' KB @ 3419.60usft (Original Well Elev)
Site:	SEC 28-T25S-R32E	MD Reference:	3389.6' GL + 30' KB @ 3419.60usft (Original Well Elev)
Well:	MARWARI 21-16 STATE FED COM 123H	North Reference:	Grid
Wellbore:	ORIGINAL WELLPATH	Survey Calculation Method:	Minimum Curvature
Design:	ORIGINAL WELLPATH	Database:	1 - EDM Production

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)
4,882.00	16.40	284.13	4,850.79	133.47	-251.96	155.05	1.41	1.16	2.96
4,977.00	15.96	284.40	4,942.03	140.00	-277.62	163.80	0.47	-0.46	0.28
5,073.00	15.56	283.43	5,034.42	146.27	-302.93	172.27	0.50	-0.42	-1.01
5,168.00	15.25	283.17	5,126.01	152.07	-327.49	180.20	0.33	-0.33	-0.27
5,263.00	15.21	282.73	5,217.67	157.67	-351.81	187.91	0.13	-0.04	-0.46
5,358.00	14.86	282.38	5,309.42	163.02	-375.86	195.35	0.38	-0.37	-0.37
5,453.00	14.24	281.94	5,401.37	168.05	-399.19	202.41	0.66	-0.65	-0.46
5,511.00	14.24	281.83	5,457.59	170.99	-413.15	206.56	0.05	0.00	-0.19
X SEC LINE: 5511' MD 5457.59' TVD									
5,548.00	14.24	281.76	5,493.45	172.85	-422.06	209.19	0.05	0.00	-0.19
5,643.00	15.03	281.06	5,585.37	177.60	-445.59	215.98	0.85	0.83	-0.74
5,739.00	14.86	280.35	5,678.12	182.20	-469.92	222.70	0.26	-0.18	-0.74
5,834.00	15.03	281.06	5,769.91	186.75	-493.99	229.34	0.26	0.18	0.75
5,929.00	14.99	281.23	5,861.67	191.50	-518.13	236.20	0.06	-0.04	0.18
6,024.00	15.78	281.59	5,953.26	196.49	-542.84	243.33	0.84	0.83	0.38
6,120.00	16.18	281.06	6,045.55	201.68	-568.75	250.77	0.44	0.42	-0.55
6,215.00	15.65	280.27	6,136.91	206.50	-594.35	257.82	0.60	-0.56	-0.83
6,311.00	15.08	279.30	6,229.48	210.83	-619.41	264.33	0.65	-0.59	-1.01
6,406.00	14.55	278.77	6,321.32	214.65	-643.40	270.23	0.58	-0.56	-0.56
6,501.00	15.21	279.30	6,413.14	218.48	-667.50	276.16	0.71	0.69	0.56
6,596.00	15.21	279.92	6,504.81	222.64	-692.07	282.46	0.17	0.00	0.65
6,691.00	14.37	280.09	6,596.66	226.85	-715.95	288.75	0.89	-0.88	0.18
6,787.00	14.02	279.92	6,689.73	230.94	-739.13	294.86	0.37	-0.36	-0.18
6,882.00	13.89	279.65	6,781.92	234.84	-761.71	300.72	0.15	-0.14	-0.28
6,978.00	13.14	280.62	6,875.27	238.78	-783.80	306.58	0.82	-0.78	1.01
7,072.00	12.92	281.41	6,966.85	242.83	-804.60	312.44	0.30	-0.23	0.84
7,168.00	12.22	280.35	7,060.54	246.78	-825.11	318.17	0.77	-0.73	-1.10
7,263.00	11.52	280.44	7,153.51	250.30	-844.33	323.37	0.74	-0.74	0.09
7,358.00	9.76	283.96	7,246.88	253.96	-861.48	328.52	1.97	-1.85	3.71
7,453.00	8.31	284.13	7,340.69	257.58	-875.95	333.39	1.53	-1.53	0.18
7,549.00	6.24	280.44	7,435.92	260.22	-887.81	337.06	2.21	-2.16	-3.84
7,595.00	5.37	278.79	7,481.68	261.00	-892.40	338.24	1.94	-1.90	-3.60
X 100' FSL: 7595' MD 7481.68' TVD									
7,644.00	4.44	276.31	7,530.50	261.56	-896.55	339.16	1.94	-1.89	-5.05
7,739.00	2.99	280.09	7,625.30	262.40	-902.64	340.53	1.55	-1.53	3.98
7,834.00	2.02	278.07	7,720.21	263.07	-906.74	341.56	1.03	-1.02	-2.13
7,929.00	1.98	283.52	7,815.15	263.69	-909.99	342.46	0.20	-0.04	5.74
8,024.00	1.71	291.69	7,910.10	264.60	-912.90	343.62	0.40	-0.28	8.60
8,120.00	1.36	293.98	8,006.07	265.59	-915.27	344.82	0.37	-0.36	2.39
8,215.00	1.41	306.55	8,101.04	266.74	-917.24	346.14	0.32	0.05	13.23
8,310.00	1.49	305.40	8,196.01	268.15	-919.19	347.71	0.09	0.08	-1.21
8,405.00	1.76	326.32	8,290.97	270.08	-921.01	349.80	0.68	0.28	22.02



Survey Report



Company:	DEVON ENERGY	Local Co-ordinate Reference:	Well MARWARI 21-16 STATE FED COM 123H
Project:	Lea County, NM (NAD83)	TVD Reference:	3389.6' GL + 30' KB @ 3419.60usft (Original Well Elev)
Site:	SEC 28-T25S-R32E	MD Reference:	3389.6' GL + 30' KB @ 3419.60usft (Original Well Elev)
Well:	MARWARI 21-16 STATE FED COM 123H	North Reference:	Grid
Wellbore:	ORIGINAL WELLPATH	Survey Calculation Method:	Minimum Curvature
Design:	ORIGINAL WELLPATH	Database:	1 - EDM Production

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)	
8,501.00	1.98	355.68	8,386.92	272.96	-921.95	352.75	1.01	0.23	30.58	
8,596.00	2.64	13.08	8,481.84	276.73	-921.58	356.47	1.01	0.69	18.32	
8,691.00	2.59	22.84	8,576.75	280.84	-920.25	360.45	0.47	-0.05	10.27	
8,786.00	1.49	31.98	8,671.68	283.87	-918.76	363.33	1.20	-1.16	9.62	
8,881.00	0.84	329.40	8,766.67	285.51	-918.46	364.94	1.40	-0.68	-65.87	
8,977.00	2.37	278.68	8,862.63	286.42	-920.78	366.05	2.03	1.59	-52.83	
9,071.00	2.24	251.35	8,956.56	286.12	-924.44	366.08	1.17	-0.14	-29.07	
9,167.00	1.49	200.46	9,052.51	284.36	-926.66	364.51	1.81	-0.78	-53.01	
9,261.00	1.41	117.67	9,146.49	282.67	-926.06	362.78	2.04	-0.09	-88.07	
9,357.00	0.79	154.23	9,242.47	281.53	-924.73	361.52	0.94	-0.65	38.08	
9,452.00	0.31	132.79	9,337.47	280.76	-924.25	360.72	0.54	-0.51	-22.57	
9,569.00	0.09	104.84	9,454.47	280.53	-923.93	360.46	0.20	-0.19	-23.89	
9,664.00	1.27	114.15	9,549.46	280.08	-922.90	359.92	1.24	1.24	9.80	
9,759.00	11.43	359.81	9,643.85	289.09	-921.97	368.82	12.64	10.69	-120.36	
9,854.00	31.65	2.53	9,731.76	323.77	-920.89	403.26	21.30	21.28	2.86	
9,949.00	43.74	3.67	9,806.79	381.66	-917.67	460.65	12.75	12.73	1.20	
10,045.00	53.41	2.18	9,870.24	453.46	-914.07	531.86	10.14	10.07	-1.55	
10,140.00	58.77	1.65	9,923.22	532.23	-911.45	610.09	5.66	5.64	-0.56	
10,235.00	64.53	0.07	9,968.31	615.79	-910.23	693.22	6.24	6.06	-1.66	
10,330.00	70.81	0.25	10,004.39	703.62	-909.98	780.69	6.61	6.61	0.19	
10,425.00	77.76	0.07	10,030.10	795.01	-909.73	871.71	7.32	7.32	-0.19	
10,521.00	86.99	358.75	10,042.83	890.05	-910.72	966.47	9.71	9.61	-1.38	
10,616.00	92.09	359.72	10,043.59	985.01	-911.98	1,061.18	5.46	5.37	1.02	
10,711.00	94.64	359.98	10,038.02	1,079.84	-912.23	1,155.66	2.70	2.68	0.27	
10,806.00	93.80	359.28	10,031.03	1,174.57	-912.85	1,250.09	1.15	-0.88	-0.74	
10,901.00	93.10	0.60	10,025.31	1,269.40	-912.94	1,344.56	1.57	-0.74	1.39	
10,996.00	89.89	0.77	10,022.83	1,364.35	-911.81	1,439.04	3.38	-3.38	0.18	
11,118.00	92.40	1.83	10,020.39	1,486.28	-909.04	1,560.26	2.23	2.06	0.87	
11,213.00	94.55	1.57	10,014.63	1,581.06	-906.23	1,654.43	2.28	2.26	-0.27	
11,308.00	93.63	0.25	10,007.86	1,675.80	-904.73	1,748.67	1.69	-0.97	-1.39	
11,404.00	90.99	358.58	10,003.99	1,771.71	-905.71	1,844.30	3.25	-2.75	-1.74	
11,499.00	92.22	357.70	10,001.33	1,866.62	-908.79	1,939.11	1.59	1.29	-0.93	
11,594.00	91.16	357.35	9,998.53	1,961.49	-912.89	2,033.97	1.17	-1.12	-0.37	
11,690.00	89.45	358.49	9,998.02	2,057.42	-916.37	2,129.84	2.14	-1.78	1.19	
11,785.00	89.49	358.75	9,998.89	2,152.38	-918.66	2,224.64	0.28	0.04	0.27	
11,880.00	90.46	358.58	9,998.94	2,247.36	-920.87	2,319.44	1.04	1.02	-0.18	
11,975.00	92.70	359.37	9,996.32	2,342.30	-922.57	2,414.17	2.50	2.36	0.83	
12,070.00	95.43	359.72	9,989.58	2,437.05	-923.33	2,508.62	2.90	2.87	0.37	
12,166.00	96.48	358.75	9,979.62	2,532.52	-924.60	2,603.83	1.49	1.09	-1.01	
12,261.00	93.93	359.10	9,971.01	2,627.10	-926.37	2,698.21	2.71	-2.68	0.37	
12,356.00	90.29	359.81	9,967.51	2,722.02	-927.28	2,792.84	3.90	-3.83	0.75	
12,452.00	91.30	0.07	9,966.18	2,818.01	-927.38	2,888.47	1.09	1.05	0.27	



Survey Report



Company:	DEVON ENERGY	Local Co-ordinate Reference:	Well MARWARI 21-16 STATE FED COM 123H
Project:	Lea County, NM (NAD83)	TVD Reference:	3389.6' GL + 30' KB @ 3419.60usft (Original Well Elev)
Site:	SEC 28-T25S-R32E	MD Reference:	3389.6' GL + 30' KB @ 3419.60usft (Original Well Elev)
Well:	MARWARI 21-16 STATE FED COM 123H	North Reference:	Grid
Wellbore:	ORIGINAL WELLPATH	Survey Calculation Method:	Minimum Curvature
Design:	ORIGINAL WELLPATH	Database:	1 - EDM Production

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)	
12,547.00	91.87	0.16	9,963.55	2,912.97	-927.19	2,983.05	0.61	0.60	0.09	
12,642.00	90.81	359.28	9,961.33	3,007.94	-927.65	3,077.69	1.45	-1.12	-0.93	
12,737.00	91.47	359.54	9,959.44	3,102.92	-928.63	3,172.39	0.75	0.69	0.27	
12,833.00	92.53	359.10	9,956.09	3,198.85	-929.77	3,268.05	1.20	1.10	-0.46	
12,927.00	92.22	358.31	9,952.19	3,292.74	-931.89	3,361.77	0.90	-0.33	-0.84	
13,023.00	93.05	358.75	9,947.78	3,388.61	-934.35	3,457.48	0.98	0.86	0.46	
13,118.00	94.33	358.84	9,941.66	3,483.39	-936.34	3,552.07	1.35	1.35	0.09	
13,213.00	92.00	359.02	9,936.42	3,578.22	-938.11	3,646.69	2.46	-2.45	0.19	
13,308.00	89.67	359.72	9,935.04	3,673.20	-939.16	3,741.40	2.56	-2.45	0.74	
13,403.00	90.20	0.33	9,935.14	3,768.20	-939.12	3,836.03	0.85	0.56	0.64	
13,498.00	92.04	359.28	9,933.29	3,863.17	-939.44	3,930.66	2.23	1.94	-1.11	
13,594.00	92.00	358.05	9,929.90	3,959.09	-941.68	4,026.40	1.28	-0.04	-1.28	
13,689.00	91.65	358.14	9,926.88	4,053.98	-944.83	4,121.21	0.38	-0.37	0.09	
13,784.00	92.62	357.87	9,923.34	4,148.86	-948.14	4,216.01	1.06	1.02	-0.28	
13,879.00	91.91	359.37	9,919.58	4,243.75	-950.42	4,310.74	1.75	-0.75	1.58	
13,975.00	92.48	0.33	9,915.91	4,339.68	-950.67	4,406.32	1.16	0.59	1.00	
14,070.00	95.47	359.54	9,909.32	4,434.44	-950.78	4,500.73	3.25	3.15	-0.83	
14,165.00	93.63	359.72	9,901.78	4,529.14	-951.39	4,595.11	1.95	-1.94	0.19	
14,260.00	91.12	1.21	9,897.85	4,624.04	-950.62	4,689.58	3.07	-2.64	1.57	
14,356.00	87.08	3.06	9,899.36	4,719.94	-947.05	4,784.80	4.63	-4.21	1.93	
14,451.00	86.20	3.59	9,904.92	4,814.62	-941.55	4,878.63	1.08	-0.93	0.56	
14,546.00	86.81	4.38	9,910.72	4,909.21	-934.96	4,972.28	1.05	0.64	0.83	
14,642.00	86.55	5.17	9,916.27	5,004.71	-926.98	5,066.72	0.87	-0.27	0.82	
14,737.00	88.88	3.06	9,920.06	5,099.38	-920.17	5,160.42	3.31	2.45	-2.22	
14,833.00	89.49	2.00	9,921.43	5,195.28	-915.93	5,255.58	1.27	0.64	-1.10	
14,928.00	91.12	0.25	9,920.92	5,290.25	-914.07	5,350.02	2.52	1.72	-1.84	
15,023.00	89.54	358.05	9,920.38	5,385.23	-915.48	5,444.76	2.85	-1.66	-2.32	
15,071.00	90.16	357.92	9,920.50	5,433.20	-917.16	5,492.69	1.31	1.28	-0.27	
X SEC LINE: 15071' MD 9920.50' TVD										
15,119.00	90.77	357.79	9,920.12	5,481.16	-918.96	5,540.63	1.31	1.28	-0.27	
15,214.00	89.45	357.26	9,919.93	5,576.07	-923.06	5,635.53	1.50	-1.39	-0.56	
15,309.00	87.74	357.43	9,922.26	5,670.94	-927.46	5,730.42	1.81	-1.80	0.18	
15,404.00	89.05	357.52	9,924.92	5,765.81	-931.64	5,825.29	1.38	1.38	0.09	
15,499.00	90.11	357.61	9,925.62	5,860.72	-935.68	5,920.19	1.12	1.12	0.09	
15,594.00	90.51	359.54	9,925.11	5,955.68	-938.04	6,014.99	2.07	0.42	2.03	
15,689.00	87.91	0.25	9,926.42	6,050.66	-938.22	6,109.62	2.84	-2.74	0.75	
15,784.00	90.20	0.77	9,927.98	6,145.64	-937.37	6,204.16	2.47	2.41	0.55	
15,878.00	90.11	0.25	9,927.73	6,239.64	-936.53	6,297.72	0.56	-0.10	-0.55	
15,974.00	91.08	359.90	9,926.73	6,335.63	-936.41	6,393.33	1.07	1.01	-0.36	
16,069.00	89.36	0.69	9,926.37	6,430.62	-935.92	6,487.92	1.99	-1.81	0.83	
16,164.00	90.20	1.30	9,926.73	6,525.61	-934.27	6,582.39	1.09	0.88	0.64	
16,260.00	87.60	0.51	9,928.57	6,621.57	-932.75	6,677.85	2.83	-2.71	-0.82	



Survey Report



Company:	DEVON ENERGY	Local Co-ordinate Reference:	Well MARWARI 21-16 STATE FED COM 123H
Project:	Lea County, NM (NAD83)	TVD Reference:	3389.6' GL + 30' KB @ 3419.60usft (Original Well Elev)
Site:	SEC 28-T25S-R32E	MD Reference:	3389.6' GL + 30' KB @ 3419.60usft (Original Well Elev)
Well:	MARWARI 21-16 STATE FED COM 123H	North Reference:	Grid
Wellbore:	ORIGINAL WELLPATH	Survey Calculation Method:	Minimum Curvature
Design:	ORIGINAL WELLPATH	Database:	1 - EDM Production

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)	
16,355.00	88.44	0.25	9,931.86	6,716.51	-932.12	6,772.37	0.93	0.88	-0.27	
16,451.00	88.84	359.72	9,934.13	6,812.48	-932.15	6,867.97	0.69	0.42	-0.55	
16,545.00	89.58	359.46	9,935.43	6,906.47	-932.82	6,961.66	0.83	0.79	-0.28	
16,640.00	86.59	0.42	9,938.60	7,001.40	-932.92	7,056.24	3.31	-3.15	1.01	
16,736.00	86.99	0.51	9,943.98	7,097.25	-932.14	7,151.65	0.43	0.42	0.09	
16,831.00	88.44	0.77	9,947.77	7,192.17	-931.08	7,246.10	1.55	1.53	0.27	
16,927.00	90.77	1.48	9,948.43	7,288.14	-929.20	7,341.54	2.54	2.43	0.74	
17,022.00	88.44	1.30	9,949.08	7,383.10	-926.89	7,435.94	2.46	-2.45	-0.19	
17,117.00	88.88	0.95	9,951.31	7,478.06	-925.03	7,530.36	0.59	0.46	-0.37	
17,212.00	91.60	0.42	9,950.91	7,573.04	-923.89	7,624.88	2.92	2.86	-0.56	
17,307.00	90.33	359.81	9,949.31	7,668.02	-923.70	7,719.48	1.48	-1.34	-0.64	
17,403.00	88.75	359.72	9,950.08	7,764.02	-924.10	7,815.14	1.65	-1.65	-0.09	
17,498.00	88.48	0.16	9,952.38	7,858.99	-924.20	7,909.75	0.54	-0.28	0.46	
17,593.00	87.12	0.69	9,956.02	7,953.91	-923.49	8,004.25	1.54	-1.43	0.56	
17,688.00	87.60	0.16	9,960.40	8,048.81	-922.79	8,098.72	0.75	0.51	-0.56	
17,783.00	88.31	359.90	9,963.79	8,143.75	-922.74	8,193.29	0.80	0.75	-0.27	
17,879.00	87.87	359.37	9,966.99	8,239.69	-923.35	8,288.92	0.72	-0.46	-0.55	
17,974.00	91.12	359.81	9,967.82	8,334.67	-924.03	8,383.59	3.45	3.42	0.46	
18,069.00	90.73	359.19	9,966.29	8,429.66	-924.86	8,478.28	0.77	-0.41	-0.65	
18,164.00	91.30	358.23	9,964.61	8,524.62	-927.00	8,573.06	1.18	0.60	-1.01	
18,260.00	92.35	358.14	9,961.55	8,620.52	-930.04	8,668.86	1.10	1.09	-0.09	
18,355.00	90.95	358.75	9,958.82	8,715.44	-932.61	8,763.65	1.61	-1.47	0.64	
18,450.00	89.14	359.37	9,958.74	8,810.42	-934.17	8,858.40	2.01	-1.91	0.65	
18,545.00	90.15	359.10	9,959.33	8,905.41	-935.44	8,953.13	1.10	1.06	-0.28	
18,640.00	87.69	359.98	9,961.12	9,000.38	-936.20	9,047.81	2.75	-2.59	0.93	
18,735.00	86.81	359.28	9,965.68	9,095.27	-936.82	9,142.38	1.18	-0.93	-0.74	
18,830.00	87.34	359.19	9,970.53	9,190.14	-938.08	9,236.99	0.57	0.56	-0.09	
18,926.00	89.27	359.37	9,973.37	9,286.08	-939.29	9,332.68	2.02	2.01	0.19	
19,021.00	90.46	358.84	9,973.59	9,381.07	-940.77	9,427.43	1.37	1.25	-0.56	
19,116.00	87.30	358.49	9,975.45	9,476.01	-942.98	9,522.20	3.35	-3.33	-0.37	
19,211.00	87.08	358.67	9,980.10	9,570.87	-945.34	9,616.90	0.30	-0.23	0.19	
19,307.00	86.15	358.75	9,985.77	9,666.68	-947.49	9,712.52	0.97	-0.97	0.08	
19,402.00	86.42	357.87	9,991.93	9,761.44	-950.29	9,807.16	0.97	0.28	-0.93	
19,497.00	87.56	357.35	9,996.92	9,856.22	-954.25	9,901.93	1.32	1.20	-0.55	
19,592.00	89.19	358.05	9,999.61	9,951.10	-958.06	9,996.78	1.87	1.72	0.74	
19,687.00	90.02	357.17	10,000.26	10,046.01	-962.02	10,091.67	1.27	0.87	-0.93	
19,783.00	88.84	356.56	10,001.22	10,141.86	-967.27	10,187.61	1.38	-1.23	-0.64	
19,878.00	88.84	357.70	10,003.14	10,236.72	-972.02	10,282.53	1.20	0.00	1.20	
19,973.00	89.92	357.79	10,004.17	10,331.64	-975.76	10,377.41	1.14	1.14	0.09	
20,069.00	90.37	357.70	10,003.93	10,427.57	-979.54	10,473.29	0.48	0.47	-0.09	
20,164.00	91.43	357.17	10,002.44	10,522.46	-983.79	10,568.19	1.25	1.12	-0.56	
20,256.00	91.65	356.47	9,999.96	10,614.28	-988.89	10,660.11	0.80	0.24	-0.76	



Survey Report



Company:	DEVON ENERGY	Local Co-ordinate Reference:	Well MARWARI 21-16 STATE FED COM 123H
Project:	Lea County, NM (NAD83)	TVD Reference:	3389.6' GL + 30' KB @ 3419.60usft (Original Well Elev)
Site:	SEC 28-T25S-R32E	MD Reference:	3389.6' GL + 30' KB @ 3419.60usft (Original Well Elev)
Well:	MARWARI 21-16 STATE FED COM 123H	North Reference:	Grid
Wellbore:	ORIGINAL WELLPATH	Survey Calculation Method:	Minimum Curvature
Design:	ORIGINAL WELLPATH	Database:	1 - EDM Production

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)
LS: 20256' MD 9999.96' TVD									
20,260.00	91.65	356.47	9,999.85	10,618.28	-989.14	10,664.11	0.00	0.00	0.00
X 100' FNL: 20260' MD 9999.85' TVD									
20,312.00	91.65	356.47	9,998.35	10,670.16	-992.34	10,716.07	0.00	0.00	0.00
PTB: 20312' MD 9998.35' TVD									

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
5,511.00	5,457.59	170.99	-413.15	X SEC LINE: 5511' MD 5457.59' TVD
7,595.00	7,481.68	261.00	-892.40	X 100' FSL: 7595' MD 7481.68' TVD
15,071.00	9,920.50	5,433.20	-917.16	X SEC LINE: 15071' MD 9920.50' TVD
20,256.00	9,999.96	10,614.28	-988.89	LS: 20256' MD 9999.96' TVD
20,260.00	9,999.85	10,618.28	-989.14	X 100' FNL: 20260' MD 9999.85' TVD
20,312.00	9,998.35	10,670.16	-992.34	PTB: 20312' MD 9998.35' TVD

Checked By: _____

Approved By: _____

Date: _____

C-102 Submit Electronically Via OCD Permitting	State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION	Revised July 9, 2024	
		Submittal Type:	☐ Initial Submittal
			☐ Amended Report
			☒ As Drilled

WELL LOCATION INFORMATION

API Number 30-025-49162	Pool Code 96715	Pool Name WC-025 G-05 S253209L; BONE SPRING
Property Code 325998	Property Name MARWARI 21-16 STATE FED COM	Well Number 123H
OGRID No. 6137	Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.	Ground Level Elevation 3389.6
Surface Owner: ☐ State ☐ Fee ☐ Tribal ☒ Federal		Mineral Owner: ☐ State ☐ Fee ☐ Tribal ☒ Federal

Surface Location

UL B	Section 28	Township 25 S	Range 32 E	Lot	Ft. from N/S 175 NORTH	Ft. from E/W 1870 EAST	Latitude 32.1081986°N	Longitude 103.6775351°W	County LEA
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Bottom Hole Location

UL C	Section 16	Township 25 S	Range 32 E	Lot	Ft. from N/S 51 NORTH	Ft. from E/W 2500 WEST	Latitude 32.1375386°N	Longitude 103.6805305°W	County LEA
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Dedicated Acres 640	Infill or Defining Well INFILL	Defining Well API 30-025-46603	Overlapping Spacing Unit (Y/N)	Consolidation Code
Order Numbers.			Well setbacks are under Common Ownership: ☐ Yes ☐ No	

Kick Off Point (KOP)

UL N	Section 21	Township 25 S	Range 32 E	Lot	Ft. from N/S 117 SOUTH	Ft. from E/W 2531 WEST	Latitude 32.1089840°N	Longitude 103.6805104°W	County LEA
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First Take Point (FTP)

UL N	Section 21	Township 25 S	Range 32 E	Lot	Ft. from N/S 537 SOUTH	Ft. from E/W 2547 WEST	Latitude 32.1101399°N	Longitude 103.6804596°W	County LEA
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Last Take Point (LTP)

UL C	Section 16	Township 25 S	Range 32 E	Lot	Ft. from N/S 130 NORTH	Ft. from E/W 2504 WEST	Latitude 32.1373219°N	Longitude 103.6805167°W	County LEA
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Unitized Area or Area of Uniform Interest	Spacing Unit Type ☒ Horizontal ☐ Vertical	Ground Floor Elevation:
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OPERATOR CERTIFICATIONS

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is a vertical or directional well, 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 a working interest run leased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order here to fore entered by the division.

If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.

Shandee Thomas 1/9/25

Signature

Date

SHANDEE THOMAS

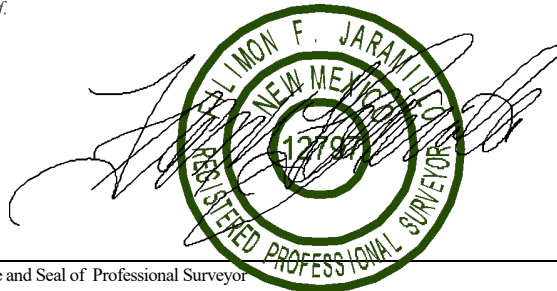
Printed Name

SHANDEE.THOMAS@DVN.COM

Email Address

SURVEYOR CERTIFICATIONS

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.



Signature and Seal of Professional Surveyor

FILIMON F. JARAMILLO

Certificate Number

PLS 12797

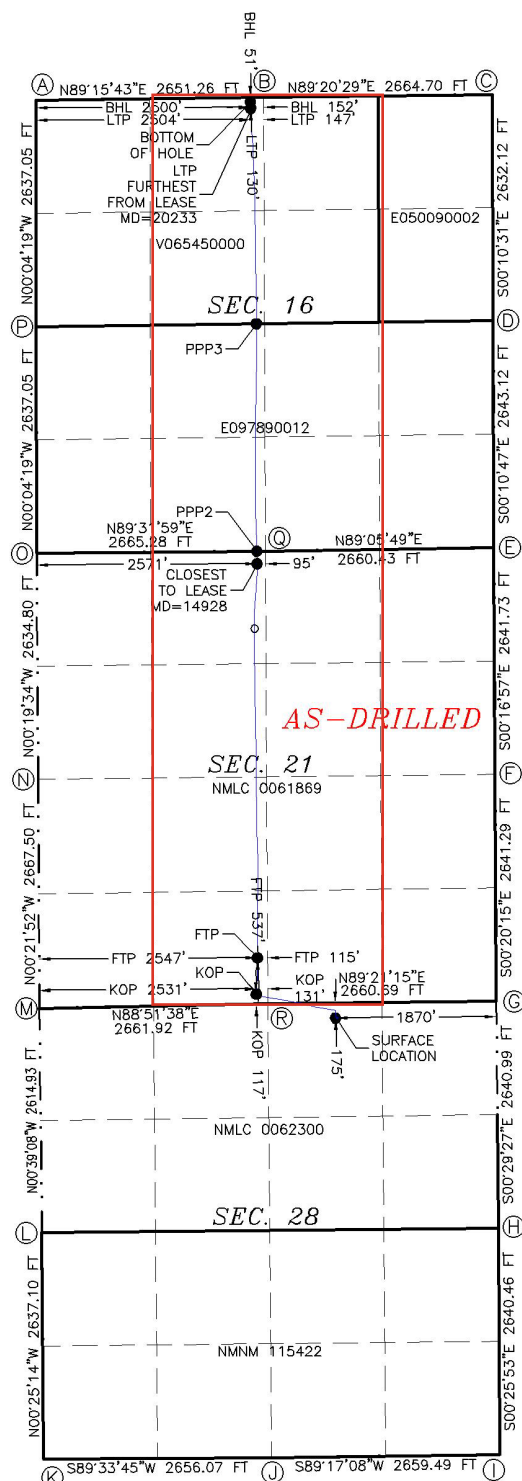
Date of Survey

NOVEMBER 7, 2024

SURVEY NO. 6902A

Note: 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.

Surveyors shall use the latest United States government survey or dependent resurvey. Well locations will be in reference to the New Mexico Principal Meridian. If the land is not surveyed, contact the OCD Engineering Bureau. Independent subdivision surveys will not be acceptable.



GEODETIC COORDINATES
NAD 83 NMSP EAST
SURFACE LOCATION
175' FNL, 1870' FEL
N.=403716.74
E.=744389.98
LAT.=32.1081986°N
LONG.=103.6775351°W

KICK OFF POINT	FIRST TAKE POINT
117' FSL, 2531' FWL	537' FSL, 2547' FWL
N.=403996.88	N.=404417.44
E.=743467.02	E.=743480.19
LAT.=32.1089840°N	LAT.=32.1101399°N
LONG.=103.6805104°W	LONG.=103.6804596°W

LAST TAKE POINT	BOTTOM OF HOLE
130' FNL, 2504' FWL	51' FNL, 2500' FWL
N.=414305.76	N.=414384.58
E.=743402.58	E.=743397.85
LAT.=32.1373219°N	LAT.=32.1375386°N
LONG.=103.6805167°W	LONG.=103.6805305°W

PPP2	PPP3
O' FNL, 2568' FWL	2650' FSL, 2566' FWL
N.=409151.85	N.=411801.01
E.=743472.84	E.=743467.41
LAT.=32.1231538°N	LAT.=32.1304358°N
LONG.=103.6803907°W	LONG.=103.6803564°W

CORNER COORDINATES TABLE
NAD 83 NMSP EAST

	ND	CS	NMS	EAST
A - N.=	414403.87			E.= 740898.71
B - N.=	414438.01			E.= 743549.18
C - N.=	414468.04			E.= 746213.12
D - N.=	411837.10			E.= 746221.18
E - N.=	409194.57			E.= 746229.47
F - N.=	406553.45			E.= 746242.49
G - N.=	403912.78			E.= 746258.05
H - N.=	401272.46			E.= 746280.66
I - N.=	398632.65			E.= 746300.54
J - N.=	398599.50			E.= 743641.83
K - N.=	398579.22			E.= 740986.41
L - N.=	401215.68			E.= 740967.06
M - N.=	403829.87			E.= 740937.30
N - N.=	406496.74			E.= 740920.33
O - N.=	409130.93			E.= 740905.34
P - N.=	411767.40			E.= 740902.02
Q - N.=	409152.64			E.= 743569.95
R - N.=	403882.79			E.= 743598.11

LEGEND

- 
 SECTION LINE
 QUARTER LINE
 LEASE LINE
 WELL PATH

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 423319

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 423319
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
pkautz	None	1/24/2025