

Well Name: BIG EDDY UNIT DI 5 WEST 27-29	Well Location: T20S / R31E / SEC 27 / SWNE / 32.546946 / -103.855776	County or Parish/State: EDDY / NM
Well Number: 5H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMLC065431	Unit or CA Name: BIG EDDY	Unit or CA Number: NMNM68294X
US Well Number: 300155599000X1	Operator: XTO PERMIAN OPERATING LLC	

Notice of Intent

Sundry ID: 2848867

Type of Submission: Notice of Intent	Type of Action: Drilling Operations
Date Sundry Submitted: 04/23/2025	Time Sundry Submitted: 09:30
Date proposed operation will begin: 04/21/2025	

Procedure Description: Manny Gonzalez, Wells Engineer - Delaware Basin for XTO Permian Operating, LLC. received verbal/email approval from Long Vo, Petroleum Engineer with BLM-Carlsbad, on April 21, 2025, to conduct sidetrack operations as follows: Current Status: XTO has set surface casing with cement to surface at 917' MD. Intermediate 1 casing with cement to surface at 2563' MD. Intermediate 2 casing with cement to surface at 4061'. 6-3/4" production drilled to 9024' MD above KOP. BHA stuck at 7435' while TOOH (4/18/2024 @ 13:30 hours). Attempted to free with no success. Requested Proposal: XTO proposes to pump a balanced plug above TOF in existing wellbore and sidetrack with an open hole whipstock at 6,500'. We will then redrill the remaining production section original planned TD and run in with 5.5" production casing to planned set depth. Cement production casing with 985sx 13.2ppg Class H to the top of the Brushy Canyon. Proposed Procedure: 1. Set open hole whipstock at ~6,500' MD, mill window in 6.75" 2. Drill out with 6.75" assembly and complete sidetrack to 23,198' TD 3. Run 5.5" 20# P-110ICY casing from surface to 23,198' MD 4. Pump 258 bbls/985 sks of 1.47 ft3/sk 13.2 ppg class H neat cement from TD to top of Brushy Canyon Current Well Information: 1. Intermediate 2: 8.75" hole at 4,076' MD. 7.625" csg @ 4,061' MD. Cemented w/Lead: 204 sx 12.5ppg CI C Cmt (1.83 yield) & Tail: 172sx 15.6ppg CI H Cmt (1.23 yield). Circ to surface. 2. Production: 6.75" hole at 9,024' MD • Drilled to above KOP and attempted to TOOH. Got stuck at transition between Bone Spring & Brushy Canyon. Unable to get all BHA out of wellbore after multiple fishing attempts. ATTACHMENTS: Well Summary with formation tops, Current Well Bore Diagram, Proposed Well Bore Diagram, Directional Plan and Legal Plot and a copy of email approval from Long Vo.

Well Name: BIG EDDY UNIT Df5 WEST 27-29	Well Location: T20S / R31E / SEC 27 / SWNE / 32.546946 / -103.855776	County or Parish/State: EDDY / NM
Well Number: 5H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMLC065431	Unit or CA Name: BIG EDDY	Unit or CA Number: NMNM68294X
US Well Number: 300155599000X1	Operator: XTO PERMIAN OPERATING LLC	

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

Sundry_Attachments_for_Sidetrack_Operations_20250423092819.pdf

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: RANELL (RUSTY) KLEIN	Signed on: APR 23, 2025 09:29 AM
Name: XTO PERMIAN OPERATING LLC	
Title: Regulatory Analyst	
Street Address: 6401 HOLIDAY HILL ROAD BLDG 5	
City: MIDLAND	State: TX
Phone: (432) 620-6700	
Email address: RANELL.KLEIN@EXXONMOBIL.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: Accepted	Disposition Date: 04/24/2025
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
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.	
6. If Indian, Allottee or Tribe Name	
7. If Unit of CA/Agreement, Name and/or No.	
8. Well Name and No.	
9. API Well No.	
10. Field and Pool or Exploratory Area	
11. Country or Parish, State	

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well		
☐ Oil Well	☐ Gas Well	☐ Other
2. Name of Operator		
3a. Address	3b. Phone No. (include area code)	
4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description)		

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

Additional Remarks

1. Set open hole whipstock at ~6,500 MD, mill window in 6.75
2. Drill out with 6.75 assembly and complete sidetrack to 23,198 TD
3. Run 5.5 20# P-110ICY casing from surface to 23,198 MD
4. Pump 258 bbls/985 sks of 1.47 ft3/sk 13.2 ppg class H neat cement from TD to top of Brushy Canyon

Current Well Information:

1. Intermediate 2: 8.75 hole at 4,076 MD. 7.625 csg @ 4,061 MD. Cemented w/Lead: 204 sx 12.5ppg Cl C Cmt (1.83 yield) & Tail: 172sx 15.6ppg Cl H Cmt (1.23 yield). Circ to surface.
 2. Production: 6.75 hole at 9,024 MD
- Drilled to above KOP and attempted to TOO. Got stuck at transition between Bone Spring & Brushy Canyon. Unable to get all BHA out of wellbore after multiple fishing attempts.

ATTACHMENTS: Well Summary with formation tops, Current Well Bore Diagram, Proposed Well Bore Diagram, Directional Plan and Legal Plot and a copy of email approval from Long Vo.

Location of Well

0. SHL: SWNE / 1670 FNL / 2260 FEL / TWSP: 20S / RANGE: 31E / SECTION: 27 / LAT: 32.546946 / LONG: -103.855776 (TVD: 0 feet, MD: 0 feet)
PPP: NWNE / 1322 FNL / 2507 FWL / TWSP: 20S / RANGE: 31E / SECTION: 27 / LAT: 32.547906 / LONG: -103.856576 (TVD: 8861 feet, MD: 8980 feet)
PPP: NENW / 1330 FNL / 2582 FWL / TWSP: 20S / RANGE: 31E / SECTION: 27 / LAT: 32.547969 / LONG: -103.857153 (TVD: 9730 feet, MD: 10300 feet)
PPP: NENE / 338 FNL / 0 FWL / TWSP: 20S / RANGE: 31E / SECTION: 28 / LAT: 32.550646 / LONG: -103.865519 (TVD: 9730 feet, MD: 12900 feet)
BHL: NWNW / 1330 FNL / 50 FWL / TWSP: 20S / RANGE: 31E / SECTION: 29 / LAT: 32.548013 / LONG: -103.899804 (TVD: 9730 feet, MD: 23089 feet)

Sidetrack Procedure

BEU DI 5 West 27-29 5H (API: 30-015-55990)

Current Status: XTO has set surface casing with cement to surface at 917' MD. Intermediate 1 casing with cement to surface at 2563' MD. Intermediate 2 casing with cement to surface at 4061'. 6-3/4" production drilled to 9024' MD above KOP. BHA stuck at 7435' while TOO (4/18/2024 @ 13:30 hours). Attempted to free with no success.

Requested Proposal: XTO proposes to pump a balanced plug above TOF in existing wellbore and sidetrack with an open hole whipstock at 6,500'. We will then redrill the remaining production section original planned TD and run in with 5.5" production casing to planned set depth. Cement production casing with 985sx 13.2ppg Class H to the top of the Brushy Canyon.

Proposed Procedure:

1. Set open hole whipstock at ~6,500' MD, mill window in 6.75"
2. Drill out with 6.75" assembly and complete sidetrack to 23,198' TD
3. Run 5.5" 20# P-110ICY casing from surface to 23,198' MD
4. Pump 258 bbls/985 sks of 1.47 ft³/sk 13.2 ppg class H neat cement from TD to top of Brushy Canyon

Current Well Information:

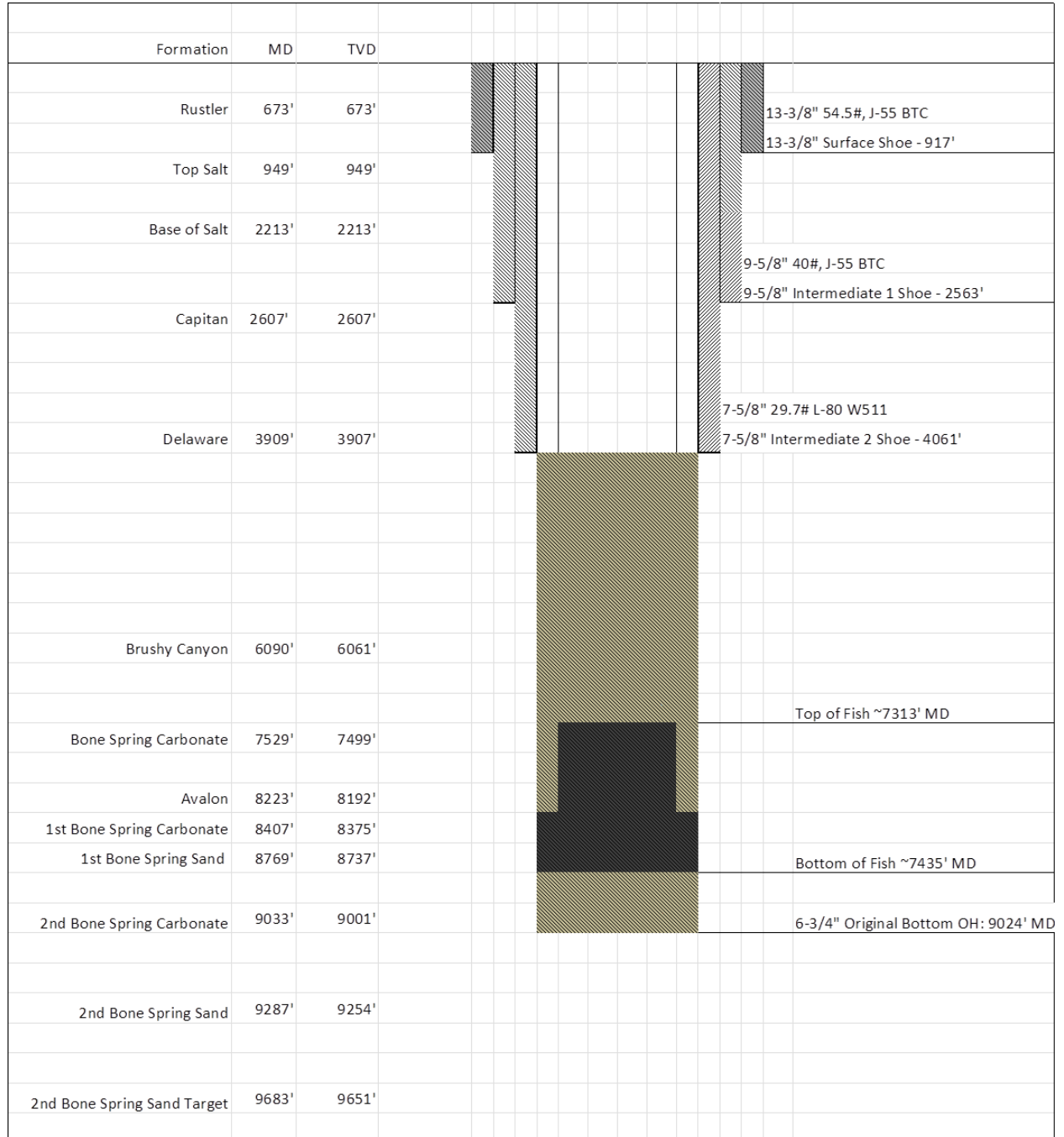
1. Intermediate 2: 8.75" hole at 4,076' MD. 7.625" csg @ 4,061' MD. Cemented w/Lead: 204 sx 12.5ppg Cl C Cmt (1.83 yield) & Tail: 172sx 15.6ppg Cl H Cmt (1.23 yield). Circ to surface.
2. Production: 6.75" hole at 9,024' MD
 - Drilled to above KOP and attempted to TOO. Got stuck at transition between Bone Spring & Brushy Canyon. Unable to get all BHA out of wellbore after multiple fishing attempts.

Formation Tops:

- Top Salt: 949'
- Base of Salt: 2213'
- Capitan Reef: 2607'
- Delaware: 3909'
- Brushy Canyon: 6090'
- Bone Spring: 7529'
- Avalon: 8223'
- 1st Bone Spring Carbonate: 8407'
- 1st Bone Spring Sand: 8769'
- 2nd Bone Spring Carbonate: 9033'
- 2nd Bone Spring Sand: 9287'
- 2nd Bone Spring Sand Target: 9683'

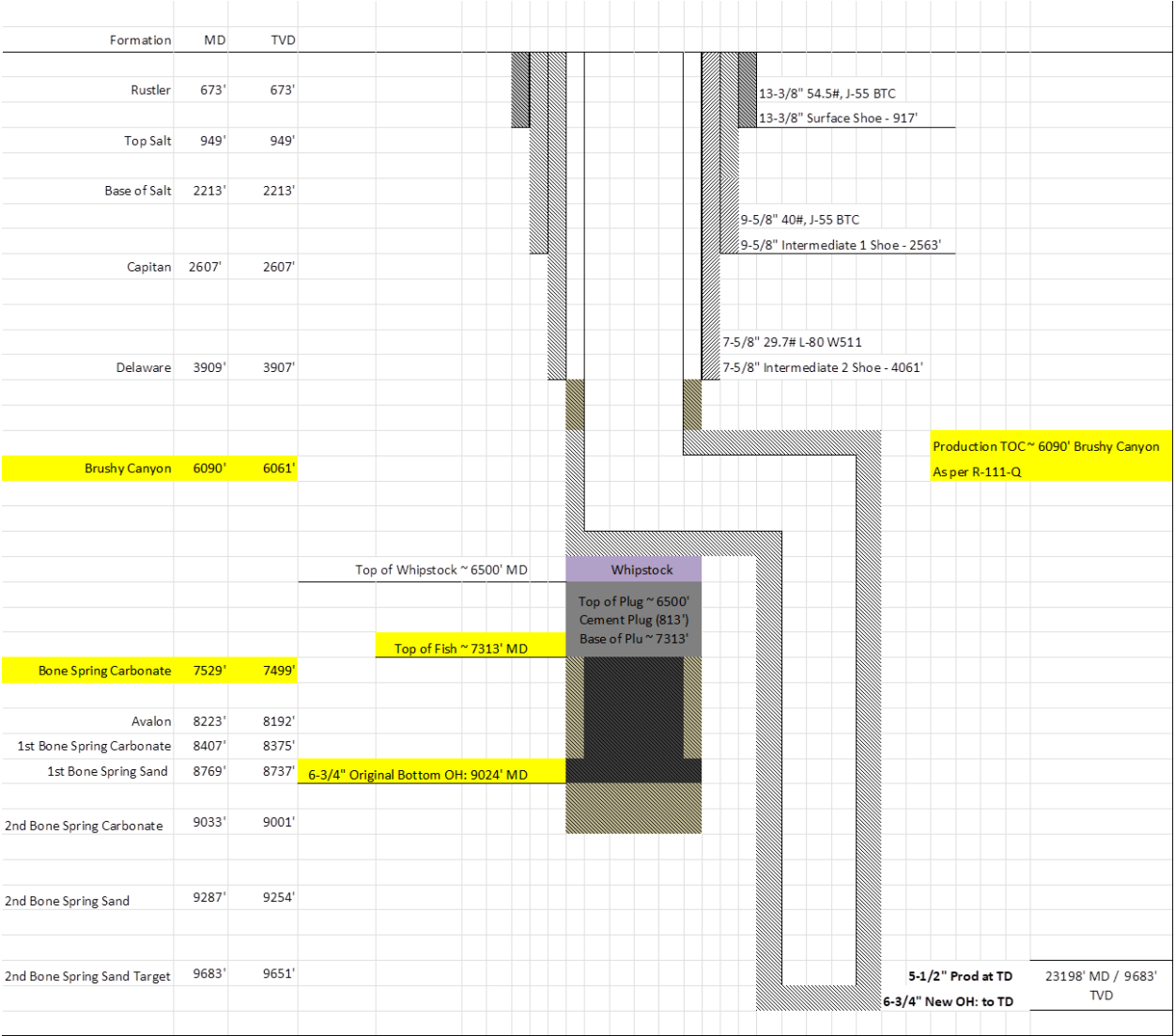
BIG EDDY UNIT DI 5 WEST 27-29 5H
30-015-55990

CURRENT WELL BORE DIAGRAM



BIG EDDY UNIT DI 5 WEST 27-29 5H
30-015-55990

PROPOSED WELL BORE DIAGRAM



ROC

Big Eddy Unit DI 5 West - Eddy Co. - NAD 27 NME

Big Eddy Unit DI 5 West - HP 549

Big Eddy Unit DI 5 West 27-29 5H

ST01

Plan: Plan 3 (ST01)

Standard Planning Report

20 April, 2025

Planning Report

Database:	EDM 5000.18 Single User Db	Local Co-ordinate Reference:	Well Big Eddy Unit DI 5 West 27-29 5H
Company:	ROC	TVD Reference:	RKB 30 @ 3555.00usft (HP 549)
Project:	Big Eddy Unit DI 5 West - Eddy Co. - NAD 27 NME	MD Reference:	RKB 30 @ 3555.00usft (HP 549)
Site:	Big Eddy Unit DI 5 West - HP 549	North Reference:	Grid
Well:	Big Eddy Unit DI 5 West 27-29 5H	Survey Calculation Method:	Minimum Curvature
Wellbore:	ST01		
Design:	Plan 3 (ST01)		

Project	Big Eddy Unit DI 5 West - Eddy Co. - NAD 27 NME, ROCPOD3		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site	Big Eddy Unit DI 5 West - HP 549			
Site Position:		Northing:	562,978.40 usft	Latitude: 32° 32' 48.572 N
From:	Map	Easting:	647,430.40 usft	Longitude: 103° 51' 17.584 W
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	

Well	Big Eddy Unit DI 5 West 27-29 5H			
Well Position	+N/-S	0.00 usft	Northing:	562,977.90 usft
	+E/-W	0.00 usft	Easting:	647,310.20 usft
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft
Grid Convergence:		0.26 °	Ground Level:	3,525.00 usft

Wellbore	ST01				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	4/20/2025	6.25	60.02	47,254.48800219

Design	Plan 3 (ST01)			
Audit Notes:				
Version:		Phase:	PLAN	Tie On Depth: 6,500.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	269.825

Plan Survey Tool Program		Date 4/20/2025		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	6,500.00	23,232.45	Plan 3 (ST01) (ST01)	XOMR2_OWSG MWD+IFF OWSG MWD + IFR1 + Mult

Planning Report

Database:	EDM 5000.18 Single User Db	Local Co-ordinate Reference:	Well Big Eddy Unit DI 5 West 27-29 5H
Company:	ROC	TVD Reference:	RKB 30 @ 3555.00usft (HP 549)
Project:	Big Eddy Unit DI 5 West - Eddy Co. - NAD 27 NME	MD Reference:	RKB 30 @ 3555.00usft (HP 549)
Site:	Big Eddy Unit DI 5 West - HP 549	North Reference:	Grid
Well:	Big Eddy Unit DI 5 West 27-29 5H	Survey Calculation Method:	Minimum Curvature
Wellbore:	ST01		
Design:	Plan 3 (ST01)		

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
6,500.00	3.28	39.922	6,469.88	378.01	145.07	0.00	0.00	0.00	0.00	
6,515.00	1.13	105.564	6,484.87	378.30	145.49	20.00	-14.39	437.61	160.00	
6,615.00	1.13	105.564	6,584.85	377.77	147.38	0.00	0.00	0.00	0.00	
6,750.95	5.00	136.750	6,720.59	373.09	152.73	3.00	2.85	22.94	39.39	
7,250.95	5.00	136.750	7,218.69	341.35	182.59	0.00	0.00	0.00	0.00	
7,500.95	0.00	0.000	7,468.37	333.41	190.06	2.00	-2.00	0.00	180.00	
9,144.88	0.00	0.000	9,112.30	333.41	190.06	0.00	0.00	0.00	0.00	
10,054.88	91.00	273.000	9,685.17	363.92	-392.10	10.00	10.00	0.00	273.00	
10,088.72	91.00	273.000	9,684.58	365.69	-425.89	0.00	0.00	0.00	0.00	FTP - BEU DI 5 We
10,247.42	91.00	269.825	9,681.81	369.60	-584.50	2.00	0.00	-2.00	-89.97	
23,183.25	91.00	269.825	9,456.06	330.20	-13,518.30	0.00	0.00	0.00	0.00	LTP - BEU DI 5 We
23,233.26	91.00	269.825	9,455.19	330.05	-13,568.30	0.00	0.00	0.00	0.00	BHL - BEU DI 5 We

Planning Report

Database:	EDM 5000.18 Single User Db	Local Co-ordinate Reference:	Well Big Eddy Unit DI 5 West 27-29 5H
Company:	ROC	TVD Reference:	RKB 30 @ 3555.00usft (HP 549)
Project:	Big Eddy Unit DI 5 West - Eddy Co. - NAD 27 NME	MD Reference:	RKB 30 @ 3555.00usft (HP 549)
Site:	Big Eddy Unit DI 5 West - HP 549	North Reference:	Grid
Well:	Big Eddy Unit DI 5 West 27-29 5H	Survey Calculation Method:	Minimum Curvature
Wellbore:	ST01		
Design:	Plan 3 (ST01)		

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	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22.00	0.00	0.000	22.00	0.00	0.00	0.00	0.00	0.00	0.00
114.00	0.35	283.520	114.00	0.07	-0.27	0.27	0.38	0.38	0.00
201.00	0.13	150.720	201.00	0.04	-0.48	0.48	0.52	-0.25	-152.64
286.00	0.44	280.000	286.00	0.01	-0.76	0.76	0.63	0.36	152.09
380.00	0.26	216.110	380.00	-0.10	-1.24	1.24	0.43	-0.19	-67.97
474.00	0.22	311.560	474.00	-0.15	-1.50	1.50	0.38	-0.04	101.54
569.00	0.26	345.570	569.00	0.18	-1.69	1.69	0.15	0.04	35.80
663.00	0.13	72.320	662.99	0.42	-1.64	1.64	0.30	-0.14	92.29
672.98	0.14	80.997	672.97	0.43	-1.62	1.62	0.24	0.13	86.97
Rustler									
757.00	0.31	113.190	756.99	0.35	-1.31	1.30	0.24	0.20	38.31
851.00	0.48	125.490	850.99	0.02	-0.75	0.75	0.20	0.18	13.09
894.00	0.53	183.680	893.99	-0.28	-0.62	0.62	1.15	0.12	135.33
949.00	0.50	187.254	948.99	-0.77	-0.66	0.67	0.08	-0.05	6.50
Salado									
1,055.00	0.46	195.210	1,054.98	-1.65	-0.83	0.84	0.08	-0.04	7.51
1,149.00	0.21	208.720	1,148.98	-2.16	-1.02	1.02	0.28	-0.27	14.37
1,243.00	1.81	10.700	1,242.97	-0.85	-0.82	0.83	2.14	1.70	172.32
1,337.00	1.87	10.860	1,336.92	2.11	-0.26	0.25	0.06	0.06	0.17
1,432.00	1.46	11.540	1,431.88	4.82	0.27	-0.29	0.43	-0.43	0.72
1,527.00	0.80	352.750	1,526.86	6.66	0.43	-0.45	0.79	-0.69	-19.78
1,623.00	0.85	0.710	1,622.85	8.04	0.36	-0.38	0.13	0.05	8.29
1,717.00	0.42	48.880	1,716.85	8.96	0.63	-0.65	0.69	-0.46	51.24
1,812.00	0.96	87.220	1,811.84	9.23	1.68	-1.71	0.72	0.57	40.36
1,907.00	0.93	84.030	1,906.83	9.35	3.24	-3.27	0.06	-0.03	-3.36
2,002.00	1.50	84.270	2,001.80	9.56	5.25	-5.28	0.60	0.60	0.25
2,098.00	0.89	231.820	2,097.80	9.22	5.91	-5.94	2.40	-0.64	153.70
2,193.00	0.33	171.950	2,192.79	8.49	5.37	-5.40	0.82	-0.59	-63.02
2,255.31	0.58	109.808	2,255.10	8.21	5.69	-5.72	0.83	0.40	-99.73
MB126									
2,288.00	0.82	99.050	2,287.79	8.11	6.08	-6.11	0.83	0.73	-32.91
2,355.33	1.19	201.922	2,355.11	7.39	6.29	-6.32	2.36	0.56	152.79
Base Salt									
2,383.00	1.79	212.500	2,382.77	6.76	5.95	-5.98	2.36	2.15	38.23
2,478.00	2.72	260.310	2,477.70	5.13	2.94	-2.95	2.12	0.98	50.33
2,651.00	2.51	311.160	2,650.55	6.93	-3.96	3.94	1.30	-0.12	29.39
2,746.00	3.04	324.480	2,745.43	10.35	-6.99	6.96	0.88	0.56	14.02
2,780.46	1.91	330.233	2,779.86	11.59	-7.81	7.77	3.35	-3.28	16.69
Capitan Reef									
2,842.00	0.55	68.820	2,841.39	12.59	-8.04	8.00	3.35	-2.21	160.21
2,937.00	0.55	6.900	2,936.39	13.20	-7.56	7.52	0.60	0.00	-65.18
3,032.00	0.56	3.780	3,031.38	14.12	-7.48	7.43	0.03	0.01	-3.28
3,127.00	0.58	13.150	3,126.38	15.05	-7.34	7.29	0.10	0.02	9.86
3,222.00	0.56	24.170	3,221.37	15.94	-7.04	6.99	0.12	-0.02	11.60
3,318.00	0.68	41.420	3,317.37	16.80	-6.47	6.42	0.23	0.13	17.97
3,413.00	0.75	48.620	3,412.36	17.63	-5.63	5.58	0.12	0.07	7.58
3,509.00	0.69	53.040	3,508.35	18.39	-4.70	4.64	0.09	-0.06	4.60
3,604.00	2.01	53.860	3,603.32	19.72	-2.89	2.83	1.39	1.39	0.86
3,699.00	3.39	40.820	3,698.22	22.83	0.29	-0.36	1.58	1.45	-13.73
3,793.00	5.61	34.040	3,791.92	28.74	4.68	-4.76	2.42	2.36	-7.21
3,888.00	7.10	33.590	3,886.34	37.48	10.52	-10.64	1.57	1.57	-0.47
3,938.34	7.87	31.226	3,936.25	43.02	14.03	-14.16	1.65	1.53	-4.70

Planning Report

Database:	EDM 5000.18 Single User Db	Local Co-ordinate Reference:	Well Big Eddy Unit DI 5 West 27-29 5H
Company:	ROC	TVD Reference:	RKB 30 @ 3555.00usft (HP 549)
Project:	Big Eddy Unit DI 5 West - Eddy Co. - NAD 27 NME	MD Reference:	RKB 30 @ 3555.00usft (HP 549)
Site:	Big Eddy Unit DI 5 West - HP 549	North Reference:	Grid
Well:	Big Eddy Unit DI 5 West 27-29 5H	Survey Calculation Method:	Minimum Curvature
Wellbore:	ST01		
Design:	Plan 3 (ST01)		

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)
Delaware Ss.									
3,984.00	8.58	29.450	3,981.44	48.66	17.33	-17.48	1.65	1.55	-3.89
4,014.00	9.63	27.020	4,011.06	52.84	19.57	-19.73	3.73	3.50	-8.10
4,122.00	10.06	30.490	4,117.47	69.02	28.46	-28.67	0.68	0.40	3.21
4,216.00	9.77	29.030	4,210.06	83.07	36.49	-36.75	0.41	-0.31	-1.55
4,312.00	9.75	27.250	4,304.67	97.42	44.17	-44.47	0.31	-0.02	-1.85
4,407.00	8.75	26.100	4,398.44	111.06	51.03	-51.37	1.07	-1.05	-1.21
4,502.00	7.75	27.090	4,492.45	123.25	57.13	-57.50	1.06	-1.05	1.04
4,597.00	8.60	28.290	4,586.49	135.21	63.41	-63.82	0.91	0.89	1.26
4,692.00	8.81	26.270	4,680.39	147.98	70.00	-70.45	0.39	0.22	-2.13
4,787.00	9.21	22.550	4,774.22	161.53	76.13	-76.63	0.74	0.42	-3.92
4,882.00	10.01	17.440	4,867.89	176.43	81.52	-82.06	1.23	0.84	-5.38
4,977.00	10.07	15.210	4,961.44	192.32	86.18	-86.76	0.41	0.06	-2.35
5,071.00	10.54	12.220	5,053.92	208.65	90.15	-90.79	0.76	0.50	-3.18
5,166.00	10.88	11.320	5,147.26	225.94	93.75	-94.44	0.40	0.36	-0.95
5,261.00	10.76	18.610	5,240.58	243.13	98.34	-99.08	1.45	-0.13	7.67
5,355.00	9.38	16.460	5,333.13	258.79	103.31	-104.10	1.52	-1.47	-2.29
5,450.00	8.82	13.490	5,426.93	273.30	107.21	-108.04	0.77	-0.59	-3.13
5,545.00	8.65	17.390	5,520.83	287.20	111.04	-111.92	0.65	-0.18	4.11
5,640.00	9.42	17.680	5,614.65	301.43	115.54	-116.46	0.81	0.81	0.31
5,735.00	9.21	13.020	5,708.40	316.24	119.61	-120.57	0.82	-0.22	-4.91
5,829.00	7.41	10.180	5,801.41	329.54	122.38	-123.38	1.96	-1.91	-3.02
5,923.40	5.90	2.481	5,895.18	340.38	123.66	-124.70	1.86	-1.60	-8.16
Brushy Canyon Ss.									
5,924.00	5.89	2.420	5,895.77	340.44	123.66	-124.70	1.86	-1.53	-10.22
6,020.00	5.11	353.460	5,991.33	349.61	123.39	-124.45	1.21	-0.81	-9.33
6,114.00	4.74	31.350	6,085.01	357.08	124.93	-126.02	3.42	-0.39	40.31
6,208.00	5.29	49.480	6,178.65	363.22	130.24	-131.35	1.78	0.59	19.29
6,303.00	4.46	45.830	6,273.31	368.64	136.22	-137.35	0.93	-0.87	-3.84
6,398.00	3.66	43.620	6,368.07	373.41	140.96	-142.10	0.86	-0.84	-2.33
6,493.00	3.30	39.930	6,462.90	377.70	144.81	-145.96	0.45	-0.38	-3.88
6,500.00	3.28	39.922	6,469.88	378.01	145.07	-146.22	0.23	-0.23	-0.11
6,515.00	1.13	105.564	6,484.87	378.30	145.49	-146.64	20.00	-14.39	437.61
6,600.00	1.13	105.564	6,569.86	377.85	147.10	-148.25	0.00	0.00	0.00
6,615.00	1.13	105.564	6,584.85	377.77	147.38	-148.53	0.00	0.00	0.00
6,700.00	3.49	133.160	6,669.78	375.77	150.07	-151.22	3.00	2.79	32.47
6,750.95	5.00	136.750	6,720.59	373.09	152.73	-153.87	3.00	2.96	7.05
6,800.00	5.00	136.750	6,769.45	369.98	155.66	-156.79	0.00	0.00	0.00
6,900.00	5.00	136.750	6,869.07	363.63	161.63	-162.74	0.00	0.00	0.00
7,000.00	5.00	136.750	6,968.69	357.28	167.60	-168.69	0.00	0.00	0.00
7,100.00	5.00	136.750	7,068.31	350.93	173.57	-174.64	0.00	0.00	0.00
7,200.00	5.00	136.750	7,167.93	344.59	179.54	-180.60	0.00	0.00	0.00
7,250.95	5.00	136.750	7,218.69	341.35	182.59	-183.63	0.00	0.00	0.00
7,300.00	4.02	136.750	7,267.58	338.54	185.23	-186.26	2.00	-2.00	0.00
7,317.72	3.66	136.750	7,285.27	337.68	186.04	-187.07	2.00	-2.00	0.00
Basal Brushy Canyon Ss.									
7,400.00	2.02	136.750	7,367.44	334.71	188.84	-189.86	2.00	-2.00	0.00
7,500.95	0.00	0.000	7,468.37	333.41	190.06	-191.07	2.00	-2.00	0.00
7,504.92	0.00	0.000	7,472.34	333.41	190.06	-191.07	0.00	0.00	0.00
Bone Spring Lime									
7,600.00	0.00	0.000	7,567.42	333.41	190.06	-191.07	0.00	0.00	0.00
7,699.92	0.00	0.000	7,667.34	333.41	190.06	-191.07	0.00	0.00	0.00

Planning Report

Database:	EDM 5000.18 Single User Db	Local Co-ordinate Reference:	Well Big Eddy Unit DI 5 West 27-29 5H
Company:	ROC	TVD Reference:	RKB 30 @ 3555.00usft (HP 549)
Project:	Big Eddy Unit DI 5 West - Eddy Co. - NAD 27 NME	MD Reference:	RKB 30 @ 3555.00usft (HP 549)
Site:	Big Eddy Unit DI 5 West - HP 549	North Reference:	Grid
Well:	Big Eddy Unit DI 5 West 27-29 5H	Survey Calculation Method:	Minimum Curvature
Wellbore:	ST01		
Design:	Plan 3 (ST01)		

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)
Avalon Shale Upper SH									
7,700.00	0.00	0.000	7,667.42	333.41	190.06	-191.07	0.00	0.00	0.00
7,800.00	0.00	0.000	7,767.42	333.41	190.06	-191.07	0.00	0.00	0.00
7,900.00	0.00	0.000	7,867.42	333.41	190.06	-191.07	0.00	0.00	0.00
8,000.00	0.00	0.000	7,967.42	333.41	190.06	-191.07	0.00	0.00	0.00
8,043.92	0.00	0.000	8,011.34	333.41	190.06	-191.07	0.00	0.00	0.00
Avalon Mid Carb									
8,100.00	0.00	0.000	8,067.42	333.41	190.06	-191.07	0.00	0.00	0.00
8,200.00	0.00	0.000	8,167.42	333.41	190.06	-191.07	0.00	0.00	0.00
8,202.92	0.00	0.000	8,170.34	333.41	190.06	-191.07	0.00	0.00	0.00
Avalon Shale Lower SH									
8,300.00	0.00	0.000	8,267.42	333.41	190.06	-191.07	0.00	0.00	0.00
8,400.00	0.00	0.000	8,367.42	333.41	190.06	-191.07	0.00	0.00	0.00
8,437.92	0.00	0.000	8,405.34	333.41	190.06	-191.07	0.00	0.00	0.00
1st Bone Spring Lime									
8,500.00	0.00	0.000	8,467.42	333.41	190.06	-191.07	0.00	0.00	0.00
8,600.00	0.00	0.000	8,567.42	333.41	190.06	-191.07	0.00	0.00	0.00
8,700.00	0.00	0.000	8,667.42	333.41	190.06	-191.07	0.00	0.00	0.00
8,778.92	0.00	0.000	8,746.34	333.41	190.06	-191.07	0.00	0.00	0.00
1st Bone Spring Sand									
8,800.00	0.00	0.000	8,767.42	333.41	190.06	-191.07	0.00	0.00	0.00
8,900.00	0.00	0.000	8,867.42	333.41	190.06	-191.07	0.00	0.00	0.00
9,000.00	0.00	0.000	8,967.42	333.41	190.06	-191.07	0.00	0.00	0.00
9,100.00	0.00	0.000	9,067.42	333.41	190.06	-191.07	0.00	0.00	0.00
9,139.92	0.00	0.000	9,107.34	333.41	190.06	-191.07	0.00	0.00	0.00
2nd Bone Spring Lime									
9,144.88	0.00	0.000	9,112.30	333.41	190.06	-191.07	0.00	0.00	0.00
9,150.00	0.51	273.000	9,117.42	333.41	190.03	-191.05	10.00	10.00	0.00
9,200.00	5.51	273.000	9,167.34	333.55	187.41	-188.43	10.00	10.00	0.00
9,250.00	10.51	273.000	9,216.83	333.91	180.45	-181.47	10.00	10.00	0.00
9,260.50	11.56	273.000	9,227.13	334.02	178.45	-179.47	10.00	10.00	0.00
2nd Bone Spring Sand									
9,300.00	15.51	273.000	9,265.53	334.50	169.22	-170.24	10.00	10.00	0.00
9,350.00	20.51	273.000	9,313.07	335.31	153.78	-154.80	10.00	10.00	0.00
9,400.00	25.51	273.000	9,359.07	336.34	134.27	-135.29	10.00	10.00	0.00
9,428.12	28.32	273.000	9,384.14	337.00	121.56	-122.59	10.00	10.00	0.00
2nd Bone Spring B Sand									
9,450.00	30.51	273.000	9,403.20	337.56	110.82	-111.85	10.00	10.00	0.00
9,500.00	35.51	273.000	9,445.12	338.99	83.63	-84.66	10.00	10.00	0.00
9,550.00	40.51	273.000	9,484.50	340.60	52.89	-53.93	10.00	10.00	0.00
9,600.00	45.51	273.000	9,521.05	342.38	18.84	-19.89	10.00	10.00	0.00
9,650.00	50.51	273.000	9,554.48	344.33	-18.26	17.21	10.00	10.00	0.00
9,700.00	55.51	273.000	9,584.56	346.42	-58.13	57.07	10.00	10.00	0.00
9,702.50	55.76	273.000	9,585.97	346.53	-60.19	59.13	10.00	10.00	0.00
2nd Bone Spring C Sand									
9,750.00	60.51	273.000	9,611.04	348.64	-100.47	99.40	10.00	10.00	0.00
9,800.00	65.51	273.000	9,633.72	350.97	-144.95	143.88	10.00	10.00	0.00
9,850.00	70.51	273.000	9,652.43	353.39	-191.23	190.15	10.00	10.00	0.00
9,900.00	75.51	273.000	9,667.04	355.90	-238.97	237.88	10.00	10.00	0.00
9,950.00	80.51	273.000	9,677.42	358.45	-287.80	286.70	10.00	10.00	0.00
10,000.00	85.51	273.000	9,683.50	361.05	-337.34	336.24	10.00	10.00	0.00
10,054.88	91.00	273.000	9,685.17	363.92	-392.10	390.99	10.00	10.00	0.00

Planning Report

Database:	EDM 5000.18 Single User Db	Local Co-ordinate Reference:	Well Big Eddy Unit DI 5 West 27-29 5H
Company:	ROC	TVD Reference:	RKB 30 @ 3555.00usft (HP 549)
Project:	Big Eddy Unit DI 5 West - Eddy Co. - NAD 27 NME	MD Reference:	RKB 30 @ 3555.00usft (HP 549)
Site:	Big Eddy Unit DI 5 West - HP 549	North Reference:	Grid
Well:	Big Eddy Unit DI 5 West 27-29 5H	Survey Calculation Method:	Minimum Curvature
Wellbore:	ST01		
Design:	Plan 3 (ST01)		

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)	
10,088.72	91.00	273.000	9,684.58	365.69	-425.89	424.77	0.00	0.00	0.00	
10,100.00	91.00	272.774	9,684.38	366.26	-437.15	436.03	2.00	0.00	-2.00	
10,200.00	91.00	270.774	9,682.64	369.36	-537.09	535.96	2.00	0.00	-2.00	
10,247.42	91.00	269.825	9,681.81	369.60	-584.50	583.37	2.00	0.00	-2.00	
10,300.00	91.00	269.825	9,680.89	369.44	-637.07	635.94	0.00	0.00	0.00	
10,400.00	91.00	269.825	9,679.15	369.14	-737.05	735.92	0.00	0.00	0.00	
10,500.00	91.00	269.825	9,677.40	368.83	-837.04	835.91	0.00	0.00	0.00	
10,600.00	91.00	269.825	9,675.66	368.53	-937.02	935.89	0.00	0.00	0.00	
10,700.00	91.00	269.825	9,673.91	368.22	-1,037.01	1,035.88	0.00	0.00	0.00	
10,800.00	91.00	269.825	9,672.17	367.92	-1,136.99	1,135.86	0.00	0.00	0.00	
10,900.00	91.00	269.825	9,670.42	367.62	-1,236.98	1,235.85	0.00	0.00	0.00	
11,000.00	91.00	269.825	9,668.68	367.31	-1,336.96	1,335.83	0.00	0.00	0.00	
11,100.00	91.00	269.825	9,666.93	367.01	-1,436.94	1,435.82	0.00	0.00	0.00	
11,200.00	91.00	269.825	9,665.19	366.70	-1,536.93	1,535.80	0.00	0.00	0.00	
11,300.00	91.00	269.825	9,663.44	366.40	-1,636.91	1,635.79	0.00	0.00	0.00	
11,400.00	91.00	269.825	9,661.70	366.09	-1,736.90	1,735.77	0.00	0.00	0.00	
11,500.00	91.00	269.825	9,659.95	365.79	-1,836.88	1,835.76	0.00	0.00	0.00	
11,600.00	91.00	269.825	9,658.21	365.48	-1,936.87	1,935.74	0.00	0.00	0.00	
11,700.00	91.00	269.825	9,656.46	365.18	-2,036.85	2,035.72	0.00	0.00	0.00	
11,800.00	91.00	269.825	9,654.71	364.87	-2,136.83	2,135.71	0.00	0.00	0.00	
11,900.00	91.00	269.825	9,652.97	364.57	-2,236.82	2,235.69	0.00	0.00	0.00	
12,000.00	91.00	269.825	9,651.22	364.26	-2,336.80	2,335.68	0.00	0.00	0.00	
12,100.00	91.00	269.825	9,649.48	363.96	-2,436.79	2,435.66	0.00	0.00	0.00	
12,200.00	91.00	269.825	9,647.73	363.66	-2,536.77	2,535.65	0.00	0.00	0.00	
12,300.00	91.00	269.825	9,645.99	363.35	-2,636.76	2,635.63	0.00	0.00	0.00	
12,400.00	91.00	269.825	9,644.24	363.05	-2,736.74	2,735.62	0.00	0.00	0.00	
12,500.00	91.00	269.825	9,642.50	362.74	-2,836.72	2,835.60	0.00	0.00	0.00	
12,600.00	91.00	269.825	9,640.75	362.44	-2,936.71	2,935.59	0.00	0.00	0.00	
12,700.00	91.00	269.825	9,639.01	362.13	-3,036.69	3,035.57	0.00	0.00	0.00	
12,800.00	91.00	269.825	9,637.26	361.83	-3,136.68	3,135.56	0.00	0.00	0.00	
12,900.00	91.00	269.825	9,635.52	361.52	-3,236.66	3,235.54	0.00	0.00	0.00	
13,000.00	91.00	269.825	9,633.77	361.22	-3,336.65	3,335.53	0.00	0.00	0.00	
13,100.00	91.00	269.825	9,632.03	360.91	-3,436.63	3,435.51	0.00	0.00	0.00	
13,200.00	91.00	269.825	9,630.28	360.61	-3,536.61	3,535.50	0.00	0.00	0.00	
13,300.00	91.00	269.825	9,628.54	360.30	-3,636.60	3,635.48	0.00	0.00	0.00	
13,400.00	91.00	269.825	9,626.79	360.00	-3,736.58	3,735.47	0.00	0.00	0.00	
13,500.00	91.00	269.825	9,625.05	359.70	-3,836.57	3,835.45	0.00	0.00	0.00	
13,600.00	91.00	269.825	9,623.30	359.39	-3,936.55	3,935.44	0.00	0.00	0.00	
13,700.00	91.00	269.825	9,621.56	359.09	-4,036.54	4,035.42	0.00	0.00	0.00	
13,800.00	91.00	269.825	9,619.81	358.78	-4,136.52	4,135.40	0.00	0.00	0.00	
13,900.00	91.00	269.825	9,618.07	358.48	-4,236.50	4,235.39	0.00	0.00	0.00	
14,000.00	91.00	269.825	9,616.32	358.17	-4,336.49	4,335.37	0.00	0.00	0.00	
14,100.00	91.00	269.825	9,614.58	357.87	-4,436.47	4,435.36	0.00	0.00	0.00	
14,200.00	91.00	269.825	9,612.83	357.56	-4,536.46	4,535.34	0.00	0.00	0.00	
14,300.00	91.00	269.825	9,611.09	357.26	-4,636.44	4,635.33	0.00	0.00	0.00	
14,400.00	91.00	269.825	9,609.34	356.95	-4,736.43	4,735.31	0.00	0.00	0.00	
14,500.00	91.00	269.825	9,607.60	356.65	-4,836.41	4,835.30	0.00	0.00	0.00	
14,600.00	91.00	269.825	9,605.85	356.34	-4,936.39	4,935.28	0.00	0.00	0.00	
14,700.00	91.00	269.825	9,604.11	356.04	-5,036.38	5,035.27	0.00	0.00	0.00	
14,800.00	91.00	269.825	9,602.36	355.74	-5,136.36	5,135.25	0.00	0.00	0.00	
14,900.00	91.00	269.825	9,600.62	355.43	-5,236.35	5,235.24	0.00	0.00	0.00	
15,000.00	91.00	269.825	9,598.87	355.13	-5,336.33	5,335.22	0.00	0.00	0.00	
15,100.00	91.00	269.825	9,597.13	354.82	-5,436.32	5,435.21	0.00	0.00	0.00	

Planning Report

Database:	EDM 5000.18 Single User Db	Local Co-ordinate Reference:	Well Big Eddy Unit DI 5 West 27-29 5H
Company:	ROC	TVD Reference:	RKB 30 @ 3555.00usft (HP 549)
Project:	Big Eddy Unit DI 5 West - Eddy Co. - NAD 27 NME	MD Reference:	RKB 30 @ 3555.00usft (HP 549)
Site:	Big Eddy Unit DI 5 West - HP 549	North Reference:	Grid
Well:	Big Eddy Unit DI 5 West 27-29 5H	Survey Calculation Method:	Minimum Curvature
Wellbore:	ST01		
Design:	Plan 3 (ST01)		

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)	
15,200.00	91.00	269.825	9,595.38	354.52	-5,536.30	5,535.19	0.00	0.00	0.00	
15,300.00	91.00	269.825	9,593.63	354.21	-5,636.28	5,635.18	0.00	0.00	0.00	
15,400.00	91.00	269.825	9,591.89	353.91	-5,736.27	5,735.16	0.00	0.00	0.00	
15,500.00	91.00	269.825	9,590.14	353.60	-5,836.25	5,835.15	0.00	0.00	0.00	
15,600.00	91.00	269.825	9,588.40	353.30	-5,936.24	5,935.13	0.00	0.00	0.00	
15,700.00	91.00	269.825	9,586.65	352.99	-6,036.22	6,035.12	0.00	0.00	0.00	
15,800.00	91.00	269.825	9,584.91	352.69	-6,136.21	6,135.10	0.00	0.00	0.00	
15,900.00	91.00	269.825	9,583.16	352.39	-6,236.19	6,235.09	0.00	0.00	0.00	
16,000.00	91.00	269.825	9,581.42	352.08	-6,336.17	6,335.07	0.00	0.00	0.00	
16,100.00	91.00	269.825	9,579.67	351.78	-6,436.16	6,435.05	0.00	0.00	0.00	
16,200.00	91.00	269.825	9,577.93	351.47	-6,536.14	6,535.04	0.00	0.00	0.00	
16,300.00	91.00	269.825	9,576.18	351.17	-6,636.13	6,635.02	0.00	0.00	0.00	
16,400.00	91.00	269.825	9,574.44	350.86	-6,736.11	6,735.01	0.00	0.00	0.00	
16,500.00	91.00	269.825	9,572.69	350.56	-6,836.10	6,834.99	0.00	0.00	0.00	
16,600.00	91.00	269.825	9,570.95	350.25	-6,936.08	6,934.98	0.00	0.00	0.00	
16,700.00	91.00	269.825	9,569.20	349.95	-7,036.07	7,034.96	0.00	0.00	0.00	
16,800.00	91.00	269.825	9,567.46	349.64	-7,136.05	7,134.95	0.00	0.00	0.00	
16,900.00	91.00	269.825	9,565.71	349.34	-7,236.03	7,234.93	0.00	0.00	0.00	
17,000.00	91.00	269.825	9,563.97	349.03	-7,336.02	7,334.92	0.00	0.00	0.00	
17,100.00	91.00	269.825	9,562.22	348.73	-7,436.00	7,434.90	0.00	0.00	0.00	
17,200.00	91.00	269.825	9,560.48	348.43	-7,535.99	7,534.89	0.00	0.00	0.00	
17,300.00	91.00	269.825	9,558.73	348.12	-7,635.97	7,634.87	0.00	0.00	0.00	
17,400.00	91.00	269.825	9,556.99	347.82	-7,735.96	7,734.86	0.00	0.00	0.00	
17,500.00	91.00	269.825	9,555.24	347.51	-7,835.94	7,834.84	0.00	0.00	0.00	
17,600.00	91.00	269.825	9,553.50	347.21	-7,935.92	7,934.83	0.00	0.00	0.00	
17,700.00	91.00	269.825	9,551.75	346.90	-8,035.91	8,034.81	0.00	0.00	0.00	
17,800.00	91.00	269.825	9,550.01	346.60	-8,135.89	8,134.80	0.00	0.00	0.00	
17,900.00	91.00	269.825	9,548.26	346.29	-8,235.88	8,234.78	0.00	0.00	0.00	
18,000.00	91.00	269.825	9,546.52	345.99	-8,335.86	8,334.77	0.00	0.00	0.00	
18,100.00	91.00	269.825	9,544.77	345.68	-8,435.85	8,434.75	0.00	0.00	0.00	
18,200.00	91.00	269.825	9,543.03	345.38	-8,535.83	8,534.73	0.00	0.00	0.00	
18,300.00	91.00	269.825	9,541.28	345.07	-8,635.81	8,634.72	0.00	0.00	0.00	
18,400.00	91.00	269.825	9,539.54	344.77	-8,735.80	8,734.70	0.00	0.00	0.00	
18,500.00	91.00	269.825	9,537.79	344.47	-8,835.78	8,834.69	0.00	0.00	0.00	
18,600.00	91.00	269.825	9,536.04	344.16	-8,935.77	8,934.67	0.00	0.00	0.00	
18,700.00	91.00	269.825	9,534.30	343.86	-9,035.75	9,034.66	0.00	0.00	0.00	
18,800.00	91.00	269.825	9,532.55	343.55	-9,135.74	9,134.64	0.00	0.00	0.00	
18,900.00	91.00	269.825	9,530.81	343.25	-9,235.72	9,234.63	0.00	0.00	0.00	
19,000.00	91.00	269.825	9,529.06	342.94	-9,335.70	9,334.61	0.00	0.00	0.00	
19,100.00	91.00	269.825	9,527.32	342.64	-9,435.69	9,434.60	0.00	0.00	0.00	
19,200.00	91.00	269.825	9,525.57	342.33	-9,535.67	9,534.58	0.00	0.00	0.00	
19,300.00	91.00	269.825	9,523.83	342.03	-9,635.66	9,634.57	0.00	0.00	0.00	
19,400.00	91.00	269.825	9,522.08	341.72	-9,735.64	9,734.55	0.00	0.00	0.00	
19,500.00	91.00	269.825	9,520.34	341.42	-9,835.63	9,834.54	0.00	0.00	0.00	
19,600.00	91.00	269.825	9,518.59	341.11	-9,935.61	9,934.52	0.00	0.00	0.00	
19,700.00	91.00	269.825	9,516.85	340.81	-10,035.59	10,034.51	0.00	0.00	0.00	
19,800.00	91.00	269.825	9,515.10	340.51	-10,135.58	10,134.49	0.00	0.00	0.00	
19,900.00	91.00	269.825	9,513.36	340.20	-10,235.56	10,234.48	0.00	0.00	0.00	
20,000.00	91.00	269.825	9,511.61	339.90	-10,335.55	10,334.46	0.00	0.00	0.00	
20,100.00	91.00	269.825	9,509.87	339.59	-10,435.53	10,434.45	0.00	0.00	0.00	
20,200.00	91.00	269.825	9,508.12	339.29	-10,535.52	10,534.43	0.00	0.00	0.00	
20,300.00	91.00	269.825	9,506.38	338.98	-10,635.50	10,634.42	0.00	0.00	0.00	
20,400.00	91.00	269.825	9,504.63	338.68	-10,735.48	10,734.40	0.00	0.00	0.00	

Planning Report

Database:	EDM 5000.18 Single User Db	Local Co-ordinate Reference:	Well Big Eddy Unit DI 5 West 27-29 5H
Company:	ROC	TVD Reference:	RKB 30 @ 3555.00usft (HP 549)
Project:	Big Eddy Unit DI 5 West - Eddy Co. - NAD 27 NME	MD Reference:	RKB 30 @ 3555.00usft (HP 549)
Site:	Big Eddy Unit DI 5 West - HP 549	North Reference:	Grid
Well:	Big Eddy Unit DI 5 West 27-29 5H	Survey Calculation Method:	Minimum Curvature
Wellbore:	ST01		
Design:	Plan 3 (ST01)		

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)	
20,500.00	91.00	269.825	9,502.89	338.37	-10,835.47	10,834.38	0.00	0.00	0.00	
20,600.00	91.00	269.825	9,501.14	338.07	-10,935.45	10,934.37	0.00	0.00	0.00	
20,700.00	91.00	269.825	9,499.40	337.76	-11,035.44	11,034.35	0.00	0.00	0.00	
20,800.00	91.00	269.825	9,497.65	337.46	-11,135.42	11,134.34	0.00	0.00	0.00	
20,900.00	91.00	269.825	9,495.91	337.15	-11,235.41	11,234.32	0.00	0.00	0.00	
21,000.00	91.00	269.825	9,494.16	336.85	-11,335.39	11,334.31	0.00	0.00	0.00	
21,100.00	91.00	269.825	9,492.42	336.55	-11,435.37	11,434.29	0.00	0.00	0.00	
21,200.00	91.00	269.825	9,490.67	336.24	-11,535.36	11,534.28	0.00	0.00	0.00	
21,300.00	91.00	269.825	9,488.93	335.94	-11,635.34	11,634.26	0.00	0.00	0.00	
21,400.00	91.00	269.825	9,487.18	335.63	-11,735.33	11,734.25	0.00	0.00	0.00	
21,500.00	91.00	269.825	9,485.44	335.33	-11,835.31	11,834.23	0.00	0.00	0.00	
21,600.00	91.00	269.825	9,483.69	335.02	-11,935.30	11,934.22	0.00	0.00	0.00	
21,700.00	91.00	269.825	9,481.95	334.72	-12,035.28	12,034.20	0.00	0.00	0.00	
21,800.00	91.00	269.825	9,480.20	334.41	-12,135.26	12,134.19	0.00	0.00	0.00	
21,900.00	91.00	269.825	9,478.45	334.11	-12,235.25	12,234.17	0.00	0.00	0.00	
22,000.00	91.00	269.825	9,476.71	333.80	-12,335.23	12,334.16	0.00	0.00	0.00	
22,100.00	91.00	269.825	9,474.96	333.50	-12,435.22	12,434.14	0.00	0.00	0.00	
22,200.00	91.00	269.825	9,473.22	333.20	-12,535.20	12,534.13	0.00	0.00	0.00	
22,300.00	91.00	269.825	9,471.47	332.89	-12,635.19	12,634.11	0.00	0.00	0.00	
22,400.00	91.00	269.825	9,469.73	332.59	-12,735.17	12,734.10	0.00	0.00	0.00	
22,500.00	91.00	269.825	9,467.98	332.28	-12,835.15	12,834.08	0.00	0.00	0.00	
22,600.00	91.00	269.825	9,466.24	331.98	-12,935.14	12,934.06	0.00	0.00	0.00	
22,700.00	91.00	269.825	9,464.49	331.67	-13,035.12	13,034.05	0.00	0.00	0.00	
22,800.00	91.00	269.825	9,462.75	331.37	-13,135.11	13,134.03	0.00	0.00	0.00	
22,900.00	91.00	269.825	9,461.00	331.06	-13,235.09	13,234.02	0.00	0.00	0.00	
23,000.00	91.00	269.825	9,459.26	330.76	-13,335.08	13,334.00	0.00	0.00	0.00	
23,100.00	91.00	269.825	9,457.51	330.45	-13,435.06	13,433.99	0.00	0.00	0.00	
23,183.25	91.00	269.825	9,456.06	330.20	-13,518.30	13,517.23	0.00	0.00	0.00	
23,200.00	91.00	269.825	9,455.77	330.15	-13,535.05	13,533.97	0.00	0.00	0.00	
23,233.26	91.00	269.825	9,455.19	330.05	-13,568.30	13,567.23	0.00	0.00	0.00	

Design Targets										
Target Name										
- hit/miss target	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude	
- Shape										
T box	0.00	0.000	9,111.72	371.88	157.05	563,349.78	647,467.26	32° 32' 52.245 N	103° 51' 17.134 W	
- plan misses target center by 50.68usft at 9144.30usft MD (9111.72 TVD, 333.41 N, 190.06 E)										
- Rectangle (sides W60.00 H70.00 D0.00)										
BHL - BEU DI 5 West	0.00	0.000	9,455.19	330.00	-13,568.30	563,307.90	633,741.90	32° 32' 52.412 N	103° 53' 57.486 W	
- plan misses target center by 0.05usft at 23233.26usft MD (9455.19 TVD, 330.05 N, -13568.30 E)										
- Point										
LTP - BEU DI 5 West	0.00	0.000	9,456.06	330.20	-13,518.30	563,308.10	633,791.90	32° 32' 52.412 N	103° 53' 56.901 W	
- plan hits target center										
- Point										
FTP - BEU DI 5 West	0.00	0.000	9,684.59	370.10	-425.90	563,348.00	646,884.30	32° 32' 52.253 N	103° 51' 23.944 W	
- plan misses target center by 4.40usft at 10088.95usft MD (9684.58 TVD, 365.70 N, -426.12 E)										
- Point										

Planning Report

Database:	EDM 5000.18 Single User Db	Local Co-ordinate Reference:	Well Big Eddy Unit DI 5 West 27-29 5H
Company:	ROC	TVD Reference:	RKB 30 @ 3555.00usft (HP 549)
Project:	Big Eddy Unit DI 5 West - Eddy Co. - NAD 27 NME	MD Reference:	RKB 30 @ 3555.00usft (HP 549)
Site:	Big Eddy Unit DI 5 West - HP 549	North Reference:	Grid
Well:	Big Eddy Unit DI 5 West 27-29 5H	Survey Calculation Method:	Minimum Curvature
Wellbore:	ST01		
Design:	Plan 3 (ST01)		

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
672.98	672.97	Rustler		-1.00	269.825
949.00	948.99	Salado		-1.00	269.825
2,255.31	2,255.10	MB126		-1.00	269.825
2,355.33	2,355.11	Base Salt		-1.00	269.825
2,780.46	2,779.86	Capitan Reef		-1.00	269.825
3,938.34	3,936.25	Delaware Ss.		-1.00	269.825
5,923.40	5,895.18	Brushy Canyon Ss.		-1.00	269.825
7,317.72	7,285.27	Basal Brushy Canyon Ss.		-1.00	269.825
7,504.92	7,472.34	Bone Spring Lime		-1.00	269.825
7,699.92	7,667.34	Avalon Shale Upper SH		-1.00	269.825
8,043.92	8,011.34	Avalon Mid Carb		-1.00	269.825
8,202.92	8,170.34	Avalon Shale Lower SH		-1.00	269.825
8,437.92	8,405.34	1st Bone Spring Lime		-1.00	269.825
8,778.92	8,746.34	1st Bone Spring Sand		-1.00	269.825
9,139.92	9,107.34	2nd Bone Spring Lime		-1.00	269.825
9,260.50	9,227.13	2nd Bone Spring Sand		-1.00	269.825
9,428.12	9,384.14	2nd Bone Spring B Sand		-1.00	269.825
9,702.50	9,585.97	2nd Bone Spring C Sand		-1.00	269.825

Project: Big Eddy Unit DI 5 West - Eddy Co. - NAD 27 NME

Site: Big Eddy Unit DI 5 West - HP 549

Well: Big Eddy Unit DI 5 West 27-29 5H

Wellbore: ST01

Design: Plan 3 (ST01)

WELL DETAILS: Big Eddy Unit DI 5 West 27-29 5H

Ground Elevation: 3525.00

RKB Elevation: RKB 30 @ 3555.00usft (HP 549)

Rig Name: HP 549

Northing
562977.90

Easting
647310.20

Latitude
32° 32' 48.572 N

Longitude
103° 51' 18.988 W

DESIGN TARGET DETAILS							
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
T box	9111.72	371.88	157.05	563349.78	647467.25	32° 32' 52.245 N	103° 51' 17.134 W
BHL - BEU DI 5 West 27-29 5H	9455.19	330.00	-13688.30	563307.90	633741.90	32° 32' 52.412 N	103° 53' 57.486 W
LTP - BEU DI 5 West 27-29 5H	9456.06	330.20	-13518.30	563308.10	633791.90	32° 32' 52.412 N	103° 53' 56.901 W
FTP - BEU DI 5 West 27-29 5H	9684.59	370.10	-425.90	563348.00	646884.30	32° 32' 52.253 N	103° 51' 23.944 W

SECTION TARGET DETAILS											
MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target		
6500.00	3.28	39.922	6469.88	378.01	145.07	0.00	0.00	-146.22			
6515.00	1.13	105.564	6484.87	378.30	145.49	20.00	160.00	-146.64			
6615.00	1.13	105.564	6584.85	377.77	147.38	0.00	0.00	-148.53			
6750.95	5.00	136.750	6720.59	373.09	152.73	3.00	39.39	-153.87			
7250.95	5.00	136.750	7218.69	341.35	182.59	0.00	0.00	-183.63			
7500.95	0.00	0.000	7468.37	333.41	190.06	2.00	180.00	-191.07			
9144.88	0.00	0.000	9112.30	333.41	190.06	0.00	0.00	-191.07			
10054.88	91.00	273.000	9685.17	363.92	-392.10	10.00	273.00	390.99			
10088.72	91.00	273.000	9684.58	365.69	-425.89	0.00	0.00	424.77	FTP - BEU DI 5 West 27-29 5H		
10247.42	91.00	269.825	9681.81	369.60	-584.50	2.00	-89.97	583.37			
23183.25	91.00	269.825	9456.06	330.20	13518.30	0.00	0.00	13517.23	LTP - BEU DI 5 West 27-29 5H		
23233.26	91.00	269.825	9455.19	330.05	13568.30	0.00	0.00	13567.23	BHL - BEU DI 5 West 27-29 5H		

FORMATION TOP DETAILS		
TVDPath	MDPath	Formation
672.97	672.98	Rustler
948.99	949.00	Salado
2255.10	2255.31	MB126
2355.11	2355.33	Base Salt
2779.86	2780.46	Capitan Reef
3936.25	3938.34	Delaware Ss.
5895.18	5923.40	Brushy Canyon Ss.
7285.27	7317.72	Basal Brushy Canyon Ss.
7472.34	7504.92	Bone Spring Lime
7667.34	7699.92	Avalon Shale Upper SH
8011.34	8043.92	Avalon Mid Carb
8170.34	8202.92	Avalon Shale Lower SH
8405.34	8437.92	1st Bone Spring Lime
8746.34	8778.92	1st Bone Spring Sand
9107.34	9139.92	2nd Bone Spring Lime
9227.13	9260.50	2nd Bone Spring Sand
9384.14	9428.12	2nd Bone Spring B Sand
9585.97	9702.50	2nd Bone Spring C Sand



Azimuths to Grid North

True North: -0.26°

Magnetic North: 5.99°

Magnetic Field

Strength: 47254.5nT

Dip Angle: 60.02°

Date: 4/20/2025

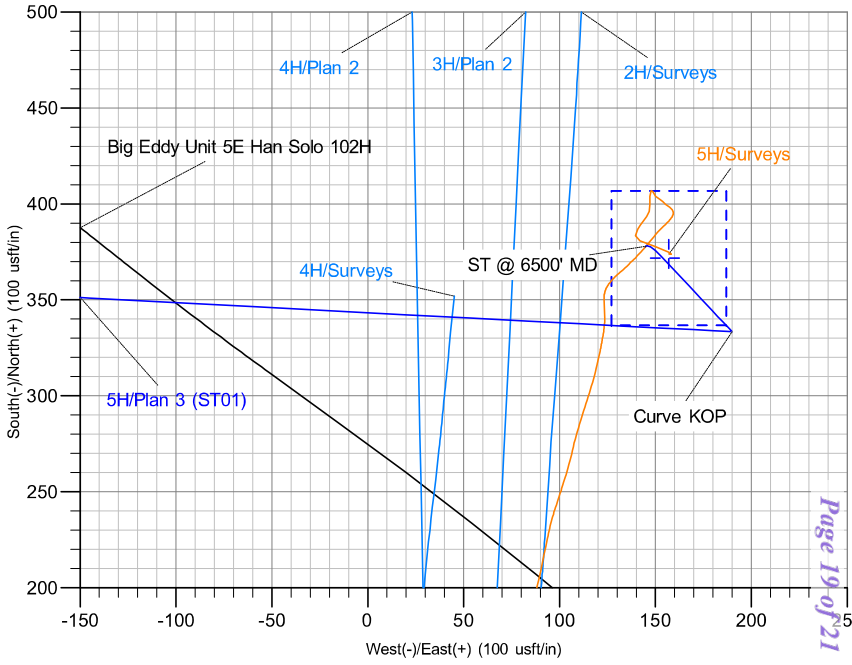
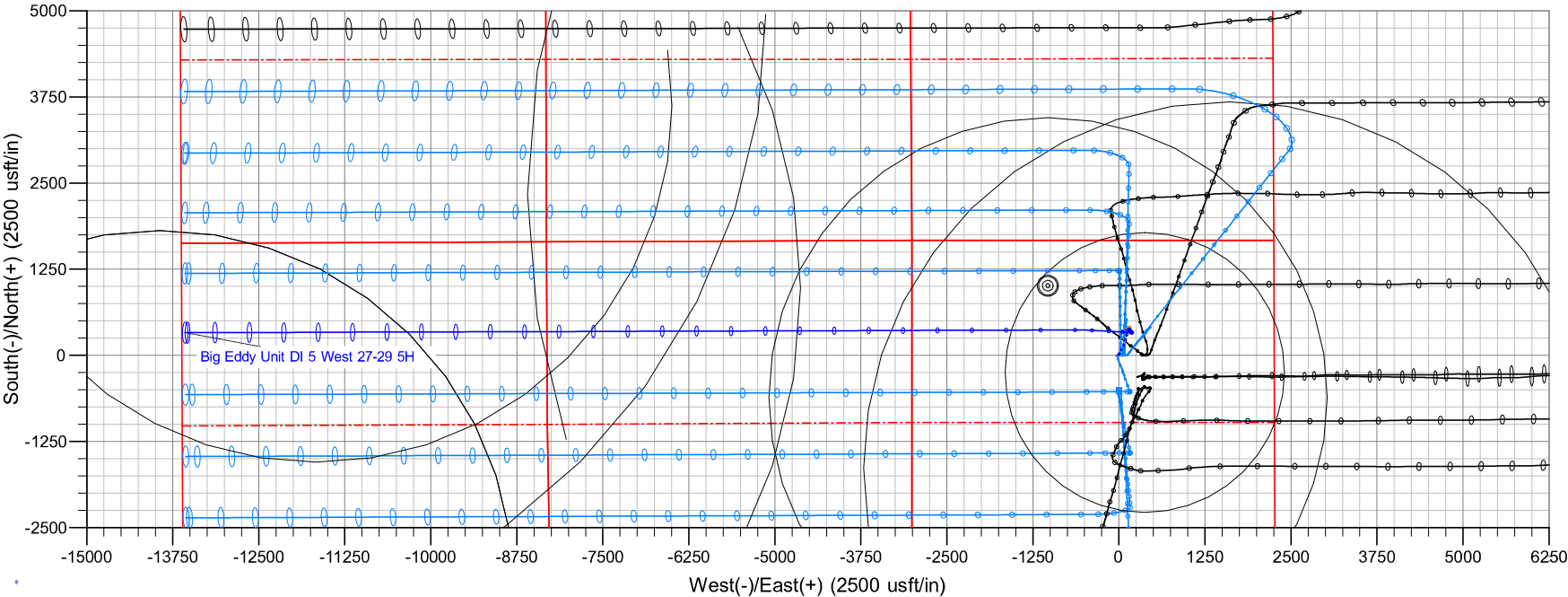
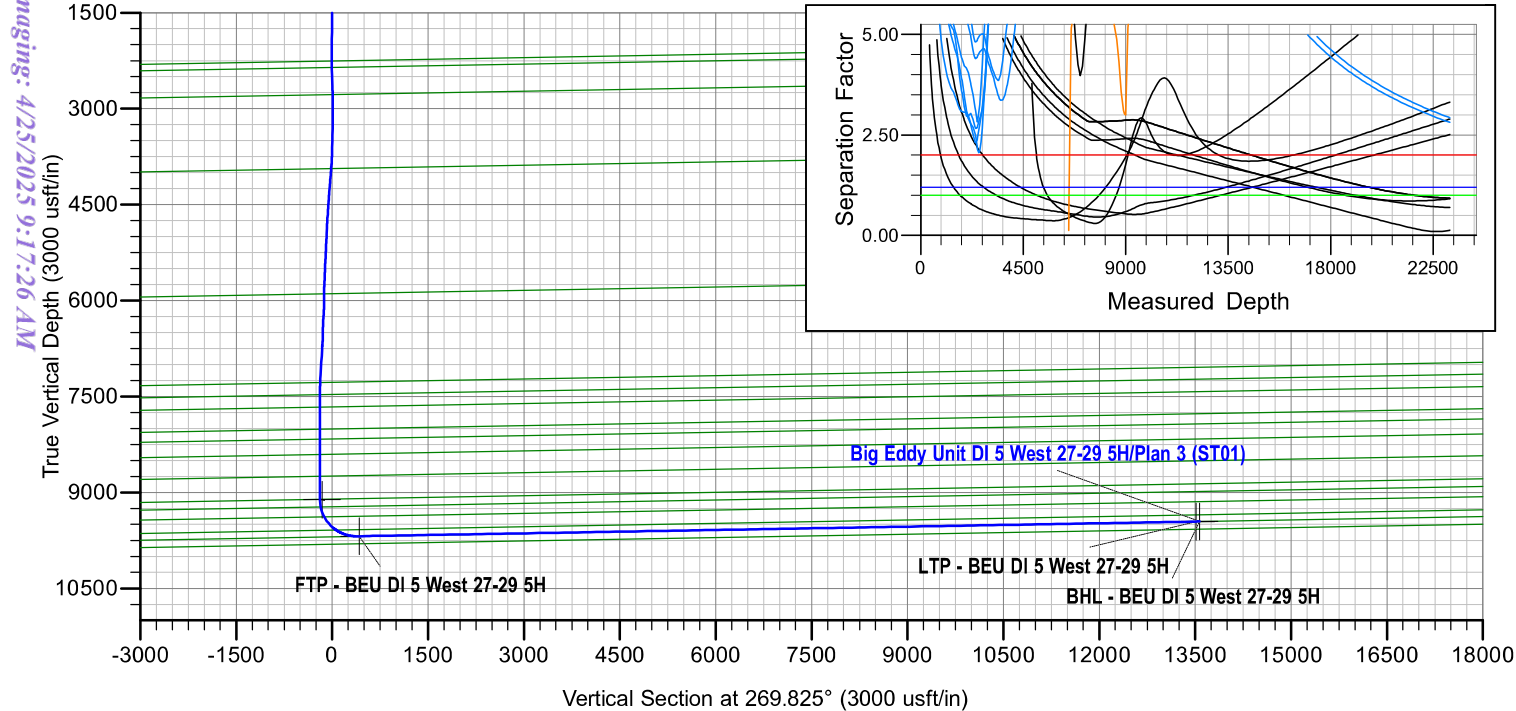
Model: IGRF2020

T

G

M





From: Vo, Long T <lvo@blm.gov>
Sent: Sunday, April 20, 2025 2:33 PM
To: Gonzalez, Manuel A <manuel.a.gonzalez@exxonmobil.com>
Cc: Baker, Adrian <adrian.baker@exxonmobil.com>; Olson, Tanner E <tanner.e.olson@exxonmobil.com>
Subject: Re: [EXTERNAL] BEU DI 5 West 27-29 5H (API: 30-015-55990)

External Email - Think Before You Click

Manuel,

You are approved to proceed with the proposed plan. Please follow up with a formal sundry within 5 business days (attach email with sundry) and have a copy of the verbal approval on the rig site.

Regards,

Long Vo

Petroleum Engineer
Carlsbad Field Office
Land and Minerals
Bureau of Land Management
Department of Interior
575-988-5402 Cell

"Be the change that you wish to see in the world"-Gandhi
www.linkedin.com/in/Long-Thanh-Vo

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

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/oed/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 455560

CONDITIONS

Operator: XTO PERMIAN OPERATING LLC. 6401 HOLIDAY HILL ROAD MIDLAND, TX 79707	OGRID: 373075
	Action Number: 455560
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
ward.rikala	Operator must comply with all of the R-111-Q requirements.	4/25/2025
ward.rikala	Approved if BHL is per the original APD regarding FTP and LTP.	4/25/2025
ward.rikala	Must submit As Drilled survey once well is completed.	4/25/2025