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Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
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Phone:(505) 476-3470 Fax:(505) 476-3462

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

Form C-101
August 1, 2011

Permit 316136

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

1. Operator Name and Address	2. OGRID Number
CATAMOUNT ENERGY PARTNERS LLC 600 17TH STREET STE 1400 S DENVER, CO 80202	308973
	3. API Number 30-045-38288

4. Property Code	5. Property Name	6. Well No.
333721	NAVAJO LAKE 32 6 11	001

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
I	10	32N	06W	NESW	1821	S	604	E	San Juan

8. Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
J	12	32N	06W	NESW	2395	S	967	W	Rio Arriba

9. Pool Information

BASIN FRUITLAND COAL (GAS)	71629

Additional Well Information

11. Work Type	12. Well Type	13. Cable/Rotary	14. Lease Type	15. Ground Level Elevation
New Well	GAS		Private	6174
16. Multiple	**17. Proposed Depth**	**18. Formation**	**19. Contractor**	**20. Spud Date**
N	3597	Fruitland Coal		2/20/2023
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

☒ **We will be using a closed-loop system in lieu of lined pits**

21. Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	12.25	9.625	36	350	191	0
Prod	8.75	7	23	3597	327	0
Liner3	6.125	4.5	11.6	10457	0	
Liner2	6.125	4.5	11.6	13130	0	
Liner1	6.125	4.5	11.6	11360	0	

Casing/Cement Program: Additional Comments

Laterals will be lined with pre-perforated liner and will not be cemented. Liner1 is for Lateral 1 Liner2 is for Lateral 2 Liner3 is for Lateral 3

22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Double Ram	3000	2000	

23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief. **I further certify I have complied with 19.15.14.9 (A) NMAC ☒ and/or 19.15.14.9 (B) NMAC ☒, if applicable.** Signature:	**OIL CONSERVATION DIVISION**
Printed Name: Electronically filed by Craig Reid	Approved By: Katherine Pickford
Title:	Title: Geoscientist
Email Address: creid@catamountep.com	Approved Date: 2/8/2023 Expiration Date: 2/8/2025
Date: 1/12/2023 Phone: 720-484-2350	Conditions of Approval Attached

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State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
1220 South St. Francis Drive
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011

Submit one copy to
Appropriate District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

[1] API Number	[2] Pool Code	[3] Pool Name
30-045-38288	71629	BASIN FRIUTLAND COAL

[4] Property Code	[5] Property Name	[6] Well Number
333721	NAVAJO LAKE 32-6-11 (LATERAL 1)	1

[7] OGRID No.	[8] Operator Name	[9] Elevation
308973	CATAMOUNT ENERGY PARTNERS, LLC	6174'

[10] Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	10	32N	6W		1821	SOUTH	604	EAST	SAN JUAN

[11] Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	12	32N	6W		2248	SOUTH	1661	EAST	RIO ARRIBA

[12] Dedicated Acres		[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
987.58	Entire Section 11 N/2, SW/4, NW/4 SE/4 Section 12			R-22434

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

[17] OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom-hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Nolan Redmond — 1/12/2023
Signature — Date

Nolan Redmond
Printed Name

nredmond@catamountep.com
E-mail Address

[18] SURVEYOR CERTIFICATION

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

Date Revised: JANUARY 11, 2023
Date of Survey: MAY 31, 2022

Signature and Seal of Professional Surveyor

JASON C. EDWARDS
NEW MEXICO
15269
REGISTERED PROFESSIONAL SURVEYOR

JASON C. EDWARDS
Certificate Number 15269

SURFACE LOCATION
1821' FSL 604' FEL
SEC 10, T32N, R6W
LAT: 36.992620 °N
LONG: 107.437596 °W
DATUM: NAD1927

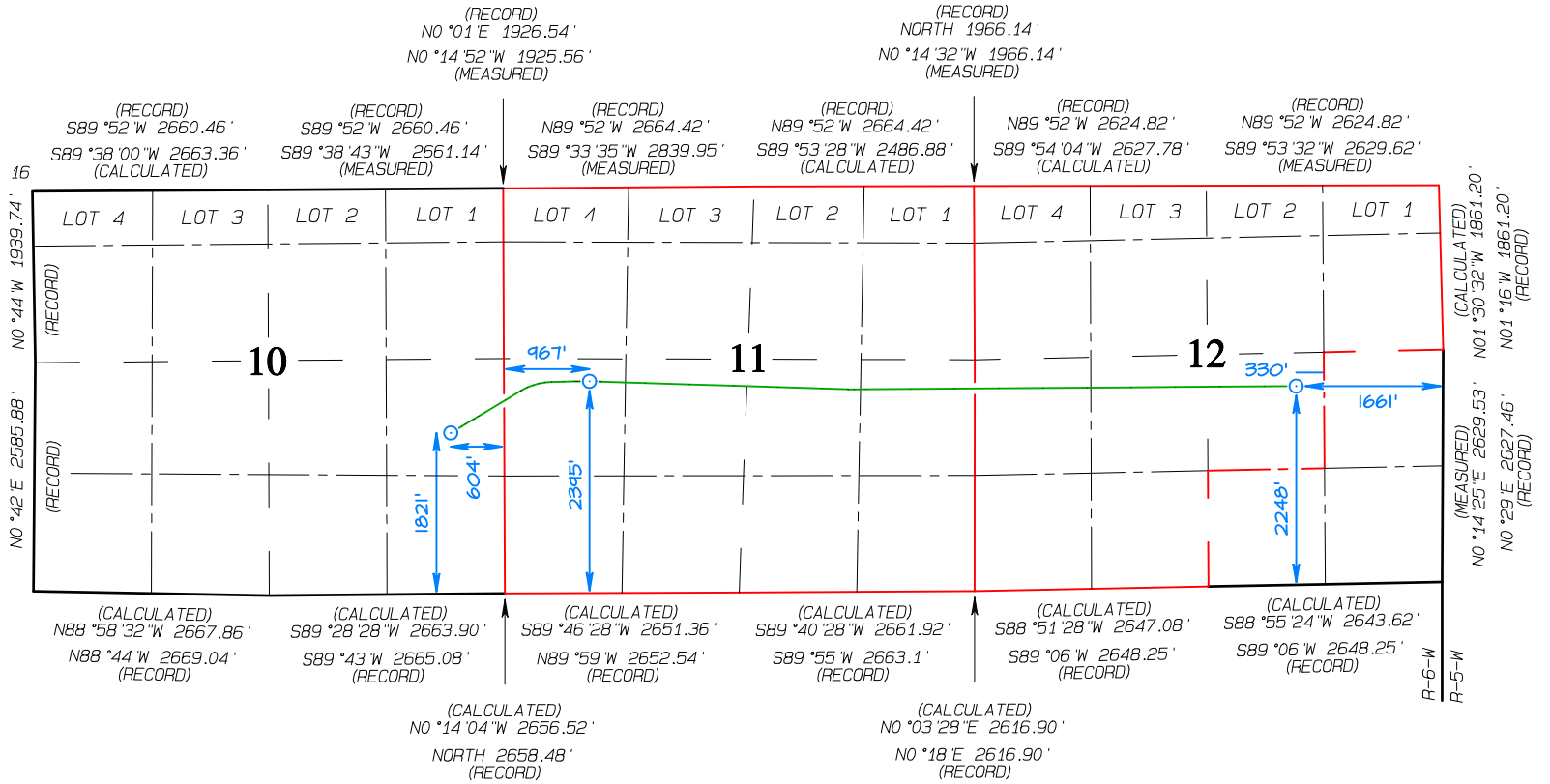
LAT: 36.992625 °N
LONG: 107.438200 °W
DATUM: NAD1983

FIRST TAKE POINT
2395' FSL 967' FWL
SEC 11, T32N, R6W
LAT: 36.994206 °N
LONG: 107.432215 °W
DATUM: NAD1927

LAT: 36.994211 °N
LONG: 107.432819 °W
DATUM: NAD1983

BOTTOM HOLE LOCATION
2248' FSL 1661' FEL
SEC 12, T32N, R6W
LAT: 36.993961 °N
LONG: 107.404845 °W
DATUM: NAD1927

LAT: 36.993967 °N
LONG: 107.405448 °W
DATUM: NAD1983



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OIL CONSERVATION DIVISION
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Santa Fe, NM 87505

Form C-102
Revised August 1, 2011

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☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

[1] API Number	[2] Pool Code	[3] Pool Name
30-045-38288	71629	BASIN FRIUTLAND COAL

[4] Property Code	[5] Property Name	[6] Well Number
333721	NAVAJO LAKE 32-6-11 (LATERAL 2)	1

[7] OGRID No.	[8] Operator Name	[9] Elevation
308973	CATAMOUNT ENERGY PARTNERS, LLC	6174'

[10] Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	10	32N	6W		1821	SOUTH	604	EAST	SAN JUAN

[11] Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	12	32N	6W		660	NORTH	330	EAST	RIO ARRIBA

[12] Dedicated Acres		[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
987.58	Entire Section 11 N/2, SW/4, NW/4 SE/4 Section 12			R-22434

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Nolan Redmond — Signature — 1/12/2023 — Date

Nolan Redmond — Printed Name

nredmond@catamountep.com — E-mail Address

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JASON C. EDWARDS
Certificate Number 15269

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LONG: 107.437596 °W
DATUM: NAD1927

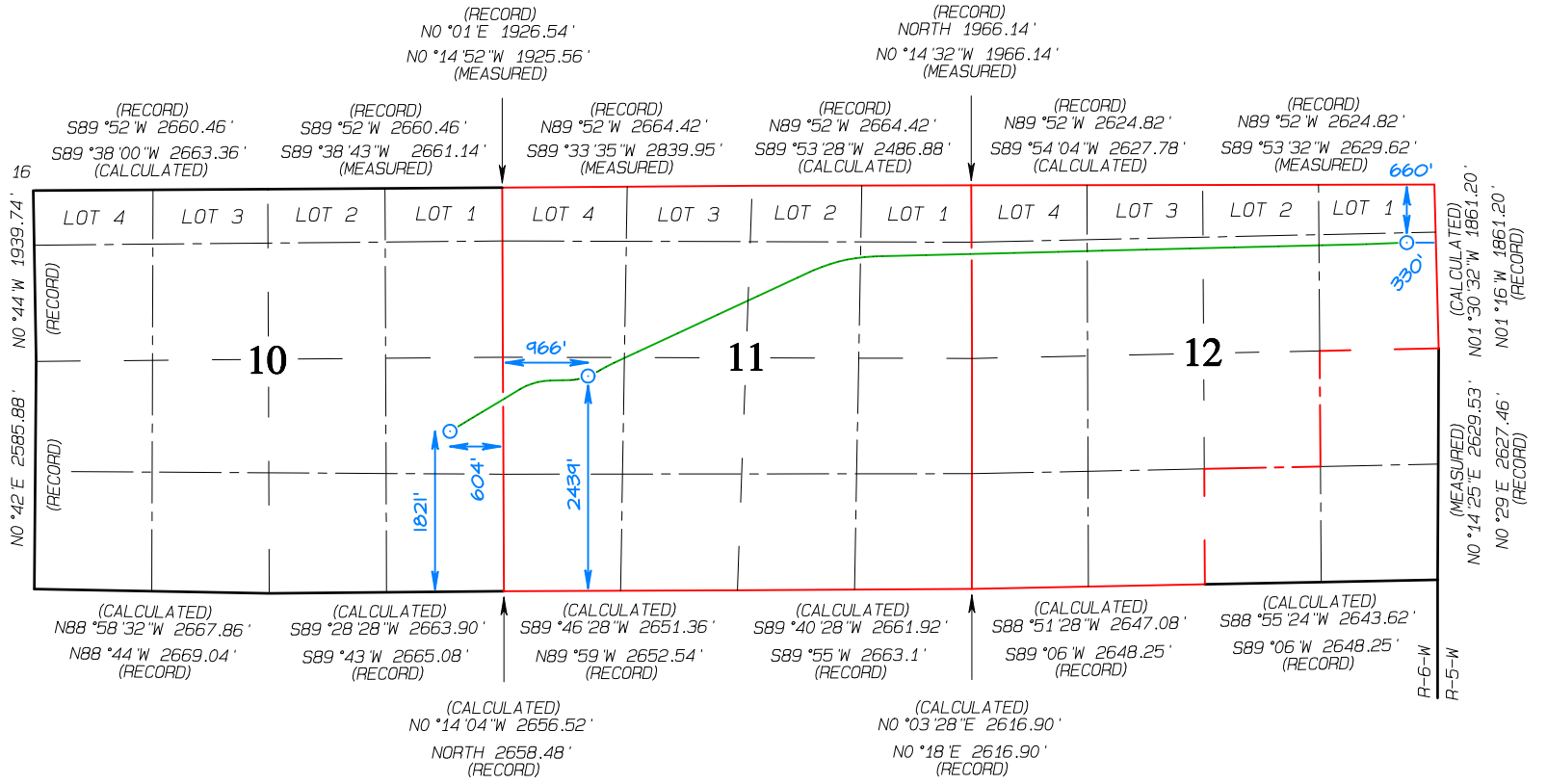
LAT: 36.992625 °N
LONG: 107.438200 °W
DATUM: NAD1983

FIRST TAKE POINT
2439' FSL 966' FWL
SEC 11, T32N, R6W
LAT: 36.994327 °N
LONG: 107.432220 °W
DATUM: NAD1927

LAT: 36.994332 °N
LONG: 107.432824 °W
DATUM: NAD1983

BOTTOM HOLE LOCATION
660' FNL 330' FWL
SEC 12, T32N, R6W
LAT: 36.998375 °N
LONG: 107.400364 °W
DATUM: NAD1927

LAT: 36.998381 °N
LONG: 107.400967 °W
DATUM: NAD1983



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[11] Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	12	32N	6W		660	SOUTH	2312	WEST	RIO ARRIBA

[12] Dedicated Acres		[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
987.58	Entire Section 11 N/2, SW/4, NW/4 SE/4 Section 12			R-22434

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Printed Name

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E-mail Address

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DATUM: NAD1927

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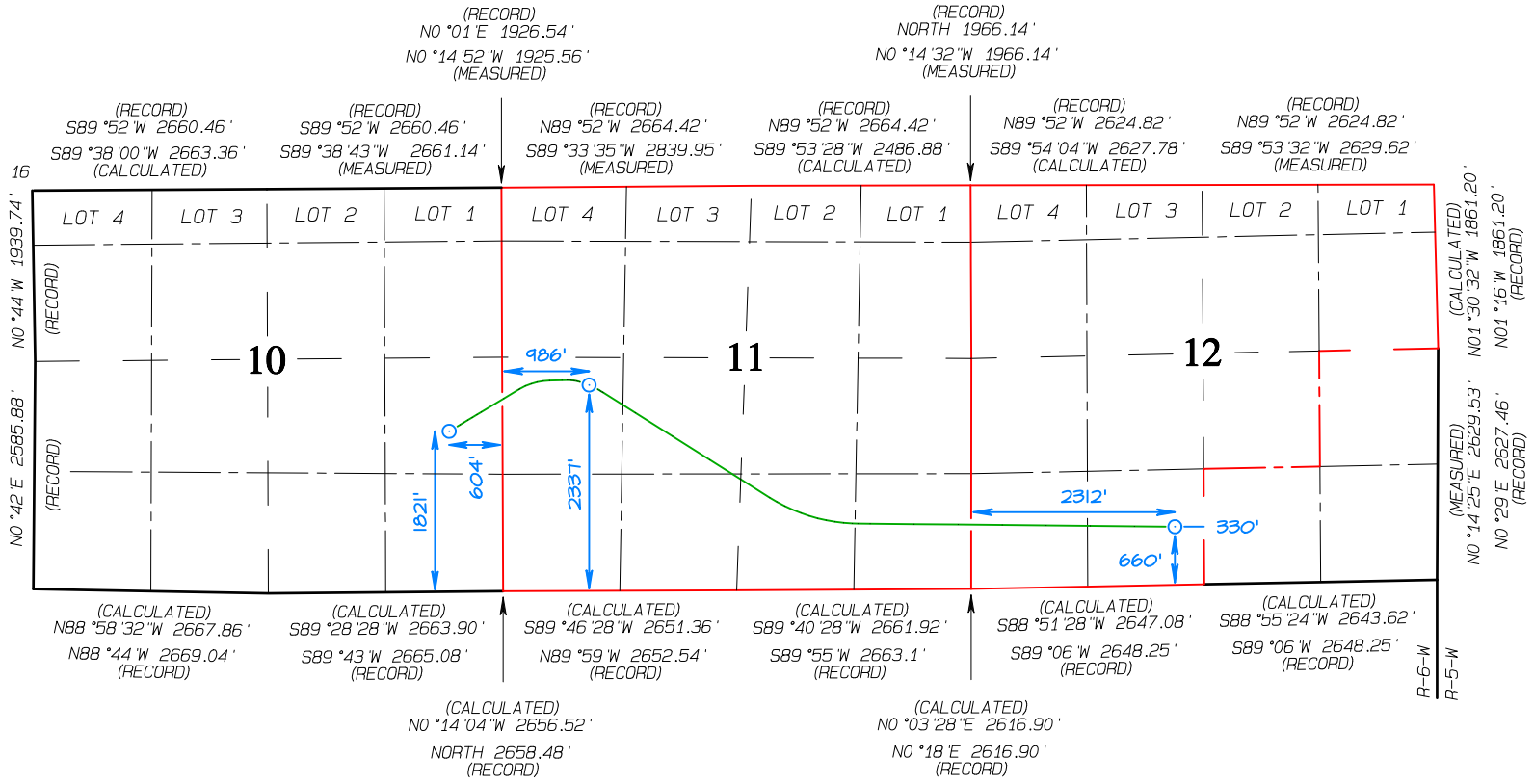
LONG: 107.438200 °W
DATUM: NAD1983

FIRST TAKE POINT
2337' FSL 986' FWL
SEC 11, T32N, R6W
LAT: 36.994046 °N
LONG: 107.432151 °W
DATUM: NAD1927

LAT: 36.994051 °N
LONG: 107.432755 °W
DATUM: NAD1983

BOTTOM HOLE LOCATION
660' FSL 2312' FWL
SEC 12, T32N, R6W
LAT: 36.989547 °N
LONG: 107.409406 °W
DATUM: NAD1927

LAT: 36.989552 °N
LONG: 107.410009 °W
DATUM: NAD1983



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Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

Form APD Comments

Permit 316136

PERMIT COMMENTS

Operator Name and Address:	API Number:
CATAMOUNT ENERGY PARTNERS LLC [308973] 600 17TH STREET STE 1400 S DENVER, CO 80202	30-045-38288
	Well: NAVAJO LAKE 32 6 11 #001

Created By	Comment	Comment Date
kpickford	NSP R-22434	1/20/2023

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State of New Mexico
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Santa Fe, NM 87505

Form APD Conditions

Permit 316136

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address:	API Number:
CATAMOUNT ENERGY PARTNERS LLC [308973] 600 17TH STREET STE 1400 S DENVER, CO 80202	30-045-38288
	Well: NAVAJO LAKE 32 6 11 #001

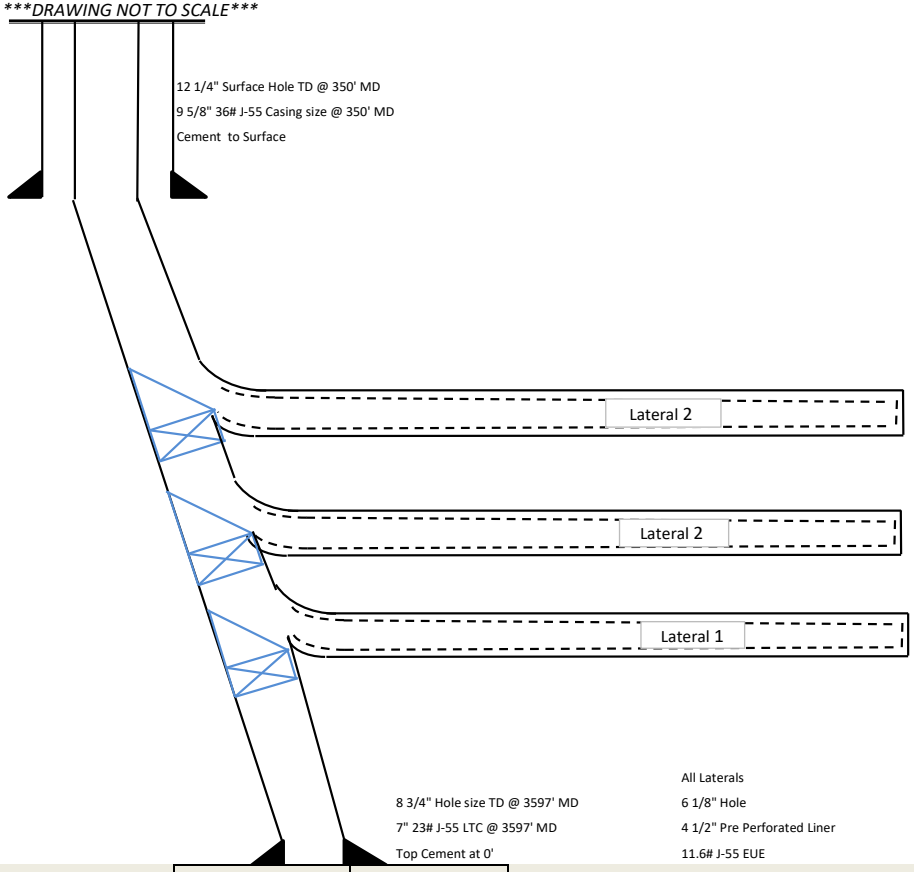
OCD Reviewer	Condition
kpickford	Will require a C-103A sundry changing the well number to include an 'H'
kpickford	“Please submit on a C-103X a description of the Operator’s plan to manage production in response to the increased line pressure
kpickford	Notify OCD 24 hours prior to casing & cement
kpickford	Will require a File As Drilled C-102 and a Directional Survey with the C-104
kpickford	The Operator is to notify NMOCD by sundry (Form C-103) within ten (10) days of the well being spud
kpickford	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string
kpickford	Cement is required to circulate on both surface and intermediate1 strings of casing
kpickford	Oil base muds are not to be used until fresh water zones are cased and cemented providing isolation from the oil or diesel. This includes synthetic oils. Oil based mud, drilling fluids and solids must be contained in a steel closed loop system

Navajo Lake 32-6-11 1

Proposed Lateral WBD

****DRAWING NOT TO SCALE****

State: New Mexico
County: San Juan
API:
GL: 6174
KB: 6188



Well/Lateral Name	Top of Window	Base Of Window	Bridge Plug	KOP Method	KOP (MD)	KOP (TVD)	First Take Point	Total Depth TD (MD)	Total Depth TD (TVD)	Liner Bottom	Liner Top	Last Take Point	Proposed BHL
Pilot Hole	*N/A*	*N/A*	*N/A*	*Bent housing*	*450*	*450*	*N/A**	*3597.0*	*2900.0*	*N/A*	*N/A*	*N/A*	*2401 FSL & 1097 FWL*
Lateral #1	3153.0	3162.0	3178.0	Whip stock	3160	2607	*967 FWL & 2395 FSL S11 T32N R6W*	11365.0	2712.0	11360.0	3170.0	2248' FSL & 1661' FEL	2248' FSL & 1661' FEL
Lateral #2	3113.0	3122.0	3138.0	Whip stock	3120	2552	*966 FWL & 2439 FSL S11 T32N R6W*	13135.0	2712.0	13130.0	3130.0	660' FNL & 330' FEL	660' FNL & 330' FEL
Lateral #3	3073.0	3082.0	3098.0	Whip stock	3080	2524	*986 FWL & 2337 FSL S11 T32N R6W*	10462.0	2712.0	10457.0	3090.0	660' FSL & 2312' FWL	660' FSL & 2312' FWL

*No Perfs in Pilot Hole
**Surface Hole Location

Navajo Lake 1-11, Navajo Lake 11-1 L1

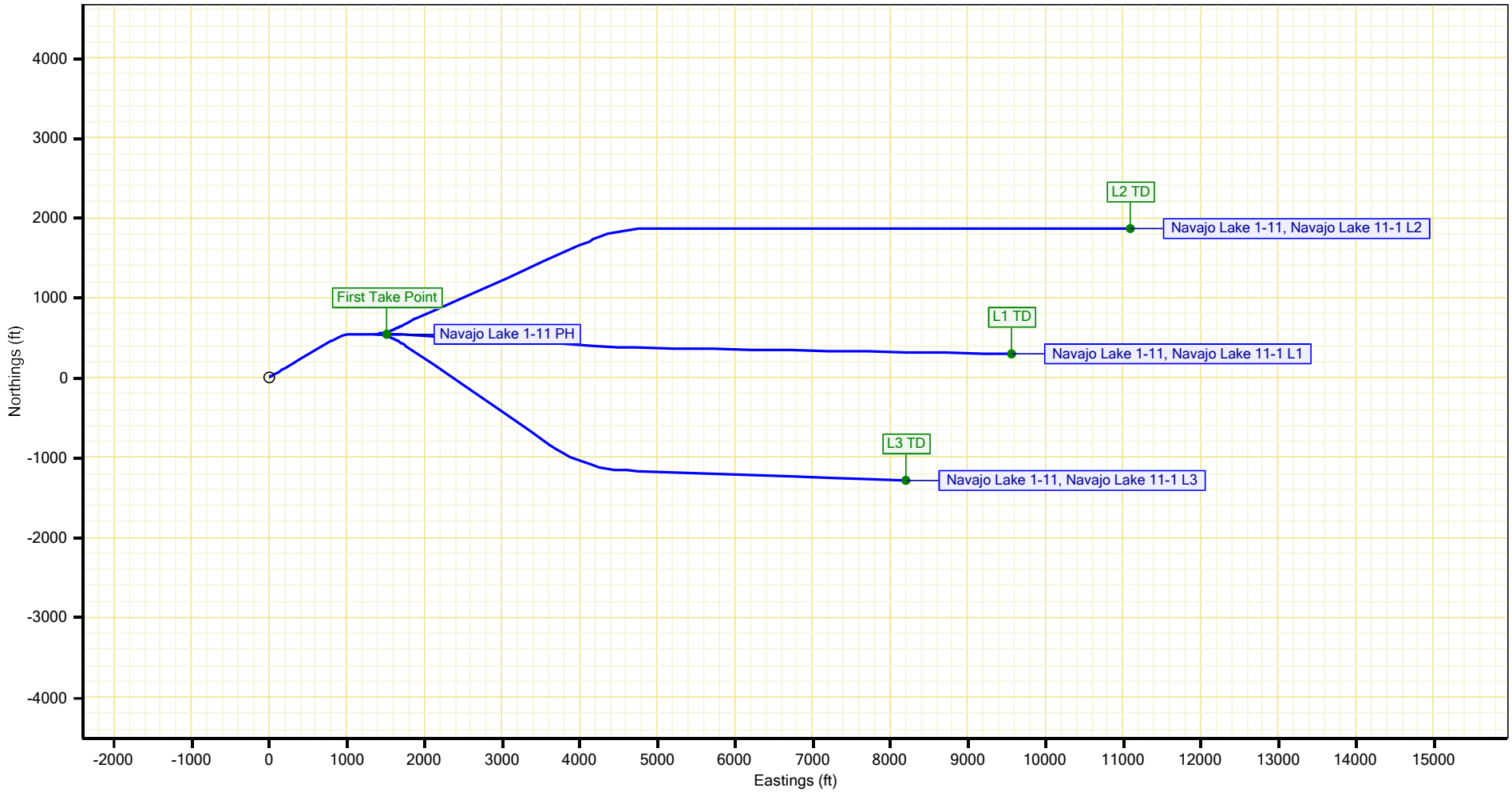
Catamount Energy Partners
Proposal Report

CATAMOUNT
ENERGY PARTNERS

CATAMOUNT ENERGY PARTNERS

Navajo Lake

Navajo Lake 1-11



CATAMOUNT ENERGY PARTNERS

Navajo Lake

Navajo Lake 1-11

Catamount Energy Partners
Proposal Report

Database:	San Juan Basin	**Local Coordinate Reference:**	Navajo Lake 1-11
Company:		**TVD Reference:**	Navajo Lake 1-11
Project:	Navajo Lake	**MD Reference:**	Navajo Lake 1-11
Site:	Navajo Lake	**North reference:**	Grid North
Well:	Navajo Lake 1-11	**Survey Calculation Method:**	Minimum Curvature
Wellbore:			
Proposal:	Navajo Lake 11-1 L1		

Project	Navajo Lake		
Map System:	NAD83 Colorado State Planes	**System Datum:**	Mean Sea Level
Geo Datum:	NAD 1983		
Map Zone:	Southern Zone		

Site	Navajo Lake				
Site Position:		**Northing:**	1124562.44 N	**Latitude:**	36.992625° N
From:	Map	**Easting:**	2433939.10 E	**Longitude:**	107.438200° W
Position Uncertainty:	0.00ft	**Slot Radius:**	0in	**Grid Convergence:**	-1.19°

Well	Navajo Lake 1-11				
Well Position: **+N/-S**	0.00ft	**Northing:**	1124562.44 N	**Latitude:**	36.992625° N
+E/-W	0.00ft	**Easting:**	2433939.10 E	**Longitude:**	107.438200° W
Position Uncertainty:	1.00ft	**Wellhead Elevation:**	6189.00ft	**Ground Level:**	6174.00ft

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	USER DEFINED	11/30/2021	0.00	0.00	0.0

Proposal	Navajo Lake 11-1 L1				
Audit Notes:					
Version:		**Phase:**		**Tie On Depth:**	3160.00ft

Vertical Section:	Depth from TVD (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.00	0.00	0.00	88.25

Survey Program **1/3/2023**

From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
0.00	9865.00	Navajo Lake 1-11 PH	MWD	MWD
9865.00	11364.96	Navajo Lake 11-1 L1	MWD	MWD

Plan Sections

Measured Depth (ft)	nclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
3160.00	45.40	90.00	2579.87	548.13	1407.48					
3498.16	90.00	93.20	2705.00	538.18	1712.30	13.2	13.2	0.9	4.55	
3499.90	89.95	93.21	2705.00	538.08	1714.04	3.0	-2.9	0.7	166.73	
6291.23	89.95	93.21	2707.47	381.68	4500.98	0.0	0.0	0.0	0.00	
6364.96	89.95	91.00	2707.53	378.97	4574.66	3.0	0.0	-3.0	-90.02	
11364.96	89.95	91.00	2712.00	291.71	9573.90	0.0	0.0	0.0	0.00	L1 TD

Planned Survey

Measured Depth (ft)	Incl. (°)	Az. (°)	Vertical Depth (ft)	Sub Sea Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Closure Distance (ft)	Closure Azimuth (°)	Dogleg Rate (°/100ft)	Comments/ Formations
0.00	0.00	0.00	0.00	-12363.00	0.00	0.00	0.00	0.00	0.00	0.0	MWD
100.00	0.00	0.00	100.00	-12263.00	0.00	0.00	0.00	0.00	0.00	0.0	
200.00	0.00	0.00	200.00	-12163.00	0.00	0.00	0.00	0.00	0.00	0.0	
300.00	0.00	0.00	300.00	-12063.00	0.00	0.00	0.00	0.00	0.00	0.0	
400.00	0.00	0.00	400.00	-11963.00	0.00	0.00	0.00	0.00	0.00	0.0	

Catamount Energy Partners
Proposal Report

Database:	San Juan Basin	**Local Coordinate Reference:**	Navajo Lake 1-11
Company:		**TVD Reference:**	Navajo Lake 1-11
Project:	Navajo Lake	**MD Reference:**	Navajo Lake 1-11
Site:	Navajo Lake	**North reference:**	Grid North
Well:	Navajo Lake 1-11	**Survey Calculation Method:**	Minimum Curvature
Wellbore:			
Proposal:	Navajo Lake 11-1 L1		

Planned Survey

Measured Depth (ft)	Incl. (°)	Az. (°)	Vertical Depth (ft)	Sub Sea Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Closure Distance (ft)	Closure Azimuth (°)	Dogleg Rate (°/100ft)	Comments/ Formations
450.00	0.00	0.00	450.00	-11913.00	0.00	0.00	0.00	0.00	0.00	0.0	
500.00	2.00	60.38	499.99	-11863.01	0.43	0.76	0.77	0.87	60.38	4.0	
600.00	6.00	60.38	599.73	-11763.27	3.88	6.82	6.94	7.85	60.38	4.0	
700.00	10.00	60.38	698.73	-11664.27	10.75	18.92	19.24	21.76	60.38	4.0	
800.00	14.00	60.38	796.53	-11566.47	21.03	36.99	37.61	42.55	60.38	4.0	
900.00	18.00	60.38	892.63	-11470.37	34.65	60.95	61.97	70.11	60.38	4.0	
1000.00	22.00	60.38	986.58	-11376.42	51.54	90.68	92.20	104.30	60.38	4.0	
1100.00	26.00	60.38	1077.92	-11285.08	71.64	126.03	128.15	144.97	60.38	4.0	
1200.00	30.00	60.38	1166.20	-11196.80	94.84	166.83	169.64	191.90	60.38	4.0	
1300.00	34.00	60.38	1250.98	-11112.02	121.02	212.89	216.48	244.89	60.38	4.0	
1400.00	38.00	60.38	1331.87	-11031.13	150.06	263.98	268.43	303.65	60.38	4.0	
1500.00	42.00	60.38	1408.46	-10954.54	181.82	319.85	325.24	367.92	60.38	4.0	
1585.19	45.41	60.38	1470.03	-10892.97	210.90	371.01	377.26	426.77	60.38	4.0	
1600.00	45.41	60.38	1480.43	-10882.57	216.12	380.18	386.59	437.32	60.38	0.0	
1700.00	45.41	60.38	1550.64	-10812.36	251.31	442.09	449.54	508.53	60.38	0.0	
1800.00	45.41	60.38	1620.85	-10742.15	286.50	504.00	512.49	579.74	60.38	0.0	
1900.00	45.41	60.38	1691.05	-10671.95	321.69	565.91	575.44	650.95	60.38	0.0	
2000.00	45.41	60.38	1761.26	-10601.74	356.88	627.82	638.39	722.16	60.38	0.0	
2100.00	45.41	60.38	1831.46	-10531.54	392.08	689.73	701.35	793.37	60.38	0.0	
2200.00	45.41	60.38	1901.67	-10461.33	427.27	751.63	764.30	864.59	60.38	0.0	
2278.31	45.41	60.38	1956.65	-10406.35	454.83	800.11	813.60	920.35	60.38	0.0	
2300.00	45.26	61.58	1971.90	-10391.10	462.31	813.60	827.31	935.78	60.39	4.0	
2400.00	44.72	67.19	2042.65	-10320.35	492.86	877.29	891.90	1006.26	60.67	4.0	
2500.00	44.46	72.88	2113.90	-10249.10	516.81	943.22	958.52	1075.53	61.28	4.0	
2600.00	44.49	78.59	2185.28	-10177.72	534.06	1011.06	1026.86	1143.44	62.16	4.0	
2700.00	44.79	84.27	2256.46	-10106.54	544.51	1080.48	1096.57	1209.93	63.25	4.0	
2800.00	45.38	89.86	2327.09	-10035.91	548.12	1151.16	1167.31	1274.99	64.54	4.0	
2802.60	45.40	90.00	2328.92	-10034.08	548.13	1153.01	1169.17	1276.66	64.57	4.0	
2900.00	45.40	90.00	2397.31	-9965.69	548.13	1222.36	1238.48	1339.63	65.85	0.0	
3000.00	45.40	90.00	2467.53	-9895.47	548.13	1293.56	1309.65	1404.90	67.04	0.0	
3100.00	45.40	90.00	2537.74	-9825.26	548.13	1364.76	1380.82	1470.72	68.12	0.0	
3160.00	45.40	90.00	2579.87	-9783.13	548.13	1407.48	1423.52	1510.45	68.72	0.0	
3200.00	50.67	90.54	2606.61	-9756.39	547.98	1437.22	1453.24	1538.14	69.13	13.2	
3300.00	63.86	91.61	2660.57	-9702.43	546.35	1521.13	1537.06	1616.27	70.24	13.2	
3400.00	77.05	92.45	2693.95	-9669.05	542.99	1615.10	1630.88	1703.93	71.42	13.2	
3498.16	90.00	93.20	2705.00	-9658.00	538.18	1712.30	1727.90	1794.89	72.55	13.2	
3499.90	89.95	93.21	2705.00	-9658.00	538.08	1714.04	1729.63	1796.51	72.57	3.0	
3500.00	89.95	93.21	2705.00	-9658.00	538.07	1714.14	1729.73	1796.61	72.57	0.0	
3600.00	89.95	93.21	2705.09	-9657.91	532.47	1813.98	1829.36	1890.52	73.64	0.0	
3700.00	89.95	93.21	2705.18	-9657.82	526.87	1913.83	1928.98	1985.02	74.61	0.0	
3800.00	89.95	93.21	2705.27	-9657.73	521.27	2013.67	2028.61	2080.04	75.49	0.0	
3900.00	89.95	93.21	2705.35	-9657.65	515.66	2113.51	2128.24	2175.51	76.29	0.0	
4000.00	89.95	93.21	2705.44	-9657.56	510.06	2213.35	2227.86	2271.36	77.02	0.0	
4100.00	89.95	93.21	2705.53	-9657.47	504.46	2313.20	2327.49	2367.56	77.70	0.0	
4200.00	89.95	93.21	2705.62	-9657.38	498.85	2413.04	2427.11	2464.07	78.32	0.0	
4300.00	89.95	93.21	2705.71	-9657.29	493.25	2512.88	2526.74	2560.84	78.89	0.0	
4400.00	89.95	93.21	2705.80	-9657.20	487.65	2612.73	2626.37	2657.84	79.43	0.0	
4500.00	89.95	93.21	2705.88	-9657.12	482.04	2712.57	2725.99	2755.07	79.92	0.0	
4600.00	89.95	93.21	2705.97	-9657.03	476.44	2812.41	2825.62	2852.48	80.38	0.0	
4700.00	89.95	93.21	2706.06	-9656.94	470.84	2912.25	2925.24	2950.07	80.82	0.0	

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Site:	Navajo Lake	**North reference:**	Grid North
Well:	Navajo Lake 1-11	**Survey Calculation Method:**	Minimum Curvature
Wellbore:			
Proposal:	Navajo Lake 11-1 L1		

Planned Survey

Measured Depth (ft)	Incl. (°)	Az. (°)	Vertical Depth (ft)	Sub Sea Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Closure Distance (ft)	Closure Azimuth (°)	Dogleg Rate (°/100ft)	Comments/ Formations
4800.00	89.95	93.21	2706.15	-9656.85	465.24	3012.10	3024.87	3047.81	81.22	0.0	
4900.00	89.95	93.21	2706.24	-9656.76	459.63	3111.94	3124.49	3145.70	81.60	0.0	
5000.00	89.95	93.21	2706.33	-9656.67	454.03	3211.78	3224.12	3243.72	81.95	0.0	
5100.00	89.95	93.21	2706.41	-9656.59	448.43	3311.63	3323.75	3341.85	82.29	0.0	
5200.00	89.95	93.21	2706.50	-9656.50	442.82	3411.47	3423.37	3440.09	82.60	0.0	
5300.00	89.95	93.21	2706.59	-9656.41	437.22	3511.31	3523.00	3538.43	82.90	0.0	
5400.00	89.95	93.21	2706.68	-9656.32	431.62	3611.15	3622.62	3636.86	83.18	0.0	
5500.00	89.95	93.21	2706.77	-9656.23	426.02	3711.00	3722.25	3735.37	83.45	0.0	
5600.00	89.95	93.21	2706.86	-9656.14	420.41	3810.84	3821.88	3833.96	83.70	0.0	
5700.00	89.95	93.21	2706.95	-9656.05	414.81	3910.68	3921.50	3932.62	83.95	0.0	
5800.00	89.95	93.21	2707.03	-9655.97	409.21	4010.53	4021.13	4031.35	84.17	0.0	
5900.00	89.95	93.21	2707.12	-9655.88	403.60	4110.37	4120.75	4130.14	84.39	0.0	
6000.00	89.95	93.21	2707.21	-9655.79	398.00	4210.21	4220.38	4228.98	84.60	0.0	
6100.00	89.95	93.21	2707.30	-9655.70	392.40	4310.05	4320.01	4327.88	84.80	0.0	
6200.00	89.95	93.21	2707.39	-9655.61	386.79	4409.90	4419.63	4426.83	84.99	0.0	
6291.23	89.95	93.21	2707.47	-9655.53	381.68	4500.98	4510.52	4517.14	85.15	0.0	
6300.00	89.95	92.95	2707.48	-9655.52	381.21	4509.74	4519.26	4525.82	85.17	3.0	
6364.96	89.95	91.00	2707.53	-9655.47	378.97	4574.66	4584.08	4590.33	85.26	3.0	
6400.00	89.95	91.00	2707.56	-9655.44	378.36	4609.69	4619.08	4625.20	85.31	0.0	
6500.00	89.95	91.00	2707.65	-9655.35	376.62	4709.68	4718.96	4724.71	85.43	0.0	
6600.00	89.95	91.00	2707.74	-9655.26	374.87	4809.66	4818.85	4824.25	85.54	0.0	
6700.00	89.95	91.00	2707.83	-9655.17	373.13	4909.65	4918.73	4923.81	85.65	0.0	
6800.00	89.95	91.00	2707.92	-9655.08	371.38	5009.63	5018.62	5023.38	85.76	0.0	
6900.00	89.95	91.00	2708.01	-9654.99	369.64	5109.62	5118.51	5122.97	85.86	0.0	
7000.00	89.95	91.00	2708.10	-9654.90	367.89	5209.60	5218.39	5222.58	85.96	0.0	
7100.00	89.95	91.00	2708.19	-9654.81	366.15	5309.59	5318.28	5322.20	86.06	0.0	
7200.00	89.95	91.00	2708.28	-9654.72	364.40	5409.57	5418.16	5421.83	86.15	0.0	
7300.00	89.95	91.00	2708.37	-9654.63	362.66	5509.56	5518.05	5521.48	86.23	0.0	
7400.00	89.95	91.00	2708.46	-9654.54	360.91	5609.54	5617.93	5621.14	86.32	0.0	
7500.00	89.95	91.00	2708.55	-9654.45	359.16	5709.53	5717.82	5720.81	86.40	0.0	
7600.00	89.95	91.00	2708.64	-9654.36	357.42	5809.51	5817.70	5820.50	86.48	0.0	
7700.00	89.95	91.00	2708.73	-9654.27	355.67	5909.50	5917.59	5920.19	86.56	0.0	
7800.00	89.95	91.00	2708.82	-9654.18	353.93	6009.48	6017.47	6019.89	86.63	0.0	
7900.00	89.95	91.00	2708.90	-9654.10	352.18	6109.47	6117.36	6119.61	86.70	0.0	
8000.00	89.95	91.00	2708.99	-9654.01	350.44	6209.45	6217.24	6219.33	86.77	0.0	
8100.00	89.95	91.00	2709.08	-9653.92	348.69	6309.43	6317.13	6319.06	86.84	0.0	
8200.00	89.95	91.00	2709.17	-9653.83	346.95	6409.42	6417.01	6418.80	86.90	0.0	
8300.00	89.95	91.00	2709.26	-9653.74	345.20	6509.40	6516.90	6518.55	86.96	0.0	
8400.00	89.95	91.00	2709.35	-9653.65	343.46	6609.39	6616.78	6618.31	87.03	0.0	
8500.00	89.95	91.00	2709.44	-9653.56	341.71	6709.37	6716.67	6718.07	87.08	0.0	
8600.00	89.95	91.00	2709.53	-9653.47	339.97	6809.36	6816.55	6817.84	87.14	0.0	
8700.00	89.95	91.00	2709.62	-9653.38	338.22	6909.34	6916.44	6917.62	87.20	0.0	
8800.00	89.95	91.00	2709.71	-9653.29	336.48	7009.33	7016.32	7017.40	87.25	0.0	
8900.00	89.95	91.00	2709.80	-9653.20	334.73	7109.31	7116.21	7117.19	87.30	0.0	
9000.00	89.95	91.00	2709.89	-9653.11	332.99	7209.30	7216.09	7216.98	87.36	0.0	
9100.00	89.95	91.00	2709.98	-9653.02	331.24	7309.28	7315.98	7316.78	87.41	0.0	
9200.00	89.95	91.00	2710.07	-9652.93	329.50	7409.27	7415.86	7416.59	87.45	0.0	
9300.00	89.95	91.00	2710.16	-9652.84	327.75	7509.25	7515.75	7516.40	87.50	0.0	
9400.00	89.95	91.00	2710.24	-9652.76	326.00	7609.24	7615.64	7616.22	87.55	0.0	
9500.00	89.95	91.00	2710.33	-9652.67	324.26	7709.22	7715.52	7716.04	87.59	0.0	

Catamount Energy Partners
Proposal Report

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Project:	Navajo Lake	**MD Reference:**	Navajo Lake 1-11
Site:	Navajo Lake	**North reference:**	Grid North
Well:	Navajo Lake 1-11	**Survey Calculation Method:**	Minimum Curvature
Wellbore:			
Proposal:	Navajo Lake 11-1 L1		

Planned Survey

Measured Depth (ft)	Incl. (°)	Az. (°)	Vertical Depth (ft)	Sub Sea Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Closure Distance (ft)	Closure Azimuth (°)	Dogleg Rate (°/100ft)	Comments/ Formations
9600.00	89.95	91.00	2710.42	-9652.58	322.51	7809.21	7815.41	7815.86	87.64	0.0	
9700.00	89.95	91.00	2710.51	-9652.49	320.77	7909.19	7915.29	7915.69	87.68	0.0	
9800.00	89.95	91.00	2710.60	-9652.40	319.02	8009.18	8015.18	8015.53	87.72	0.0	
9865.00	89.95	91.00	2710.66	-9652.34	317.89	8074.17	8080.10	8080.42	87.75	0.0	MWD
9900.00	89.95	91.00	2710.69	-9652.31	317.28	8109.16	8115.06	8115.36	87.76	0.0	
10000.00	89.95	91.00	2710.78	-9652.22	315.53	8209.14	8214.95	8215.21	87.80	0.0	
10100.00	89.95	91.00	2710.87	-9652.13	313.79	8309.13	8314.83	8315.05	87.84	0.0	
10200.00	89.95	91.00	2710.96	-9652.04	312.04	8409.11	8414.72	8414.90	87.87	0.0	
10300.00	89.95	91.00	2711.05	-9651.95	310.30	8509.10	8514.60	8514.75	87.91	0.0	
10400.00	89.95	91.00	2711.14	-9651.86	308.55	8609.08	8614.49	8614.61	87.95	0.0	
10500.00	89.95	91.00	2711.23	-9651.77	306.81	8709.07	8714.37	8714.47	87.98	0.0	
10600.00	89.95	91.00	2711.32	-9651.68	305.06	8809.05	8814.26	8814.33	88.02	0.0	
10700.00	89.95	91.00	2711.41	-9651.59	303.32	8909.04	8914.14	8914.20	88.05	0.0	
10800.00	89.95	91.00	2711.50	-9651.50	301.57	9009.02	9014.03	9014.07	88.08	0.0	
10900.00	89.95	91.00	2711.58	-9651.42	299.83	9109.01	9113.91	9113.94	88.11	0.0	
11000.00	89.95	91.00	2711.67	-9651.33	298.08	9208.99	9213.80	9213.81	88.15	0.0	
11100.00	89.95	91.00	2711.76	-9651.24	296.34	9308.98	9313.68	9313.69	88.18	0.0	
11200.00	89.95	91.00	2711.85	-9651.15	294.59	9408.96	9413.57	9413.57	88.21	0.0	
11300.00	89.95	91.00	2711.94	-9651.06	292.85	9508.95	9513.45	9513.45	88.24	0.0	
11364.96	89.95	91.00	2712.00	-9651.00	291.71	9573.90	9578.34	9578.34	88.25	0.0	L1 TD

Targets

Target Name -hit/miss target -Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
L1 TD - proposal hits the target center - Point			2712.00	291.71	9573.90	1124854.15 N	2443513.00 E	36.99396700° N	107.40544800° W

Checked By:	Approved By:	Date:

Disclaimer Notice

Catamount Energy Partners makes no warranty of any kind with respect to the subject matter included herein or the completeness or accuracy of this document.

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Navajo Lake 1-11, Navajo Lake 11-1 L2

Catamount Energy Partners
Proposal Report

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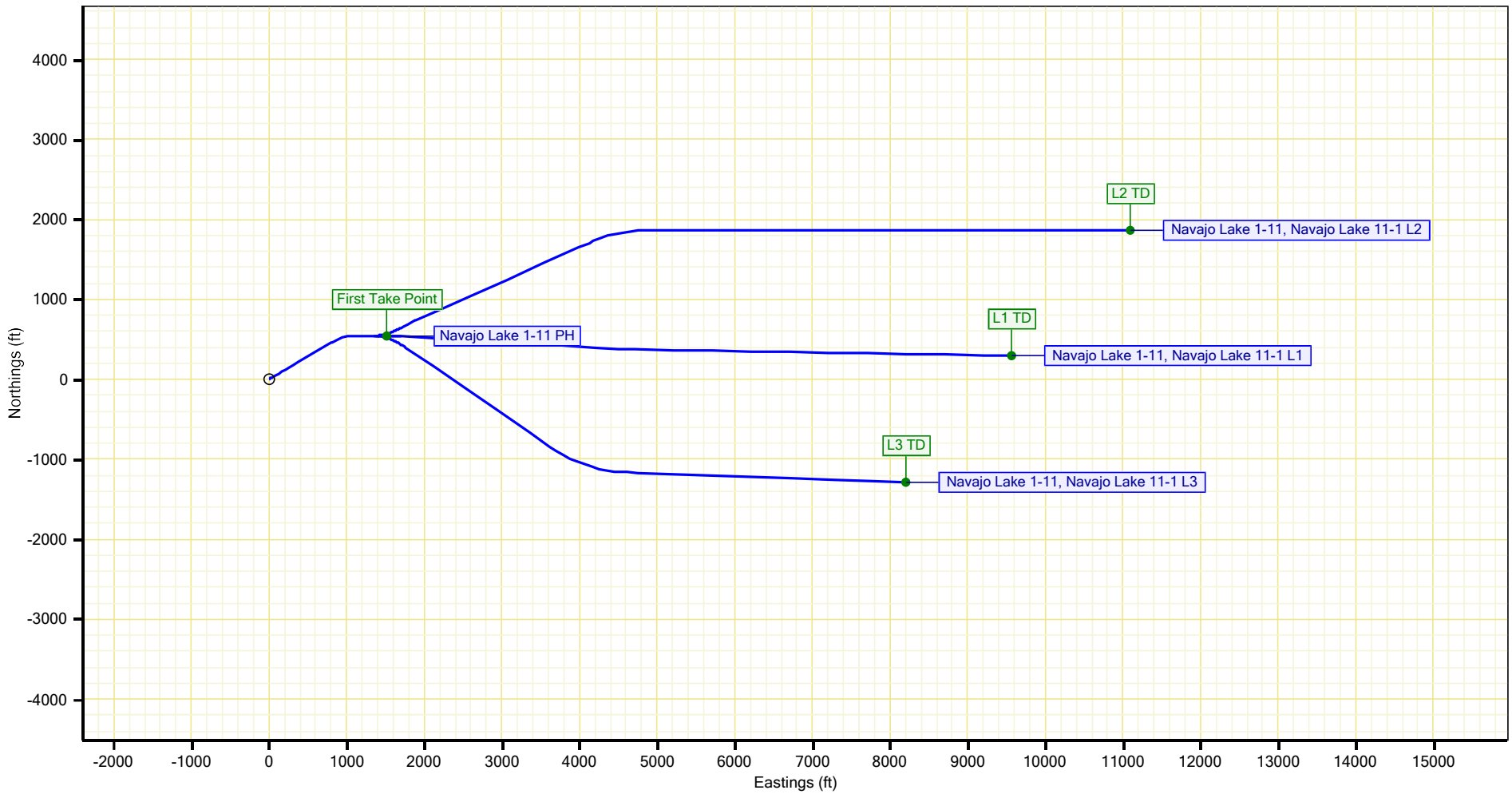
Navajo Lake

Navajo Lake 1-11



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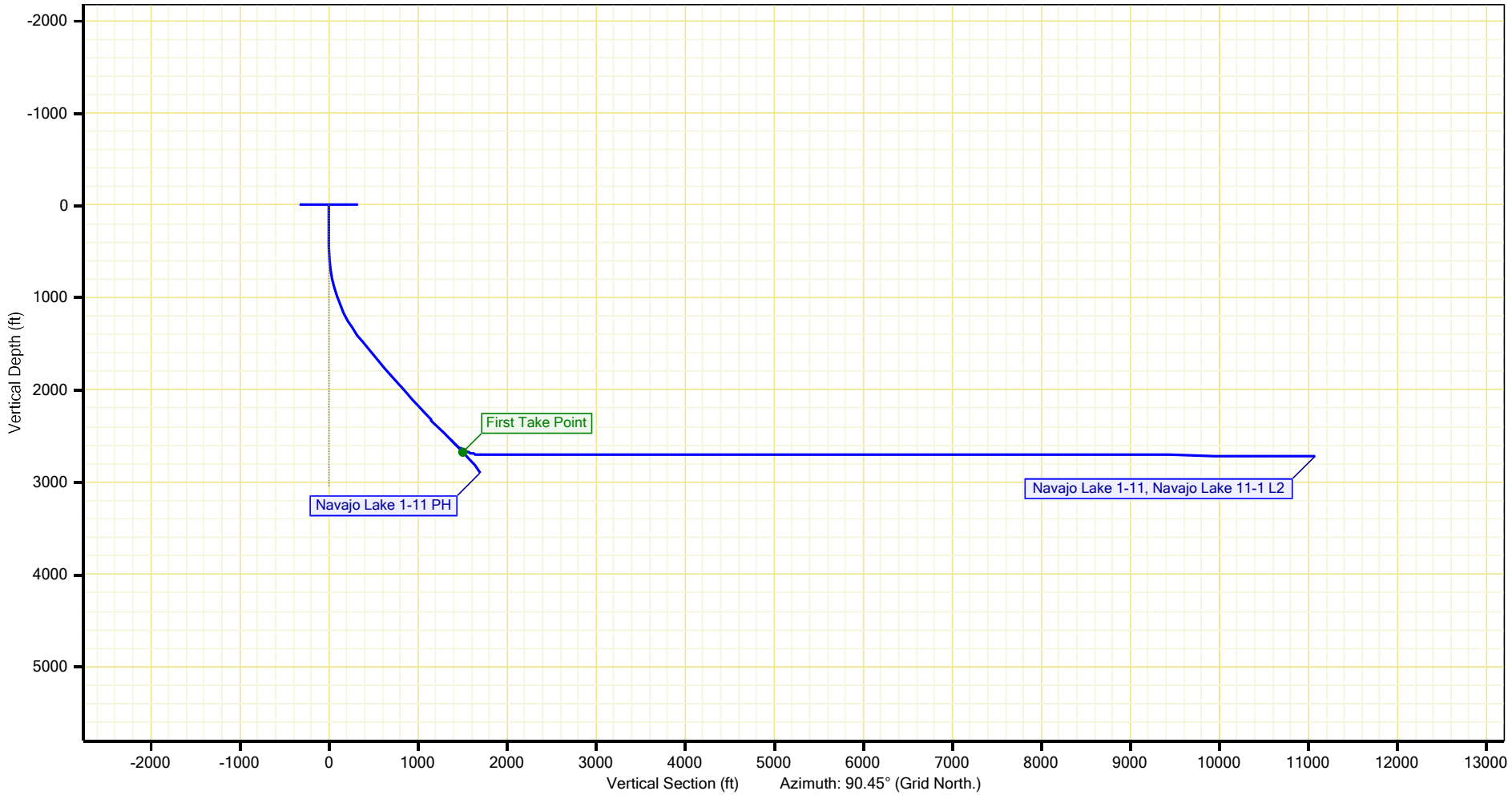
Navajo Lake

Navajo Lake 1-11



Catamount Energy Partners
Proposal Report

Database:	San Juan Basin	**Local Coordinate Reference:**	Navajo Lake 1-11
Company:		**TVD Reference:**	Navajo Lake 1-11
Project:	Navajo Lake	**MD Reference:**	Navajo Lake 1-11
Site:	Navajo Lake	**North reference:**	Grid North
Well:	Navajo Lake 1-11	**Survey Calculation Method:**	Minimum Curvature
Wellbore:			
Proposal:	Navajo Lake 11-1 L2		

Project	Navajo Lake		
Map System:	NAD83 Colorado State Planes	**System Datum:**	Mean Sea Level
Geo Datum:	NAD 1983		
Map Zone:	Southern Zone		

Site	Navajo Lake				
Site Position:		**Northing:**	1124562.44 N	**Latitude:**	36.992625° N
From:	Map	**Easting:**	2433939.10 E	**Longitude:**	107.438200° W
Position Uncertainty:	0.00ft	**Slot Radius:**	0in	**Grid Convergence:**	-1.19°

Well	Navajo Lake 1-11				
Well Position: **+N/-S**	0.00ft	**Northing:**	1124562.44 N	**Latitude:**	36.992625° N
+E/-W	0.00ft	**Easting:**	2433939.10 E	**Longitude:**	107.438200° W
Position Uncertainty:	1.00ft	**Wellhead Elevation:**	6189.00ft	**Ground Level:**	6174.00ft

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	USER DEFINED	11/30/2021	0.00	0.00	0.0

Proposal	Navajo Lake 11-1 L2				
Audit Notes:					
Version:		**Phase:**		**Tie On Depth:**	3120.00ft

Vertical Section:	Depth from TVD (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.00	0.00	0.00	80.45

Survey Program **1/3/2023**

From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
0.00	9865.00	Navajo Lake 1-11 PH	MWD	MWD
9865.00	13135.42	Navajo Lake 11-1 L2	MWD	MWD

Plan Sections

Measured Depth (ft)	nclinatior (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
3120.00	45.40	90.00	2551.78	548.13	1379.00					
3526.65	90.00	61.00	2705.00	653.91	1725.22	12.7	11.0	-7.1	-38.29	
3710.84	89.96	66.53	2705.07	735.31	1890.37	3.0	0.0	3.0	90.43	
6152.94	89.96	66.53	2706.82	1708.10	4130.35	0.0	0.0	0.0	0.00	
6935.42	89.96	90.00	2707.40	1866.16	4891.13	3.0	0.0	3.0	90.01	
13135.42	89.96	90.00	2712.00	1866.16	11091.13	0.0	0.0	0.0	0.00	L2 TD

Planned Survey

Measured Depth (ft)	Incl. (°)	Az. (°)	Vertical Depth (ft)	Sub Sea Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Closure Distance (ft)	Closure Azimuth (°)	Dogleg Rate (°/100ft)	Comments/ Formations
0.00	0.00	0.00	0.00	-12363.00	0.00	0.00	0.00	0.00	0.00	0.0	MWD
100.00	0.00	0.00	100.00	-12263.00	0.00	0.00	0.00	0.00	0.00	0.0	
200.00	0.00	0.00	200.00	-12163.00	0.00	0.00	0.00	0.00	0.00	0.0	
300.00	0.00	0.00	300.00	-12063.00	0.00	0.00	0.00	0.00	0.00	0.0	
400.00	0.00	0.00	400.00	-11963.00	0.00	0.00	0.00	0.00	0.00	0.0	

Catamount Energy Partners
Proposal Report

Database:	San Juan Basin	**Local Coordinate Reference:**	Navajo Lake 1-11
Company:		**TVD Reference:**	Navajo Lake 1-11
Project:	Navajo Lake	**MD Reference:**	Navajo Lake 1-11
Site:	Navajo Lake	**North reference:**	Grid North
Well:	Navajo Lake 1-11	**Survey Calculation Method:**	Minimum Curvature
Wellbore:			
Proposal:	Navajo Lake 11-1 L2		

Planned Survey

Measured Depth (ft)	Incl. (°)	Az. (°)	Vertical Depth (ft)	Sub Sea Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Closure Distance (ft)	Closure Azimuth (°)	Dogleg Rate (°/100ft)	Comments/ Formations
450.00	0.00	0.00	450.00	-11913.00	0.00	0.00	0.00	0.00	0.00	0.0	
500.00	2.00	60.38	499.99	-11863.01	0.43	0.76	0.82	0.87	60.38	4.0	
600.00	6.00	60.38	599.73	-11763.27	3.88	6.82	7.37	7.85	60.38	4.0	
700.00	10.00	60.38	698.73	-11664.27	10.75	18.92	20.44	21.76	60.38	4.0	
800.00	14.00	60.38	796.53	-11566.47	21.03	36.99	39.97	42.55	60.38	4.0	
900.00	18.00	60.38	892.63	-11470.37	34.65	60.95	65.85	70.11	60.38	4.0	
1000.00	22.00	60.38	986.58	-11376.42	51.54	90.68	97.97	104.30	60.38	4.0	
1100.00	26.00	60.38	1077.92	-11285.08	71.64	126.03	136.17	144.97	60.38	4.0	
1200.00	30.00	60.38	1166.20	-11196.80	94.84	166.83	180.26	191.90	60.38	4.0	
1300.00	34.00	60.38	1250.98	-11112.02	121.02	212.89	230.02	244.89	60.38	4.0	
1400.00	38.00	60.38	1331.87	-11031.13	150.06	263.98	285.22	303.65	60.38	4.0	
1500.00	42.00	60.38	1408.46	-10954.54	181.82	319.85	345.59	367.92	60.38	4.0	
1585.19	45.41	60.38	1470.03	-10892.97	210.90	371.01	400.86	426.77	60.38	4.0	
1600.00	45.41	60.38	1480.43	-10882.57	216.12	380.18	410.77	437.32	60.38	0.0	
1700.00	45.41	60.38	1550.64	-10812.36	251.31	442.09	477.66	508.53	60.38	0.0	
1800.00	45.41	60.38	1620.85	-10742.15	286.50	504.00	544.55	579.74	60.38	0.0	
1900.00	45.41	60.38	1691.05	-10671.95	321.69	565.91	611.44	650.95	60.38	0.0	
2000.00	45.41	60.38	1761.26	-10601.74	356.88	627.82	678.33	722.16	60.38	0.0	
2100.00	45.41	60.38	1831.46	-10531.54	392.08	689.73	745.22	793.37	60.38	0.0	
2200.00	45.41	60.38	1901.67	-10461.33	427.27	751.63	812.11	864.59	60.38	0.0	
2278.31	45.41	60.38	1956.65	-10406.35	454.83	800.11	864.49	920.35	60.38	0.0	
2300.00	45.26	61.58	1971.90	-10391.10	462.31	813.60	879.03	935.78	60.39	4.0	
2400.00	44.72	67.19	2042.65	-10320.35	492.86	877.29	946.91	1006.26	60.67	4.0	
2500.00	44.46	72.88	2113.90	-10249.10	516.81	943.22	1015.90	1075.53	61.28	4.0	
2600.00	44.49	78.59	2185.28	-10177.72	534.06	1011.06	1085.66	1143.44	62.16	4.0	
2700.00	44.79	84.27	2256.46	-10106.54	544.51	1080.48	1155.86	1209.93	63.25	4.0	
2800.00	45.38	89.86	2327.09	-10035.91	548.12	1151.16	1226.15	1274.99	64.54	4.0	
2802.60	45.40	90.00	2328.92	-10034.08	548.13	1153.01	1227.97	1276.66	64.57	4.0	
2900.00	45.40	90.00	2397.31	-9965.69	548.13	1222.36	1296.36	1339.63	65.85	0.0	
3000.00	45.40	90.00	2467.53	-9895.47	548.13	1293.56	1366.58	1404.90	67.04	0.0	
3100.00	45.40	90.00	2537.74	-9825.26	548.13	1364.76	1436.79	1470.72	68.12	0.0	
3120.00	45.40	90.00	2551.78	-9811.22	548.13	1379.00	1450.84	1483.94	68.32	0.0	
3200.00	53.63	82.22	2603.72	-9759.28	552.49	1439.56	1511.27	1541.94	69.00	12.7	
3300.00	64.48	74.58	2655.12	-9707.88	570.01	1523.28	1596.75	1626.44	69.48	12.7	
3400.00	75.65	68.23	2689.20	-9673.80	600.10	1612.13	1689.35	1720.20	69.58	12.7	
3500.00	86.97	62.49	2704.30	-9658.70	641.30	1701.76	1784.58	1818.59	69.35	12.7	
3526.65	90.00	61.00	2705.00	-9658.00	653.91	1725.22	1809.81	1844.99	69.24	12.7	
3600.00	89.98	63.20	2705.01	-9657.99	688.23	1790.04	1879.42	1917.79	68.97	3.0	
3700.00	89.96	66.20	2705.06	-9657.94	730.96	1880.44	1975.66	2017.51	68.76	3.0	
3710.84	89.96	66.53	2705.07	-9657.93	735.31	1890.37	1986.17	2028.35	68.75	3.0	
3800.00	89.96	66.53	2705.13	-9657.87	770.83	1972.15	2072.71	2117.44	68.65	0.0	
3900.00	89.96	66.53	2705.20	-9657.80	810.66	2063.88	2169.78	2217.37	68.56	0.0	
4000.00	89.96	66.53	2705.27	-9657.73	850.49	2155.60	2266.84	2317.31	68.47	0.0	
4100.00	89.96	66.53	2705.35	-9657.65	890.33	2247.32	2363.90	2417.26	68.39	0.0	
4200.00	89.96	66.53	2705.42	-9657.58	930.16	2339.05	2460.96	2517.21	68.31	0.0	
4300.00	89.96	66.53	2705.49	-9657.51	970.00	2430.77	2558.02	2617.16	68.25	0.0	
4400.00	89.96	66.53	2705.56	-9657.44	1009.83	2522.49	2655.08	2717.12	68.18	0.0	
4500.00	89.96	66.53	2705.63	-9657.37	1049.67	2614.22	2752.15	2817.08	68.12	0.0	
4600.00	89.96	66.53	2705.70	-9657.30	1089.50	2705.94	2849.21	2917.04	68.07	0.0	
4700.00	89.96	66.53	2705.78	-9657.22	1129.33	2797.66	2946.27	3017.01	68.02	0.0	

Catamount Energy Partners
Proposal Report

Database:	San Juan Basin	**Local Coordinate Reference:**	Navajo Lake 1-11
Company:		**TVD Reference:**	Navajo Lake 1-11
Project:	Navajo Lake	**MD Reference:**	Navajo Lake 1-11
Site:	Navajo Lake	**North reference:**	Grid North
Well:	Navajo Lake 1-11	**Survey Calculation Method:**	Minimum Curvature
Wellbore:			
Proposal:	Navajo Lake 11-1 L2		

Planned Survey

Measured Depth (ft)	Incl. (°)	Az. (°)	Vertical Depth (ft)	Sub Sea Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Closure Distance (ft)	Closure Azimuth (°)	Dogleg Rate (°/100ft)	Comments/ Formations
4800.00	89.96	66.53	2705.85	-9657.15	1169.17	2889.39	3043.33	3116.97	67.97	0.0	
4900.00	89.96	66.53	2705.92	-9657.08	1209.00	2981.11	3140.39	3216.94	67.92	0.0	
5000.00	89.96	66.53	2705.99	-9657.01	1248.84	3072.84	3237.45	3316.91	67.88	0.0	
5100.00	89.96	66.53	2706.06	-9656.94	1288.67	3164.56	3334.52	3416.89	67.84	0.0	
5200.00	89.96	66.53	2706.13	-9656.87	1328.50	3256.28	3431.58	3516.86	67.81	0.0	
5300.00	89.96	66.53	2706.21	-9656.79	1368.34	3348.01	3528.64	3616.84	67.77	0.0	
5400.00	89.96	66.53	2706.28	-9656.72	1408.17	3439.73	3625.70	3716.81	67.74	0.0	
5500.00	89.96	66.53	2706.35	-9656.65	1448.01	3531.45	3722.76	3816.79	67.70	0.0	
5600.00	89.96	66.53	2706.42	-9656.58	1487.84	3623.18	3819.83	3916.77	67.67	0.0	
5700.00	89.96	66.53	2706.49	-9656.51	1527.67	3714.90	3916.89	4016.75	67.65	0.0	
5800.00	89.96	66.53	2706.56	-9656.44	1567.51	3806.63	4013.95	4116.73	67.62	0.0	
5900.00	89.96	66.53	2706.64	-9656.36	1607.34	3898.35	4111.01	4216.71	67.59	0.0	
6000.00	89.96	66.53	2706.71	-9656.29	1647.18	3990.07	4208.07	4316.70	67.57	0.0	
6100.00	89.96	66.53	2706.78	-9656.22	1687.01	4081.80	4305.13	4416.68	67.54	0.0	
6152.94	89.96	66.53	2706.82	-9656.18	1708.10	4130.35	4356.52	4469.61	67.53	0.0	
6200.00	89.96	67.94	2706.85	-9656.15	1726.31	4173.75	4402.33	4516.67	67.53	3.0	
6300.00	89.96	70.94	2706.92	-9656.08	1761.43	4267.37	4500.48	4616.61	67.57	3.0	
6400.00	89.96	73.94	2707.00	-9656.00	1791.60	4362.69	4599.49	4716.24	67.67	3.0	
6500.00	89.96	76.94	2707.07	-9655.93	1816.74	4459.47	4699.10	4815.33	67.83	3.0	
6600.00	89.96	79.94	2707.15	-9655.85	1836.78	4557.43	4799.02	4913.65	68.05	3.0	
6700.00	89.96	82.94	2707.22	-9655.78	1851.67	4656.30	4899.00	5010.97	68.31	3.0	
6800.00	89.96	85.94	2707.30	-9655.70	1861.36	4755.82	4998.74	5107.10	68.63	3.0	
6900.00	89.96	88.94	2707.37	-9655.63	1865.83	4855.71	5097.99	5201.85	68.98	3.0	
6935.42	89.96	90.00	2707.40	-9655.60	1866.16	4891.13	5132.97	5235.05	69.12	3.0	
7000.00	89.96	90.00	2707.45	-9655.55	1866.16	4955.71	5196.66	5295.43	69.37	0.0	
7100.00	89.96	90.00	2707.52	-9655.48	1866.16	5055.71	5295.27	5389.13	69.74	0.0	
7200.00	89.96	90.00	2707.59	-9655.41	1866.16	5155.71	5393.88	5483.05	70.10	0.0	
7300.00	89.96	90.00	2707.67	-9655.33	1866.16	5255.71	5492.50	5577.19	70.45	0.0	
7400.00	89.96	90.00	2707.74	-9655.26	1866.16	5355.71	5591.11	5671.52	70.79	0.0	
7500.00	89.96	90.00	2707.82	-9655.18	1866.16	5455.71	5689.73	5766.05	71.12	0.0	
7600.00	89.96	90.00	2707.89	-9655.11	1866.16	5555.71	5788.34	5860.75	71.43	0.0	
7700.00	89.96	90.00	2707.96	-9655.04	1866.16	5655.71	5886.95	5955.63	71.74	0.0	
7800.00	89.96	90.00	2708.04	-9654.96	1866.16	5755.71	5985.57	6050.68	72.04	0.0	
7900.00	89.96	90.00	2708.11	-9654.89	1866.16	5855.71	6084.18	6145.88	72.32	0.0	
8000.00	89.96	90.00	2708.19	-9654.81	1866.16	5955.71	6182.79	6241.23	72.60	0.0	
8100.00	89.96	90.00	2708.26	-9654.74	1866.16	6055.71	6281.41	6336.73	72.87	0.0	
8200.00	89.96	90.00	2708.34	-9654.66	1866.16	6155.71	6380.02	6432.36	73.13	0.0	
8300.00	89.96	90.00	2708.41	-9654.59	1866.16	6255.71	6478.64	6528.13	73.39	0.0	
8400.00	89.96	90.00	2708.48	-9654.52	1866.16	6355.71	6577.25	6624.01	73.64	0.0	
8500.00	89.96	90.00	2708.56	-9654.44	1866.16	6455.71	6675.86	6720.02	73.88	0.0	
8600.00	89.96	90.00	2708.63	-9654.37	1866.16	6555.71	6774.48	6816.15	74.11	0.0	
8700.00	89.96	90.00	2708.71	-9654.29	1866.16	6655.71	6873.09	6912.38	74.34	0.0	
8800.00	89.96	90.00	2708.78	-9654.22	1866.16	6755.71	6971.70	7008.72	74.56	0.0	
8900.00	89.96	90.00	2708.86	-9654.14	1866.16	6855.71	7070.32	7105.16	74.77	0.0	
9000.00	89.96	90.00	2708.93	-9654.07	1866.16	6955.71	7168.93	7201.70	74.98	0.0	
9100.00	89.96	90.00	2709.00	-9654.00	1866.16	7055.71	7267.55	7298.33	75.19	0.0	
9200.00	89.96	90.00	2709.08	-9653.92	1866.16	7155.71	7366.16	7395.05	75.38	0.0	
9300.00	89.96	90.00	2709.15	-9653.85	1866.16	7255.71	7464.77	7491.85	75.58	0.0	
9400.00	89.96	90.00	2709.23	-9653.77	1866.16	7355.71	7563.39	7588.74	75.76	0.0	
9500.00	89.96	90.00	2709.30	-9653.70	1866.16	7455.71	7662.00	7685.71	75.95	0.0	

Catamount Energy Partners
Proposal Report

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Company:		**TVD Reference:**	Navajo Lake 1-11
Project:	Navajo Lake	**MD Reference:**	Navajo Lake 1-11
Site:	Navajo Lake	**North reference:**	Grid North
Well:	Navajo Lake 1-11	**Survey Calculation Method:**	Minimum Curvature
Wellbore:			
Proposal:	Navajo Lake 11-1 L2		

Planned Survey

Measured Depth (ft)	Incl. (°)	Az. (°)	Vertical Depth (ft)	Sub Sea Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Closure Distance (ft)	Closure Azimuth (°)	Dogleg Rate (°/100ft)	Comments/ Formations
9600.00	89.96	90.00	2709.38	-9653.62	1866.16	7555.71	7760.62	7782.75	76.13	0.0	
9700.00	89.96	90.00	2709.45	-9653.55	1866.16	7655.71	7859.23	7879.87	76.30	0.0	
9800.00	89.96	90.00	2709.52	-9653.48	1866.16	7755.71	7957.84	7977.06	76.47	0.0	
9865.00	89.96	90.00	2709.57	-9653.43	1866.16	7820.71	8021.94	8040.27	76.58	0.0	MWD
9900.00	89.96	90.00	2709.60	-9653.40	1866.16	7855.71	8056.46	8074.32	76.64	0.0	
10000.00	89.96	90.00	2709.67	-9653.33	1866.16	7955.71	8155.07	8171.65	76.80	0.0	
10100.00	89.96	90.00	2709.75	-9653.25	1866.16	8055.71	8253.68	8269.04	76.96	0.0	
10200.00	89.96	90.00	2709.82	-9653.18	1866.16	8155.71	8352.30	8366.49	77.11	0.0	
10300.00	89.96	90.00	2709.90	-9653.10	1866.16	8255.71	8450.91	8464.00	77.26	0.0	
10400.00	89.96	90.00	2709.97	-9653.03	1866.16	8355.71	8549.53	8561.56	77.41	0.0	
10500.00	89.96	90.00	2710.04	-9652.96	1866.16	8455.71	8648.14	8659.19	77.55	0.0	
10600.00	89.96	90.00	2710.12	-9652.88	1866.16	8555.71	8746.75	8756.86	77.70	0.0	
10700.00	89.96	90.00	2710.19	-9652.81	1866.16	8655.71	8845.37	8854.59	77.83	0.0	
10800.00	89.96	90.00	2710.27	-9652.73	1866.16	8755.71	8943.98	8952.37	77.97	0.0	
10900.00	89.96	90.00	2710.34	-9652.66	1866.16	8855.71	9042.59	9050.20	78.10	0.0	
11000.00	89.96	90.00	2710.41	-9652.59	1866.16	8955.71	9141.21	9148.07	78.23	0.0	
11100.00	89.96	90.00	2710.49	-9652.51	1866.16	9055.71	9239.82	9245.99	78.36	0.0	
11200.00	89.96	90.00	2710.56	-9652.44	1866.16	9155.71	9338.44	9343.96	78.48	0.0	
11300.00	89.96	90.00	2710.64	-9652.36	1866.16	9255.71	9437.05	9441.96	78.60	0.0	
11400.00	89.96	90.00	2710.71	-9652.29	1866.16	9355.71	9535.66	9540.01	78.72	0.0	
11500.00	89.96	90.00	2710.79	-9652.21	1866.16	9455.71	9634.28	9638.10	78.84	0.0	
11600.00	89.96	90.00	2710.86	-9652.14	1866.16	9555.71	9732.89	9736.23	78.95	0.0	
11700.00	89.96	90.00	2710.93	-9652.07	1866.16	9655.71	9831.51	9834.39	79.06	0.0	
11800.00	89.96	90.00	2711.01	-9651.99	1866.16	9755.71	9930.12	9932.59	79.17	0.0	
11900.00	89.96	90.00	2711.08	-9651.92	1866.16	9855.71	10028.73	10030.83	79.28	0.0	
12000.00	89.96	90.00	2711.16	-9651.84	1866.16	9955.71	10127.35	10129.10	79.38	0.0	
12100.00	89.96	90.00	2711.23	-9651.77	1866.16	10055.71	10225.96	10227.40	79.49	0.0	
12200.00	89.96	90.00	2711.31	-9651.69	1866.16	10155.71	10324.57	10325.74	79.59	0.0	
12300.00	89.96	90.00	2711.38	-9651.62	1866.16	10255.71	10423.19	10424.11	79.69	0.0	
12400.00	89.96	90.00	2711.45	-9651.55	1866.16	10355.71	10521.80	10522.51	79.78	0.0	
12500.00	89.96	90.00	2711.53	-9651.47	1866.16	10455.71	10620.42	10620.94	79.88	0.0	
12600.00	89.96	90.00	2711.60	-9651.40	1866.16	10555.71	10719.03	10719.40	79.97	0.0	
12700.00	89.96	90.00	2711.68	-9651.32	1866.16	10655.71	10817.64	10817.88	80.07	0.0	
12800.00	89.96	90.00	2711.75	-9651.25	1866.16	10755.71	10916.26	10916.40	80.16	0.0	
12900.00	89.96	90.00	2711.83	-9651.17	1866.16	10855.71	11014.87	11014.94	80.25	0.0	
13000.00	89.96	90.00	2711.90	-9651.10	1866.16	10955.71	11113.48	11113.51	80.33	0.0	
13100.00	89.96	90.00	2711.97	-9651.03	1866.16	11055.71	11212.10	11212.10	80.42	0.0	
13135.42	89.96	90.00	2712.00	-9651.00	1866.16	11091.13	11247.03	11247.03	80.45	0.0	L2 TD

Targets

Target Name -hit/miss target -Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
L2 TD - proposal hits the target center - Point			2712.00	1866.16	11091.13	1126428.60 N	2445030.23 E	36.99837500° N	107.40036400° W

Checked By:	Approved By:	Date:

Catamount Energy Partners
Proposal Report

Database:	San Juan Basin	**Local Coordinate Reference:**	Navajo Lake 1-11
Company:		**TVD Reference:**	Navajo Lake 1-11
Project:	Navajo Lake	**MD Reference:**	Navajo Lake 1-11
Site:	Navajo Lake	**North reference:**	Grid North
Well:	Navajo Lake 1-11	**Survey Calculation Method:**	Minimum Curvature
Wellbore:			
Proposal:	Navajo Lake 11-1 L2		

Disclaimer Notice

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Navajo Lake 1-11, Navajo Lake 11-1 L3

Catamount Energy Partners
Proposal Report

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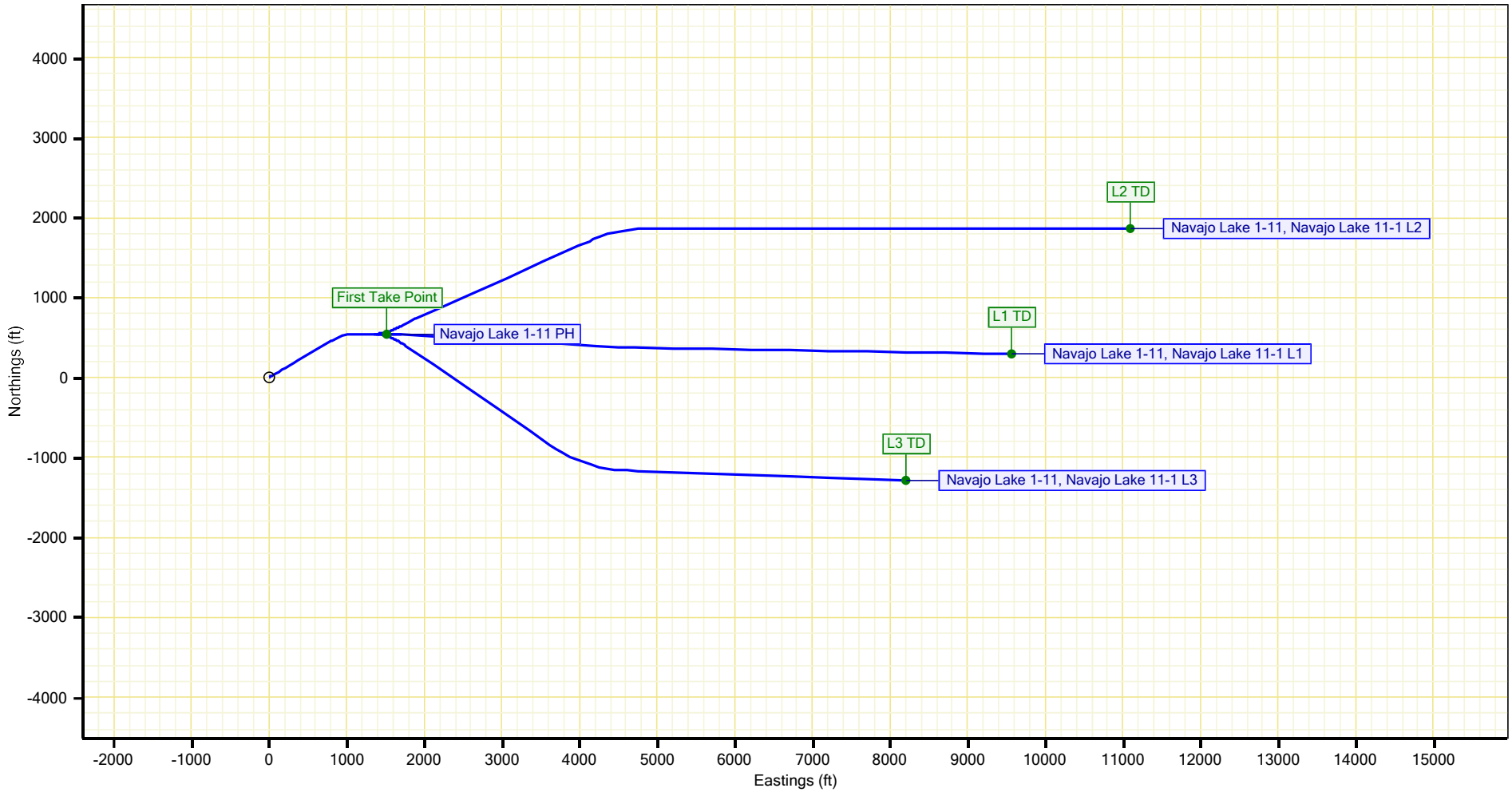
Navajo Lake

Navajo Lake 1-11



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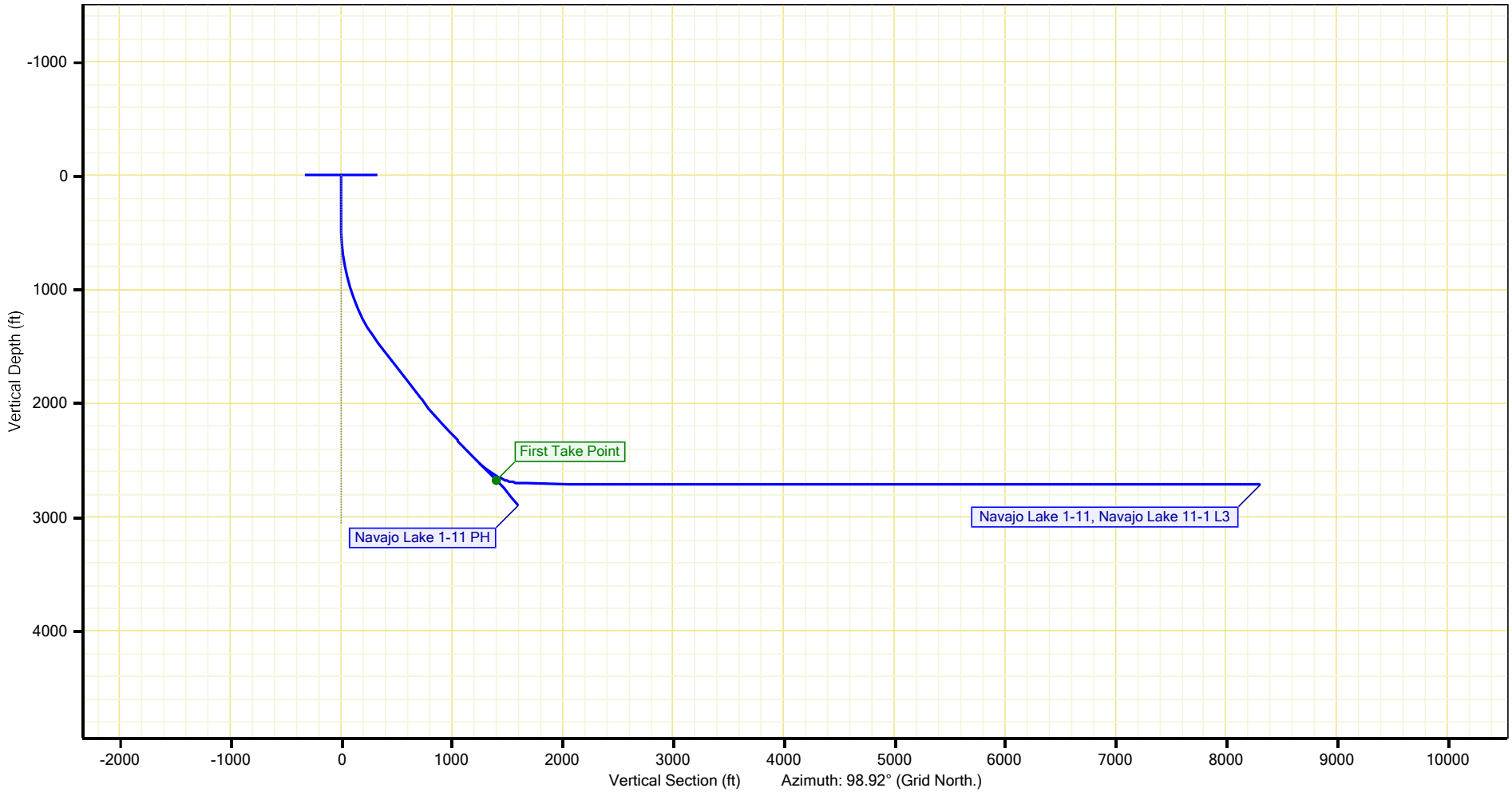
Navajo Lake

Navajo Lake 1-11



Catamount Energy Partners
Proposal Report

Database:	San Juan Basin	**Local Coordinate Reference:**	Navajo Lake 1-11
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Project:	Navajo Lake	**MD Reference:**	Navajo Lake 1-11
Site:	Navajo Lake	**North reference:**	Grid North
Well:	Navajo Lake 1-11	**Survey Calculation Method:**	Minimum Curvature
Wellbore:			
Proposal:	Navajo Lake 11-1 L3		

Project	Navajo Lake		
Map System:	NAD83 Colorado State Planes	**System Datum:**	Mean Sea Level
Geo Datum:	NAD 1983		
Map Zone:	Southern Zone		

Site	Navajo Lake				
Site Position:		**Northing:**	1124562.44 N	**Latitude:**	36.992625° N
From:	Map	**Easting:**	2433939.10 E	**Longitude:**	107.438200° W
Position Uncertainty:	0.00ft	**Slot Radius:**	0in	**Grid Convergence:**	-1.19°

Well	Navajo Lake 1-11					
Well Position:	**+N/-S**	0.00ft	**Northing:**	1124562.44 N	**Latitude:**	36.992625° N
	+E/-W	0.00ft	**Easting:**	2433939.10 E	**Longitude:**	107.438200° W
Position Uncertainty:		1.00ft	**Wellhead Elevation:**	6189.00ft	**Ground Level:**	6174.00ft

Magnetics	**Model Name**	**Sample Date**	**Declination (°)**	**Dip Angle (°)**	**Field Strength (nT)**
	USER DEFINED	11/30/2021	0.00	0.00	0.0

Proposal	Navajo Lake 11-1 L3				
Audit Notes:					
Version:		**Phase:**		**Tie On Depth:**	3080.00ft

Vertical Section:	**Depth from TVD (ft)**	**+N/-S (ft)**	**+E/-W (ft)**	**Direction (°)**
	0.00	0.00	0.00	98.92

Survey Program **1/3/2023**

From (ft)	**To (ft)**	**Survey (Wellbore)**	**Tool Name**	**Description**
0.00	9865.00	Navajo Lake 1-11 PH	MWD	MWD
9865.00	10461.91	Navajo Lake 11-1 L3	MWD	MWD

Plan Sections

Measured Depth (ft)	**nclination (°)**	**Azimuth (°)**	**Vertical Depth (ft)**	**+N/-S (ft)**	**+E/-W (ft)**	**Dogleg Rate (°/100ft)**	**Build Rate (°/100ft)**	**Turn Rate (°/100ft)**	**TFO (°)**	**Target**
3080.00	45.40	90.00	2523.70	548.13	1350.52					
3557.87	90.00	124.00	2705.00	403.74	1748.44	11.3	9.3	7.1	43.85	
3568.36	89.95	123.69	2705.01	397.90	1757.15	3.0	-0.5	-3.0	-100.01	
5805.57	89.95	123.69	2707.14	-843.09	3618.62	0.0	0.0	0.0	0.00	
6861.91	89.94	92.00	2708.23	-1162.69	4611.37	3.0	0.0	-3.0	-90.03	
10461.91	89.94	92.00	2712.00	-1288.33	8209.17	0.0	0.0	0.0	0.00	L3 TD

Planned Survey

Measured Depth (ft)	**Incl. (°)**	**Az. (°)**	**Vertical Depth (ft)**	**Sub Sea Depth (ft)**	**+N/-S (ft)**	**+E/-W (ft)**	**Vertical Section (ft)**	**Closure Distance (ft)**	**Closure Azimuth (°)**	**Dogleg Rate (°/100ft)**	**Comments/ Formations**
0.00	0.00	0.00	0.00	-12363.00	0.00	0.00	0.00	0.00	0.00	0.0	MWD
100.00	0.00	0.00	100.00	-12263.00	0.00	0.00	0.00	0.00	0.00	0.0	
200.00	0.00	0.00	200.00	-12163.00	0.00	0.00	0.00	0.00	0.00	0.0	
300.00	0.00	0.00	300.00	-12063.00	0.00	0.00	0.00	0.00	0.00	0.0	
400.00	0.00	0.00	400.00	-11963.00	0.00	0.00	0.00	0.00	0.00	0.0	

Catamount Energy Partners
Proposal Report

Database:	San Juan Basin	**Local Coordinate Reference:**	Navajo Lake 1-11
Company:		**TVD Reference:**	Navajo Lake 1-11
Project:	Navajo Lake	**MD Reference:**	Navajo Lake 1-11
Site:	Navajo Lake	**North reference:**	Grid North
Well:	Navajo Lake 1-11	**Survey Calculation Method:**	Minimum Curvature
Wellbore:			
Proposal:	Navajo Lake 11-1 L3		

Planned Survey

Measured Depth (ft)	Incl. (°)	Az. (°)	Vertical Depth (ft)	Sub Sea Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Closure Distance (ft)	Closure Azimuth (°)	Dogleg Rate (°/100ft)	Comments/ Formations
450.00	0.00	0.00	450.00	-11913.00	0.00	0.00	0.00	0.00	0.00	0.0	
500.00	2.00	60.38	499.99	-11863.01	0.43	0.76	0.68	0.87	60.38	4.0	
600.00	6.00	60.38	599.73	-11763.27	3.88	6.82	6.14	7.85	60.38	4.0	
700.00	10.00	60.38	698.73	-11664.27	10.75	18.92	17.02	21.76	60.38	4.0	
800.00	14.00	60.38	796.53	-11566.47	21.03	36.99	33.28	42.55	60.38	4.0	
900.00	18.00	60.38	892.63	-11470.37	34.65	60.95	54.84	70.11	60.38	4.0	
1000.00	22.00	60.38	986.58	-11376.42	51.54	90.68	81.59	104.30	60.38	4.0	
1100.00	26.00	60.38	1077.92	-11285.08	71.64	126.03	113.40	144.97	60.38	4.0	
1200.00	30.00	60.38	1166.20	-11196.80	94.84	166.83	150.11	191.90	60.38	4.0	
1300.00	34.00	60.38	1250.98	-11112.02	121.02	212.89	191.56	244.89	60.38	4.0	
1400.00	38.00	60.38	1331.87	-11031.13	150.06	263.98	237.52	303.65	60.38	4.0	
1500.00	42.00	60.38	1408.46	-10954.54	181.82	319.85	287.79	367.92	60.38	4.0	
1585.19	45.41	60.38	1470.03	-10892.97	210.90	371.01	333.83	426.77	60.38	4.0	
1600.00	45.41	60.38	1480.43	-10882.57	216.12	380.18	342.08	437.32	60.38	0.0	
1700.00	45.41	60.38	1550.64	-10812.36	251.31	442.09	397.78	508.53	60.38	0.0	
1800.00	45.41	60.38	1620.85	-10742.15	286.50	504.00	453.49	579.74	60.38	0.0	
1900.00	45.41	60.38	1691.05	-10671.95	321.69	565.91	509.19	650.95	60.38	0.0	
2000.00	45.41	60.38	1761.26	-10601.74	356.88	627.82	564.89	722.16	60.38	0.0	
2100.00	45.41	60.38	1831.46	-10531.54	392.08	689.73	620.60	793.37	60.38	0.0	
2200.00	45.41	60.38	1901.67	-10461.33	427.27	751.63	676.30	864.59	60.38	0.0	
2278.31	45.41	60.38	1956.65	-10406.35	454.83	800.11	719.92	920.35	60.38	0.0	
2300.00	45.26	61.58	1971.90	-10391.10	462.31	813.60	732.09	935.78	60.39	4.0	
2400.00	44.72	67.19	2042.65	-10320.35	492.86	877.29	790.27	1006.26	60.67	4.0	
2500.00	44.46	72.88	2113.90	-10249.10	516.81	943.22	851.69	1075.53	61.28	4.0	
2600.00	44.49	78.59	2185.28	-10177.72	534.06	1011.06	916.03	1143.44	62.16	4.0	
2700.00	44.79	84.27	2256.46	-10106.54	544.51	1080.48	983.00	1209.93	63.25	4.0	
2800.00	45.38	89.86	2327.09	-10035.91	548.12	1151.16	1052.25	1274.99	64.54	4.0	
2802.60	45.40	90.00	2328.92	-10034.08	548.13	1153.01	1054.09	1276.66	64.57	4.0	
2900.00	45.40	90.00	2397.31	-9965.69	548.13	1222.36	1122.60	1339.63	65.85	0.0	
3000.00	45.40	90.00	2467.53	-9895.47	548.13	1293.56	1192.94	1404.90	67.04	0.0	
3080.00	45.40	90.00	2523.70	-9839.30	548.13	1350.52	1249.21	1457.52	67.91	0.0	
3100.00	47.04	92.13	2537.54	-9825.46	547.85	1364.96	1263.51	1470.80	68.13	11.3	
3200.00	55.76	101.29	2599.94	-9763.06	538.37	1442.31	1341.40	1539.51	69.53	11.3	
3300.00	65.02	108.68	2649.35	-9713.65	515.68	1526.05	1427.64	1610.82	71.33	11.3	
3400.00	74.59	115.01	2683.86	-9679.14	480.67	1612.94	1518.92	1683.04	73.41	11.3	
3500.00	84.33	120.77	2702.14	-9660.86	434.68	1699.66	1611.71	1754.36	75.65	11.3	
3557.87	90.00	124.00	2705.00	-9658.00	403.74	1748.44	1664.70	1794.45	77.00	11.3	
3568.36	89.95	123.69	2705.01	-9657.99	397.90	1757.15	1674.21	1801.64	77.24	3.0	
3600.00	89.95	123.69	2705.04	-9657.96	380.34	1783.47	1702.94	1823.58	77.96	0.0	
3700.00	89.95	123.69	2705.13	-9657.87	324.87	1866.68	1793.74	1894.74	80.13	0.0	
3800.00	89.95	123.69	2705.23	-9657.77	269.40	1949.88	1884.54	1968.41	82.13	0.0	
3900.00	89.95	123.69	2705.32	-9657.68	213.93	2033.09	1975.34	2044.31	83.99	0.0	
4000.00	89.95	123.69	2705.42	-9657.58	158.46	2116.29	2066.14	2122.22	85.72	0.0	
4100.00	89.95	123.69	2705.51	-9657.49	102.99	2199.50	2156.93	2201.91	87.32	0.0	
4200.00	89.95	123.69	2705.61	-9657.39	47.52	2282.70	2247.73	2283.20	88.81	0.0	
4300.00	89.95	123.69	2705.70	-9657.30	-7.95	2365.91	2338.53	2365.92	90.19	0.0	
4400.00	89.95	123.69	2705.80	-9657.20	-63.42	2449.11	2429.33	2449.93	91.48	0.0	
4500.00	89.95	123.69	2705.89	-9657.11	-118.89	2532.32	2520.13	2535.11	92.69	0.0	
4600.00	89.95	123.69	2705.99	-9657.01	-174.36	2615.52	2610.93	2621.33	93.81	0.0	
4700.00	89.95	123.69	2706.09	-9656.91	-229.83	2698.73	2701.73	2708.50	94.87	0.0	

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Site:	Navajo Lake	**North reference:**	Grid North
Well:	Navajo Lake 1-11	**Survey Calculation Method:**	Minimum Curvature
Wellbore:			
Proposal:	Navajo Lake 11-1 L3		

Planned Survey

Measured Depth (ft)	Incl. (°)	Az. (°)	Vertical Depth (ft)	Sub Sea Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Closure Distance (ft)	Closure Azimuth (°)	Dogleg Rate (°/100ft)	Comments/ Formations
4800.00	89.95	123.69	2706.18	-9656.82	-285.30	2781.93	2792.53	2796.52	95.86	0.0	
4900.00	89.95	123.69	2706.28	-9656.72	-340.77	2865.14	2883.33	2885.33	96.78	0.0	
5000.00	89.95	123.69	2706.37	-9656.63	-396.24	2948.34	2974.12	2974.85	97.65	0.0	
5100.00	89.95	123.69	2706.47	-9656.53	-451.71	3031.55	3064.92	3065.02	98.47	0.0	
5200.00	89.95	123.69	2706.56	-9656.44	-507.18	3114.75	3155.72	3155.77	99.25	0.0	
5300.00	89.95	123.69	2706.66	-9656.34	-562.65	3197.96	3246.52	3247.08	99.98	0.0	
5400.00	89.95	123.69	2706.75	-9656.25	-618.12	3281.16	3337.32	3338.88	100.67	0.0	
5500.00	89.95	123.69	2706.85	-9656.15	-673.59	3364.37	3428.12	3431.13	101.32	0.0	
5600.00	89.95	123.69	2706.94	-9656.06	-729.06	3447.57	3518.92	3523.82	101.94	0.0	
5700.00	89.95	123.69	2707.04	-9655.96	-784.53	3530.78	3609.72	3616.89	102.53	0.0	
5800.00	89.95	123.69	2707.14	-9655.86	-840.00	3613.98	3700.52	3710.32	103.08	0.0	
5805.57	89.95	123.69	2707.14	-9655.86	-843.09	3618.62	3705.57	3715.53	103.12	0.0	
5900.00	89.94	120.86	2707.23	-9655.77	-893.51	3698.45	3792.26	3804.85	103.58	3.0	
6000.00	89.94	117.86	2707.33	-9655.67	-942.53	3785.60	3885.95	3901.17	103.98	3.0	
6100.00	89.94	114.86	2707.43	-9655.57	-986.92	3875.19	3981.34	3998.89	104.29	3.0	
6200.00	89.94	111.86	2707.53	-9655.47	-1026.56	3966.98	4078.17	4097.66	104.51	3.0	
6300.00	89.94	108.86	2707.64	-9655.36	-1061.34	4060.73	4176.18	4197.14	104.65	3.0	
6400.00	89.94	105.86	2707.74	-9655.26	-1091.17	4156.16	4275.08	4297.02	104.71	3.0	
6500.00	89.94	102.86	2707.85	-9655.15	-1115.97	4253.03	4374.62	4397.00	104.70	3.0	
6600.00	89.94	99.86	2707.95	-9655.05	-1135.66	4351.06	4474.52	4496.83	104.63	3.0	
6700.00	89.94	96.86	2708.06	-9654.94	-1150.19	4449.99	4574.50	4596.23	104.49	3.0	
6800.00	89.94	93.86	2708.16	-9654.84	-1159.53	4549.54	4674.30	4694.98	104.30	3.0	
6861.91	89.94	92.00	2708.23	-9654.77	-1162.69	4611.37	4735.87	4755.69	104.15	3.0	
6900.00	89.94	92.00	2708.27	-9654.73	-1164.02	4649.43	4773.68	4792.93	104.06	0.0	
7000.00	89.94	92.00	2708.37	-9654.63	-1167.51	4749.37	4872.95	4890.77	103.81	0.0	
7100.00	89.94	92.00	2708.48	-9654.52	-1171.00	4849.31	4972.22	4988.69	103.58	0.0	
7200.00	89.94	92.00	2708.58	-9654.42	-1174.49	4949.25	5071.50	5086.70	103.35	0.0	
7300.00	89.94	92.00	2708.69	-9654.31	-1177.98	5049.19	5170.77	5184.78	103.13	0.0	
7400.00	89.94	92.00	2708.79	-9654.21	-1181.47	5149.13	5270.04	5282.93	102.92	0.0	
7500.00	89.94	92.00	2708.90	-9654.10	-1184.96	5249.07	5369.31	5381.15	102.72	0.0	
7600.00	89.94	92.00	2709.00	-9654.00	-1188.45	5349.00	5468.58	5479.44	102.53	0.0	
7700.00	89.94	92.00	2709.11	-9653.89	-1191.94	5448.94	5567.85	5577.79	102.34	0.0	
7800.00	89.94	92.00	2709.21	-9653.79	-1195.43	5548.88	5667.13	5676.19	102.16	0.0	
7900.00	89.94	92.00	2709.31	-9653.69	-1198.92	5648.82	5766.40	5774.65	101.98	0.0	
8000.00	89.94	92.00	2709.42	-9653.58	-1202.41	5748.76	5865.67	5873.16	101.81	0.0	
8100.00	89.94	92.00	2709.52	-9653.48	-1205.90	5848.70	5964.94	5971.72	101.65	0.0	
8200.00	89.94	92.00	2709.63	-9653.37	-1209.39	5948.64	6064.21	6070.33	101.49	0.0	
8300.00	89.94	92.00	2709.73	-9653.27	-1212.88	6048.58	6163.48	6168.98	101.34	0.0	
8400.00	89.94	92.00	2709.84	-9653.16	-1216.37	6148.52	6262.76	6267.68	101.19	0.0	
8500.00	89.94	92.00	2709.94	-9653.06	-1219.86	6248.46	6362.03	6366.42	101.05	0.0	
8600.00	89.94	92.00	2710.05	-9652.95	-1223.35	6348.39	6461.30	6465.19	100.91	0.0	
8700.00	89.94	92.00	2710.15	-9652.85	-1226.84	6448.33	6560.57	6564.00	100.77	0.0	
8800.00	89.94	92.00	2710.26	-9652.74	-1230.33	6548.27	6659.84	6662.85	100.64	0.0	
8900.00	89.94	92.00	2710.36	-9652.64	-1233.82	6648.21	6759.11	6761.73	100.51	0.0	
9000.00	89.94	92.00	2710.47	-9652.53	-1237.31	6748.15	6858.39	6860.65	100.39	0.0	
9100.00	89.94	92.00	2710.57	-9652.43	-1240.80	6848.09	6957.66	6959.59	100.27	0.0	
9200.00	89.94	92.00	2710.68	-9652.32	-1244.29	6948.03	7056.93	7058.57	100.15	0.0	
9300.00	89.94	92.00	2710.78	-9652.22	-1247.78	7047.97	7156.20	7157.57	100.04	0.0	
9400.00	89.94	92.00	2710.89	-9652.11	-1251.27	7147.91	7255.47	7256.60	99.93	0.0	
9500.00	89.94	92.00	2710.99	-9652.01	-1254.76	7247.85	7354.74	7355.66	99.82	0.0	

Catamount Energy Partners
Proposal Report

Database:	San Juan Basin	**Local Coordinate Reference:**	Navajo Lake 1-11
Company:		**TVD Reference:**	Navajo Lake 1-11
Project:	Navajo Lake	**MD Reference:**	Navajo Lake 1-11
Site:	Navajo Lake	**North reference:**	Grid North
Well:	Navajo Lake 1-11	**Survey Calculation Method:**	Minimum Curvature
Wellbore:			
Proposal:	Navajo Lake 11-1 L3		

Planned Survey

Measured Depth (ft)	Incl. (°)	Az. (°)	Vertical Depth (ft)	Sub Sea Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Closure Distance (ft)	Closure Azimuth (°)	Dogleg Rate (°/100ft)	Comments/ Formations
9600.00	89.94	92.00	2711.10	-9651.90	-1258.25	7347.79	7454.02	7454.74	99.72	0.0	
9700.00	89.94	92.00	2711.20	-9651.80	-1261.74	7447.72	7553.29	7553.85	99.62	0.0	
9800.00	89.94	92.00	2711.31	-9651.69	-1265.23	7547.66	7652.56	7652.97	99.52	0.0	
9865.00	89.94	92.00	2711.37	-9651.63	-1267.50	7612.62	7717.09	7717.42	99.45	0.0	MWD
9900.00	89.94	92.00	2711.41	-9651.59	-1268.72	7647.60	7751.83	7752.13	99.42	0.0	
10000.00	89.94	92.00	2711.52	-9651.48	-1272.21	7747.54	7851.10	7851.30	99.33	0.0	
10100.00	89.94	92.00	2711.62	-9651.38	-1275.70	7847.48	7950.37	7950.49	99.23	0.0	
10200.00	89.94	92.00	2711.73	-9651.27	-1279.19	7947.42	8049.65	8049.71	99.14	0.0	
10300.00	89.94	92.00	2711.83	-9651.17	-1282.68	8047.36	8148.92	8148.94	99.06	0.0	
10400.00	89.94	92.00	2711.94	-9651.06	-1286.17	8147.30	8248.19	8248.19	98.97	0.0	
10461.91	89.94	92.00	2712.00	-9651.00	-1288.33	8209.17	8309.65	8309.65	98.92	0.0	L3 TD

Targets

Target Name -hit/miss target -Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
L3 TD - proposal hits the target center - Point			2712.00	-1288.33	8209.17	1123274.11 N	2442148.27 E	36.98955200° N	107.41000900° W

Checked By:	Approved By:	Date:

Disclaimer Notice

Catamount Energy Partners makes no warranty of any kind with respect to the subject matter included herein or the completeness or accuracy of this document.

Catamount Energy Partners are not responsible for any actions (or lack thereof) taken as a result of relying on or in any way using information contained in this document and in no event shall be liable for any damages resulting from reliance on or use of this information.

State of New Mexico
Energy, Minerals and Natural Resources Department

Submit Electronically
Via E-permitting

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

NATURAL GAS MANAGEMENT PLAN

This Natural Gas Management Plan must be submitted with each Application for Permit to Drill (APD) for a new or recompleted well.

Section 1 – Plan Description
Effective May 25, 2021

I. Operator: Catamount Energy Partners, LLC **OGRID:** 308973 **Date:** 01 / 12 / 2023

II. Type: ☑ Original ☐ Amendment due to ☐ 19.15.27.9.D(6)(a) NMAC ☐ 19.15.27.9.D(6)(b) NMAC ☐ Other.

If Other, please describe: _____

III. Well(s): Provide the following information for each new or recompleted well or set of wells proposed to be drilled or proposed to be recompleted from a single well pad or connected to a central delivery point.

Well Name	API	ULSTR	Footages	Anticipated Oil BBL/D	Anticipated Gas MCF/D	Anticipated Produced Water BBL/D
Navajo Lake 32-6-11 1		I-10-32N-6W	1821 FSL &604 FEL	0 BBL/D	2000 MCF/D	150 BBL/D

IV. Central Delivery Point Name: Red Cedar Gathering Company Meter ID 0480601 [See 19.15.27.9(D)(1) NMAC]

V. Anticipated Schedule: Provide the following information for each new or recompleted well or set of wells proposed to be drilled or proposed to be recompleted from a single well pad or connected to a central delivery point.

Well Name	API	Spud Date	TD Reached Date	Completion Commencement Date	Initial Flow Back Date	First Production Date
Navajo Lake 32-6-11 1	Pending	2/20/2023	3/12/2023	3/15/2023	3/20/2023	3/20/2023

VI. Separation Equipment: ☑ Attach a complete description of how Operator will size separation equipment to optimize gas capture.

VII. Operational Practices: ☑ Attach a complete description of the actions Operator will take to comply with the requirements of Subsection A through F of 19.15.27.8 NMAC.

VIII. Best Management Practices: ☑ Attach a complete description of Operator's best management practices to minimize venting during active and planned maintenance.

Section 2 – Enhanced Plan
EFFECTIVE APRIL 1, 2022

Beginning April 1, 2022, an operator that is not in compliance with its statewide natural gas capture requirement for the applicable reporting area must complete this section.

☐ Operator certifies that it is not required to complete this section because Operator is in compliance with its statewide natural gas capture requirement for the applicable reporting area.

IX. Anticipated Natural Gas Production:

Well	API	Anticipated Average Natural Gas Rate MCF/D	Anticipated Volume of Natural Gas for the First Year MCF
Navajo Lake 32-6-11 1	N/A	2000 MCF/D	73000 MCF

X. Natural Gas Gathering System (NGGS):

Operator	System	ULSTR of Tie-in	Anticipated Gathering Start Date	Available Maximum Daily Capacity of System Segment Tie-in
Red Cedar Gathering Company		Lot 3 S19 T32 R5W	3/15/2023	7500 MCF/D
	Sambrito System			

XI. Map. ☑ Attach an accurate and legible map depicting the location of the well(s), the anticipated pipeline route(s) connecting the production operations to the existing or planned interconnect of the natural gas gathering system(s), and the maximum daily capacity of the segment or portion of the natural gas gathering system(s) to which the well(s) will be connected.

XII. Line Capacity. The natural gas gathering system ☑ will ☐ will not have capacity to gather 100% of the anticipated natural gas production volume from the well prior to the date of first production.

XIII. Line Pressure. Operator ☑ does ☐ does not anticipate that its existing well(s) connected to the same segment, or portion, of the natural gas gathering system(s) described above will continue to meet anticipated increases in line pressure caused by the new well(s).

☐ Attach Operator's plan to manage production in response to the increased line pressure.

XIV. Confidentiality: ☐ Operator asserts confidentiality pursuant to Section 71-2-8 NMSA 1978 for the information provided in Section 2 as provided in Paragraph (2) of Subsection D of 19.15.27.9 NMAC, and attaches a full description of the specific information for which confidentiality is asserted and the basis for such assertion.

Section 3 - Certifications

Effective May 25, 2021

Operator certifies that, after reasonable inquiry and based on the available information at the time of submittal:

☑ Operator will be able to connect the well(s) to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system; or

☐ Operator will not be able to connect to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system. ***If Operator checks this box, Operator will select one of the following:***

Well Shut-In. ☐ Operator will shut-in and not produce the well until it submits the certification required by Paragraph (4) of Subsection D of 19.15.27.9 NMAC; or

Venting and Flaring Plan. ☐ Operator has attached a venting and flaring plan that evaluates and selects one or more of the potential alternative beneficial uses for the natural gas until a natural gas gathering system is available, including:

- **(a)** power generation on lease;
- **(b)** power generation for grid;
- **(c)** compression on lease;
- **(d)** liquids removal on lease;
- **(e)** reinjection for underground storage;
- **(f)** reinjection for temporary storage;
- **(g)** reinjection for enhanced oil recovery;
- **(h)** fuel cell production; and
- **(i)** other alternative beneficial uses approved by the division.

Section 4 - Notices

1. If, at any time after Operator submits this Natural Gas Management Plan and before the well is spud:

(a) Operator becomes aware that the natural gas gathering system it planned to connect the well(s) to has become unavailable or will not have capacity to transport one hundred percent of the production from the well(s), no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised venting and flaring plan containing the information specified in Paragraph (5) of Subsection D of 19.15.27.9 NMAC; or

(b) Operator becomes aware that it has, cumulatively for the year, become out of compliance with its baseline natural gas capture rate or natural gas capture requirement, no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised Natural Gas Management Plan for each well it plans to spud during the next 90 days containing the information specified in Paragraph (2) of Subsection D of 19.15.27.9 NMAC, and shall file an update for each Natural Gas Management Plan until Operator is back in compliance with its baseline natural gas capture rate or natural gas capture requirement.

2. OCD may deny or conditionally approve an APD if Operator does not make a certification, fails to submit an adequate venting and flaring plan which includes alternative beneficial uses for the anticipated volume of natural gas produced, or if OCD determines that Operator will not have adequate natural gas takeaway capacity at the time a well will be spud.

I certify that, after reasonable inquiry, the statements in and attached to this Natural Gas Management Plan are true and correct to the best of my knowledge and acknowledge that a false statement may be subject to civil and criminal penalties under the Oil and Gas Act.

Signature:	Nolan Redmond
Printed Name:	Nolan Redmond
Title:	Geo/Eng Tech
E-mail Address:	nredmond@catamountep.com
Date:	01/12/2023
Phone:	720-484-2347

OIL CONSERVATION DIVISION

(Only applicable when submitted as a standalone form)

Approved By:	
Title:	
Approval Date:	
Conditions of Approval:	

Attachments:

Description of how separation equipment will be sized to optimize gas capture:

Catamount Energy Partners, LLC (Catamount) will size well separation equipment to have appropriate residence time and vapor pace to remove gas particles on the micron scale per typical engineering calculations and/or operational experience. All gas is routed to end uses or the sales pipeline under normal operating conditions.

Description of the actions the Operator will take to comply with the requirements of Subsection A through F of 19.15.27.8 NMAC.

A. Catamount will minimize venting during drilling, completion and production operations in order to minimize waste.
B. Catamount will minimize venting during drilling operations by:
   1) The operator shall capture or combust natural gas if technically feasible using best industry practices and control technologies.
   2) A properly-sized flare stack shall be located at a minimum of 100 feet from the nearest surface hole location
   3) Natural gas will only be vented if there is an emergency or malfunction to avoid a risk of an immediate and substantial adverse impact on safety, public health, or the environment and will be reported to the division pursuant to Paragraph (1) of Subsection G of 19.15.27.8 NMAC.
C. Catamount will minimize venting during completion operations by:
   1) During initial flowback and if technically feasible, flaring shall occur rather than venting. Commencement of operation of a separator shall occur as soon as it is technically feasible for a separator to function.
   2) During separation flowback, the operator shall capture and route natural gas from the separation equipment to a collection system to be sold or to another beneficial use such as using it on-site as a fuel source.
   3) If natural gas does not meet pipeline standards, gas will be vented or flared. A gas analysis will be performed twice weekly until standards are met (for up to 60 days). This is not anticipated to occur.
D. Catamount will minimize venting during production operations by:
   Not flaring or venting natural gas except as outlined in 19.15.27.8 D. (1)-(4).
E. Performance Standards: Catamount will comply with the performance standards as set forth in 19.15.27.8 E.
F. Catamount will measure or estimate vented and flared natural gas as prescribed in 19.15.27 F.

Flowback Operations:

After drilling and completion operations are completed the well will be turned on and gas will be immediately sent through production equipment and sold and will not be vented or flared. No frac is anticipated and no flowback period is planned.

Tie in Valve Set Location
Existing RCGC Gas Line
Pipeline ROW tie in to Red Cedar

Pipeline Tie in Section S19 T32N R5W Well location :
NESW (I) S10 –T32N-R6W
Distance: 3550'
Line size: 6"
Surface Owner: Fee

0' 450' 900'

N

Catamount Energy Partners LLC

Navajo Lake 32-6-11#1
Pipeline Route

CATAMOUNT ENERGY PARTNERS

1/20/2023 San Juan County NM

Catamount Energy Partners, LLC
Natural Gas Management Plan
Navajo Lake 32-6-11 1H

Description of how separation equipment will be sized to optimize gas capture:

Catamount Energy Partners, LLC (Catamount) will size well separation equipment to have appropriate residence time and vapor pace to remove gas particles on the micron scale per typical engineering calculations and/or operational experience. All gas is routed to end uses or the sales pipeline under normal operating conditions. Production water is sent to produced water tanks set on location.

Description of the actions the Operator will take to comply with the requirements of Subsection A through F of 19.15.27.8 NMAC.

A. Catamount will minimize venting during drilling, completion and production operations in order to minimize waste.
B. Catamount will minimize venting during production operations by:
   Not flaring or venting natural gas except as outlined in 19.15.27.8 D. (1)-(4).
C. Performance Standards: Catamount will comply with the performance standards as set forth in 19.15.27.8 E.
D. Catamount will measure or estimate vented and flared natural gas as prescribed in 19.15.27 F.

Best Management Practices to minimize venting:

Production Operations:

1) This location will have a connection to grid power and during active operations Catamount will use grid power to operate
   - Artificial Lift Motor
   - transfer pumps for produced water
   - compressed air for instrument air control. Pneumatic dumps will be operated from instrument air and not methane.
2) Tank burners may be used in freezing temperatures
3) Gas will not be flared during pipeline maintenance or repair and the well will be shut in.
4) In the event of high line pressure the well will be allowed to flow until the pressure shuts the well in.

Drilling Operations:

1) Catamount shall capture or combust natural gas if technically feasible using best industry practices and control technologies.
2) A properly-sized flare stack shall be located at a minimum of 100 feet from the nearest surface hole location
3) Natural gas will only be vented if there is an emergency or malfunction to avoid a risk of an immediate and substantial adverse impact on safety, public health, or the environment and will be reported to the division pursuant to Paragraph (1) of Subsection G of 19.15.27.8 NMAC.

Completion Operations:

After drilling and completion operations are completed the well will be turned on and gas will be immediately sent through production equipment and sold and will not be vented or flared. Facilities will be built and ready before the well is turned on. No frac is anticipated and no flowback period is planned.

1) During initial flowback and if technically feasible, flaring shall occur rather than venting. Commencement of operation of a separator shall occur as soon as it is technically feasible for a separator to function.
2) During separation flowback, Catamount shall capture and route natural gas from the separation equipment to a collection system to be sold or to another beneficial use such as using it on-site as a fuel source.
3) If natural gas does not meet pipeline standards, gas will be vented or flared. A gas analysis will be performed twice weekly until standards are met (for up to 60 days). This is not anticipated to occur.

Navajo Lake 1-11 PH

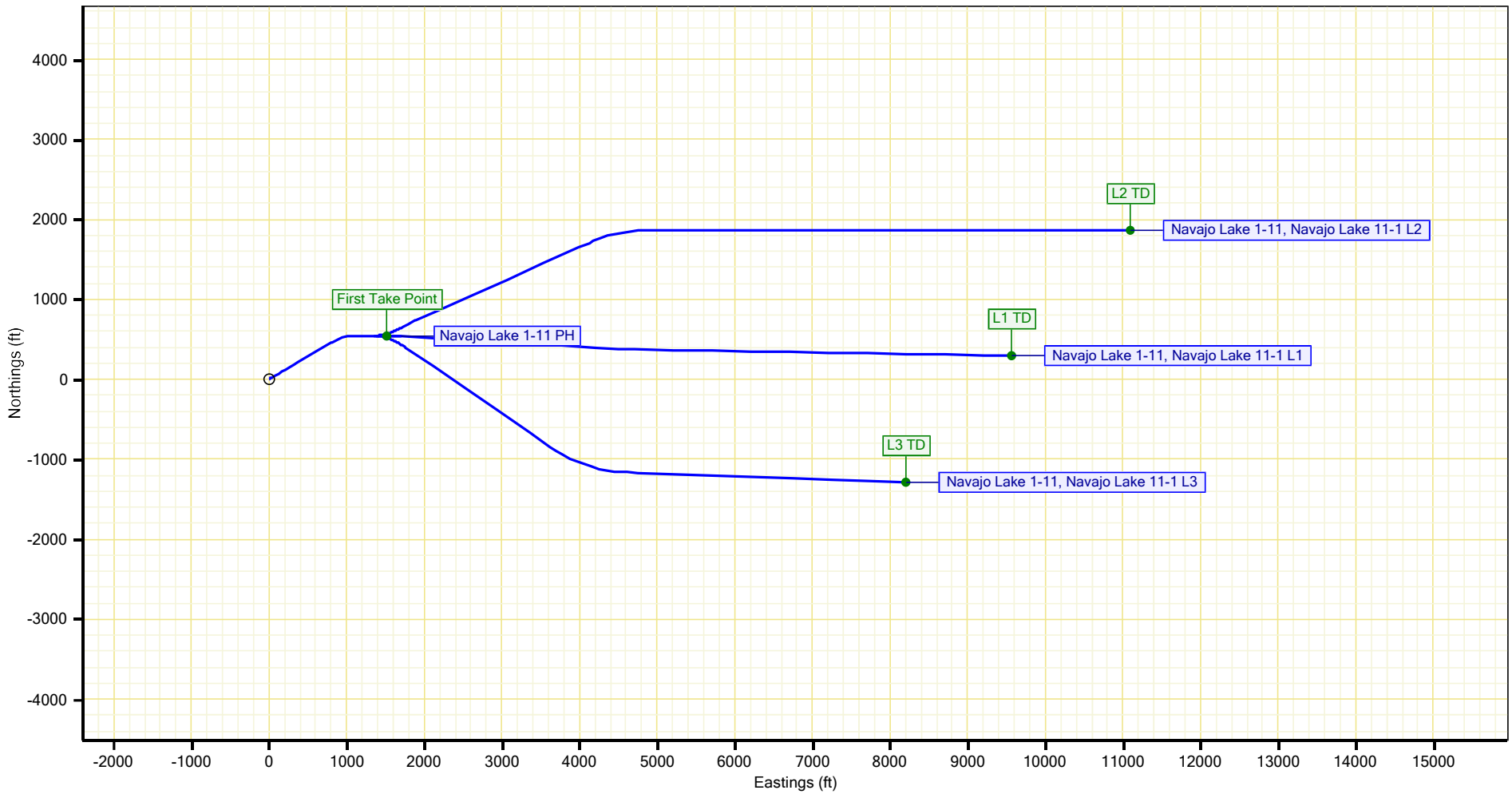
Catamount Energy Partners Proposal Report

CATAMOUNT ENERGY PARTNERS

CATAMOUNT ENERGY PARTNERS

Navajo Lake

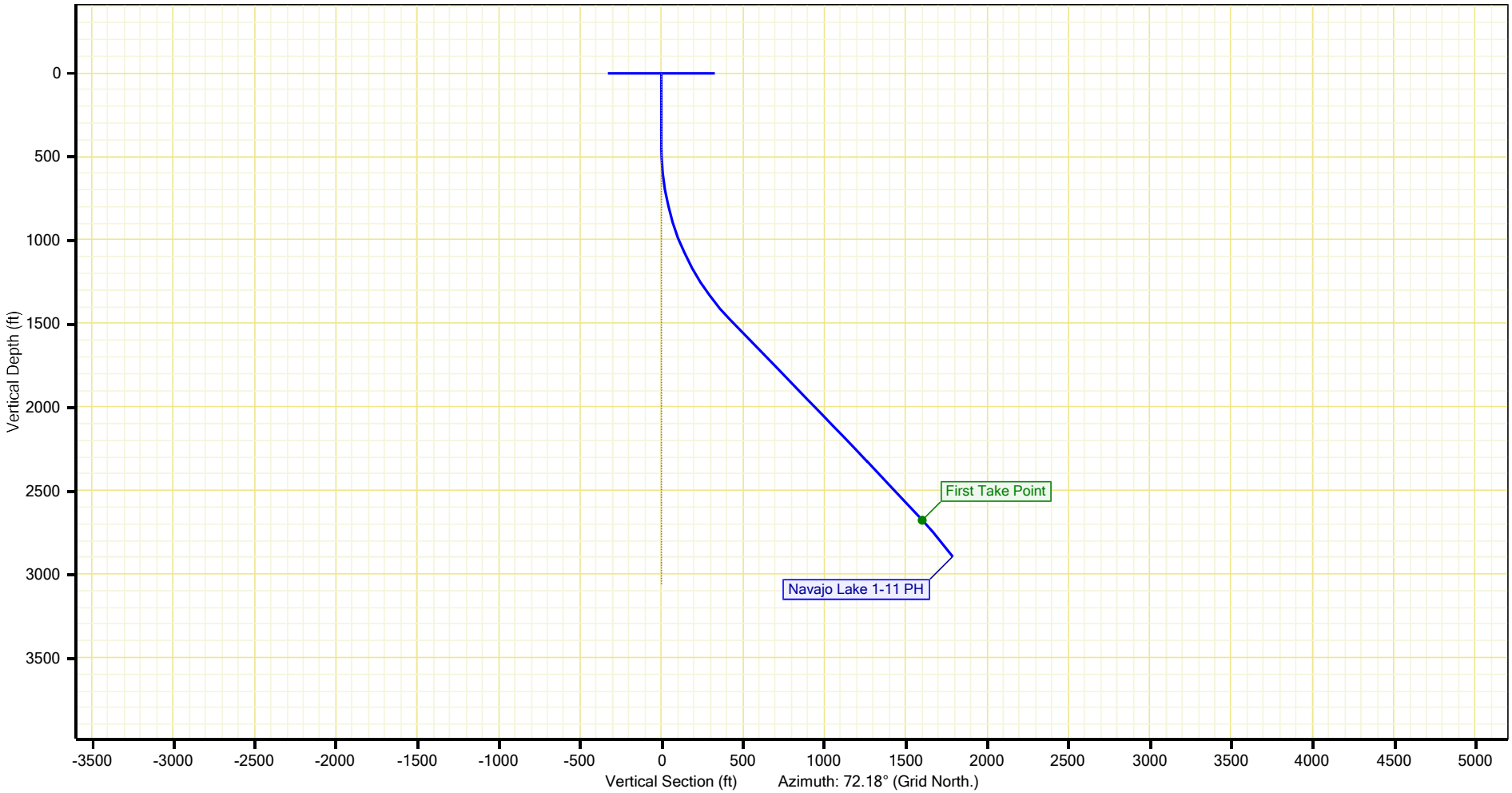
Navajo Lake 1-11



CATAMOUNT ENERGY PARTNERS

Navajo Lake

Navajo Lake 1-11



Catamount Energy Partners
Proposal Report

Database:	San Juan Basin	**Local Coordinate Reference:**	Navajo Lake 1-11
Company:		**TVD Reference:**	Navajo Lake 1-11
Project:	Navajo Lake	**MD Reference:**	Navajo Lake 1-11
Site:	Navajo Lake	**North reference:**	Grid North
Well:	Navajo Lake 1-11	**Survey Calculation Method:**	Minimum Curvature
Wellbore:			
Proposal:	Navajo Lake 1-11 PH		

Project	Navajo Lake		
Map System:	NAD83 Colorado State Planes	**System Datum:**	Mean Sea Level
Geo Datum:	NAD 1983		
Map Zone:	Southern Zone		

Site	Navajo Lake				
Site Position:		**Northing:**	1124562.44 N	**Latitude:**	36.992625° N
From:	Map	**Easting:**	2433939.10 E	**Longitude:**	107.438200° W
Position Uncertainty:	0.00ft	**Slot Radius:**	0in	**Grid Convergence:**	-1.19°

Well	Navajo Lake 1-11					
Well Position:	**+N/-S**	0.00ft	**Northing:**	1124562.44 N	**Latitude:**	36.992625° N
	+E/-W	0.00ft	**Easting:**	2433939.10 E	**Longitude:**	107.438200° W
Position Uncertainty:		1.00ft	**Wellhead Elevation:**	6189	**Ground Level:**	6174.00ft

Magnetics	**Model Name**	**Sample Date**	**Declination (°)**	**Dip Angle (°)**	**Field Strength (nT)**
	USER DEFINED	11/30/2021	0.00	0.00	0.0

Proposal	Navajo Lake 1-11 PH				
Audit Notes:					
Version:		**Phase:**		**Tie On Depth:**	0.00ft

Vertical Section:	**Depth from TVD (ft)**	**+N/-S (ft)**	**+E/-W (ft)**	**Direction (°)**
	0.00	0.00	0.00	72.18

Survey Program **1/3/2023**

From (ft)	**To (ft)**	**Survey (Wellbore)**	**Tool Name**	**Description**
0.00	3597.46	Navajo Lake 1-11 PH	MWD	MWD

Plan Sections

Measured Depth (ft)	**nclinatior (°)**	**Azimuth (°)**	**Vertical Depth (ft)**	**+N/-S (ft)**	**+E/-W (ft)**	**Dogleg Rate (°/100ft)**	**Build Rate (°/100ft)**	**Turn Rate (°/100ft)**	**TFO (°)**	**Target**
0.00	0.00	0.00	0.00	0.00	0.00					
450.00	0.00	0.00	450.00	0.00	0.00	0.0	0.0	0.0	0.00	
1585.19	45.41	60.38	1470.03	210.90	371.01	4.0	4.0	0.0	60.38	
2278.31	45.41	60.38	1956.65	454.83	800.11	0.0	0.0	0.0	0.00	
2802.60	45.40	90.00	2328.92	548.13	1153.01	4.0	0.0	5.6	100.53	
3302.60	45.40	90.00	2680.00	548.13	1509.02	0.0	0.0	0.0	0.00	First Take Point
3597.46	38.00	90.00	2900.00	548.13	1705.03	2.5	-2.5	0.0	180.00	

Planned Survey

Measured Depth (ft)	**Incl. (°)**	**Az. (°)**	**Vertical Depth (ft)**	**Sub Sea Depth (ft)**	**+N/-S (ft)**	**+E/-W (ft)**	**Vertical Section (ft)**	**Closure Distance (ft)**	**Closure Azimuth (°)**	**Dogleg Rate (°/100ft)**	**Comments/ Formations**
0.00	0.00	0.00	0.00	-12363.00	0.00	0.00	0.00	0.00	0.00	0.0	MWD
100.00	0.00	0.00	100.00	-12263.00	0.00	0.00	0.00	0.00	0.00	0.0	
200.00	0.00	0.00	200.00	-12163.00	0.00	0.00	0.00	0.00	0.00	0.0	
300.00	0.00	0.00	300.00	-12063.00	0.00	0.00	0.00	0.00	0.00	0.0	
400.00	0.00	0.00	400.00	-11963.00	0.00	0.00	0.00	0.00	0.00	0.0	

Catamount Energy Partners
Proposal Report

Database:	San Juan Basin	**Local Coordinate Reference:**	Navajo Lake 1-11
Company:		**TVD Reference:**	Navajo Lake 1-11
Project:	Navajo Lake	**MD Reference:**	Navajo Lake 1-11
Site:	Navajo Lake	**North reference:**	Grid North
Well:	Navajo Lake 1-11	**Survey Calculation Method:**	Minimum Curvature
Wellbore:			
Proposal:	Navajo Lake 1-11 PH		

Planned Survey

Measured Depth (ft)	Incl. (°)	Az. (°)	Vertical Depth (ft)	Sub Sea Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Closure Distance (ft)	Closure Azimuth (°)	Dogleg Rate (°/100ft)	Comments/ Formations
450.00	0.00	0.00	450.00	-11913.00	0.00	0.00	0.00	0.00	0.00	0.0	
500.00	2.00	60.38	499.99	-11863.01	0.43	0.76	0.85	0.87	60.38	4.0	
600.00	6.00	60.38	599.73	-11763.27	3.88	6.82	7.68	7.85	60.38	4.0	
700.00	10.00	60.38	698.73	-11664.27	10.75	18.92	21.30	21.76	60.38	4.0	
800.00	14.00	60.38	796.53	-11566.47	21.03	36.99	41.65	42.55	60.38	4.0	
900.00	18.00	60.38	892.63	-11470.37	34.65	60.95	68.63	70.11	60.38	4.0	
1000.00	22.00	60.38	986.58	-11376.42	51.54	90.68	102.10	104.30	60.38	4.0	
1100.00	26.00	60.38	1077.92	-11285.08	71.64	126.03	141.91	144.97	60.38	4.0	
1200.00	30.00	60.38	1166.20	-11196.80	94.84	166.83	187.85	191.90	60.38	4.0	
1300.00	34.00	60.38	1250.98	-11112.02	121.02	212.89	239.72	244.89	60.38	4.0	
1400.00	38.00	60.38	1331.87	-11031.13	150.06	263.98	297.24	303.65	60.38	4.0	
1500.00	42.00	60.38	1408.46	-10954.54	181.82	319.85	360.15	367.92	60.38	4.0	
1585.19	45.41	60.38	1470.03	-10892.97	210.90	371.01	417.76	426.77	60.38	4.0	
1600.00	45.41	60.38	1480.43	-10882.57	216.12	380.18	428.08	437.32	60.38	0.0	
1700.00	45.41	60.38	1550.64	-10812.36	251.31	442.09	497.79	508.53	60.38	0.0	
1800.00	45.41	60.38	1620.85	-10742.15	286.50	504.00	567.50	579.74	60.38	0.0	
1900.00	45.41	60.38	1691.05	-10671.95	321.69	565.91	637.21	650.95	60.38	0.0	
2000.00	45.41	60.38	1761.26	-10601.74	356.88	627.82	706.92	722.16	60.38	0.0	
2100.00	45.41	60.38	1831.46	-10531.54	392.08	689.73	776.62	793.37	60.38	0.0	
2200.00	45.41	60.38	1901.67	-10461.33	427.27	751.63	846.33	864.59	60.38	0.0	
2278.31	45.41	60.38	1956.65	-10406.35	454.83	800.11	900.92	920.35	60.38	0.0	
2300.00	45.26	61.58	1971.90	-10391.10	462.31	813.60	916.05	935.78	60.39	4.0	
2400.00	44.72	67.19	2042.65	-10320.35	492.86	877.29	986.03	1006.26	60.67	4.0	
2500.00	44.46	72.88	2113.90	-10249.10	516.81	943.22	1056.13	1075.53	61.28	4.0	
2600.00	44.49	78.59	2185.28	-10177.72	534.06	1011.06	1125.99	1143.44	62.16	4.0	
2700.00	44.79	84.27	2256.46	-10106.54	544.51	1080.48	1195.29	1209.93	63.25	4.0	
2800.00	45.38	89.86	2327.09	-10035.91	548.12	1151.16	1263.67	1274.99	64.54	4.0	
2802.60	45.40	90.00	2328.92	-10034.08	548.13	1153.01	1265.44	1276.66	64.57	4.0	
2900.00	45.40	90.00	2397.31	-9965.69	548.13	1222.36	1331.46	1339.63	65.85	0.0	
3000.00	45.40	90.00	2467.53	-9895.47	548.13	1293.56	1399.24	1404.90	67.04	0.0	
3100.00	45.40	90.00	2537.74	-9825.26	548.13	1364.76	1467.03	1470.72	68.12	0.0	
3200.00	45.40	90.00	2607.96	-9755.04	548.13	1435.97	1534.81	1537.02	69.11	0.0	
3300.00	45.40	90.00	2678.17	-9684.83	548.13	1507.17	1602.60	1603.74	70.01	0.0	
3302.60	45.40	90.00	2680.00	-9683.00	548.13	1509.02	1604.37	1605.49	70.04	0.0	First Take Point
3400.00	42.96	90.00	2749.85	-9613.15	548.13	1576.89	1668.98	1669.44	70.83	2.5	
3500.00	40.45	90.00	2824.50	-9538.50	548.13	1643.41	1732.31	1732.41	71.55	2.5	
3597.46	38.00	90.00	2900.00	-9463.00	548.13	1705.03	1790.97	1790.97	72.18	2.5	

Targets

Target Name -hit/miss target -Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
First Take Point - proposal hits the target center - Point			2680.00	548.13	1509.02	1125110.56 N	2435448.12 E	36.99421600° N	107.43307300° W

Checked By:	Approved By:	Date:

Catamount Energy Partners
Proposal Report

Database:	San Juan Basin	**Local Coordinate Reference:**	Navajo Lake 1-11
Company:		**TVD Reference:**	Navajo Lake 1-11
Project:	Navajo Lake	**MD Reference:**	Navajo Lake 1-11
Site:	Navajo Lake	**North reference:**	Grid North
Well:	Navajo Lake 1-11	**Survey Calculation Method:**	Minimum Curvature
Wellbore:			
Proposal:	Navajo Lake 1-11 PH		