

Well Name: HIGH LIFE FED COM	Well Location: T25S / R25E / SEC 10 / SENE / 32.1466528 / -104.3751221	County or Parish/State: EDDY / NM
Well Number: 151H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM91507	Unit or CA Name:	Unit or CA Number:
US Well Number: 3001554522	Operator: TAP ROCK OPERATING LLC	

Notice of Intent

Sundry ID: 2854028

Type of Submission: Notice of Intent	Type of Action: APD Change
Date Sundry Submitted: 05/21/2025	Time Sundry Submitted: 08:32
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 151H: 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 1809 FNL, 275 FEL Section 10, Township 25S, Range 25E New Surface Hole Location: 1807 FNL, 250 FEL, Section 10, Township 25S, Range 25E Bottom Hole Location: Previously at 392 FNL, 5 FEL Section 12, Township 25S, Range 25E New Bottom Hole Location: 331 FNL, 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_151H_Sundry_Attachment_20250521_20250605150921.pdf
 - LO_HIGH_LIFE_FED_COM_151H_REV6_S_FINAL_20250605150859.pdf

Received by OCD: 7/15/2025 8:56:35 AM

Page 2 of 20

Well Name: HIGH LIFE FED COM	Well Location: T25S / R25E / SEC 10 / SENE / 32.1466528 / -104.3751221	County or Parish/State: EDDY / NM
Well Number: 151H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM91507	Unit or CA Name:	Unit or CA Number:
US Well Number: 3001554522	Operator: TAP ROCK OPERATING LLC	

Conditions of Approval

Additional

Sec_11_25S_25E_NMP_Sundry_2854028_High_Life_Fed_Com_151H_COAs_20250627073538.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 151H

Tap Rock Requests permission to alter the following information on the High Life Fed Com 151H:

Surface Hole Location, Bottom Hole Location, length of lateral, casing tables, cement tables, mud tables, BOP Testing Procedure.

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 1809 FNL, 275 FEL Section 10, Township 25S, Range 25E

New Surface Hole Location: 1807 FNL, 250 FEL, Section 10, Township 25S, Range 25E

Bottom Hole Location: Previously at 392 FNL, 5 FEL Section 12, Township 25S, Range 25E

New Bottom Hole Location: 331 FNL, 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 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	1,518	8 5/8	API	No	0	1,518	0	1,513	J-55	32	BUTT	1.13	1.15	1.6
Production	7 7/8	1,518	23,016	5 1/2	NON API	No	0	23,016	0	7,624	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	140	2.7	377	11.0	75%	C	Bentonite + 1% CaCL2 + 8% NaCl + LCM
	Tail	1018	124	1.33	165	14.8	30%	C	5% NaCl + LCM
Production	Lead	1318	343	3.35	1150	10.5	20%	C	Fluid Loss + Dispersant + Retarder + LCM
	Tail	6873	2062	1.63	3361	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	1,518	Salt-saturated Mud	10.00	27-30	NC
Production	1,518	23,016	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 30-015-54522	Pool Code 97494	Pool Name COTTONWOOD DRAW; BONE SPRING (O)
Property Code 335064	Property Name HIGH LIFE FED COM	Well Number 151H
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 1807' N	Feet from the E/W 250' E	Latitude N 32.1466402	Longitude W 104.3760439	County EDDY
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Bottom Hole Location

UL or lot no. A	Section 7	Township 25-S	Range 26-E	Lot Idn -	Feet from the N/S 331' N	Feet from the E/W 5' E	Latitude N 32.1502724	Longitude W 104.3242817	County EDDY
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Dedicated Acres 479.93	Infill or Defining Well Defining	Defining Well API 30-015-54522	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. D	Section 11	Township 25-S	Range 25-E	Lot Idn -	Feet from the N/S 392' N	Feet from the E/W 50' W	Latitude N 32.1505270	Longitude W 104.3751221	County EDDY
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First Take Point (FTP)

UL or lot no. D	Section 11	Township 25-S	Range 25-E	Lot Idn -	Feet from the N/S 390' N	Feet from the E/W 100' W	Latitude N 32.1505284	Longitude W 104.3749606	County EDDY
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Last Take Point (LTP)

UL or lot no. A	Section 7	Township 25-S	Range 26-E	Lot Idn -	Feet from the N/S 330' N	Feet from the E/W 100' E	Latitude N 32.1502859	Longitude W 104.3245897	County EDDY
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Unitized Area or Area of Uniform Interest ----	Spacing Unity Type ☒ Horizontal ☐ Vertical	Ground Floor Elevation 1
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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> <i>William Ramsey</i> 5/2/2025		SURVEYORS CERTIFICATION <i>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.</i>  5/2/2025 5:10:13 PM	
Signature Bill Ramsey		Signature and Seal of Professional Surveyor	
Print Name bramsey@taprk.com		Certificate Number	Date of Survey 04/17/2025
E-mail Address			

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 151H

SURFACE LOCATION (SHL)

NEW MEXICO EAST
NAD 1983
X=528119 Y=417086
LAT.: N 32.1466402
LONG.: W 104.3760439

NAD 1927

X=486937 Y=417029
LAT.: N 32.1465226
LONG.: W 104.3755396
1807' FNL 250' FEL

KICK OFF POINT (KOP)

NEW MEXICO EAST
NAD 1983
X=528405 Y=418500
LAT.: N 32.1505270
LONG.: W 104.3751221

NAD 1927

X=487223 Y=418443
LAT.: N 32.1504094
LONG.: W 104.3746180
392' FNL 50' FWL

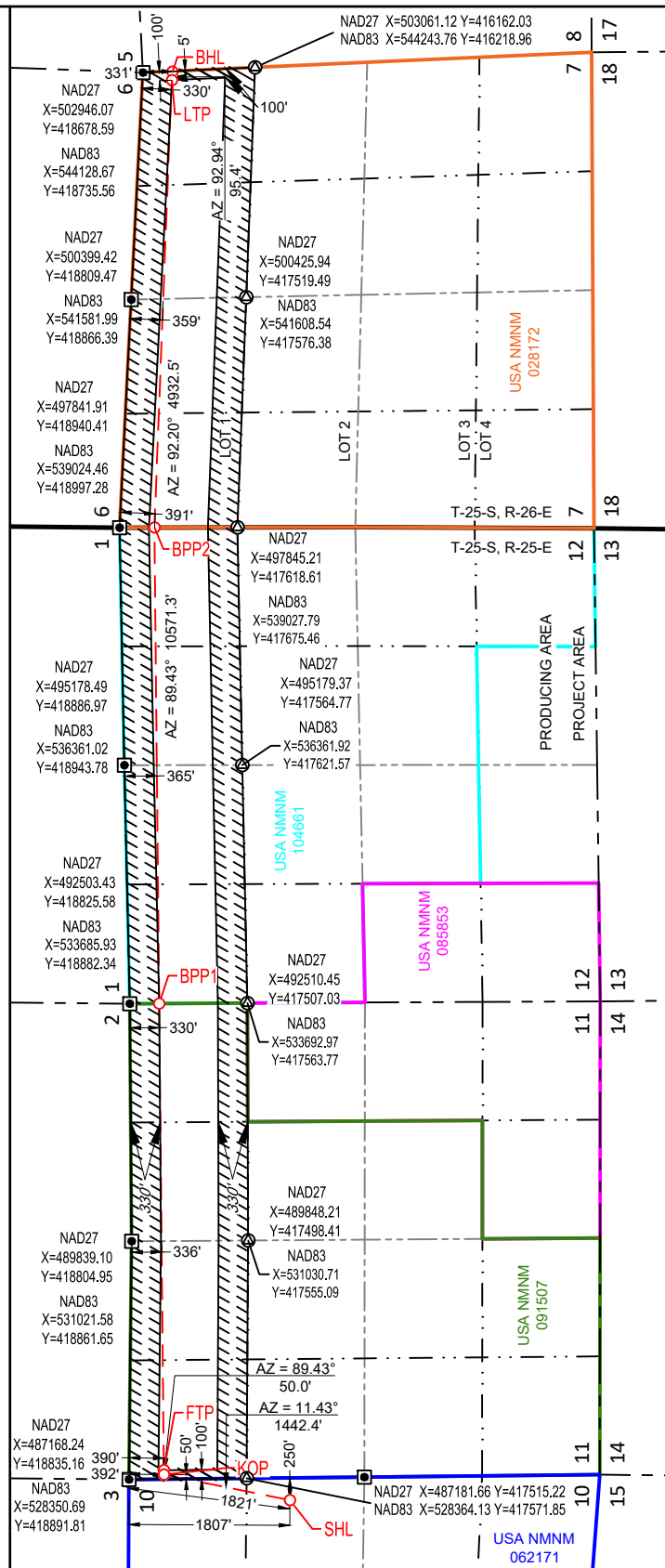
FIRST TAKE POINT (FTP)

NEW MEXICO EAST
NAD 1983
X=528455 Y=418500
LAT.: N 32.1505284
LONG.: W 104.3749606

NAD 1927

X=487273 Y=418443
LAT.: N 32.1504108
LONG.: W 104.3744565
390' FNL 100' FWL

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 (BPP1)

NEW MEXICO EAST
NAD 1983
X=533688 Y=418552
LAT.: N 32.1506764
LONG.: W 104.3580516

NAD 1927

X=492506 Y=418495
LAT.: N 32.1505584
LONG.: W 104.3575481
330' FNL 0' FWL

BLM PERF. POINT (BPP2)

NEW MEXICO EAST
NAD 1983
X=539025 Y=418606
LAT.: N 32.1508251
LONG.: W 104.3408041

NAD 1927

X=497844 Y=418549
LAT.: N 32.1507067
LONG.: W 104.3403012
391' FNL 0' FWL

LAST TAKE POINT (LTP)

NEW MEXICO EAST
NAD 1983
X=544043 Y=418410
LAT.: N 32.1502859
LONG.: W 104.3245897

NAD 1927

X=502862 Y=418352
LAT.: N 32.1501672
LONG.: W 104.3240874
330' FNL 100' FEL

BOTTOM HOLE LOCATION (BHL)

NEW MEXICO EAST
NAD 1983
X=544139 Y=418405
LAT.: N 32.1502724
LONG.: W 104.3242817

NAD 1927

X=502957 Y=418347
LAT.: N 32.1501537
LONG.: W 104.3237794
331' FNL 5' FEL

SURVEYORS CERTIFICATION

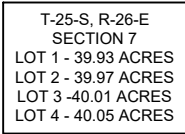
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.
04/17/2025

Date of Survey

Signature and Seal of Professional Surveyor:

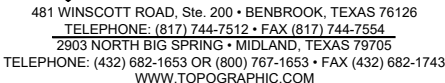


5/2/2025 5:10:14 PM



NEW MEXICO EAST
NAD 1983
X=544139 Y=418405
LAT.: N 32.1502724
ONG.: W 104.324281
331' FNL 5' FEL

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

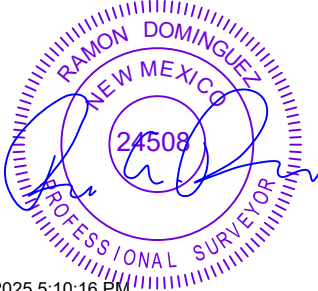
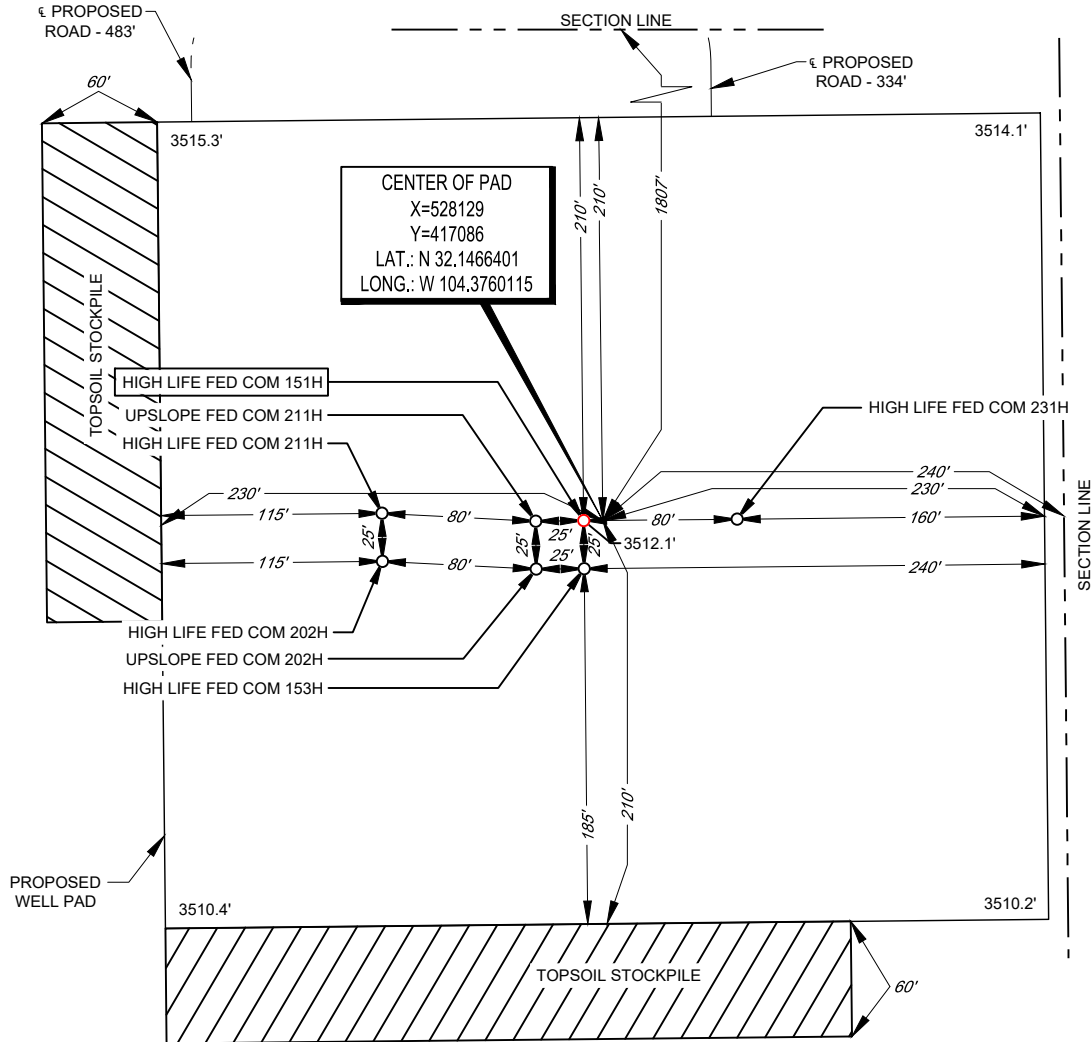




LEGEND

--- SECTION LINE
 --- PROPOSED ROAD

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



5/2/2025 5:10:16 PM

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

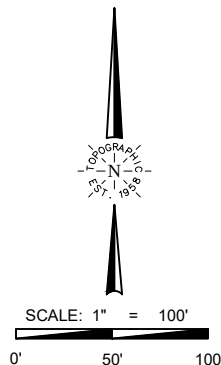
LEASE NAME & WELL NO.: HIGH LIFE FED COM 151H
 151H LATITUDE N 32.1466402 151H LONGITUDE W 104.3760439

CENTER OF PAD IS 1807' FNL & 240' FEL

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"



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



Company: Tap Rock Operating
Well: High Life Fed Com 151H
County: Eddy County, New Mexico (NAD 83)
Rig: H&P 466
Wellbore: Wellbore #1
Design: Design #2
Date: 14:41, May 19 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 151H

		GL @ 3512.00	Well @ 3538.00usft (H&P 466)	
+N/-S	+E/-W	Northing	Easting	Latitude
0.00	0.00	417085.79	528118.85	32° 8' 47.905 N

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSeet	Annotation
0.00	0.00	0.00	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	KOP, 1.00°/100' Build
1923.39	14.23	10.29	1908.79	173.07	31.42	1.00	10.291	30.40	Begin 14.23° Tangent
5349.52	14.23	10.29	5229.74	1001.93	181.93	0.00	0.000	175.98	Begin 0.00°/100' Drop
6772.90	0.00	0.00	6638.53	1175.00	213.35	1.00	180.000	206.37	Begin Vertical Hold
6872.90	0.00	0.00	6738.53	1175.00	213.35	0.00	0.000	206.37	KOP, 11.00°/100' Build
7680.18	88.80	74.00	7259.29	1315.56	703.56	11.00	74.000	695.74	Begin 88.80° Lateral, 00°/100' Turn
8451.96	88.81	89.44	7275.50	1426.36	1464.82	2.00	90.136	1456.33	Build 88.81° Inc, 89.44° Azm
12557.07	88.81	89.44	7360.96	1466.53	5568.84	0.00	0.000	5560.04	Begin 2.00°/100' Drop & Turn
12558.53	88.80	89.41	7360.99	1465.51	5570.30	2.00	-104.028	5561.50	Build 88.80° Inc, 89.41° Azm
15998.23	88.80	89.41	7433.02	1501.91	9009.07	0.00	0.000	9000.00	Begin 2.00°/100' Drop & Turn
16023.56	88.30	89.46	7433.66	1502.16	9034.38	2.00	174.517	9025.31	Build 88.30° Inc, 89.46° Azm
17499.07	88.30	89.46	7477.54	1516.08	10509.18	0.00	0.000	10500.00	Begin 2.00°/100' Drop
17504.10	88.20	89.46	7477.70	1516.13	10514.21	2.00	179.691	10505.03	Build 88.20° Inc, 89.46° Azm
17896.71	88.20	89.46	7490.06	1519.83	10906.60	0.00	0.000	10897.39	Begin 2.00°/100' Turn
18038.17	88.20	92.29	7494.51	1517.67	11047.96	2.00	89.913	11038.76	Build 88.20° Inc, 92.29° Azm
20502.05	88.20	92.29	7571.82	1419.25	13508.66	0.00	0.000	13500.00	Begin 2.00°/100' Build
20532.28	88.81	92.29	7572.61	1418.04	13538.86	2.00	0.004	13530.20	Build 88.81° Inc, 92.29° Azm
23015.91	88.81	92.29	7624.34	1318.81	16019.96	0.00	0.000	16011.86	PBHL

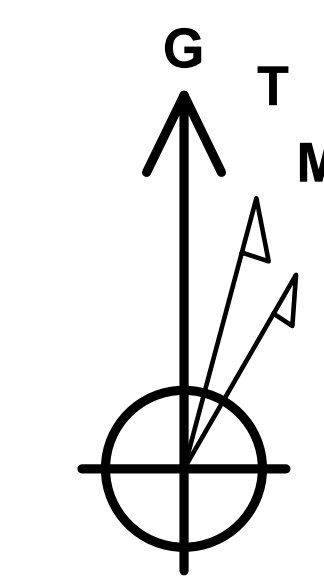
DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
10500VS v2_High Life 151H	7477.54	1516.08	10509.18	418601.87	538628.03	32° 9' 2.933 N	104° 20' 31.516 W
13500VS v2_High Life 151H	7571.82	1419.25	13508.66	418505.04	541627.51	32° 9' 1.976 N	104° 19' 56.827 W
9000VS v2_High Life 151H	7433.02	1461.93	9009.07	418587.70	537127.92	32° 9' 2.791 N	104° 20' 48.966 W
BPP1 v2_High Life 151H	7360.96	1506.53	5568.84	418552.32	533687.69	32° 9' 2.435 N	104° 21' 28.368 W
BPP2 v2_High Life 151H	7490.06	1519.83	10906.60	418605.62	539025.45	32° 9' 2.970 N	104° 20' 26.895 W
FTP v2_High Life 151H	0.00	1414.31	335.82	418500.10	528454.67	32° 9' 1.902 N	104° 22' 29.858 W
LTP v2_High Life 151H	0.00	1323.71	15924.64	418409.50	544043.49	32° 9' 1.029 N	104° 19' 28.523 W
PBHL v2_High Life 151H	7624.34	1318.81	16019.96	418404.60	544138.81	32° 9' 0.981 N	104° 19' 27.414 W

SURVEY PROGRAM

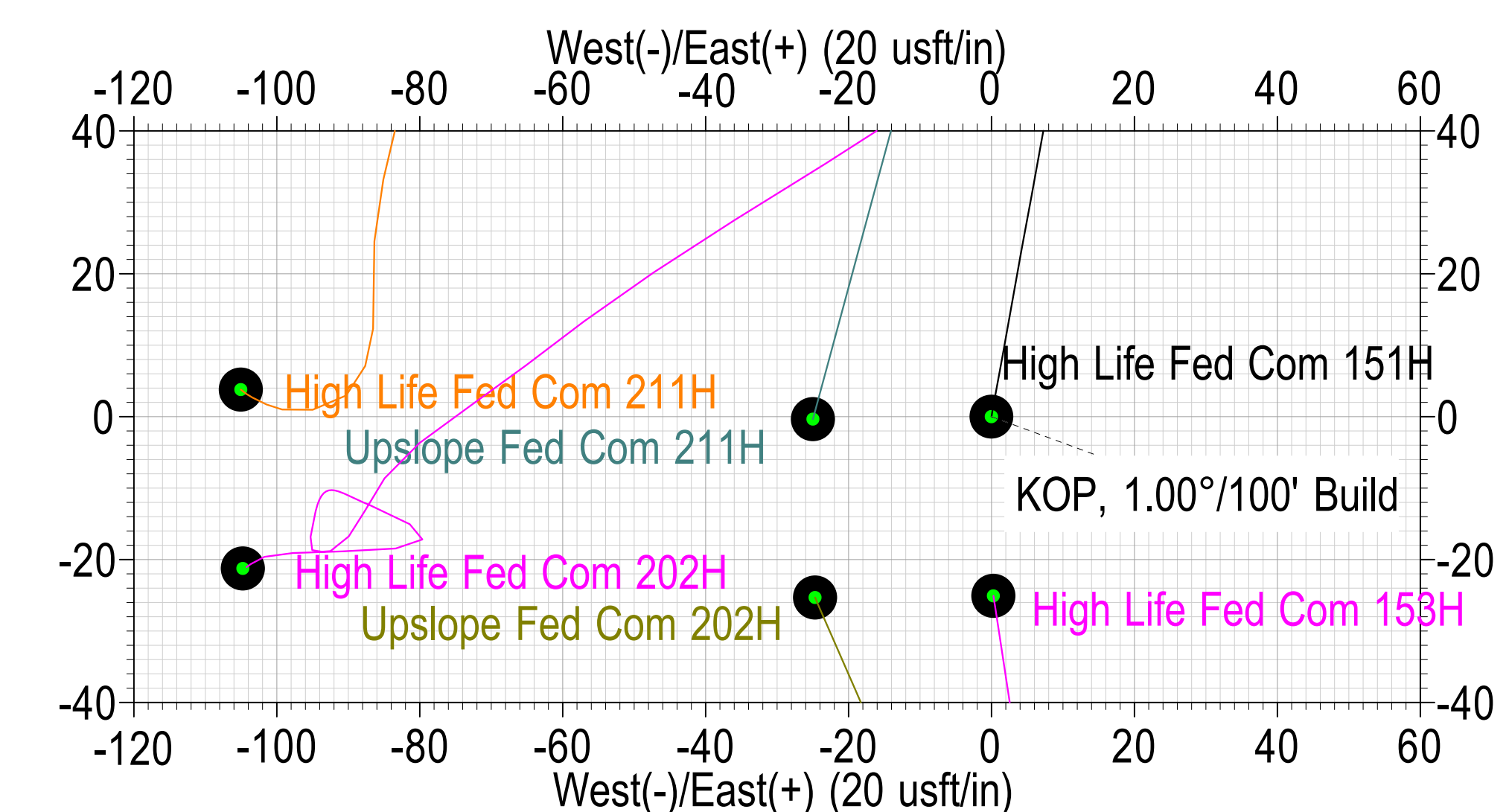
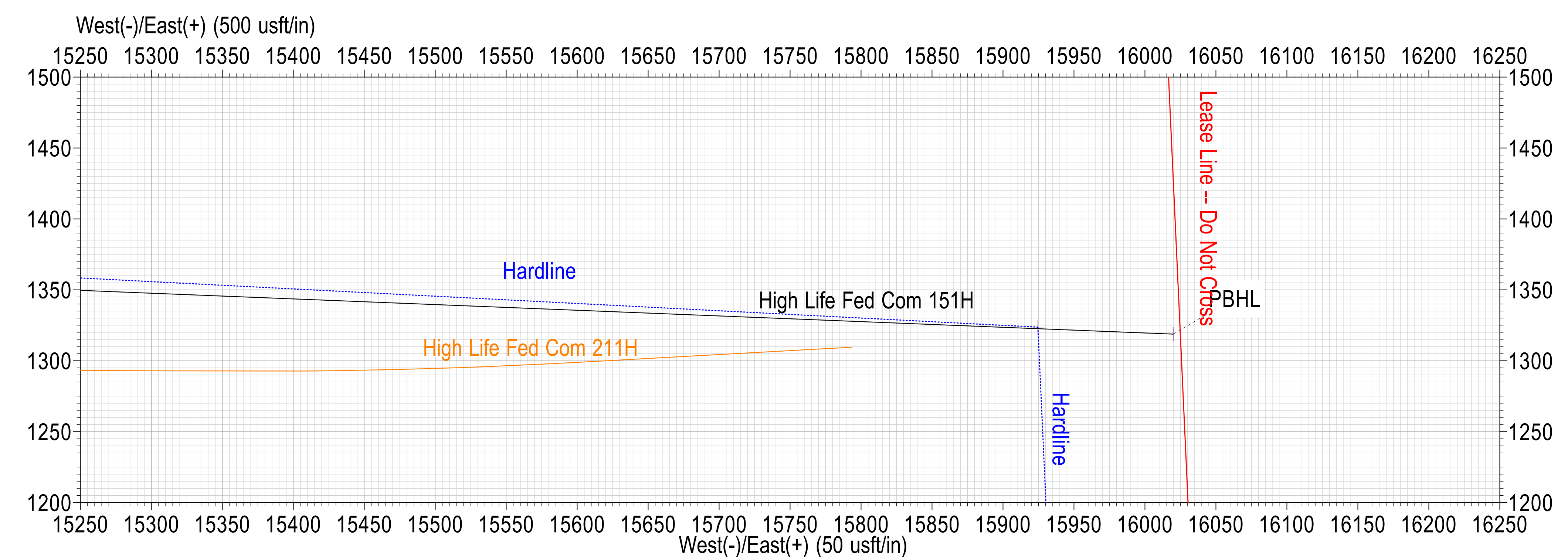
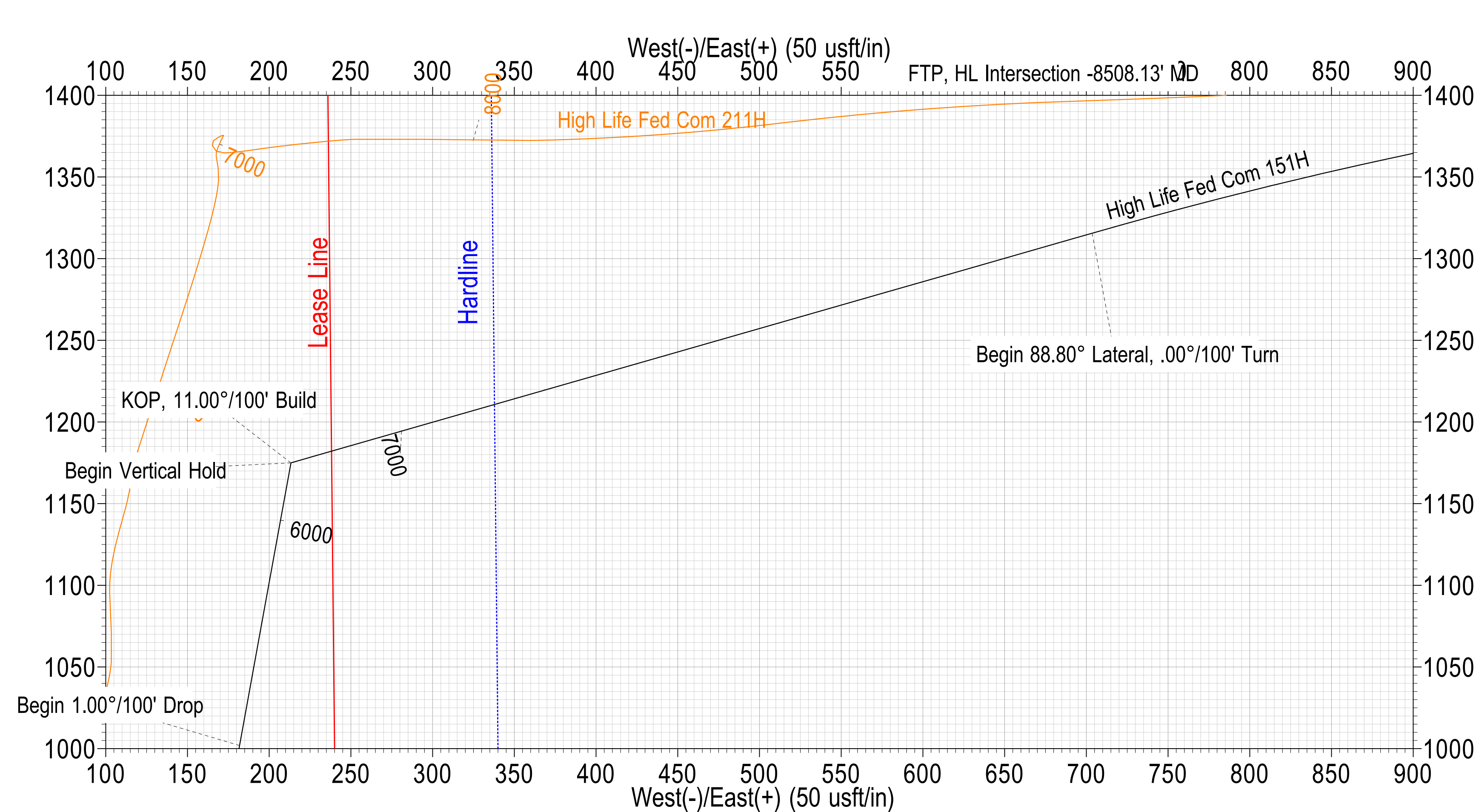
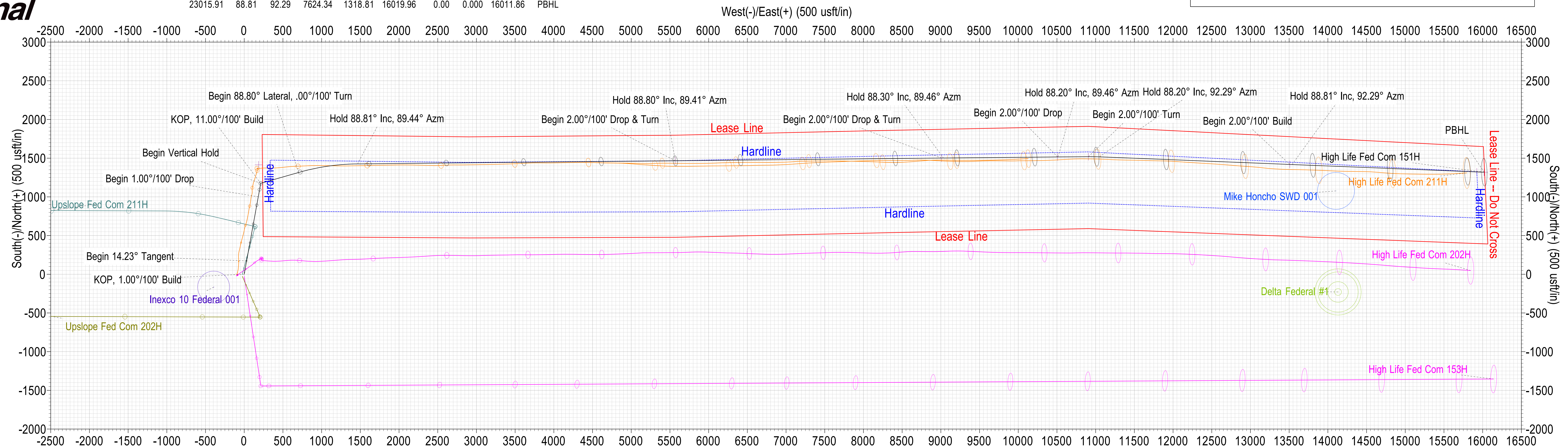
Depth From	Depth To	Survey/Plan	Tool
0.00	23015.91	Design #2 (Wellbore #1)	MWD+IFR1+SAG+FDIR

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 151H

Wellbore #1

Plan: Design #2

Standard Planning Report

20 May, 2025





Planning Report



Database:	TRG_EDMConroe	Local Co-ordinate Reference:	Well High Life Fed Com 151H
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 151H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #2		

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 151H		
Well Position	+N/-S	0.00 usft	Northing: 417,085.79 usft
	+E/-W	0.00 usft	Easting: 528,118.85 usft
Position Uncertainty	0.00 usft	Wellhead Elevation:	usft
Grid Convergence:	-0.023 °	Ground Level:	3,512.00 usft

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

Design	Design #2		
Audit Notes:			
Version:	Phase:	PLAN	Tie On Depth: 0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)
	0.00	0.00	0.00
			Direction (°)
			90.34

Plan Survey Tool Program	Date	5/20/2025		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.00	23,015.91	Design #2 (Wellbore #1)	MWD+IFR1+SAG+FDIR
				OWSG MWD + IFR1 + Sag



Planning Report



Database:	TRG_EDMConroe	Local Co-ordinate Reference:	Well High Life Fed Com 151H
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 151H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #2		

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	
1,923.39	14.23	10.29	1,908.79	173.07	31.42	1.00	1.00	0.00	10.291	
5,349.52	14.23	10.29	5,229.74	1,001.93	181.93	0.00	0.00	0.00	0.000	
6,772.90	0.00	0.00	6,638.53	1,175.00	213.35	1.00	-1.00	0.00	180.000	
6,872.90	0.00	0.00	6,738.53	1,175.00	213.35	0.00	0.00	0.00	0.000	
7,680.18	88.80	74.00	7,259.29	1,315.56	703.56	11.00	11.00	0.00	74.000	
8,451.96	88.81	89.44	7,275.50	1,426.36	1,464.82	2.00	0.00	2.00	90.136	
12,557.07	88.81	89.44	7,360.96	1,466.53	5,568.84	0.00	0.00	0.00	0.000	BPP1 v2_High Life
12,558.53	88.80	89.41	7,360.99	1,466.55	5,570.30	2.00	-0.48	-1.94	-104.028	
15,998.23	88.80	89.41	7,433.02	1,501.91	9,009.07	0.00	0.00	0.00	0.000	9000'VS v2_High L
16,023.56	88.30	89.46	7,433.66	1,502.16	9,034.38	2.00	-1.99	0.19	174.517	
17,499.07	88.30	89.46	7,477.54	1,516.08	10,509.18	0.00	0.00	0.00	0.000	10500'VS v2_High
17,504.10	88.20	89.46	7,477.70	1,516.13	10,514.21	2.00	-2.00	0.01	179.691	
17,896.71	88.20	89.46	7,490.06	1,519.83	10,906.60	0.00	0.00	0.00	0.000	BPP2 v2_High Life
18,038.17	88.20	92.29	7,494.51	1,517.67	11,047.96	2.00	0.00	2.00	89.913	
20,502.05	88.20	92.29	7,571.82	1,419.25	13,508.66	0.00	0.00	0.00	0.000	13500'VS v2_High
20,532.28	88.81	92.29	7,572.61	1,418.04	13,538.86	2.00	2.00	0.00	0.004	
23,015.91	88.81	92.29	7,624.34	1,318.81	16,019.96	0.00	0.00	0.00	0.000	PBHL v2_High Life



Planning Report



Database:	TRG_EDMConroe	Local Co-ordinate Reference:	Well High Life Fed Com 151H
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 151H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #2		

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, 1.00°/100' Build									
600.00	1.00	10.29	599.99	0.86	0.16	0.15	1.00	1.00	0.00
700.00	2.00	10.29	699.96	3.43	0.62	0.60	1.00	1.00	0.00
800.00	3.00	10.29	799.86	7.73	1.40	1.36	1.00	1.00	0.00
900.00	4.00	10.29	899.68	13.73	2.49	2.41	1.00	1.00	0.00
1,000.00	5.00	10.29	999.37	21.45	3.90	3.77	1.00	1.00	0.00
1,100.00	6.00	10.29	1,098.90	30.88	5.61	5.42	1.00	1.00	0.00
1,200.00	7.00	10.29	1,198.26	42.02	7.63	7.38	1.00	1.00	0.00
1,238.04	7.38	10.29	1,236.00	46.70	8.48	8.20	1.00	1.00	0.00
Base Salt									
1,300.00	8.00	10.29	1,297.40	54.86	9.96	9.64	1.00	1.00	0.00
1,400.00	9.00	10.29	1,396.30	69.41	12.60	12.19	1.00	1.00	0.00
1,466.58	9.67	10.29	1,462.00	80.03	14.53	14.06	1.00	1.00	0.00
Delaware Mountain Gp									
1,467.59	9.68	10.29	1,463.00	80.20	14.56	14.09	1.00	1.00	0.00
Lamar									
1,497.02	9.97	10.29	1,492.00	85.14	15.46	14.95	1.00	1.00	0.00
Bell Canyon									
1,500.00	10.00	10.29	1,494.93	85.64	15.55	15.04	1.00	1.00	0.00
1,591.59	10.92	10.29	1,585.00	102.00	18.52	17.92	1.00	1.00	0.00
Ramsey Sand									
1,600.00	11.00	10.29	1,593.26	103.57	18.81	18.19	1.00	1.00	0.00
1,700.00	12.00	10.29	1,691.25	123.19	22.37	21.64	1.00	1.00	0.00
1,800.00	13.00	10.29	1,788.87	144.49	26.24	25.38	1.00	1.00	0.00
1,900.00	14.00	10.29	1,886.11	167.45	30.41	29.41	1.00	1.00	0.00
1,923.39	14.23	10.29	1,908.79	173.07	31.42	30.40	1.00	1.00	0.00
Begin 14.23° Tangent									
2,000.00	14.23	10.29	1,983.05	191.60	34.79	33.65	0.00	0.00	0.00
2,100.00	14.23	10.29	2,079.98	215.79	39.18	37.90	0.00	0.00	0.00
2,200.00	14.23	10.29	2,176.91	239.99	43.58	42.15	0.00	0.00	0.00
2,300.00	14.23	10.29	2,273.84	264.18	47.97	46.40	0.00	0.00	0.00
2,400.00	14.23	10.29	2,370.77	288.37	52.36	50.65	0.00	0.00	0.00
2,440.47	14.23	10.29	2,410.00	298.16	54.14	52.37	0.00	0.00	0.00
Cherry Canyon									
2,500.00	14.23	10.29	2,467.70	312.56	56.75	54.90	0.00	0.00	0.00
2,600.00	14.23	10.29	2,564.63	336.76	61.15	59.15	0.00	0.00	0.00
2,700.00	14.23	10.29	2,661.56	360.95	65.54	63.40	0.00	0.00	0.00
2,800.00	14.23	10.29	2,758.49	385.14	69.93	67.65	0.00	0.00	0.00
2,900.00	14.23	10.29	2,855.42	409.33	74.32	71.89	0.00	0.00	0.00
3,000.00	14.23	10.29	2,952.35	433.53	78.72	76.14	0.00	0.00	0.00
3,100.00	14.23	10.29	3,049.28	457.72	83.11	80.39	0.00	0.00	0.00
3,200.00	14.23	10.29	3,146.21	481.91	87.50	84.64	0.00	0.00	0.00



Planning Report



Database:	TRG_EDMConroe	Local Co-ordinate Reference:	Well High Life Fed Com 151H
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 151H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #2		

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	14.23	10.29	3,243.14	506.10	91.90	88.89	0.00	0.00	0.00
3,389.61	14.23	10.29	3,330.00	527.78	95.83	92.70	0.00	0.00	0.00
Brushy Canyon									
3,400.00	14.23	10.29	3,340.07	530.30	96.29	93.14	0.00	0.00	0.00
3,500.00	14.23	10.29	3,437.00	554.49	100.68	97.39	0.00	0.00	0.00
3,600.00	14.23	10.29	3,533.93	578.68	105.07	101.64	0.00	0.00	0.00
3,700.00	14.23	10.29	3,630.86	602.87	109.47	105.89	0.00	0.00	0.00
3,800.00	14.23	10.29	3,727.79	627.07	113.86	110.14	0.00	0.00	0.00
3,900.00	14.23	10.29	3,824.72	651.26	118.25	114.39	0.00	0.00	0.00
4,000.00	14.23	10.29	3,921.65	675.45	122.64	118.63	0.00	0.00	0.00
4,100.00	14.23	10.29	4,018.58	699.64	127.04	122.88	0.00	0.00	0.00
4,200.00	14.23	10.29	4,115.51	723.84	131.43	127.13	0.00	0.00	0.00
4,300.00	14.23	10.29	4,212.44	748.03	135.82	131.38	0.00	0.00	0.00
4,400.00	14.23	10.29	4,309.37	772.22	140.22	135.63	0.00	0.00	0.00
4,500.00	14.23	10.29	4,406.30	796.41	144.61	139.88	0.00	0.00	0.00
4,600.00	14.23	10.29	4,503.23	820.61	149.00	144.13	0.00	0.00	0.00
4,700.00	14.23	10.29	4,600.16	844.80	153.39	148.38	0.00	0.00	0.00
4,800.00	14.23	10.29	4,697.09	868.99	157.79	152.63	0.00	0.00	0.00
4,838.08	14.23	10.29	4,734.00	878.20	159.46	154.25	0.00	0.00	0.00
Bone Spring Lime									
4,900.00	14.23	10.29	4,794.02	893.18	162.18	156.88	0.00	0.00	0.00
4,941.24	14.23	10.29	4,834.00	903.16	163.99	158.63	0.00	0.00	0.00
Upper Avalon									
5,000.00	14.23	10.29	4,890.95	917.38	166.57	161.13	0.00	0.00	0.00
5,100.00	14.23	10.29	4,987.88	941.57	170.96	165.37	0.00	0.00	0.00
5,189.88	14.23	10.29	5,075.00	963.31	174.91	169.19	0.00	0.00	0.00
Middle Avalon									
5,200.00	14.23	10.29	5,084.81	965.76	175.36	169.62	0.00	0.00	0.00
5,300.00	14.23	10.29	5,181.74	989.95	179.75	173.87	0.00	0.00	0.00
5,349.52	14.23	10.29	5,229.74	1,001.93	181.93	175.98	0.00	0.00	0.00
Begin 1.00°/100' Drop									
5,400.00	13.73	10.29	5,278.73	1,013.93	184.10	178.08	1.00	-1.00	0.00
5,500.00	12.73	10.29	5,376.07	1,036.45	188.19	182.04	1.00	-1.00	0.00
5,596.12	11.77	10.29	5,470.00	1,056.51	191.84	185.56	1.00	-1.00	0.00
Lower Avalon									
5,600.00	11.73	10.29	5,473.80	1,057.29	191.98	185.70	1.00	-1.00	0.00
5,700.00	10.73	10.29	5,571.89	1,076.45	195.46	189.06	1.00	-1.00	0.00
5,770.26	10.03	10.29	5,641.00	1,088.90	197.72	191.25	1.00	-1.00	0.00
1st Bone Spring Sand									
5,800.00	9.73	10.29	5,670.30	1,093.92	198.63	192.13	1.00	-1.00	0.00
5,900.00	8.73	10.29	5,769.00	1,109.70	201.49	194.91	1.00	-1.00	0.00
6,000.00	7.73	10.29	5,867.97	1,123.79	204.05	197.38	1.00	-1.00	0.00
6,100.00	6.73	10.29	5,967.17	1,136.17	206.30	199.55	1.00	-1.00	0.00
6,131.03	6.42	10.29	5,998.00	1,139.66	206.93	200.17	1.00	-1.00	0.00
2nd Bone Spring Carb									
6,200.00	5.73	10.29	6,066.58	1,146.84	208.24	201.43	1.00	-1.00	0.00
6,300.00	4.73	10.29	6,166.16	1,155.81	209.87	203.00	1.00	-1.00	0.00
6,400.00	3.73	10.29	6,265.89	1,163.06	211.18	204.28	1.00	-1.00	0.00
6,500.00	2.73	10.29	6,365.73	1,168.61	212.19	205.25	1.00	-1.00	0.00
6,531.30	2.42	10.29	6,397.00	1,169.99	212.44	205.49	1.00	-1.00	0.00
2nd Bone Spring Sand									
6,600.00	1.73	10.29	6,465.65	1,172.43	212.88	205.92	1.00	-1.00	0.00



Planning Report



Database:	TRG_EDMConroe	Local Co-ordinate Reference:	Well High Life Fed Com 151H
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 151H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #2		

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	0.73	10.29	6,565.63	1,174.54	213.27	206.29	1.00	-1.00	0.00
6,772.90	0.00	0.00	6,638.53	1,175.00	213.35	206.37	1.00	-1.00	-14.12
Begin Vertical Hold									
6,800.00	0.00	0.00	6,665.63	1,175.00	213.35	206.37	0.00	0.00	0.00
6,872.90	0.00	0.00	6,738.53	1,175.00	213.35	206.37	0.00	0.00	0.00
KOP, 11.00°/100' Build									
6,900.00	2.98	74.00	6,765.61	1,175.19	214.03	207.05	11.00	11.00	0.00
6,930.49	6.33	74.00	6,796.00	1,175.88	216.41	209.43	11.00	11.00	0.00
3rd Bone Spring Carb									
6,950.00	8.48	74.00	6,815.35	1,176.57	218.82	211.84	11.00	11.00	0.00
7,000.00	13.98	74.00	6,864.37	1,179.25	228.18	221.18	11.00	11.00	0.00
7,050.00	19.48	74.00	6,912.23	1,183.22	242.01	234.99	11.00	11.00	0.00
7,100.00	24.98	74.00	6,958.50	1,188.43	260.19	253.13	11.00	11.00	0.00
7,150.00	30.48	74.00	7,002.74	1,194.84	282.55	275.45	11.00	11.00	0.00
7,200.00	35.98	74.00	7,044.55	1,202.39	308.87	301.73	11.00	11.00	0.00
7,250.00	41.48	74.00	7,083.54	1,211.01	338.93	331.74	11.00	11.00	0.00
7,300.00	46.98	74.00	7,119.35	1,220.62	372.45	365.20	11.00	11.00	0.00
7,350.00	52.48	74.00	7,151.66	1,231.13	409.11	401.79	11.00	11.00	0.00
7,400.00	57.98	74.00	7,180.16	1,242.45	448.57	441.19	11.00	11.00	0.00
7,450.00	63.48	74.00	7,204.60	1,254.47	490.48	483.03	11.00	11.00	0.00
7,500.00	68.98	74.00	7,224.74	1,267.07	534.45	526.92	11.00	11.00	0.00
7,550.00	74.48	74.00	7,240.41	1,280.16	580.08	572.47	11.00	11.00	0.00
7,600.00	79.98	74.00	7,251.46	1,293.59	626.93	619.24	11.00	11.00	0.00
7,650.00	85.48	74.00	7,257.78	1,307.26	674.59	666.82	11.00	11.00	0.00
7,680.18	88.80	74.00	7,259.29	1,315.56	703.56	695.74	11.00	11.00	0.00
Begin 88.80° Lateral, .00°/100' Turn									
7,700.00	88.80	74.40	7,259.70	1,320.96	722.63	714.78	2.00	0.00	2.00
7,800.00	88.80	76.40	7,261.80	1,346.17	819.37	811.37	2.00	0.00	2.00
7,900.00	88.79	78.40	7,263.91	1,367.98	916.94	908.80	2.00	0.00	2.00
8,000.00	88.79	80.40	7,266.01	1,386.37	1,015.20	1,006.96	2.00	0.00	2.00
8,100.00	88.79	82.40	7,268.12	1,401.33	1,114.05	1,105.71	2.00	0.00	2.00
8,200.00	88.80	84.40	7,270.22	1,412.82	1,213.36	1,204.95	2.00	0.00	2.00
8,300.00	88.80	86.40	7,272.32	1,420.84	1,313.01	1,304.56	2.00	0.00	2.00
8,400.00	88.80	88.40	7,274.42	1,425.38	1,412.88	1,404.40	2.00	0.01	2.00
8,451.96	88.81	89.44	7,275.50	1,426.36	1,464.82	1,456.33	2.00	0.01	2.00
Hold 88.81° Inc, 89.44° Azm									
8,500.00	88.81	89.44	7,276.50	1,426.83	1,512.85	1,504.35	0.00	0.00	0.00
8,600.00	88.81	89.44	7,278.58	1,427.80	1,612.82	1,604.32	0.00	0.00	0.00
8,700.00	88.81	89.44	7,280.66	1,428.78	1,712.79	1,704.28	0.00	0.00	0.00
8,800.00	88.81	89.44	7,282.75	1,429.76	1,812.77	1,804.25	0.00	0.00	0.00
8,900.00	88.81	89.44	7,284.83	1,430.74	1,912.74	1,904.22	0.00	0.00	0.00
9,000.00	88.81	89.44	7,286.91	1,431.72	2,012.71	2,004.18	0.00	0.00	0.00
9,100.00	88.81	89.44	7,288.99	1,432.70	2,112.69	2,104.15	0.00	0.00	0.00
9,200.00	88.81	89.44	7,291.07	1,433.68	2,212.66	2,204.11	0.00	0.00	0.00
9,300.00	88.81	89.44	7,293.15	1,434.66	2,312.63	2,304.08	0.00	0.00	0.00
9,400.00	88.81	89.44	7,295.24	1,435.63	2,412.61	2,404.05	0.00	0.00	0.00
9,500.00	88.81	89.44	7,297.32	1,436.61	2,512.58	2,504.01	0.00	0.00	0.00
9,600.00	88.81	89.44	7,299.40	1,437.59	2,612.55	2,603.98	0.00	0.00	0.00
9,700.00	88.81	89.44	7,301.48	1,438.57	2,712.53	2,703.94	0.00	0.00	0.00
9,800.00	88.81	89.44	7,303.56	1,439.55	2,812.50	2,803.91	0.00	0.00	0.00
9,900.00	88.81	89.44	7,305.65	1,440.53	2,912.48	2,903.88	0.00	0.00	0.00
10,000.00	88.81	89.44	7,307.73	1,441.51	3,012.45	3,003.84	0.00	0.00	0.00
10,100.00	88.81	89.44	7,309.81	1,442.48	3,112.42	3,103.81	0.00	0.00	0.00



Planning Report



Database:	TRG_EDMConroe	Local Co-ordinate Reference:	Well High Life Fed Com 151H
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 151H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #2		

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)
10,200.00	88.81	89.44	7,311.89	1,443.46	3,212.40	3,203.77	0.00	0.00	0.00
10,300.00	88.81	89.44	7,313.97	1,444.44	3,312.37	3,303.74	0.00	0.00	0.00
10,400.00	88.81	89.44	7,316.05	1,445.42	3,412.34	3,403.71	0.00	0.00	0.00
10,500.00	88.81	89.44	7,318.14	1,446.40	3,512.32	3,503.67	0.00	0.00	0.00
10,600.00	88.81	89.44	7,320.22	1,447.38	3,612.29	3,603.64	0.00	0.00	0.00
10,700.00	88.81	89.44	7,322.30	1,448.36	3,712.26	3,703.60	0.00	0.00	0.00
10,800.00	88.81	89.44	7,324.38	1,449.34	3,812.24	3,803.57	0.00	0.00	0.00
10,900.00	88.81	89.44	7,326.46	1,450.31	3,912.21	3,903.54	0.00	0.00	0.00
11,000.00	88.81	89.44	7,328.55	1,451.29	4,012.18	4,003.50	0.00	0.00	0.00
11,100.00	88.81	89.44	7,330.63	1,452.27	4,112.16	4,103.47	0.00	0.00	0.00
11,200.00	88.81	89.44	7,332.71	1,453.25	4,212.13	4,203.43	0.00	0.00	0.00
11,300.00	88.81	89.44	7,334.79	1,454.23	4,312.11	4,303.40	0.00	0.00	0.00
11,400.00	88.81	89.44	7,336.87	1,455.21	4,412.08	4,403.37	0.00	0.00	0.00
11,500.00	88.81	89.44	7,338.95	1,456.19	4,512.05	4,503.33	0.00	0.00	0.00
11,600.00	88.81	89.44	7,341.04	1,457.17	4,612.03	4,603.30	0.00	0.00	0.00
11,700.00	88.81	89.44	7,343.12	1,458.14	4,712.00	4,703.26	0.00	0.00	0.00
11,800.00	88.81	89.44	7,345.20	1,459.12	4,811.97	4,803.23	0.00	0.00	0.00
11,900.00	88.81	89.44	7,347.28	1,460.10	4,911.95	4,903.20	0.00	0.00	0.00
12,000.00	88.81	89.44	7,349.36	1,461.08	5,011.92	5,003.16	0.00	0.00	0.00
12,100.00	88.81	89.44	7,351.44	1,462.06	5,111.89	5,103.13	0.00	0.00	0.00
12,200.00	88.81	89.44	7,353.53	1,463.04	5,211.87	5,203.09	0.00	0.00	0.00
12,300.00	88.81	89.44	7,355.61	1,464.02	5,311.84	5,303.06	0.00	0.00	0.00
12,400.00	88.81	89.44	7,357.69	1,464.99	5,411.81	5,403.03	0.00	0.00	0.00
12,500.00	88.81	89.44	7,359.77	1,465.97	5,511.79	5,502.99	0.00	0.00	0.00
12,557.07	88.81	89.44	7,360.96	1,466.53	5,568.84	5,560.04	0.00	0.00	0.00
Begin 2.00°/100' Drop & Turn									
12,558.53	88.80	89.41	7,360.99	1,466.55	5,570.30	5,561.50	2.00	-0.48	-1.94
Hold 88.80° Inc, 89.41° Azm									
12,600.00	88.80	89.41	7,361.86	1,466.97	5,611.76	5,602.96	0.00	0.00	0.00
12,700.00	88.80	89.41	7,363.95	1,468.00	5,711.73	5,702.92	0.00	0.00	0.00
12,800.00	88.80	89.41	7,366.05	1,469.03	5,811.71	5,802.89	0.00	0.00	0.00
12,900.00	88.80	89.41	7,368.14	1,470.06	5,911.68	5,902.85	0.00	0.00	0.00
13,000.00	88.80	89.41	7,370.24	1,471.09	6,011.65	6,002.82	0.00	0.00	0.00
13,100.00	88.80	89.41	7,372.33	1,472.11	6,111.62	6,102.78	0.00	0.00	0.00
13,200.00	88.80	89.41	7,374.42	1,473.14	6,211.60	6,202.75	0.00	0.00	0.00
13,300.00	88.80	89.41	7,376.52	1,474.17	6,311.57	6,302.71	0.00	0.00	0.00
13,400.00	88.80	89.41	7,378.61	1,475.20	6,411.54	6,402.68	0.00	0.00	0.00
13,500.00	88.80	89.41	7,380.71	1,476.23	6,511.52	6,502.64	0.00	0.00	0.00
13,600.00	88.80	89.41	7,382.80	1,477.25	6,611.49	6,602.61	0.00	0.00	0.00
13,700.00	88.80	89.41	7,384.89	1,478.28	6,711.46	6,702.57	0.00	0.00	0.00
13,800.00	88.80	89.41	7,386.99	1,479.31	6,811.43	6,802.54	0.00	0.00	0.00
13,900.00	88.80	89.41	7,389.08	1,480.34	6,911.41	6,902.50	0.00	0.00	0.00
14,000.00	88.80	89.41	7,391.18	1,481.37	7,011.38	7,002.47	0.00	0.00	0.00
14,100.00	88.80	89.41	7,393.27	1,482.39	7,111.35	7,102.43	0.00	0.00	0.00
14,200.00	88.80	89.41	7,395.37	1,483.42	7,211.33	7,202.40	0.00	0.00	0.00
14,300.00	88.80	89.41	7,397.46	1,484.45	7,311.30	7,302.36	0.00	0.00	0.00
14,400.00	88.80	89.41	7,399.55	1,485.48	7,411.27	7,402.33	0.00	0.00	0.00
14,500.00	88.80	89.41	7,401.65	1,486.51	7,511.24	7,502.29	0.00	0.00	0.00
14,600.00	88.80	89.41	7,403.74	1,487.53	7,611.22	7,602.26	0.00	0.00	0.00
14,700.00	88.80	89.41	7,405.84	1,488.56	7,711.19	7,702.22	0.00	0.00	0.00
14,800.00	88.80	89.41	7,407.93	1,489.59	7,811.16	7,802.19	0.00	0.00	0.00
14,900.00	88.80	89.41	7,410.02	1,490.62	7,911.13	7,902.15	0.00	0.00	0.00
15,000.00	88.80	89.41	7,412.12	1,491.65	8,011.11	8,002.12	0.00	0.00	0.00



Planning Report



Database:	TRG_EDMConroe	Local Co-ordinate Reference:	Well High Life Fed Com 151H
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 151H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #2		

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)
15,100.00	88.80	89.41	7,414.21	1,492.68	8,111.08	8,102.08	0.00	0.00	0.00
15,200.00	88.80	89.41	7,416.31	1,493.70	8,211.05	8,202.04	0.00	0.00	0.00
15,300.00	88.80	89.41	7,418.40	1,494.73	8,311.03	8,302.01	0.00	0.00	0.00
15,400.00	88.80	89.41	7,420.50	1,495.76	8,411.00	8,401.97	0.00	0.00	0.00
15,500.00	88.80	89.41	7,422.59	1,496.79	8,510.97	8,501.94	0.00	0.00	0.00
15,600.00	88.80	89.41	7,424.68	1,497.82	8,610.94	8,601.90	0.00	0.00	0.00
15,700.00	88.80	89.41	7,426.78	1,498.84	8,710.92	8,701.87	0.00	0.00	0.00
15,800.00	88.80	89.41	7,428.87	1,499.87	8,810.89	8,801.83	0.00	0.00	0.00
15,900.00	88.80	89.41	7,430.97	1,500.90	8,910.86	8,901.80	0.00	0.00	0.00
15,998.23	88.80	89.41	7,433.02	1,501.91	9,009.07	9,000.00	0.00	0.00	0.00
Begin 2.00°/100' Drop & Turn									
16,000.00	88.76	89.41	7,433.06	1,501.93	9,010.84	9,001.76	2.00	-1.99	0.19
16,023.56	88.30	89.46	7,433.66	1,502.16	9,034.38	9,025.31	2.00	-1.99	0.19
Hold 88.30° Inc, 89.46° Azm									
16,100.00	88.30	89.46	7,435.94	1,502.88	9,110.79	9,101.71	0.00	0.00	0.00
16,200.00	88.30	89.46	7,438.91	1,503.82	9,210.74	9,201.65	0.00	0.00	0.00
16,300.00	88.30	89.46	7,441.89	1,504.77	9,310.69	9,301.60	0.00	0.00	0.00
16,400.00	88.30	89.46	7,444.86	1,505.71	9,410.64	9,401.54	0.00	0.00	0.00
16,500.00	88.30	89.46	7,447.83	1,506.65	9,510.59	9,501.49	0.00	0.00	0.00
16,600.00	88.30	89.46	7,450.81	1,507.60	9,610.55	9,601.43	0.00	0.00	0.00
16,700.00	88.30	89.46	7,453.78	1,508.54	9,710.50	9,701.37	0.00	0.00	0.00
16,800.00	88.30	89.46	7,456.75	1,509.48	9,810.45	9,801.32	0.00	0.00	0.00
16,900.00	88.30	89.46	7,459.73	1,510.43	9,910.40	9,901.26	0.00	0.00	0.00
17,000.00	88.30	89.46	7,462.70	1,511.37	10,010.35	10,001.21	0.00	0.00	0.00
17,100.00	88.30	89.46	7,465.67	1,512.32	10,110.30	10,101.15	0.00	0.00	0.00
17,200.00	88.30	89.46	7,468.65	1,513.26	10,210.25	10,201.09	0.00	0.00	0.00
17,300.00	88.30	89.46	7,471.62	1,514.20	10,310.21	10,301.04	0.00	0.00	0.00
17,400.00	88.30	89.46	7,474.60	1,515.15	10,410.16	10,400.98	0.00	0.00	0.00
17,499.07	88.30	89.46	7,477.54	1,516.08	10,509.18	10,500.00	0.00	0.00	0.00
Begin 2.00°/100' Drop									
17,504.10	88.20	89.46	7,477.70	1,516.13	10,514.21	10,505.03	2.00	-2.00	0.01
Hold 88.20° Inc, 89.46° Azm									
17,577.26	88.20	89.46	7,480.00	1,516.82	10,587.33	10,578.14	0.00	0.00	0.00
3rd Bone Spring Sand									
17,600.00	88.20	89.46	7,480.72	1,517.03	10,610.05	10,600.86	0.00	0.00	0.00
17,700.00	88.20	89.46	7,483.87	1,517.97	10,710.00	10,700.80	0.00	0.00	0.00
17,800.00	88.20	89.46	7,487.01	1,518.92	10,809.95	10,800.74	0.00	0.00	0.00
17,896.71	88.20	89.46	7,490.06	1,519.83	10,906.60	10,897.39	0.00	0.00	0.00
Begin 2.00°/100' Turn									
17,900.00	88.20	89.53	7,490.16	1,519.86	10,909.89	10,900.68	2.00	0.00	2.00
18,000.00	88.20	91.53	7,493.31	1,518.94	11,009.83	11,000.63	2.00	0.00	2.00
18,038.17	88.20	92.29	7,494.51	1,517.67	11,047.96	11,038.76	2.00	0.01	2.00
Hold 88.20° Inc, 92.29° Azm									
18,100.00	88.20	92.29	7,496.45	1,515.20	11,109.71	11,100.53	0.00	0.00	0.00
18,200.00	88.20	92.29	7,499.59	1,511.20	11,209.58	11,200.42	0.00	0.00	0.00
18,300.00	88.20	92.29	7,502.72	1,507.21	11,309.45	11,300.31	0.00	0.00	0.00
18,400.00	88.20	92.29	7,505.86	1,503.22	11,409.33	11,400.20	0.00	0.00	0.00
18,500.00	88.20	92.29	7,509.00	1,499.22	11,509.20	11,500.10	0.00	0.00	0.00
18,600.00	88.20	92.29	7,512.14	1,495.23	11,609.07	11,599.99	0.00	0.00	0.00
18,700.00	88.20	92.29	7,515.28	1,491.23	11,708.94	11,699.88	0.00	0.00	0.00
18,800.00	88.20	92.29	7,518.41	1,487.24	11,808.81	11,799.78	0.00	0.00	0.00
18,900.00	88.20	92.29	7,521.55	1,483.24	11,908.68	11,899.67	0.00	0.00	0.00



Planning Report



Database:	TRG_EDMConroe	Local Co-ordinate Reference:	Well High Life Fed Com 151H
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 151H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #2		

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)
19,000.00	88.20	92.29	7,524.69	1,479.25	12,008.55	11,999.56	0.00	0.00	0.00
19,100.00	88.20	92.29	7,527.83	1,475.25	12,108.42	12,099.45	0.00	0.00	0.00
19,200.00	88.20	92.29	7,530.96	1,471.26	12,208.29	12,199.35	0.00	0.00	0.00
19,300.00	88.20	92.29	7,534.10	1,467.27	12,308.16	12,299.24	0.00	0.00	0.00
19,400.00	88.20	92.29	7,537.24	1,463.27	12,408.03	12,399.13	0.00	0.00	0.00
19,500.00	88.20	92.29	7,540.38	1,459.28	12,507.91	12,499.03	0.00	0.00	0.00
19,600.00	88.20	92.29	7,543.52	1,455.28	12,607.78	12,598.92	0.00	0.00	0.00
19,700.00	88.20	92.29	7,546.65	1,451.29	12,707.65	12,698.81	0.00	0.00	0.00
19,800.00	88.20	92.29	7,549.79	1,447.29	12,807.52	12,798.70	0.00	0.00	0.00
19,900.00	88.20	92.29	7,552.93	1,443.30	12,907.39	12,898.60	0.00	0.00	0.00
20,000.00	88.20	92.29	7,556.07	1,439.30	13,007.26	12,998.49	0.00	0.00	0.00
20,100.00	88.20	92.29	7,559.21	1,435.31	13,107.13	13,098.38	0.00	0.00	0.00
20,200.00	88.20	92.29	7,562.34	1,431.32	13,207.00	13,198.28	0.00	0.00	0.00
20,300.00	88.20	92.29	7,565.48	1,427.32	13,306.87	13,298.17	0.00	0.00	0.00
20,400.00	88.20	92.29	7,568.62	1,423.33	13,406.74	13,398.06	0.00	0.00	0.00
20,502.05	88.20	92.29	7,571.82	1,419.25	13,508.66	13,500.00	0.00	0.00	0.00
Begin 2.00°/100' Build									
20,532.28	88.81	92.29	7,572.61	1,418.04	13,538.86	13,530.20	2.00	2.00	0.00
Hold 88.81° Inc, 92.29° Azm									
20,600.00	88.81	92.29	7,574.02	1,415.34	13,606.51	13,597.87	0.00	0.00	0.00
20,700.00	88.81	92.29	7,576.10	1,411.34	13,706.41	13,697.79	0.00	0.00	0.00
20,800.00	88.81	92.29	7,578.19	1,407.35	13,806.31	13,797.71	0.00	0.00	0.00
20,900.00	88.81	92.29	7,580.27	1,403.35	13,906.20	13,897.63	0.00	0.00	0.00
21,000.00	88.81	92.29	7,582.35	1,399.35	14,006.10	13,997.55	0.00	0.00	0.00
21,100.00	88.81	92.29	7,584.44	1,395.36	14,106.00	14,097.47	0.00	0.00	0.00
21,200.00	88.81	92.29	7,586.52	1,391.36	14,205.90	14,197.39	0.00	0.00	0.00
21,300.00	88.81	92.29	7,588.60	1,387.37	14,305.80	14,297.31	0.00	0.00	0.00
21,400.00	88.81	92.29	7,590.68	1,383.37	14,405.70	14,397.23	0.00	0.00	0.00
21,500.00	88.81	92.29	7,592.77	1,379.38	14,505.59	14,497.15	0.00	0.00	0.00
21,600.00	88.81	92.29	7,594.85	1,375.38	14,605.49	14,597.07	0.00	0.00	0.00
21,700.00	88.81	92.29	7,596.93	1,371.38	14,705.39	14,696.99	0.00	0.00	0.00
21,800.00	88.81	92.29	7,599.02	1,367.39	14,805.29	14,796.92	0.00	0.00	0.00
21,900.00	88.81	92.29	7,601.10	1,363.39	14,905.19	14,896.84	0.00	0.00	0.00
22,000.00	88.81	92.29	7,603.18	1,359.40	15,005.09	14,996.76	0.00	0.00	0.00
22,100.00	88.81	92.29	7,605.27	1,355.40	15,104.99	15,096.68	0.00	0.00	0.00
22,200.00	88.81	92.29	7,607.35	1,351.41	15,204.88	15,196.60	0.00	0.00	0.00
22,300.00	88.81	92.29	7,609.43	1,347.41	15,304.78	15,296.52	0.00	0.00	0.00
22,400.00	88.81	92.29	7,611.51	1,343.42	15,404.68	15,396.44	0.00	0.00	0.00
22,500.00	88.81	92.29	7,613.60	1,339.42	15,504.58	15,496.36	0.00	0.00	0.00
22,600.00	88.81	92.29	7,615.68	1,335.42	15,604.48	15,596.28	0.00	0.00	0.00
22,700.00	88.81	92.29	7,617.76	1,331.43	15,704.38	15,696.20	0.00	0.00	0.00
22,800.00	88.81	92.29	7,619.85	1,327.43	15,804.27	15,796.12	0.00	0.00	0.00
22,900.00	88.81	92.29	7,621.93	1,323.44	15,904.17	15,896.04	0.00	0.00	0.00
23,000.00	88.81	92.29	7,624.01	1,319.44	16,004.07	15,995.96	0.00	0.00	0.00
23,015.91	88.81	92.29	7,624.34	1,318.81	16,019.96	16,011.86	0.00	0.00	0.00
PBHL									



Planning Report



Database:	TRG_EDMConroe	Local Co-ordinate Reference:	Well High Life Fed Com 151H
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 151H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #2		

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
FTP v2_High Life 151 - plan misses target center by 1453.63usft at 0.00usft MD (0.00 TVD, 0.00 N, 0.00 E) - Point	0.00	0.00	0.00	1,414.31	335.82	418,500.10	528,454.67	32° 9' 1.902 N	104° 22' 29.858 W
LTP v2_High Life 151I - plan misses target center by 7620.70usft at 22761.67usft MD (7619.05 TVD, 1328.96 N, 15765.99 E) - Point	0.00	0.00	0.00	1,323.71	15,924.64	418,409.50	544,043.49	32° 9' 1.029 N	104° 19' 28.523 W
BPP1 v2_High Life 15 - plan hits target center - Point	0.00	0.00	7,360.96	1,466.53	5,568.84	418,552.32	533,687.69	32° 9' 2.435 N	104° 21' 28.986 W
9000'VS v2_High Life - plan hits target center - Point	0.00	360.00	7,433.02	1,501.91	9,009.07	418,587.70	537,127.92	32° 9' 2.791 N	104° 20' 48.968 W
10500'VS v2_High Life - plan hits target center - Point	0.00	360.00	7,477.54	1,516.08	10,509.18	418,601.87	538,628.03	32° 9' 2.933 N	104° 20' 31.518 W
BPP2 v2_High Life 15 - plan hits target center - Point	0.00	0.01	7,490.06	1,519.83	10,906.60	418,605.62	539,025.45	32° 9' 2.970 N	104° 20' 26.895 W
13500'VS v2_High Life - plan hits target center - Point	0.00	0.01	7,571.82	1,419.25	13,508.66	418,505.04	541,627.51	32° 9' 1.976 N	104° 19' 56.627 W
PBHL v2_High Life 15 - plan hits target center - Point	0.00	0.00	7,624.34	1,318.81	16,019.96	418,404.60	544,138.81	32° 9' 0.981 N	104° 19' 27.414 W

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
37.00	37.00	Rustler			
337.00	337.00	Top Salt			
1,238.04	1,236.00	Base Salt			
1,466.58	1,462.00	Delaware Mountain Gp			
1,467.59	1,463.00	Lamar			
1,497.02	1,492.00	Bell Canyon			
1,591.59	1,585.00	Ramsey Sand			
2,440.47	2,410.00	Cherry Canyon			
3,389.61	3,330.00	Brushy Canyon			
4,838.08	4,734.00	Bone Spring Lime			
4,941.24	4,834.00	Upper Avalon			
5,189.88	5,075.00	Middle Avalon			
5,596.12	5,470.00	Lower Avalon			
5,770.26	5,641.00	1st Bone Spring Sand			
6,131.03	5,998.00	2nd Bone Spring Carb			
6,531.30	6,397.00	2nd Bone Spring Sand			
6,930.49	6,796.00	3rd Bone Spring Carb			
17,577.26	7,480.00	3rd Bone Spring Sand			



Planning Report



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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 151H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #2		

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, 1.00°/100' Build
1,923.39	1,908.79	173.07	31.42	Begin 14.23° Tangent
5,349.52	5,229.74	1,001.93	181.93	Begin 1.00°/100' Drop
6,772.90	6,638.53	1,175.00	213.35	Begin Vertical Hold
6,872.90	6,738.53	1,175.00	213.35	KOP, 11.00°/100' Build
7,680.18	7,259.29	1,315.56	703.56	Begin 88.80° Lateral, .00°/100' Turn
8,451.96	7,275.50	1,426.36	1,464.82	Hold 88.81° Inc, 89.44° Azm
12,557.07	7,360.96	1,466.53	5,568.84	Begin 2.00°/100' Drop & Turn
12,558.53	7,360.99	1,466.55	5,570.30	Hold 88.80° Inc, 89.41° Azm
15,998.23	7,433.02	1,501.91	9,009.07	Begin 2.00°/100' Drop & Turn
16,023.56	7,433.66	1,502.16	9,034.38	Hold 88.30° Inc, 89.46° Azm
17,499.07	7,477.54	1,516.08	10,509.18	Begin 2.00°/100' Drop
17,504.10	7,477.70	1,516.13	10,514.21	Hold 88.20° Inc, 89.46° Azm
17,896.71	7,490.06	1,519.83	10,906.60	Begin 2.00°/100' Turn
18,038.17	7,494.51	1,517.67	11,047.96	Hold 88.20° Inc, 92.29° Azm
20,502.05	7,571.82	1,419.25	13,508.66	Begin 2.00°/100' Build
20,532.28	7,572.61	1,418.04	13,538.86	Hold 88.81° Inc, 92.29° Azm
23,015.91	7,624.34	1,318.81	16,019.96	PBHL

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

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

CONDITIONS

Action 484950

CONDITIONS

Operator: TAP ROCK OPERATING, LLC 1700 Lincoln St Denver, CO 80203	OGRID: 372043
	Action Number: 484950
	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