

Well Name: HIGH LIFE FED COM	Well Location: T25S / R25E / SEC 10 / SENE / 32.1465841 / -104.3761239	County or Parish/State: EDDY / NM
Well Number: 152H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM91507	Unit or CA Name:	Unit or CA Number:
US Well Number: 3001554523	Operator: TAP ROCK OPERATING LLC	

Notice of Intent

Sundry ID: 2854032

Type of Submission: Notice of Intent	Type of Action: APD Change
Date Sundry Submitted: 05/21/2025	Time Sundry Submitted: 08:54
Date proposed operation will begin: 07/01/2025	

Procedure Description: Tap Rock Requests permission to alter the following information on the High Life Fed Com 152H: Name change this well to the High Life Fed Com 153H, Surface Hole Location, Bottom Hole Location, length of lateral, casing tables, cement tables, mud tables, BOP Testing Procedure, Unit Size. Tap Rock Operating requests to only test BOP connection breaks after rig walks per the procedures and stipulations set forth in the “BOP Shell Test Procedure” document emailed to the BLM on 8/11/22. Surface Hole Location: Previously at 1828 FNL, 275 FEL Section 10, Township 25S, Range 25E New Surface Hole Location: 1832 FNL, 250 FEL, Section 10, Township 25S, Range 25E First Take Point Location: Previously at 1599 FNL, 100 FWL Section 11, Township 25S, Range 25E New First Take Point Location: 2030 FSL, 100 FWL, Section 11, Township 25S, Range 25E Bottom Hole Location: Previously at 1600 FNL, 5 FEL Section 12, Township 25S, Range 25E New Bottom Hole Location: 2030 FSL, 5 FEL Section 7, Township 25S, Range 25E. Tap Rock would like to extend the lateral by a mile, changing the plan from a 2 mile to a 3 mile skinny unit well. New Directional plans have been attached. Tap Rock would also like to alter the hole size and casing size of the surface, intermediate, and production string. Please see updated casing tables for all pertinent information on this well.

NOI Attachments

Procedure Description

High_Life_Fed_Com_153H_Sundry_Attachment_20250521_Cover_20250521085310.pdf

Well Name: HIGH LIFE FED COM

Well Location: T25S / R25E / SEC 10 / SENE / 32.1465841 / -104.3761239

County or Parish/State: EDDY / NM

Well Number: 152H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM91507

Unit or CA Name:

Unit or CA Number:

US Well Number: 3001554523

Operator: TAP ROCK OPERATING LLC

Conditions of Approval

Additional

Sec_11_25S_25E_NMP_Sundry_2854032_High_Life_Fed_Com_152H_COAs_20250625091702.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: BILL RAMSEY

Signed on: JUL 11, 2025 03:42 PM

Name: TAP ROCK OPERATING LLC

Title: Regulatory Analyst

Street Address: 1700 LINCOLN ST SUITE 4700

City: DENVER

State: CO

Phone: (720) 360-4028

Email address: BRAMSEY@TAPRK.COM

Field

Representative Name:

Street Address:

City:

State:

Zip:

Phone:

Email address:

BLM Point of Contact

BLM POC Name: CHRISTOPHER WALLS

BLM POC Title: Petroleum Engineer

BLM POC Phone: 5752342234

BLM POC Email Address: cwalls@blm.gov

Disposition: Approved

Disposition Date: 07/14/2025

Signature: Chris Walls

High Life Fed Com 153H (Formerly known as the High Life Fed Com 152H)

Tap Rock Requests permission to alter the following information on the High Life Fed Com 152H:

Name change this well to the High Life Fed Com 153H, Surface Hole Location, Bottom Hole Location, length of lateral, casing tables, cement tables, mud tables, BOP Testing Procedure, Unit Size.

Tap Rock Operating requests to only test BOP connection breaks after rig walks per the procedures and stipulations set forth in the "BOP Shell Test Procedure" document emailed to the BLM on 8/11/22.

Surface Hole Location: Previously at 1828 FNL, 275 FEL Section 10, Township 25S, Range 25E

New Surface Hole Location: 1832 FNL, 250 FEL, Section 10, Township 25S, Range 25E

First Take Point Location: Previously at 1599 FNL, 100 FWL Section 11, Township 25S, Range 25E

New First Take Point Location: 2030 FSL, 100 FWL, Section 11, Township 25S, Range 25E

Bottom Hole Location: Previously at 1600 FNL, 5 FEL Section 12, Township 25S, Range 25E

New Bottom Hole Location: 2030 FSL, 5 FEL Section 7, Township 25S, Range 25E.

Tap Rock would like to extend the lateral by a mile, changing the plan from a 2 mile to a 3 mile skinny unit well. New Directional plans have been attached. Tap Rock would also like to alter the hole size and casing size of the surface, intermediate, and production string. Please see updated casing tables for all pertinent information on this well.

Section	Drilled Interval			Casing Size	Standard	Tapered	Casing Set Depths				Casing Details					
	Hole Size	Top	Btm				Top MD	Bottom MD	Top TVD	BTM TVD	Grade	Weight	Thread	Collapse	Burst	Tension
Surface	14 3/4	0	420	11 3/4	API	No	0	420	0	420	J-55	42	BUTT	1.13	1.15	1.6
Intermediate	11	420	1,524	8 5/8	API	No	0	1,524	0	1,513	J-55	32	BUTT	1.13	1.15	1.6
Production	7 7/8	1,524	23,145	5 1/2	NON API	No	0	23,145	0	7,609	P-110	20	TXP	1.13	1.15	1.6

Name	Type	Top MD	Sacks	Yield	Cu. Ft	Weight	Excess	Cement	Additives
Surface	Tail	0	439	1.33	583	14.8	100%	C	5% NCI + LCM
Intermediate	Lead	0	141	2.7	380	11.0	75%	C	Bentonite + 1% CaCL2 + 8% NaCl + LCM
	Tail	1024	124	1.33	165	14.8	30%	C	5% NaCl + LCM
Production	Lead	1324	346	3.35	1158	10.5	20%	C	Fluid Loss + Dispersant + Retarder + LCM
	Tail	6917	2073	1.63	3379	13.2	20%	H	Fluid Loss + Dispersant + Retarder + LCM

Name	Top	Bottom	Type	Mud Weight	Visc	Fluid Loss
Surface	0	420	FW Spud Mud	8.40	27-30	NC
Intermediate	420	1,524	Salt-saturated Mud	10.00	27-30	NC
Production	1,524	23,145	FW/Cut Brine	9.00	27-30	NC

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 AND ACREAGE DEDICATION PLAT

API Number 30-015-54523	Pool Code 97494	Pool Name COTTONWOOD DRAW; BONE SPRING (O)
Property Code 335064	Property Name HIGH LIFE FED COM	Well Number 153H
OGRID No. 372043	Operator Name TAP ROCK OPERATING, LLC.	Ground Level Elevation 3512'
Surface Owner: ☐ State ☒ Fee ☐ Tribal ☐ Federal		Mineral Owner: ☐ State ☒ Fee ☐ Tribal ☒ Federal

Surface Location

UL or lot no. H	Section 10	Township 25-S	Range 25-E	Lot Idn -	Feet from the N/S 1832' N	Feet from the E/W 250' E	Latitude N 32.1465713	Longitude W 104.3760429	County EDDY
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Bottom Hole Location

UL or lot no. I	Section 7	Township 25-S	Range 26-E	Lot Idn -	Feet from the N/S 2030' S	Feet from the E/W 5' E	Latitude N 32.1429269	Longitude W 104.3238895	County EDDY
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Dedicated Acres 480.01	Infill or Defining Well Defining	Defining Well API 30-015-54523	Overlapping Spacing Unit (Y/N) N	Consolidated Code C
Order Numbers			Well Setbacks are under Common Ownership: ☒ Yes ☐ No	

Kick Off Point (KOP)

UL or lot no. L	Section 11	Township 25-S	Range 25-E	Lot Idn -	Feet from the N/S 2030' S	Feet from the E/W 50' W	Latitude N 32.1426732	Longitude W 104.3750240	County EDDY
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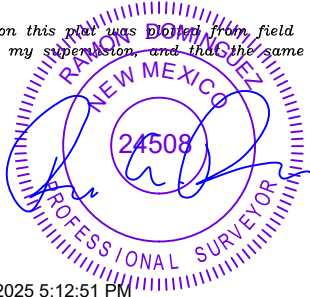
First Take Point (FTP)

UL or lot no. L	Section 11	Township 25-S	Range 25-E	Lot Idn -	Feet from the N/S 2030' S	Feet from the E/W 100' W	Latitude N 32.1426731	Longitude W 104.3748625	County EDDY
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Last Take Point (LTP)

UL or lot no. I	Section 7	Township 25-S	Range 26-E	Lot Idn -	Feet from the N/S 2030' S	Feet from the E/W 100' E	Latitude N 32.1429257	Longitude W104.3241967	County EDDY
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Unitized Area or Area of Uniform Interest ----	Spacing Unity Type ☒ Horizontal ☐ Vertical	Ground Floor Elevation ,
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OPERATOR CERTIFICATION <i>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 or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i> <i>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.</i> William Ramsey 5/2/2025 Signature Date Bill Ramsey Print Name bramsey@taprk.com E-mail Address		SURVEYORS CERTIFICATION <i>I hereby certify that the well location shown on this plat was derived 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.</i>  5/2/2025 5:12:51 PM Signature and Seal of Professional Surveyor Date Certificate Number Date of Survey 04/17/2025	
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C-102

Submit Electronically
Via OCD PermittingState of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION

Revised July 9, 2024

Submittal
Type:

- ☐ Initial Submittal
- ☐ Amended Report
- ☐ As Drilled

Property Name and Well Number

HIGH LIFE FED COM 153H

SURFACE LOCATION (SHL)

NEW MEXICO EAST
NAD 1983
X=528119 Y=417061
LAT.: N 32.1465713
LONG.: W 104.3760429

NAD 1927

X=486937 Y=417004
LAT.: N 32.1464537
LONG.: W 104.3755386
1832' FNL 250' FEL

KICK OFF POINT (KOP)

NEW MEXICO EAST
NAD 1983
X=528434 Y=415643
LAT.: N 32.1426732
LONG.: W 104.3750240

NAD 1927

X=487252 Y=415586
LAT.: N 32.1425554
LONG.: W 104.3745202
2030' FSL 50' FWL

FIRST TAKE POINT (FTP)

NEW MEXICO EAST
NAD 1983
X=528484 Y=415642
LAT.: N 32.1426731
LONG.: W 104.3748625

NAD 1927

X=487302 Y=415586
LAT.: N 32.1425553
LONG.: W 104.3743586
2030' FSL 100' FWL

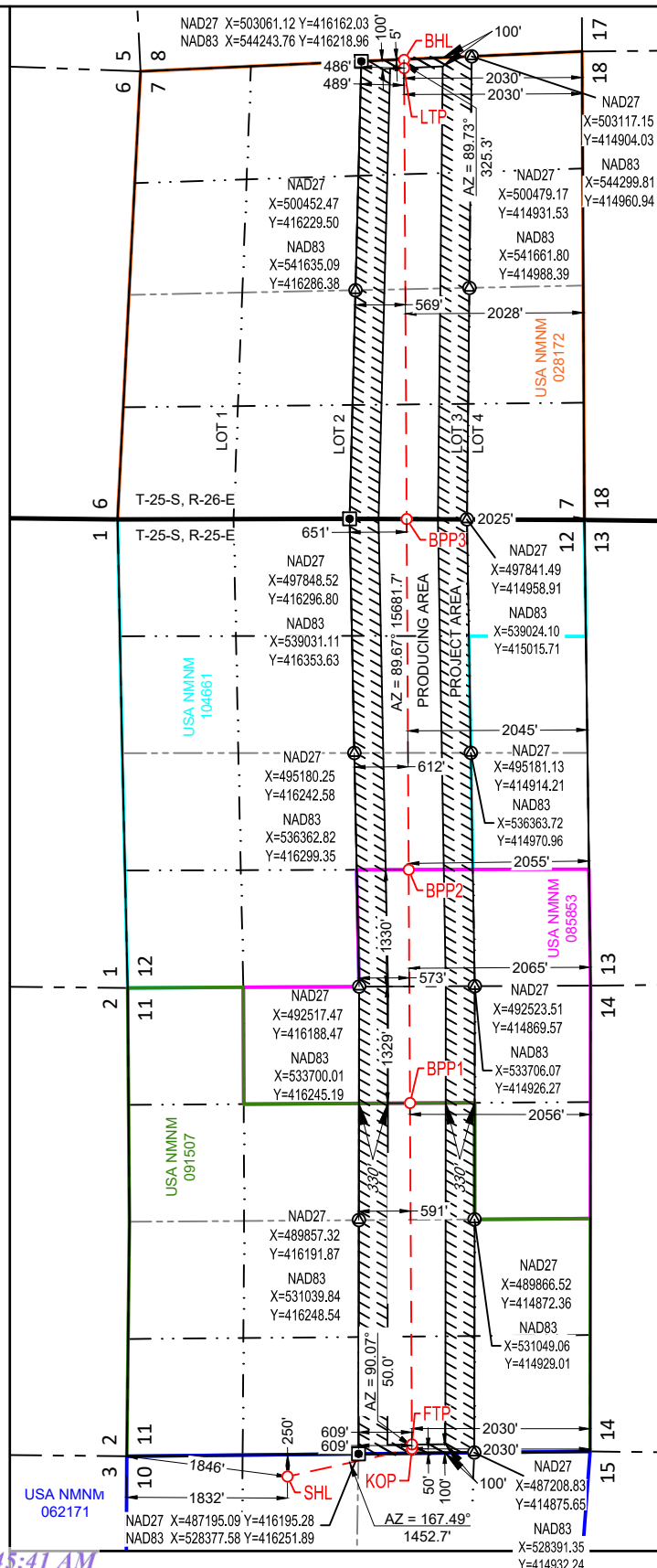
BLM PERF. POINT (BPP1)

NEW MEXICO EAST
NAD 1983
X=532373 Y=415665
LAT.: N 32.1427378
LONG.: W 104.3622962

NAD 1927

X=491191 Y=415608
LAT.: N 32.1426198
LONG.: W 104.3617927
2056' FSL 1329' FEL

T-25-S, R-26-E
SECTION 7
LOT 1 - 39.93 ACRES
LOT 2 - 39.97 ACRES
LOT 3 - 40.01 ACRES
LOT 4 - 40.05 ACRES



BLM PERF. POINT (BPP2)

NEW MEXICO EAST
NAD 1983
X=535033 Y=415680
LAT.: N 32.1427813
LONG.: W 104.3537029

NAD 1927

X=493851 Y=415623
LAT.: N 32.1426631
LONG.: W 104.3531998
2055' FSL 1330' FWL

BLM PERF. POINT (BPP3)

NEW MEXICO EAST
NAD 1983
X=539028 Y=415703
LAT.: N 32.1428456
LONG.: W 104.3407962

NAD 1927

X=497846 Y=415646
LAT.: N 32.1427271
LONG.: W 104.3402935
2025' FSL 0' FEL

LAST TAKE POINT (LTP)

NEW MEXICO EAST
NAD 1983
X=544165 Y=415732
LAT.: N 32.1429257
LONG.: W 104.3241967

NAD 1927

X=502983 Y=415675
LAT.: N 32.1428069
LONG.: W 104.3236945
2030' FSL 100' FEL

BOTTOM HOLE LOCATION (BHL)

NEW MEXICO EAST
NAD 1983
X=544260 Y=415732
LAT.: N 32.1429269
LONG.: W 104.3238895

NAD 1927

X=503078 Y=415675
LAT.: N 32.1428081
LONG.: W 104.3233873
2030' FSL 5' FEL

SURVEYORS CERTIFICATION

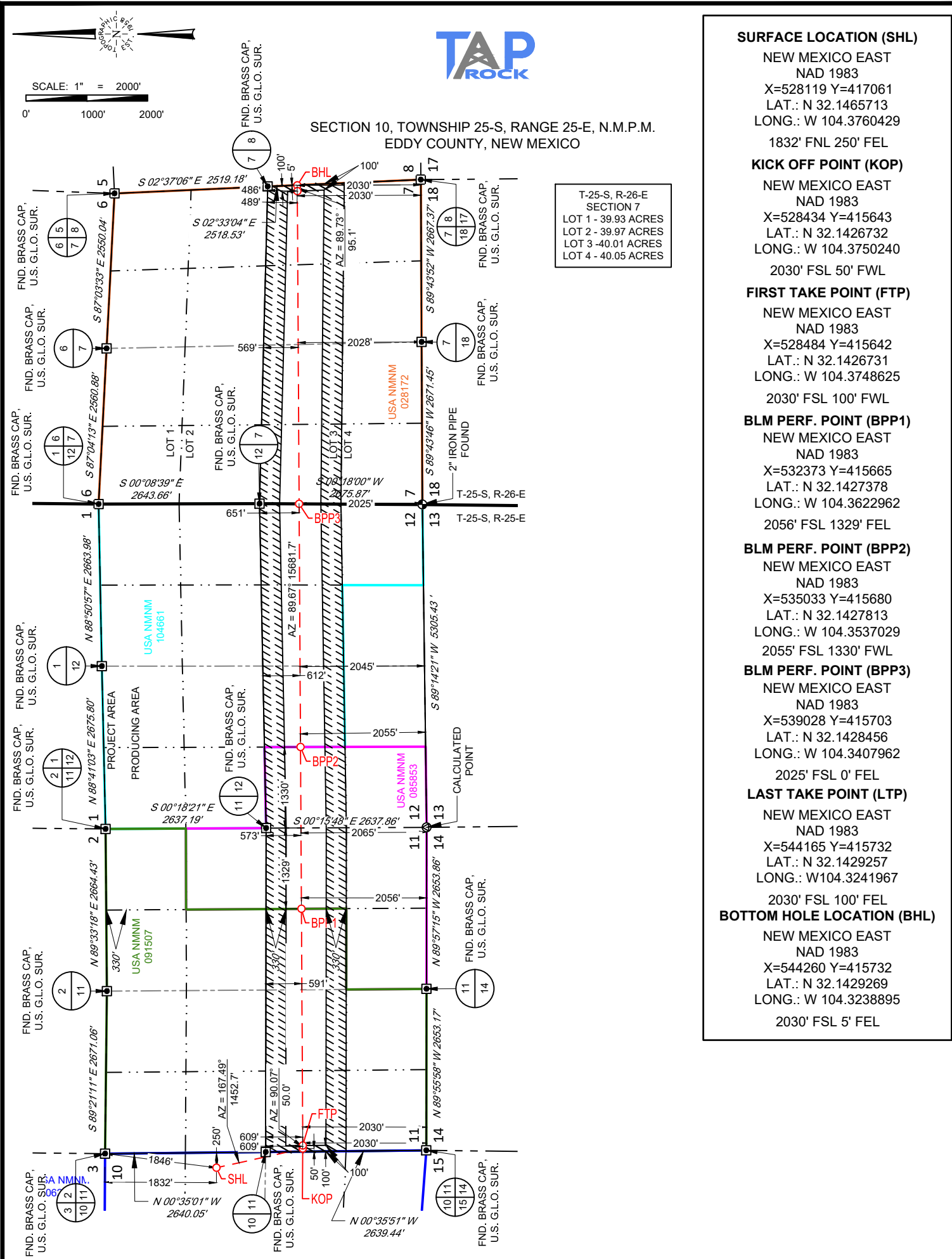
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.
04/17/2025

Date of Survey

Signature and Seal of Professional Surveyor:



5/2/2025 5:12:53 PM



LEASE NAME & WELL NO.: HIGH LIFE FED COM 153H

SECTION 10 TWP 25-S RGE 25-E SURVEY N.M.P.M.
COUNTY EDDY STATE NM
DESCRIPTION 1832' FNL & 250' FEL

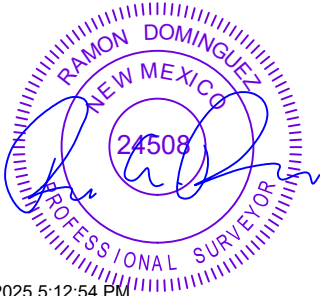
DISTANCE & DIRECTION

FROM INT. OF BLACK RIVER VILLAGE RD., & US-180 W/US-62 W. GO
SOUTHEAST ON US-180 W/US-62 W ±9.6 MILES. THENCE MAKE A U-TURN
±2.9 MILES, THENCE EAST (RIGHT) ON WHITES CITY RD. ±1.2 MILES,
THENCE WEST (RIGHT) ON A PROPOSED RD. ±483 FEET TO A POINT
±348 FEET NORTHWEST OF THE LOCATION.

ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREON ARE GRID BASED UPON THE NEW MEXICO COORDINATE SYSTEM OF 1983, EAST ZONE, U.S. SURVEY FEET

THIS EASEMENT/SERVITUDE LOCATION SHOWN HEREON HAS BEEN SURVEYED ON THE GROUND UNDER MY SUPERVISION AND PREPARED ACCORDING TO THE EVIDENCE FOUND AT THE TIME OF SURVEY, AND DATA PROVIDED BY TAP ROCK OPERATING, LLC. THIS CERTIFICATION IS MADE AND LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE. THIS SURVEY IS CERTIFIED FOR THIS TRANSACTION ONLY.

AS OF THE DATE OF SURVEY, ALL ABOVE GROUND APPURTENANCES WITHIN 300' OF THE STAKED LOCATION ARE SHOWN HEREON.



5/2/2025 5:12:54 PM

Ramon A. Dominguez , P.S. No. 24508



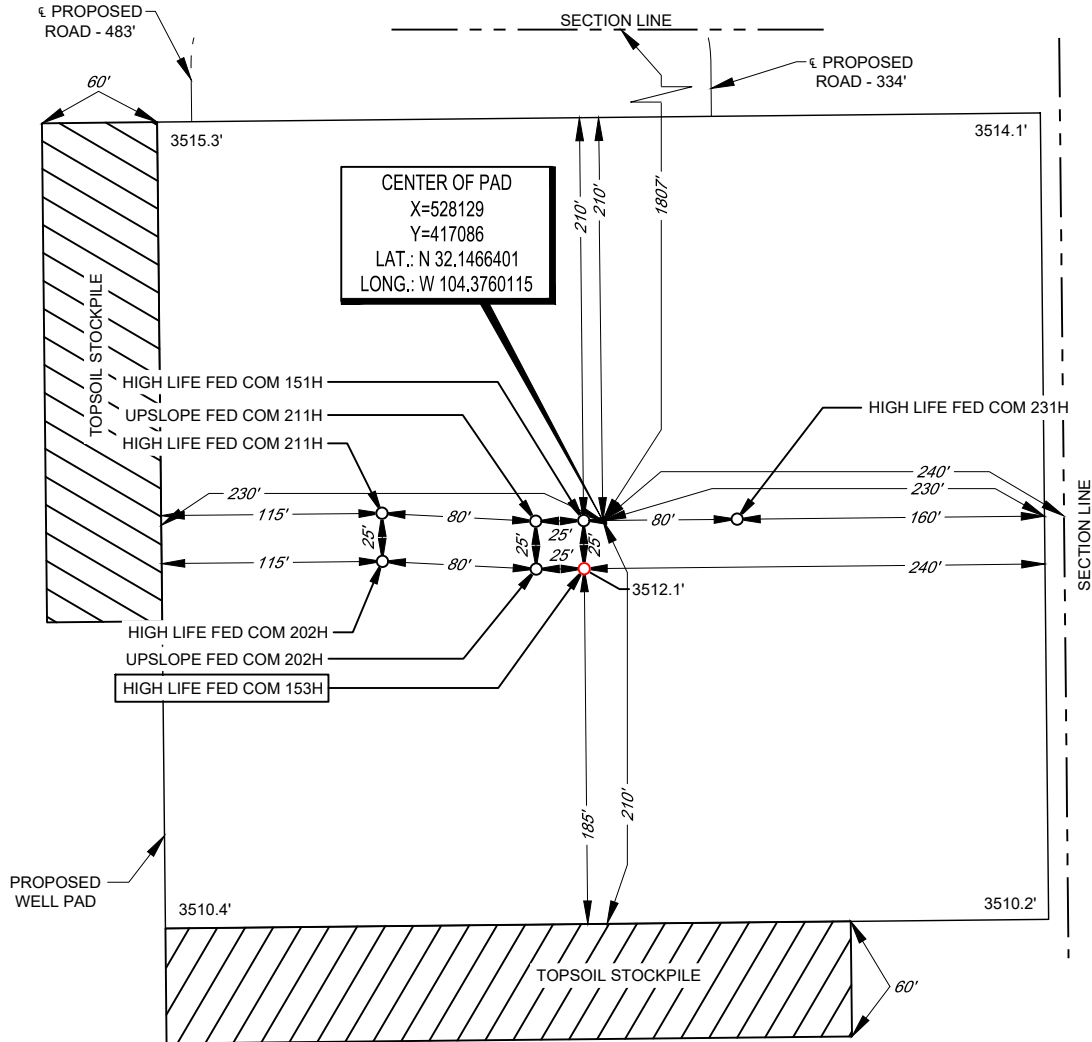
481 WINSOTT ROAD, Ste. 200 • BENBROOK, TEXAS 76126
TELEPHONE: (817) 744-7512 • FAX (817) 744-7554
2903 NORTH BIG SPRING • MIDLAND, TEXAS 79705
TELEPHONE: (432) 682-1653 OR (800) 767-1653 • FAX (432) 682-1743
WWW.TOPOGRAPHIC.COM



LEGEND

--- SECTION LINE
 --- PROPOSED ROAD

SECTION 10, TOWNSHIP 25-S, RANGE 25-E, N.M.P.M.
 EDDY COUNTY, NEW MEXICO



5/2/2025 5:12:55 PM

Ramon A. Dominguez, P.S. No. 24508

LEASE NAME & WELL NO.: HIGH LIFE FED COM 153H
 153H LATITUDE N 32.1465713 153H LONGITUDE W 104.3760429

CENTER OF PAD IS 1807' FNL & 240' FEL



SCALE: 1" = 100'
 0' 50' 100'



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 2903 NORTH BIG SPRING • MIDLAND, TEXAS 79705
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ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREON ARE GRID BASED UPON THE NEW MEXICO COORDINATE SYSTEM OF 1983, EAST ZONE, U.S. SURVEY FEET. ELEVATIONS USED ARE NAVD88, OBTAINED THROUGH AN OPUS SOLUTION.

THIS PROPOSED PAD SITE LOCATION SHOWN HEREON HAS BEEN SURVEYED ON THE GROUND UNDER MY SUPERVISION AND PREPARED ACCORDING TO THE EVIDENCE FOUND AT THE TIME OF SURVEY, AND DATA PROVIDED BY TAP ROCK OPERATING, LLC. ONLY THE DATA SHOWN ABOVE IS BEING CERTIFIED TO, ALL OTHER INFORMATION WAS INTENTIONALLY OMITTED. THIS PLAT IS ONLY INTENDED TO BE USED FOR A PERMIT AND IS NOT A BOUNDARY SURVEY. THIS CERTIFICATION IS MADE AND LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE. THIS SURVEY IS CERTIFIED FOR THIS TRANSACTION ONLY.

ORIGINAL DOCUMENT SIZE: 8.5" X 11"



Company: Tap Rock Operating
Well: High Life Fed Com 153H
County: Eddy County, New Mexico (NAD 83)
Rig: H&P 466
Wellbore: Wellbore #1
Design: Design #3
Date: 16:20, May 20 2025

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



WELL DETAILS: High Life Fed Com 153H

		GL @ 3512.00	Well @ 3538.00usft (H&P 466)		
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	417060.73	528119.15	32° 8' 47.657 N	104° 22' 33.754 W

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSec	Annotation
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.00	
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.000	0.00	KOP, 1.50°/100' Build
1571.30	16.07	171.39	1557.31	-147.57	22.35	1.50	171.388	21.45	Begin 16.07° Tangent
5674.31	16.07	171.39	5500.00	-1270.49	192.42	0.00	0.000	184.66	Begin 1.50°/100' Drop
6745.61	0.00	0.00	6557.31	-1418.05	214.77	1.50	180.000	206.11	Begin Vertical Hold
6916.54	0.00	0.00	6728.24	-1418.05	214.77	0.00	0.000	206.11	KOP, 11.00°/100' Build
7725.63	89.00	89.69	7249.03	-1415.25	726.54	11.00	89.687	717.89	Hold 89.00° Inc, 89.69° Azm
8007.78	89.00	89.69	7253.95	-1413.71	1008.65	0.00	0.000	1000.00	Begin 2.00°/100' Drop
8027.92	88.60	89.69	7254.38	-1413.60	1028.78	2.00	-179.985	1020.13	Hold 88.60° Inc, 89.69° Azm
9508.23	88.60	89.69	7290.61	-1405.50	2508.63	0.00	0.000	2500.00	Begin 2.00°/100' Drop
9523.13	88.30	89.69	7291.02	-1405.42	2523.52	2.00	179.958	2514.89	Hold 88.30° Inc, 89.69° Azm
11254.54	88.30	89.69	7342.40	-1395.95	4254.15	0.00	0.000	4245.54	Begin 2.00°/100' Turn
11255.26	88.30	89.67	7342.42	-1395.95	4254.86	2.00	-89.412	4246.26	Begin 2.00°/100' Turn
13915.45	88.30	89.67	7421.36	-1380.74	6913.83	0.00	0.000	6905.27	Hold 88.30° Inc, 89.67° Azm
13942.89	88.30	89.67	7422.17	-1380.58	6941.27	0.00	0.000	6932.70	Hold 88.30° Inc, 89.67° Azm
14010.21	88.30	89.67	7424.17	-1380.20	7008.56	0.00	0.000	7000.00	Begin 2.00°/100' Build
14020.25	88.50	89.67	7424.24	-1380.14	7018.59	2.00	-1.100	7010.02	Hold 88.50° Inc, 89.67° Azm
20012.27	88.50	89.67	7581.29	-1345.84	13008.46	0.00	0.000	13000.00	Begin 2.00°/100' Build
20062.70	89.51	89.68	7582.16	-1345.55	13018.88	2.00	3.357	13050.42	Hold 89.51° Inc, 89.68° Azm
23145.26	89.51	89.68	7608.59	-1328.24	16154.28	0.00	0.000	16132.86	PBHL

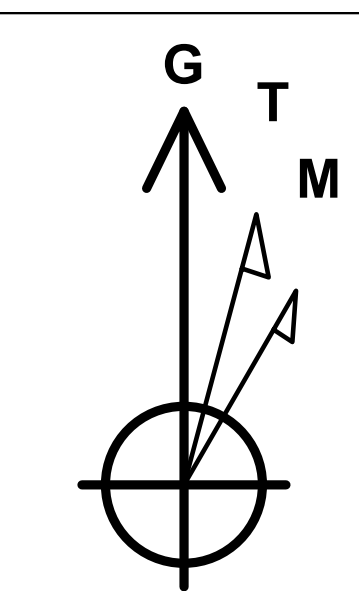
DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
1000' VS v2_High Life 153H	7253.95	-1413.71	1008.65	415647.02	529127.80	32° 8' 33.670 N	104° 22' 22.016 W
1000' VS v3_High Life 153H	7253.95	-1413.71	1008.65	415647.02	529127.80	32° 8' 33.670 N	104° 22' 22.016 W
13000' VS v3_High Life 153H	7581.29	-1345.84	13008.46	415714.89	541127.61	32° 8' 34.364 N	104° 20' 24.441 W
2500' VS v3_High Life 153H	7290.61	-1405.50	2508.63	416555.23	530627.78	32° 8' 33.757 N	104° 22' 4.569 W
7000' VS v3_High Life 153H	7424.17	-1380.20	7008.56	416580.53	535127.71	32° 8' 34.018 N	104° 21' 12.229 W
BP11 v3_High Life 153H	7342.40	-1395.95	4254.15	416564.78	532373.29	32° 8' 33.856 N	104° 21' 44.266 W
BP22 v3_High Life 153H	7421.36	-1380.74	6913.83	415679.99	535032.98	32° 8' 34.013 N	104° 21' 13.330 W
BP33 v3_High Life 153H	7526.30	-1357.86	10908.55	415702.87	530927.69	32° 8' 34.244 N	104° 20' 26.866 W
BPBL v3_High Life 153H	7608.59	-1328.24	16141.28	415732.49	544260.43	32° 8' 34.537 N	104° 19' 26.002 W
VP v2_High Life 153H	5700.00	-1418.05	214.77	415642.67	528333.92	32° 8' 33.624 N	104° 22' 31.250 W

SURVEY PROGRAM

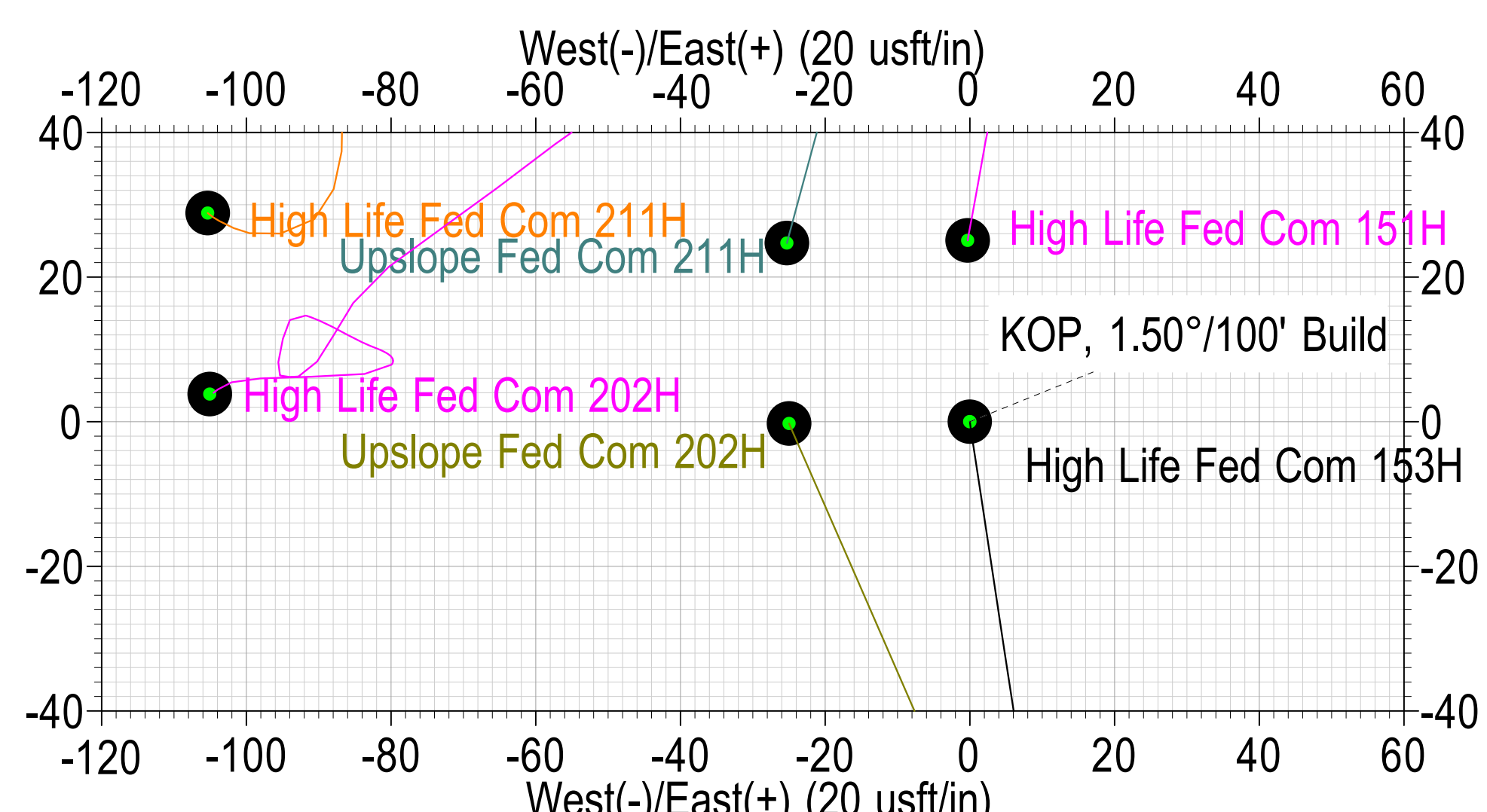
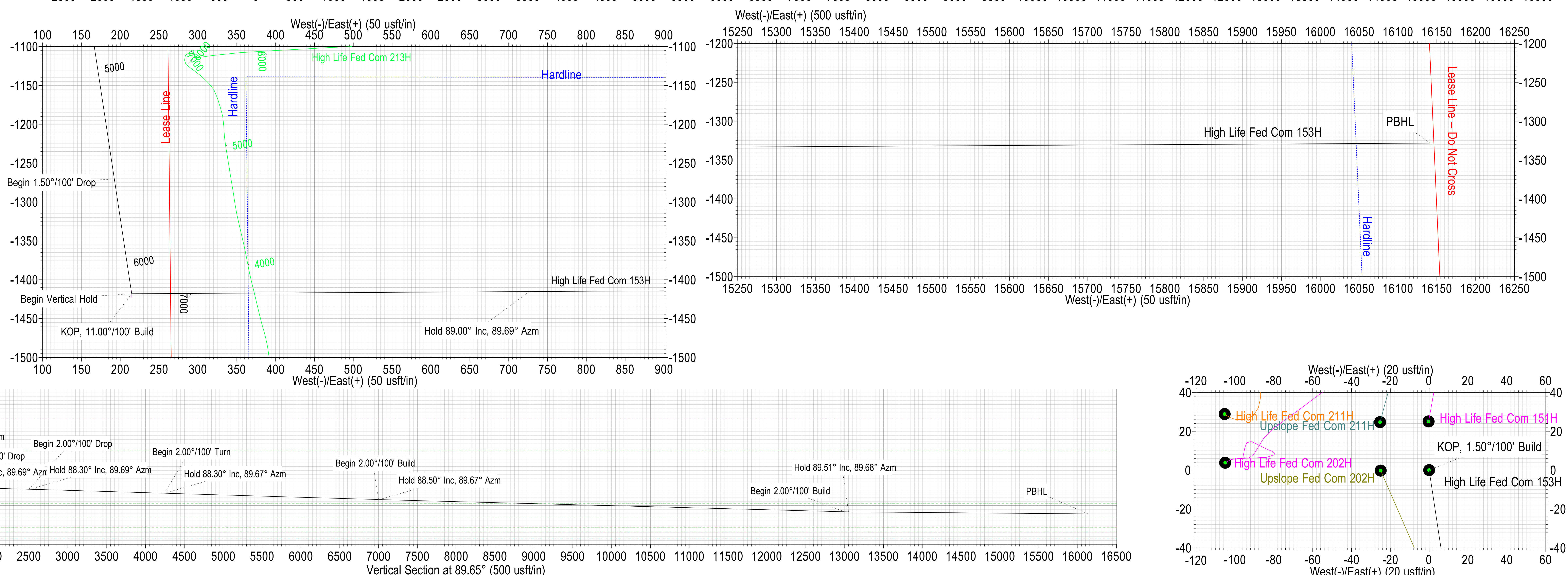
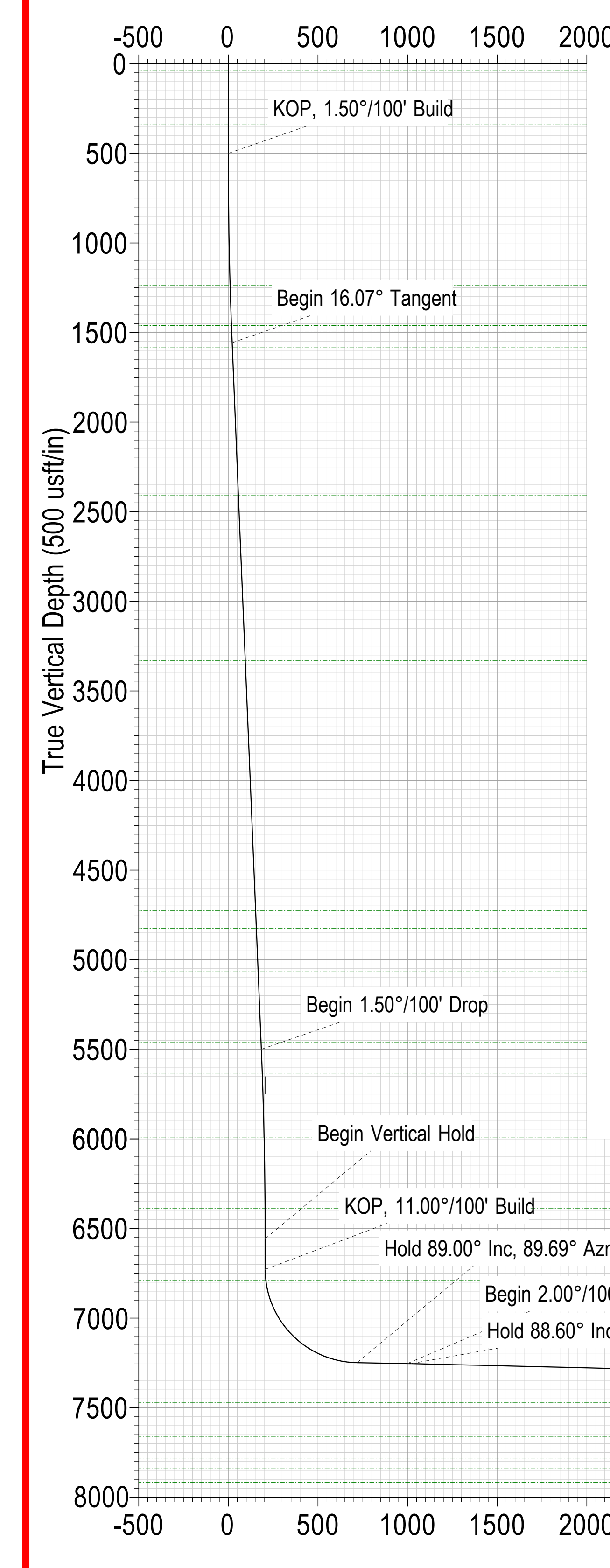
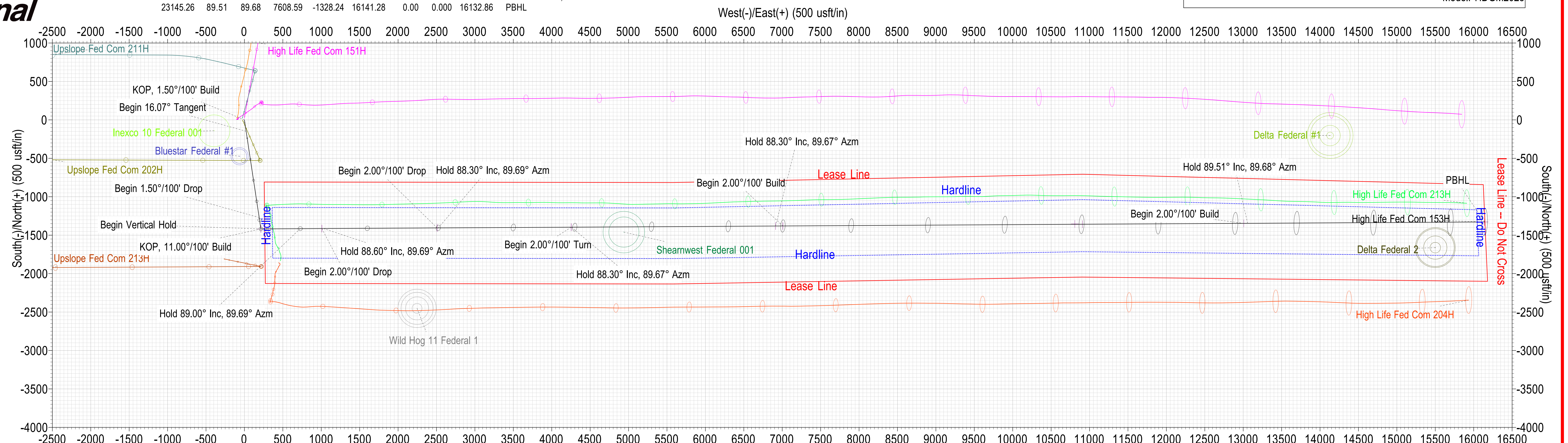
Depth From	Depth To	Survey/Plan	Tool
0.00	23145.26	Design #3 (Wellbore #1)	MWD+IFR1+SAG+FDIR

To convert a Magnetic Direction to a Grid Direction, Add 6.889°
 To convert a Magnetic Direction to a True Direction, Add 6.867° East
 To convert a True Direction to a Grid Direction, Add 0.023°



Azimuths to Grid North
True North: 0.02°
Magnetic North: 6.89°

Magnetic Field
Strength: 47130.8nT
Dip Angle: 59.57°
Date: 2/11/2025
Model: HDGM2025





Tap Rock Operating

Eddy County, New Mexico (NAD 83)

High Life Fed Com(151,153,231) Upslope(202, 211)

High Life Fed Com 153H

Wellbore #1

Plan: Design #3

Standard Planning Report

20 May, 2025





Planning Report



Database:	TRG_EDMConroe	Local Co-ordinate Reference:	Well High Life Fed Com 153H
Company:	Tap Rock Operating	TVD Reference:	Well @ 3538.00usft (H&P 466)
Project:	Eddy County, New Mexico (NAD 83)	MD Reference:	Well @ 3538.00usft (H&P 466)
Site:	High Life Fed Com(151,153,231) Upslope(202, 211)	North Reference:	Grid
Well:	High Life Fed Com 153H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #3		

Project	Eddy County, New Mexico (NAD 83)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	High Life Fed Com(151,153,231) Upslope(202, 211)		
Site Position:		Northing:	417,064.55 usft
From:	Map	Easting:	528,094.11 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 8' 47.694 N
		Longitude:	104° 22' 34.046 W

Well	High Life Fed Com 153H					
Well Position	+N/-S	0.00 usft	Northing:	417,060.73 usft	Latitude:	32° 8' 47.657 N
	+E/-W	0.00 usft	Easting:	528,119.15 usft	Longitude:	104° 22' 33.754 W
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,512.00 usft
Grid Convergence:	-0.023 °					

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM2025	2/11/2025	6.867	59.567	47,130.80

Design	Design #3			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	89.65

Plan Survey Tool Program	Date	5/20/2025			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.00	23,145.26	Design #3 (Wellbore #1)	MWD+IFR1+SAG+FDIR	
				OWSG MWD + IFR1 + Sag	



Planning Report



Database:	TRG_EDMConroe	Local Co-ordinate Reference:	Well High Life Fed Com 153H
Company:	Tap Rock Operating	TVD Reference:	Well @ 3538.00usft (H&P 466)
Project:	Eddy County, New Mexico (NAD 83)	MD Reference:	Well @ 3538.00usft (H&P 466)
Site:	High Life Fed Com(151,153,231) Upslope(202, 211)	North Reference:	Grid
Well:	High Life Fed Com 153H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #3		

Plan Sections

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.000	
1,571.30	16.07	171.39	1,557.31	-147.57	22.35	1.50	1.50	0.00	171.388	
5,674.31	16.07	171.39	5,500.00	-1,270.49	192.42	0.00	0.00	0.00	0.000	
6,745.61	0.00	0.00	6,557.31	-1,418.05	214.77	1.50	-1.50	0.00	180.000	
6,916.54	0.00	0.00	6,728.24	-1,418.05	214.77	0.00	0.00	0.00	0.000	
7,725.63	89.00	89.69	7,249.03	-1,415.25	726.54	11.00	11.00	0.00	89.686	
8,007.78	89.00	89.69	7,253.96	-1,413.71	1,008.65	0.00	0.00	0.00	0.000	1000' VS v3_High L
8,027.92	88.60	89.69	7,254.38	-1,413.60	1,028.78	2.00	-2.00	0.00	-179.985	
9,508.23	88.60	89.69	7,290.61	-1,405.50	2,508.63	0.00	0.00	0.00	0.000	2500' VS v3_High L
9,523.13	88.30	89.69	7,291.02	-1,405.42	2,523.52	2.00	-2.00	0.00	179.958	
11,254.54	88.30	89.69	7,342.40	-1,395.95	4,254.15	0.00	0.00	0.00	0.000	BPP1 v3_High Life
11,255.26	88.30	89.67	7,342.42	-1,395.95	4,254.86	2.00	0.02	-2.00	-89.412	
13,915.45	88.30	89.67	7,421.36	-1,380.74	6,913.83	0.00	0.00	0.00	0.000	BPP2 v3_High Life
13,942.89	88.30	89.67	7,422.17	-1,380.58	6,941.27	0.00	0.00	0.00	0.000	
14,010.21	88.30	89.67	7,424.17	-1,380.20	7,008.56	0.00	0.00	0.00	0.000	7000' VS v3_High L
14,020.25	88.50	89.67	7,424.45	-1,380.14	7,018.59	2.00	2.00	0.00	-0.100	
20,012.27	88.50	89.67	7,581.29	-1,345.84	13,008.46	0.00	0.00	0.00	0.000	13000' VS v3_High
20,062.70	89.51	89.68	7,582.16	-1,345.55	13,058.88	2.00	2.00	0.01	0.357	
23,145.26	89.51	89.68	7,608.59	-1,328.24	16,141.28	0.00	0.00	0.00	0.000	PBHL v3_High Life



Planning Report



Database:	TRG_EDMConroe	Local Co-ordinate Reference:	Well High Life Fed Com 153H
Company:	Tap Rock Operating	TVD Reference:	Well @ 3538.00usft (H&P 466)
Project:	Eddy County, New Mexico (NAD 83)	MD Reference:	Well @ 3538.00usft (H&P 466)
Site:	High Life Fed Com(151,153,231) Upslope(202, 211)	North Reference:	Grid
Well:	High Life Fed Com 153H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #3		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
37.00	0.00	0.00	37.00	0.00	0.00	0.00	0.00	0.00	0.00
Rustler									
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
337.00	0.00	0.00	337.00	0.00	0.00	0.00	0.00	0.00	0.00
Top Salt									
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
KOP, 1.50°/100' Build									
600.00	1.50	171.39	599.99	-1.29	0.20	0.19	1.50	1.50	0.00
700.00	3.00	171.39	699.91	-5.18	0.78	0.75	1.50	1.50	0.00
800.00	4.50	171.39	799.69	-11.64	1.76	1.69	1.50	1.50	0.00
900.00	6.00	171.39	899.27	-20.69	3.13	3.01	1.50	1.50	0.00
1,000.00	7.50	171.39	998.57	-32.31	4.89	4.70	1.50	1.50	0.00
1,100.00	9.00	171.39	1,097.54	-46.50	7.04	6.76	1.50	1.50	0.00
1,200.00	10.50	171.39	1,196.09	-63.24	9.58	9.19	1.50	1.50	0.00
1,240.63	11.11	171.39	1,236.00	-70.77	10.72	10.29	1.50	1.50	0.00
Base Salt									
1,300.00	12.00	171.39	1,294.16	-82.53	12.50	12.00	1.50	1.50	0.00
1,400.00	13.50	171.39	1,391.70	-104.35	15.80	15.17	1.50	1.50	0.00
1,472.47	14.59	171.39	1,462.00	-121.74	18.44	17.69	1.50	1.50	0.00
Delaware Mountain Gp									
1,473.50	14.60	171.39	1,463.00	-121.99	18.48	17.73	1.50	1.50	0.00
Lamar									
1,500.00	15.00	171.39	1,488.62	-128.69	19.49	18.70	1.50	1.50	0.00
1,503.50	15.05	171.39	1,492.00	-129.58	19.63	18.83	1.50	1.50	0.00
Bell Canyon									
1,571.30	16.07	171.39	1,557.31	-147.57	22.35	21.45	1.50	1.50	0.00
Begin 16.07° Tangent									
1,600.00	16.07	171.39	1,584.89	-155.42	23.54	22.59	0.00	0.00	0.00
1,600.12	16.07	171.39	1,585.00	-155.45	23.54	22.59	0.00	0.00	0.00
Ramsey Sand									
1,700.00	16.07	171.39	1,680.98	-182.79	27.68	26.57	0.00	0.00	0.00
1,800.00	16.07	171.39	1,777.07	-210.16	31.83	30.55	0.00	0.00	0.00
1,900.00	16.07	171.39	1,873.17	-237.53	35.97	34.52	0.00	0.00	0.00
2,000.00	16.07	171.39	1,969.26	-264.89	40.12	38.50	0.00	0.00	0.00
2,100.00	16.07	171.39	2,065.35	-292.26	44.26	42.48	0.00	0.00	0.00
2,200.00	16.07	171.39	2,161.44	-319.63	48.41	46.46	0.00	0.00	0.00
2,300.00	16.07	171.39	2,257.54	-347.00	52.55	50.43	0.00	0.00	0.00
2,400.00	16.07	171.39	2,353.63	-374.37	56.70	54.41	0.00	0.00	0.00
2,458.66	16.07	171.39	2,410.00	-390.42	59.13	56.75	0.00	0.00	0.00
Cherry Canyon									
2,500.00	16.07	171.39	2,449.72	-401.74	60.84	58.39	0.00	0.00	0.00
2,600.00	16.07	171.39	2,545.82	-429.10	64.99	62.37	0.00	0.00	0.00
2,700.00	16.07	171.39	2,641.91	-456.47	69.14	66.35	0.00	0.00	0.00
2,800.00	16.07	171.39	2,738.00	-483.84	73.28	70.32	0.00	0.00	0.00
2,900.00	16.07	171.39	2,834.09	-511.21	77.43	74.30	0.00	0.00	0.00
3,000.00	16.07	171.39	2,930.19	-538.58	81.57	78.28	0.00	0.00	0.00
3,100.00	16.07	171.39	3,026.28	-565.94	85.72	82.26	0.00	0.00	0.00
3,200.00	16.07	171.39	3,122.37	-593.31	89.86	86.23	0.00	0.00	0.00



Planning Report



Database:	TRG_EDMConroe	Local Co-ordinate Reference:	Well High Life Fed Com 153H
Company:	Tap Rock Operating	TVD Reference:	Well @ 3538.00usft (H&P 466)
Project:	Eddy County, New Mexico (NAD 83)	MD Reference:	Well @ 3538.00usft (H&P 466)
Site:	High Life Fed Com(151,153,231) Upslope(202, 211)	North Reference:	Grid
Well:	High Life Fed Com 153H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #3		

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)
3,300.00	16.07	171.39	3,218.46	-620.68	94.01	90.21	0.00	0.00	0.00
3,400.00	16.07	171.39	3,314.56	-648.05	98.15	94.19	0.00	0.00	0.00
3,416.07	16.07	171.39	3,330.00	-652.45	98.82	94.83	0.00	0.00	0.00
Brushy Canyon									
3,500.00	16.07	171.39	3,410.65	-675.42	102.30	98.17	0.00	0.00	0.00
3,600.00	16.07	171.39	3,506.74	-702.79	106.44	102.15	0.00	0.00	0.00
3,700.00	16.07	171.39	3,602.83	-730.15	110.59	106.12	0.00	0.00	0.00
3,800.00	16.07	171.39	3,698.93	-757.52	114.73	110.10	0.00	0.00	0.00
3,900.00	16.07	171.39	3,795.02	-784.89	118.88	114.08	0.00	0.00	0.00
4,000.00	16.07	171.39	3,891.11	-812.26	123.02	118.06	0.00	0.00	0.00
4,100.00	16.07	171.39	3,987.21	-839.63	127.17	122.03	0.00	0.00	0.00
4,200.00	16.07	171.39	4,083.30	-867.00	131.31	126.01	0.00	0.00	0.00
4,300.00	16.07	171.39	4,179.39	-894.36	135.46	129.99	0.00	0.00	0.00
4,400.00	16.07	171.39	4,275.48	-921.73	139.60	133.97	0.00	0.00	0.00
4,500.00	16.07	171.39	4,371.58	-949.10	143.75	137.95	0.00	0.00	0.00
4,600.00	16.07	171.39	4,467.67	-976.47	147.89	141.92	0.00	0.00	0.00
4,700.00	16.07	171.39	4,563.76	-1,003.84	152.04	145.90	0.00	0.00	0.00
4,800.00	16.07	171.39	4,659.85	-1,031.20	156.18	149.88	0.00	0.00	0.00
4,868.84	16.07	171.39	4,726.00	-1,050.04	159.03	152.62	0.00	0.00	0.00
Bone Spring Lime									
4,900.00	16.07	171.39	4,755.95	-1,058.57	160.33	153.86	0.00	0.00	0.00
4,972.90	16.07	171.39	4,826.00	-1,078.52	163.35	156.76	0.00	0.00	0.00
Upper Avalon									
5,000.00	16.07	171.39	4,852.04	-1,085.94	164.47	157.83	0.00	0.00	0.00
5,100.00	16.07	171.39	4,948.13	-1,113.31	168.62	161.81	0.00	0.00	0.00
5,200.00	16.07	171.39	5,044.22	-1,140.68	172.76	165.79	0.00	0.00	0.00
5,223.70	16.07	171.39	5,067.00	-1,147.16	173.74	166.73	0.00	0.00	0.00
Middle Avalon									
5,300.00	16.07	171.39	5,140.32	-1,168.05	176.91	169.77	0.00	0.00	0.00
5,400.00	16.07	171.39	5,236.41	-1,195.41	181.05	173.75	0.00	0.00	0.00
5,500.00	16.07	171.39	5,332.50	-1,222.78	185.20	177.72	0.00	0.00	0.00
5,600.00	16.07	171.39	5,428.60	-1,250.15	189.34	181.70	0.00	0.00	0.00
5,634.76	16.07	171.39	5,462.00	-1,259.66	190.78	183.08	0.00	0.00	0.00
Lower Avalon									
5,674.31	16.07	171.39	5,500.00	-1,270.49	192.42	184.66	0.00	0.00	0.00
Begin 1.50°/100' Drop									
5,700.00	15.68	171.39	5,524.71	-1,277.44	193.47	185.67	1.50	-1.50	0.00
5,800.00	14.18	171.39	5,621.33	-1,302.92	197.33	189.37	1.50	-1.50	0.00
5,812.03	14.00	171.39	5,633.00	-1,305.81	197.77	189.79	1.50	-1.50	0.00
1st Bone Spring Sand									
5,900.00	12.68	171.39	5,718.59	-1,325.89	200.81	192.71	1.50	-1.50	0.00
6,000.00	11.18	171.39	5,816.43	-1,346.33	203.91	195.68	1.50	-1.50	0.00
6,100.00	9.68	171.39	5,914.77	-1,364.24	206.62	198.28	1.50	-1.50	0.00
6,176.19	8.54	171.39	5,990.00	-1,376.17	208.43	200.02	1.50	-1.50	0.00
2nd Bone Spring Carb									
6,200.00	8.18	171.39	6,013.56	-1,379.59	208.95	200.52	1.50	-1.50	0.00
6,300.00	6.68	171.39	6,112.71	-1,392.38	210.88	202.37	1.50	-1.50	0.00
6,400.00	5.18	171.39	6,212.17	-1,402.61	212.43	203.86	1.50	-1.50	0.00
6,500.00	3.68	171.39	6,311.87	-1,410.25	213.59	204.97	1.50	-1.50	0.00
6,577.24	2.53	171.39	6,389.00	-1,414.39	214.22	205.57	1.50	-1.50	0.00
2nd Bone Spring Sand									
6,600.00	2.18	171.39	6,411.74	-1,415.31	214.36	205.71	1.50	-1.50	0.00



Planning Report



Database:	TRG_EDMConroe	Local Co-ordinate Reference:	Well High Life Fed Com 153H
Company:	Tap Rock Operating	TVD Reference:	Well @ 3538.00usft (H&P 466)
Project:	Eddy County, New Mexico (NAD 83)	MD Reference:	Well @ 3538.00usft (H&P 466)
Site:	High Life Fed Com(151,153,231) Upslope(202, 211)	North Reference:	Grid
Well:	High Life Fed Com 153H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #3		

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)
6,700.00	0.68	171.39	6,511.70	-1,417.78	214.73	206.07	1.50	-1.50	0.00
6,745.61	0.00	0.00	6,557.31	-1,418.05	214.77	206.11	1.50	-1.50	-375.78
Begin Vertical Hold									
6,800.00	0.00	0.00	6,611.70	-1,418.05	214.77	206.11	0.00	0.00	0.00
6,900.00	0.00	0.00	6,711.70	-1,418.05	214.77	206.11	0.00	0.00	0.00
6,916.54	0.00	0.00	6,728.24	-1,418.05	214.77	206.11	0.00	0.00	0.00
KOP, 11.00°/100' Build									
6,950.00	3.68	89.69	6,761.68	-1,418.05	215.85	207.18	11.00	11.00	0.00
6,976.43	6.59	89.69	6,788.00	-1,418.04	218.21	209.55	11.00	11.00	0.00
3rd Bone Spring Carb									
7,000.00	9.18	89.69	6,811.35	-1,418.02	221.44	212.78	11.00	11.00	0.00
7,050.00	14.68	89.69	6,860.25	-1,417.96	231.78	223.11	11.00	11.00	0.00
7,100.00	20.18	89.69	6,907.93	-1,417.88	246.75	238.08	11.00	11.00	0.00
7,150.00	25.68	89.69	6,953.96	-1,417.77	266.22	257.56	11.00	11.00	0.00
7,200.00	31.18	89.69	6,997.92	-1,417.64	290.02	281.35	11.00	11.00	0.00
7,250.00	36.68	89.69	7,039.39	-1,417.49	317.92	309.25	11.00	11.00	0.00
7,300.00	42.18	89.69	7,077.99	-1,417.32	349.66	341.00	11.00	11.00	0.00
7,350.00	47.68	89.69	7,113.37	-1,417.12	384.96	376.29	11.00	11.00	0.00
7,400.00	53.18	89.69	7,145.21	-1,416.91	423.49	414.82	11.00	11.00	0.00
7,450.00	58.68	89.69	7,173.21	-1,416.69	464.89	456.23	11.00	11.00	0.00
7,500.00	64.18	89.69	7,197.11	-1,416.45	508.78	500.12	11.00	11.00	0.00
7,550.00	69.68	89.69	7,216.70	-1,416.19	554.77	546.10	11.00	11.00	0.00
7,600.00	75.18	89.69	7,231.79	-1,415.93	602.41	593.75	11.00	11.00	0.00
7,650.00	80.68	89.69	7,242.24	-1,415.67	651.29	642.63	11.00	11.00	0.00
7,700.00	86.18	89.69	7,247.95	-1,415.39	700.94	692.28	11.00	11.00	0.00
7,725.63	89.00	89.69	7,249.03	-1,415.25	726.54	717.89	11.00	11.00	0.00
Hold 89.00° Inc, 89.69° Azm									
7,800.00	89.00	89.69	7,250.33	-1,414.85	800.90	792.25	0.00	0.00	0.00
7,900.00	89.00	89.69	7,252.07	-1,414.30	900.89	892.23	0.00	0.00	0.00
8,007.78	89.00	89.69	7,253.96	-1,413.71	1,008.65	1,000.00	0.00	0.00	0.00
Begin 2.00°/100' Drop									
8,027.92	88.60	89.69	7,254.38	-1,413.60	1,028.78	1,020.13	2.00	-2.00	0.00
Hold 88.60° Inc, 89.69° Azm									
8,100.00	88.60	89.69	7,256.14	-1,413.21	1,100.84	1,092.19	0.00	0.00	0.00
8,200.00	88.60	89.69	7,258.59	-1,412.66	1,200.81	1,192.16	0.00	0.00	0.00
8,300.00	88.60	89.69	7,261.04	-1,412.11	1,300.78	1,292.13	0.00	0.00	0.00
8,400.00	88.60	89.69	7,263.49	-1,411.56	1,400.75	1,392.10	0.00	0.00	0.00
8,500.00	88.60	89.69	7,265.93	-1,411.02	1,500.72	1,492.07	0.00	0.00	0.00
8,600.00	88.60	89.69	7,268.38	-1,410.47	1,600.68	1,592.04	0.00	0.00	0.00
8,700.00	88.60	89.69	7,270.83	-1,409.92	1,700.65	1,692.01	0.00	0.00	0.00
8,800.00	88.60	89.69	7,273.28	-1,409.38	1,800.62	1,791.98	0.00	0.00	0.00
8,900.00	88.60	89.69	7,275.73	-1,408.83	1,900.59	1,891.95	0.00	0.00	0.00
9,000.00	88.60	89.69	7,278.17	-1,408.28	2,000.56	1,991.92	0.00	0.00	0.00
9,100.00	88.60	89.69	7,280.62	-1,407.73	2,100.53	2,091.89	0.00	0.00	0.00
9,200.00	88.60	89.69	7,283.07	-1,407.19	2,200.50	2,191.86	0.00	0.00	0.00
9,300.00	88.60	89.69	7,285.52	-1,406.64	2,300.46	2,291.83	0.00	0.00	0.00
9,400.00	88.60	89.69	7,287.96	-1,406.09	2,400.43	2,391.80	0.00	0.00	0.00
9,508.23	88.60	89.69	7,290.61	-1,405.50	2,508.63	2,500.00	0.00	0.00	0.00
Begin 2.00°/100' Drop									
9,523.13	88.30	89.69	7,291.02	-1,405.42	2,523.52	2,514.89	2.00	-2.00	0.00
Hold 88.30° Inc, 89.69° Azm									
9,600.00	88.30	89.69	7,293.30	-1,405.00	2,600.36	2,591.73	0.00	0.00	0.00



Planning Report



Database:	TRG_EDMConroe	Local Co-ordinate Reference:	Well High Life Fed Com 153H
Company:	Tap Rock Operating	TVD Reference:	Well @ 3538.00usft (H&P 466)
Project:	Eddy County, New Mexico (NAD 83)	MD Reference:	Well @ 3538.00usft (H&P 466)
Site:	High Life Fed Com(151,153,231) Upslope(202, 211)	North Reference:	Grid
Well:	High Life Fed Com 153H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #3		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
9,700.00	88.30	89.69	7,296.27	-1,404.45	2,700.31	2,691.68	0.00	0.00	0.00
9,800.00	88.30	89.69	7,299.23	-1,403.90	2,800.27	2,791.64	0.00	0.00	0.00
9,900.00	88.30	89.69	7,302.20	-1,403.36	2,900.22	2,891.59	0.00	0.00	0.00
10,000.00	88.30	89.69	7,305.17	-1,402.81	3,000.18	2,991.55	0.00	0.00	0.00
10,100.00	88.30	89.69	7,308.14	-1,402.26	3,100.13	3,091.51	0.00	0.00	0.00
10,200.00	88.30	89.69	7,311.10	-1,401.72	3,200.08	3,191.46	0.00	0.00	0.00
10,300.00	88.30	89.69	7,314.07	-1,401.17	3,300.04	3,291.42	0.00	0.00	0.00
10,400.00	88.30	89.69	7,317.04	-1,400.62	3,399.99	3,391.37	0.00	0.00	0.00
10,500.00	88.30	89.69	7,320.01	-1,400.08	3,499.95	3,491.33	0.00	0.00	0.00
10,600.00	88.30	89.69	7,322.98	-1,399.53	3,599.90	3,591.29	0.00	0.00	0.00
10,700.00	88.30	89.69	7,325.94	-1,398.98	3,699.86	3,691.24	0.00	0.00	0.00
10,800.00	88.30	89.69	7,328.91	-1,398.44	3,799.81	3,791.20	0.00	0.00	0.00
10,900.00	88.30	89.69	7,331.88	-1,397.89	3,899.77	3,891.15	0.00	0.00	0.00
11,000.00	88.30	89.69	7,334.85	-1,397.34	3,999.72	3,991.11	0.00	0.00	0.00
11,100.00	88.30	89.69	7,337.81	-1,396.80	4,099.67	4,091.07	0.00	0.00	0.00
11,200.00	88.30	89.69	7,340.78	-1,396.25	4,199.63	4,191.02	0.00	0.00	0.00
11,254.54	88.30	89.69	7,342.40	-1,395.95	4,254.15	4,245.54	0.00	0.00	0.00
Begin 2.00°/100' Turn									
11,255.26	88.30	89.67	7,342.42	-1,395.95	4,254.86	4,246.26	2.00	0.02	-2.00
Hold 88.30° Inc, 89.67° Azm									
11,300.00	88.30	89.67	7,343.75	-1,395.69	4,299.58	4,290.98	0.00	0.00	0.00
11,400.00	88.30	89.67	7,346.72	-1,395.12	4,399.54	4,390.93	0.00	0.00	0.00
11,500.00	88.30	89.67	7,349.68	-1,394.55	4,499.49	4,490.89	0.00	0.00	0.00
11,600.00	88.30	89.67	7,352.65	-1,393.98	4,599.45	4,590.85	0.00	0.00	0.00
11,700.00	88.30	89.67	7,355.62	-1,393.41	4,699.40	4,690.80	0.00	0.00	0.00
11,800.00	88.30	89.67	7,358.59	-1,392.83	4,799.35	4,790.76	0.00	0.00	0.00
11,900.00	88.30	89.67	7,361.55	-1,392.26	4,899.31	4,890.71	0.00	0.00	0.00
12,000.00	88.30	89.67	7,364.52	-1,391.69	4,999.26	4,990.67	0.00	0.00	0.00
12,100.00	88.30	89.67	7,367.49	-1,391.12	5,099.22	5,090.62	0.00	0.00	0.00
12,200.00	88.30	89.67	7,370.46	-1,390.55	5,199.17	5,190.58	0.00	0.00	0.00
12,300.00	88.30	89.67	7,373.42	-1,389.97	5,299.13	5,290.54	0.00	0.00	0.00
12,400.00	88.30	89.67	7,376.39	-1,389.40	5,399.08	5,390.49	0.00	0.00	0.00
12,500.00	88.30	89.67	7,379.36	-1,388.83	5,499.04	5,490.45	0.00	0.00	0.00
12,600.00	88.30	89.67	7,382.33	-1,388.26	5,598.99	5,590.40	0.00	0.00	0.00
12,700.00	88.30	89.67	7,385.29	-1,387.69	5,698.94	5,690.36	0.00	0.00	0.00
12,800.00	88.30	89.67	7,388.26	-1,387.12	5,798.90	5,790.32	0.00	0.00	0.00
12,900.00	88.30	89.67	7,391.23	-1,386.54	5,898.85	5,890.27	0.00	0.00	0.00
13,000.00	88.30	89.67	7,394.20	-1,385.97	5,998.81	5,990.23	0.00	0.00	0.00
13,100.00	88.30	89.67	7,397.16	-1,385.40	6,098.76	6,090.18	0.00	0.00	0.00
13,200.00	88.30	89.67	7,400.13	-1,384.83	6,198.72	6,190.14	0.00	0.00	0.00
13,300.00	88.30	89.67	7,403.10	-1,384.26	6,298.67	6,290.10	0.00	0.00	0.00
13,400.00	88.30	89.67	7,406.06	-1,383.69	6,398.62	6,390.05	0.00	0.00	0.00
13,500.00	88.30	89.67	7,409.03	-1,383.11	6,498.58	6,490.01	0.00	0.00	0.00
13,600.00	88.30	89.67	7,412.00	-1,382.54	6,598.53	6,589.96	0.00	0.00	0.00
13,700.00	88.30	89.67	7,414.97	-1,381.97	6,698.49	6,689.92	0.00	0.00	0.00
13,800.00	88.30	89.67	7,417.93	-1,381.40	6,798.44	6,789.88	0.00	0.00	0.00
13,900.00	88.30	89.67	7,420.90	-1,380.83	6,898.40	6,889.83	0.00	0.00	0.00
13,915.45	88.30	89.67	7,421.36	-1,380.74	6,913.84	6,905.28	0.00	0.00	0.00
Hold 88.30° Inc, 89.67° Azm									
13,942.89	88.30	89.67	7,422.17	-1,380.58	6,941.27	6,932.70	0.00	0.00	0.00
Hold 88.30° Inc, 89.67° Azm									
14,000.00	88.30	89.67	7,423.87	-1,380.25	6,998.35	6,989.79	0.00	0.00	0.00



Planning Report



Database:	TRG_EDMConroe	Local Co-ordinate Reference:	Well High Life Fed Com 153H
Company:	Tap Rock Operating	TVD Reference:	Well @ 3538.00usft (H&P 466)
Project:	Eddy County, New Mexico (NAD 83)	MD Reference:	Well @ 3538.00usft (H&P 466)
Site:	High Life Fed Com(151,153,231) Upslope(202, 211)	North Reference:	Grid
Well:	High Life Fed Com 153H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #3		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
14,010.21	88.30	89.67	7,424.17	-1,380.20	7,008.56	6,999.99	0.00	0.00	0.00
Begin 2.00°/100' Build									
14,020.25	88.50	89.67	7,424.45	-1,380.14	7,018.59	7,010.03	2.00	2.00	0.00
Hold 88.50° Inc, 89.67° Azm									
14,100.00	88.50	89.67	7,426.54	-1,379.69	7,098.31	7,089.75	0.00	0.00	0.00
14,200.00	88.50	89.67	7,429.16	-1,379.11	7,198.28	7,189.72	0.00	0.00	0.00
14,300.00	88.50	89.67	7,431.77	-1,378.54	7,298.24	7,289.68	0.00	0.00	0.00
14,400.00	88.50	89.67	7,434.39	-1,377.97	7,398.21	7,389.65	0.00	0.00	0.00
14,500.00	88.50	89.67	7,437.01	-1,377.40	7,498.17	7,489.62	0.00	0.00	0.00
14,600.00	88.50	89.67	7,439.63	-1,376.82	7,598.13	7,589.58	0.00	0.00	0.00
14,700.00	88.50	89.67	7,442.24	-1,376.25	7,698.10	7,689.55	0.00	0.00	0.00
14,800.00	88.50	89.67	7,444.86	-1,375.68	7,798.06	7,789.51	0.00	0.00	0.00
14,900.00	88.50	89.67	7,447.48	-1,375.11	7,898.03	7,889.48	0.00	0.00	0.00
15,000.00	88.50	89.67	7,450.10	-1,374.53	7,997.99	7,989.44	0.00	0.00	0.00
15,100.00	88.50	89.67	7,452.71	-1,373.96	8,097.95	8,089.41	0.00	0.00	0.00
15,200.00	88.50	89.67	7,455.33	-1,373.39	8,197.92	8,189.38	0.00	0.00	0.00
15,300.00	88.50	89.67	7,457.95	-1,372.82	8,297.88	8,289.34	0.00	0.00	0.00
15,400.00	88.50	89.67	7,460.57	-1,372.24	8,397.85	8,389.31	0.00	0.00	0.00
15,500.00	88.50	89.67	7,463.18	-1,371.67	8,497.81	8,489.27	0.00	0.00	0.00
15,600.00	88.50	89.67	7,465.80	-1,371.10	8,597.77	8,589.24	0.00	0.00	0.00
15,700.00	88.50	89.67	7,468.42	-1,370.53	8,697.74	8,689.20	0.00	0.00	0.00
15,800.00	88.50	89.67	7,471.03	-1,369.95	8,797.70	8,789.17	0.00	0.00	0.00
15,836.88	88.50	89.67	7,472.00	-1,369.74	8,834.57	8,826.04	0.00	0.00	0.00
3rd Bone Spring Sand									
15,900.00	88.50	89.67	7,473.65	-1,369.38	8,897.67	8,889.14	0.00	0.00	0.00
16,000.00	88.50	89.67	7,476.27	-1,368.81	8,997.63	8,989.10	0.00	0.00	0.00
16,100.00	88.50	89.67	7,478.89	-1,368.24	9,097.59	9,089.07	0.00	0.00	0.00
16,200.00	88.50	89.67	7,481.50	-1,367.66	9,197.56	9,189.03	0.00	0.00	0.00
16,300.00	88.50	89.67	7,484.12	-1,367.09	9,297.52	9,289.00	0.00	0.00	0.00
16,400.00	88.50	89.67	7,486.74	-1,366.52	9,397.49	9,388.96	0.00	0.00	0.00
16,500.00	88.50	89.67	7,489.36	-1,365.95	9,497.45	9,488.93	0.00	0.00	0.00
16,600.00	88.50	89.67	7,491.97	-1,365.37	9,597.42	9,588.90	0.00	0.00	0.00
16,700.00	88.50	89.67	7,494.59	-1,364.80	9,697.38	9,688.86	0.00	0.00	0.00
16,800.00	88.50	89.67	7,497.21	-1,364.23	9,797.34	9,788.83	0.00	0.00	0.00
16,900.00	88.50	89.67	7,499.83	-1,363.66	9,897.31	9,888.79	0.00	0.00	0.00
17,000.00	88.50	89.67	7,502.44	-1,363.08	9,997.27	9,988.76	0.00	0.00	0.00
17,100.00	88.50	89.67	7,505.06	-1,362.51	10,097.24	10,088.72	0.00	0.00	0.00
17,200.00	88.50	89.67	7,507.68	-1,361.94	10,197.20	10,188.69	0.00	0.00	0.00
17,300.00	88.50	89.67	7,510.30	-1,361.37	10,297.16	10,288.66	0.00	0.00	0.00
17,400.00	88.50	89.67	7,512.91	-1,360.79	10,397.13	10,388.62	0.00	0.00	0.00
17,500.00	88.50	89.67	7,515.53	-1,360.22	10,497.09	10,488.59	0.00	0.00	0.00
17,600.00	88.50	89.67	7,518.15	-1,359.65	10,597.06	10,588.55	0.00	0.00	0.00
17,700.00	88.50	89.67	7,520.77	-1,359.08	10,697.02	10,688.52	0.00	0.00	0.00
17,800.00	88.50	89.67	7,523.38	-1,358.50	10,796.98	10,788.48	0.00	0.00	0.00
17,900.00	88.50	89.67	7,526.00	-1,357.93	10,896.95	10,888.45	0.00	0.00	0.00
18,000.00	88.50	89.67	7,528.62	-1,357.36	10,996.91	10,988.42	0.00	0.00	0.00
18,100.00	88.50	89.67	7,531.24	-1,356.79	11,096.88	11,088.38	0.00	0.00	0.00
18,200.00	88.50	89.67	7,533.85	-1,356.21	11,196.84	11,188.35	0.00	0.00	0.00
18,300.00	88.50	89.67	7,536.47	-1,355.64	11,296.81	11,288.31	0.00	0.00	0.00
18,400.00	88.50	89.67	7,539.09	-1,355.07	11,396.77	11,388.28	0.00	0.00	0.00
18,500.00	88.50	89.67	7,541.70	-1,354.50	11,496.73	11,488.24	0.00	0.00	0.00
18,600.00	88.50	89.67	7,544.32	-1,353.92	11,596.70	11,588.21	0.00	0.00	0.00
18,700.00	88.50	89.67	7,546.94	-1,353.35	11,696.66	11,688.18	0.00	0.00	0.00



Planning Report



Database:	TRG_EDMConroe	Local Co-ordinate Reference:	Well High Life Fed Com 153H
Company:	Tap Rock Operating	TVD Reference:	Well @ 3538.00usft (H&P 466)
Project:	Eddy County, New Mexico (NAD 83)	MD Reference:	Well @ 3538.00usft (H&P 466)
Site:	High Life Fed Com(151,153,231) Upslope(202, 211)	North Reference:	Grid
Well:	High Life Fed Com 153H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #3		

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)
18,800.00	88.50	89.67	7,549.56	-1,352.78	11,796.63	11,788.14	0.00	0.00	0.00
18,900.00	88.50	89.67	7,552.17	-1,352.21	11,896.59	11,888.11	0.00	0.00	0.00
19,000.00	88.50	89.67	7,554.79	-1,351.63	11,996.55	11,988.07	0.00	0.00	0.00
19,100.00	88.50	89.67	7,557.41	-1,351.06	12,096.52	12,088.04	0.00	0.00	0.00
19,200.00	88.50	89.67	7,560.03	-1,350.49	12,196.48	12,188.00	0.00	0.00	0.00
19,300.00	88.50	89.67	7,562.64	-1,349.92	12,296.45	12,287.97	0.00	0.00	0.00
19,400.00	88.50	89.67	7,565.26	-1,349.35	12,396.41	12,387.94	0.00	0.00	0.00
19,500.00	88.50	89.67	7,567.88	-1,348.77	12,496.37	12,487.90	0.00	0.00	0.00
19,600.00	88.50	89.67	7,570.50	-1,348.20	12,596.34	12,587.87	0.00	0.00	0.00
19,700.00	88.50	89.67	7,573.11	-1,347.63	12,696.30	12,687.83	0.00	0.00	0.00
19,800.00	88.50	89.67	7,575.73	-1,347.06	12,796.27	12,787.80	0.00	0.00	0.00
19,900.00	88.50	89.67	7,578.35	-1,346.48	12,896.23	12,887.77	0.00	0.00	0.00
20,000.00	88.50	89.67	7,580.97	-1,345.91	12,996.19	12,987.73	0.00	0.00	0.00
20,012.27	88.50	89.67	7,581.29	-1,345.84	13,008.46	13,000.00	0.00	0.00	0.00
Begin 2.00°/100' Build									
20,062.70	89.51	89.68	7,582.16	-1,345.55	13,058.88	13,050.42	2.00	2.00	0.01
Hold 89.51° Inc, 89.68° Azm									
20,100.00	89.51	89.68	7,582.48	-1,345.34	13,096.18	13,087.72	0.00	0.00	0.00
20,200.00	89.51	89.68	7,583.34	-1,344.78	13,196.17	13,187.71	0.00	0.00	0.00
20,300.00	89.51	89.68	7,584.20	-1,344.22	13,296.17	13,287.71	0.00	0.00	0.00
20,400.00	89.51	89.68	7,585.06	-1,343.66	13,396.16	13,387.71	0.00	0.00	0.00
20,500.00	89.51	89.68	7,585.91	-1,343.10	13,496.16	13,487.70	0.00	0.00	0.00
20,600.00	89.51	89.68	7,586.77	-1,342.54	13,596.15	13,587.70	0.00	0.00	0.00
20,700.00	89.51	89.68	7,587.63	-1,341.97	13,696.15	13,687.69	0.00	0.00	0.00
20,800.00	89.51	89.68	7,588.49	-1,341.41	13,796.14	13,787.69	0.00	0.00	0.00
20,900.00	89.51	89.68	7,589.34	-1,340.85	13,896.14	13,887.69	0.00	0.00	0.00
21,000.00	89.51	89.68	7,590.20	-1,340.29	13,996.13	13,987.68	0.00	0.00	0.00
21,100.00	89.51	89.68	7,591.06	-1,339.73	14,096.13	14,087.68	0.00	0.00	0.00
21,200.00	89.51	89.68	7,591.91	-1,339.17	14,196.12	14,187.68	0.00	0.00	0.00
21,300.00	89.51	89.68	7,592.77	-1,338.60	14,296.12	14,287.67	0.00	0.00	0.00
21,400.00	89.51	89.68	7,593.63	-1,338.04	14,396.11	14,387.67	0.00	0.00	0.00
21,500.00	89.51	89.68	7,594.49	-1,337.48	14,496.11	14,487.67	0.00	0.00	0.00
21,600.00	89.51	89.68	7,595.34	-1,336.92	14,596.10	14,587.66	0.00	0.00	0.00
21,700.00	89.51	89.68	7,596.20	-1,336.36	14,696.10	14,687.66	0.00	0.00	0.00
21,800.00	89.51	89.68	7,597.06	-1,335.80	14,796.09	14,787.65	0.00	0.00	0.00
21,900.00	89.51	89.68	7,597.92	-1,335.23	14,896.08	14,887.65	0.00	0.00	0.00
22,000.00	89.51	89.68	7,598.77	-1,334.67	14,996.08	14,987.65	0.00	0.00	0.00
22,100.00	89.51	89.68	7,599.63	-1,334.11	15,096.07	15,087.64	0.00	0.00	0.00
22,200.00	89.51	89.68	7,600.49	-1,333.55	15,196.07	15,187.64	0.00	0.00	0.00
22,300.00	89.51	89.68	7,601.35	-1,332.99	15,296.06	15,287.64	0.00	0.00	0.00
22,400.00	89.51	89.68	7,602.20	-1,332.43	15,396.06	15,387.63	0.00	0.00	0.00
22,500.00	89.51	89.68	7,603.06	-1,331.86	15,496.05	15,487.63	0.00	0.00	0.00
22,600.00	89.51	89.68	7,603.92	-1,331.30	15,596.05	15,587.62	0.00	0.00	0.00
22,700.00	89.51	89.68	7,604.78	-1,330.74	15,696.04	15,687.62	0.00	0.00	0.00
22,800.00	89.51	89.68	7,605.63	-1,330.18	15,796.04	15,787.62	0.00	0.00	0.00
22,900.00	89.51	89.68	7,606.49	-1,329.62	15,896.03	15,887.61	0.00	0.00	0.00
23,000.00	89.51	89.68	7,607.35	-1,329.06	15,996.03	15,987.61	0.00	0.00	0.00
23,100.00	89.51	89.68	7,608.21	-1,328.49	16,096.02	16,087.61	0.00	0.00	0.00
23,145.26	89.51	89.68	7,608.59	-1,328.24	16,141.28	16,132.86	0.00	0.00	0.00
PBHL									



Planning Report



Database:	TRG_EDMConroe	Local Co-ordinate Reference:	Well High Life Fed Com 153H
Company:	Tap Rock Operating	TVD Reference:	Well @ 3538.00usft (H&P 466)
Project:	Eddy County, New Mexico (NAD 83)	MD Reference:	Well @ 3538.00usft (H&P 466)
Site:	High Life Fed Com(151,153,231) Upslope(202, 211)	North Reference:	Grid
Well:	High Life Fed Com 153H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #3		

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
VP v2_High Life 153H - plan misses target center by 95.03usft at 5901.09usft MD (5719.65 TVD, -1326.12 N, 200.85 E) - Point	0.00	360.00	5,700.00	-1,418.05	214.77	415,642.67	528,333.92	32° 8' 33.624 N	104° 22' 31.250 W
1000' VS v3_High Life - plan hits target center - Point	0.00	0.01	7,253.96	-1,413.71	1,008.65	415,647.02	529,127.80	32° 8' 33.670 N	104° 22' 22.016 W
1000' VS v2_High Life - plan hits target center - Point	0.00	0.01	7,253.96	-1,413.71	1,008.65	415,647.02	529,127.80	32° 8' 33.670 N	104° 22' 22.016 W
2500' VS v3_High Life - plan hits target center - Point	0.00	0.01	7,290.61	-1,405.50	2,508.63	415,655.23	530,627.78	32° 8' 33.756 N	104° 22' 4.569 W
BPP1 v3_High Life 15 - plan hits target center - Point	0.00	0.01	7,342.40	-1,395.95	4,254.15	415,664.78	532,373.30	32° 8' 33.856 N	104° 21' 44.266 W
BPP2 v3_High Life 15 - plan hits target center - Point	0.00	0.01	7,421.36	-1,380.74	6,913.83	415,679.99	535,032.98	32° 8' 34.013 N	104° 21' 13.330 W
7000' VS v3_High Life - plan hits target center - Point	0.00	0.01	7,424.17	-1,380.20	7,008.56	415,680.53	535,127.71	32° 8' 34.018 N	104° 21' 12.229 W
BPP3 v3_High Life 15 - plan hits target center - Point	0.00	0.01	7,526.30	-1,357.86	10,908.55	415,702.86	539,027.70	32° 8' 34.244 N	104° 20' 26.866 W
13000' VS v3_High Life - plan hits target center - Point	0.00	0.01	7,581.29	-1,345.84	13,008.46	415,714.89	541,127.61	32° 8' 34.364 N	104° 20' 2.441 W
PBHL v3_High Life 15 - plan hits target center - Point	0.00	0.01	7,608.59	-1,328.24	16,141.28	415,732.49	544,260.43	32° 8' 34.537 N	104° 19' 26.002 W



Planning Report



Database:	TRG_EDMConroe	Local Co-ordinate Reference:	Well High Life Fed Com 153H
Company:	Tap Rock Operating	TVD Reference:	Well @ 3538.00usft (H&P 466)
Project:	Eddy County, New Mexico (NAD 83)	MD Reference:	Well @ 3538.00usft (H&P 466)
Site:	High Life Fed Com(151,153,231) Upslope(202, 211)	North Reference:	Grid
Well:	High Life Fed Com 153H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #3		

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
37.00	37.00	Rustler			
337.00	337.00	Top Salt			
1,240.63	1,236.00	Base Salt			
1,472.47	1,462.00	Delaware Mountain Gp			
1,473.50	1,463.00	Lamar			
1,503.50	1,492.00	Bell Canyon			
1,600.12	1,585.00	Ramsey Sand			
2,458.66	2,410.00	Cherry Canyon			
3,416.07	3,330.00	Brushy Canyon			
4,868.84	4,726.00	Bone Spring Lime			
4,972.90	4,826.00	Upper Avalon			
5,223.70	5,067.00	Middle Avalon			
5,634.76	5,462.00	Lower Avalon			
5,812.03	5,633.00	1st Bone Spring Sand			
6,176.19	5,990.00	2nd Bone Spring Carb			
6,577.24	6,389.00	2nd Bone Spring Sand			
6,976.43	6,788.00	3rd Bone Spring Carb			
15,836.88	7,472.00	3rd Bone Spring Sand			

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
500.00	500.00	0.00	0.00	KOP, 1.50°/100' Build
1,571.30	1,557.31	-147.57	22.35	Begin 16.07° Tangent
5,674.31	5,500.00	-1,270.49	192.42	Begin 1.50°/100' Drop
6,745.61	6,557.31	-1,418.05	214.77	Begin Vertical Hold
6,916.54	6,728.24	-1,418.05	214.77	KOP, 11.00°/100' Build
7,725.63	7,249.03	-1,415.25	726.54	Hold 89.00° Inc, 89.69° Azm
8,007.78	7,253.96	-1,413.71	1,008.65	Begin 2.00°/100' Drop
8,027.92	7,254.38	-1,413.60	1,028.78	Hold 88.60° Inc, 89.69° Azm
9,508.23	7,290.61	-1,405.50	2,508.63	Begin 2.00°/100' Drop
9,523.13	7,291.02	-1,405.42	2,523.52	Hold 88.30° Inc, 89.69° Azm
11,254.54	7,342.40	-1,395.95	4,254.15	Begin 2.00°/100' Turn
11,255.26	7,342.42	-1,395.95	4,254.86	Hold 88.30° Inc, 89.67° Azm
13,915.45	7,421.36	-1,380.74	6,913.84	Hold 88.30° Inc, 89.67° Azm
13,942.89	7,422.17	-1,380.58	6,941.27	Hold 88.30° Inc, 89.67° Azm
14,010.21	7,424.17	-1,380.20	7,008.56	Begin 2.00°/100' Build
14,020.25	7,424.45	-1,380.14	7,018.59	Hold 88.50° Inc, 89.67° Azm
20,012.27	7,581.29	-1,345.84	13,008.46	Begin 2.00°/100' Build
20,062.70	7,582.16	-1,345.55	13,058.88	Hold 89.51° Inc, 89.68° Azm
23,145.26	7,608.59	-1,328.24	16,141.28	PBHL

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

CONDITIONS

Action 484944

CONDITIONS

Operator: TAP ROCK OPERATING, LLC 1700 Lincoln St Denver, CO 80203	OGRID: 372043
	Action Number: 484944
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
matthew.gomez	Any previous COA's not addressed within the updated COA's still apply.	8/7/2025
matthew.gomez	Surface casing shall be set above the salt, below usable fresh water, and cemented to the surface. If salt is encountered set casing at least 25 ft. above the salt.	8/7/2025