

Well Name: CARSON 32-4-32	Well Location: T32N / R4W / SEC 32 / SESE / 36.9393242 / -107.271542	County or Parish/State: RIO ARRIBA / NM
Well Number: 1H	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMNM130338	Unit or CA Name:	Unit or CA Number:
US Well Number: 300393148900X1	Operator: COLEMAN OIL & GAS INCORPORATED	

Notice of Intent

Sundry ID: 2865991

Type of Submission: Notice of Intent

Type of Action: APD Change

Date Sundry Submitted: 07/29/2025

Time Sundry Submitted: 04:03

Date proposed operation will begin: 08/08/2025

Procedure Description: Coleman Oil & Gas, Inc respectfully request change in the directional drilling plan. See the attached revised NMOCD C-102, Drilling Plan and Directional Plans.

NOI Attachments

Procedure Description

Carson_32_4_32_1H_C_102_Amended_C_102_Signed_dated_07_25_25_20250808094042.pdf

COG_Carson_32_4_32_1H_9_Point_BLM_Drilling_Plan_07_25_2025_20250729160305.pdf

Carson_32_4_32_1H_Lateral_1_Plan_2_20250729155906.pdf

Carson_32_4_32_1H_PH_Plan_2_20250729155905.pdf

Carson_32_4_32_1H_Lateral_2_Plan_2_20250729155906.pdf

Well Name: CARSON_32_4_32

Well Location: T32N / R4W / SEC 32 /
SESE / 36.9393242 / -107.271542County or Parish/State: RIO
ARRIBA / NM

Well Number: 1H

Type of Well: CONVENTIONAL GAS
WELL

Allottee or Tribe Name:

Lease Number: NMNM130338

Unit or CA Name:

Unit or CA Number:

US Well Number: 300393148900X1

Operator: COLEMAN OIL & GAS
INCORPORATED**Conditions of Approval****Additional**

Coleman_Oil_and_Gas_Inc_Carson_32_4_32_1H_APD_Change_2865991_MHK_20250811141704.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: MIKE HANSON

Signed on: AUG 08, 2025 09:41 AM

Name: COLEMAN OIL & GAS INCORPORATED

Title: ENGINEER

Street Address: NOT ENTERED

City: FARMINGTON

State: NM

Phone: (505) 566-1996

Email address: mhanson@cog-gmn.com

Field

Representative Name:

Street Address:

City:

State:

Zip:

Phone:

Email address:

BLM Point of Contact

BLM POC Name: MATTHEW H KADE

BLM POC Title: Petroleum Engineer

BLM POC Phone: 5055647736

BLM POC Email Address: MKADE@BLM.GOV

Disposition: Approved

Disposition Date: 08/11/2025

Signature: Matthew Kade

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

WELL LOCATION INFORMATION

API Number	Pool Code 71629	Pool Name BASIN FRUITLAND COAL
Property Code	Property Name CARSON 32-4-32	Well Number 1H
OGRID No. 4838	Operator Name COLEMAN OIL & GAS, INC.	Ground Level Elevation 7147
Surface Owner: ☐ State ☐ Fee ☐ Tribal ☐ Federal		Mineral Owner: ☐ State ☐ Fee ☐ Tribal ☐ Federal

Surface Location

UL P	Section 32	Township 32 N	Range 4 W	Lot	Ft. from N/S 1182 FSL	Ft. from E/W 740 FEL	Latitude 36.9393242° N	Longitude 107.2715420° W	County RIO ARriba
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Pilot Bottom Hole Location

UL P	Section 32	Township 32 N	Range 4 W	Lot	Ft. from N/S 1283 FSL	Ft. from E/W 1008 FEL	Latitude 36.9396032° N	Longitude 107.2724591° W	County RIO ARriba
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Dedicated Acres 320 (S/2)	Infill or Defining Well	Defining Well API	Overlapping Spacing Unit (Y/N)	Consolidation Code
Order Numbers.	Well setbacks are under Common Ownership: ☐ Yes ☐ No			

Pilot Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
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Pilot First Take Point (FTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
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Pilot Last Take Point (LTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
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Unitized Area or Area of Uniform Interest	Spacing Unit Type ☐ Horizontal ☐ Vertical	Ground Floor Elevation:
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OPERATOR CERTIFICATIONS

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is 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.

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.

Michael Hanson
Signature Date **7/28/2025**
Michael Hanson
Printed Name
mhanson@coq-fmw.com
E-mail Address

SURVEYOR CERTIFICATIONS

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. I further certify that United Field Services, Inc., located at 21 Road 3520 in Flora Vista, New Mexico is the company providing this information.


Signature and Seal of Professional Surveyor
14831
Certificate Number
04/07/20
Date of Field Survey
7/25/2025
Date of Certification

Note: No allowable will be assigned to this completion until all interests have been consolidated or a non-standard well has been approved by the division.

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

WELL LOCATION INFORMATION

API Number	Pool Code 71629	Pool Name BASIN FRUITLAND COAL
Property Code	Property Name CARSON 32-4-32	Well Number 1H
OGRID No. 4838	Operator Name COLEMAN OIL & GAS, INC.	Ground Level Elevation 7147
Surface Owner: ☐ State ☐ Fee ☐ Tribal ☐ Federal		Mineral Owner: ☐ State ☐ Fee ☐ Tribal ☐ Federal

Surface Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
P	32	32 N	4 W		1182 FSL	740 FEL	36.9393242° N	107.2715420° W	RIO ARRIBA

Lateral #1 Bottom Hole Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
M	32	32 N	4 W		660 FSL	660 FWL	36.9378773° N	107.2847036° W	RIO ARRIBA

Dedicated Acres 320 (S/2)	Infill or Defining Well	Defining Well API	Overlapping Spacing Unit (Y/N)	Consolidation Code
Order Numbers.	Well setbacks are under Common Ownership: ☐ Yes ☐ No			

Lateral #1 Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
P	32	32 N	4 W		1282 FSL	744 FEL	36.9395989° N	107.2715530° W	RIO ARRIBA

Lateral #1 First Take Point (FTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
P	32	32 N	4 W		1220 FSL	990 FEL	36.9394286° N	107.2723966° W	RIO ARRIBA

Lateral #1 Last Take Point (LTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
M	32	32 N	4 W		660 FSL	660 FWL	36.9378773° N	107.2847036° W	RIO ARRIBA

Utilized Area or Area of Uniform Interest	Spacing Unit Type ☐ Horizontal ☐ Vertical	Ground Floor Elevation:
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OPERATOR CERTIFICATIONS

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is 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.

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

Signature: Michael Hanson Date: 7/28/2025
Printed Name: Michael Hanson
E-mail Address: mhanson@COG-FMD.COM

SURVEYOR CERTIFICATIONS

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. I further certify that United Field Services, Inc. located at 21 Road 3520 in Flora Vista, New Mexico is the company providing this information.


Signature and Seal of Professional Surveyor: [Signature]
Certificate Number: 14831 Date of Field Survey: 04/07/20 Date of Certification: 7/25/2025

Note: No allowable will be assigned to this completion until all interests have been consolidated or a min-standard unit has been approved by the division.

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

WELL LOCATION INFORMATION

API Number	Pool Code 71629	Pool Name BASIN FRUITLAND COAL
Property Code	Property Name CARSON 32-4-32	Well Number 1H
OGRID No. 4838	Operator Name COLEMAN OIL & GAS, INC.	Ground Level Elevation 7147
Surface Owner: ☐ State ☐ Fee ☐ Tribal ☐ Federal		Mineral Owner: ☐ State ☐ Fee ☐ Tribal ☐ Federal

Surface Location

UL P	Section 32	Township 32 N	Range 4 W	Lot	Ft. from N/S 1182 FSL	Ft. from E/W 740 FEL	Latitude 36.9393242° N	Longitude 107.2715420° W	County RIO ARRIBA
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Lateral #2 Bottom Hole Location

UL L	Section 32	Township 32 N	Range 4 W	Lot	Ft. from N/S 1968 FSL	Ft. from E/W 660 FWL	Latitude 36.9414709° N	Longitude 107.2847222° W	County RIO ARRIBA
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Dedicated Acres 320 (S/2)	Infill or Defining Well	Defining Well API	Overlapping Spacing Unit (Y/N)	Consolidation Code
Order Numbers.	Well setbacks are under Common Ownership: ☐ Yes ☐ No			

Lateral #2 Kick Off Point (KOP)

UL P	Section 32	Township 32 N	Range 4 W	Lot	Ft. from N/S 1282 FSL	Ft. from E/W 718 FEL	Latitude 36.9395985° N	Longitude 107.2714650° W	County RIO ARRIBA
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Lateral #2 First Take Point (FTP)

UL I	Section 32	Township 32 N	Range 4 W	Lot	Ft. from N/S 1365 FSL	Ft. from E/W 995 FEL	Latitude 36.9398248° N	Longitude 107.2724138° W	County RIO ARRIBA
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Lateral #2 Last Take Point (LTP)

UL L	Section 32	Township 32 N	Range 4 W	Lot	Ft. from N/S 1968 FSL	Ft. from E/W 660 FWL	Latitude 36.9414709° N	Longitude 107.2847222° W	County RIO ARRIBA
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Unitized Area or Area of Uniform Interest	Spacing Unit Type ☐ Horizontal ☐ Vertical	Ground Floor Elevation:
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OPERATOR CERTIFICATIONS

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is 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.

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.

Signature: Michael L. Hanson Date: 7/28/2025
Printed Name: Michael L. Hanson
E-mail Address: mhanson@co9-fmw.com

SURVEYOR CERTIFICATIONS

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. I further certify that United Field Services, Inc., located at 21 Road 3520 in Flora Vista, New Mexico is the company providing this information.



Signature and Seal of Professional Surveyor: [Signature]
Certificate Number: 14831 Date of Field Survey: 04/07/20 Date of Certification: 7/25/2025

Note: No allowance will be assigned to this completion until all interests have been consolidated or a non-standard well has been approved by the division.

ACREAGE DEDICATION PLATS

This grid represents a standard section. You may superimpose a non-standard section, or larger area, over this grid. Operators must outline the dedicated acreage in a red box, clearly show the well surface location and bottom hole location, if it is directionally drilled, with dimensions from the section lines in the cardinal directions. If this is a horizontal wellbore show on this plat the location of the First Take Point and Last Take Point, and the point within the Completed interval (other than the First Take Point or Last Take Point) that is closest to any outer boundary of the tract.

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

United Field Services, Inc., located at 21 Road 3520, Flora Vista, New Mexico, is the company providing this plat.

Plat Revised: 07/22/25

UFSI PROJECT NO. 11837

NOTE: BEARINGS AND DISTANCES SHOWN ARE REFERENCED TO THE NEW MEXICO COORDINATE SYSTEM, WEST ZONE, NAD 83, UNLESS OTHERWISE NOTED

Legend:

- = SURFACE LOCATION
- ◇ = KICK OFF POINT (KOP)
- △ = FIRST TAKE POINT (FTP)
- = LAST TAKE POINT (LTP)/
- = BOTTOM HOLE LOCATION (BHL)
- ⊕ = FOUND MONUMENT AS NOTED

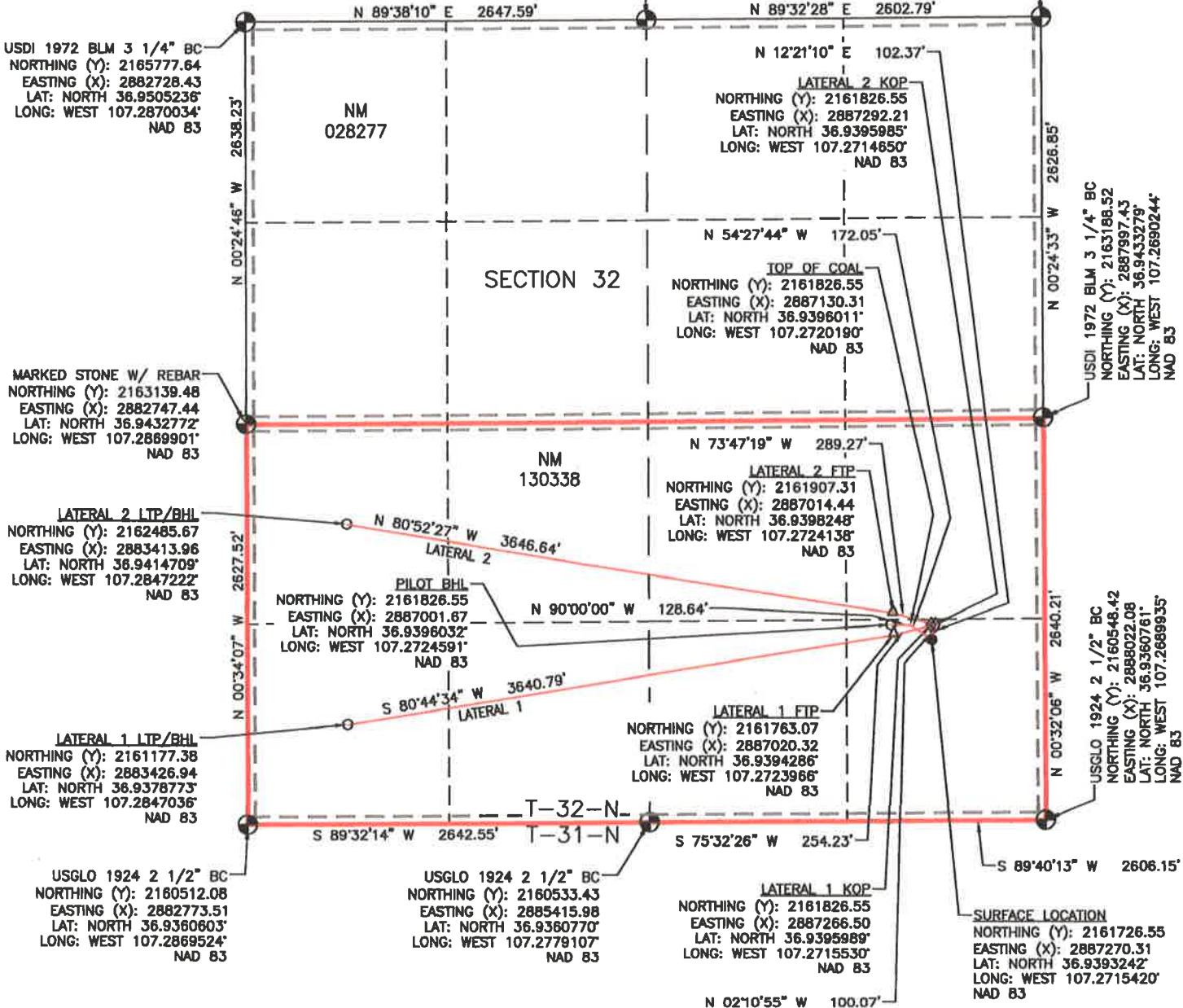
COLEMAN OIL & GAS, INC.				
CARSON 32-4-32 1H LATERAL 1				
FOOTAGES		SEC		
SHL	1182' FSL	740' FEL	32	
KOP	1282' FSL	744' FEL	32	
FTP	1220' FSL	990' FEL	32	
LTP/BHL	660' FSL	660' FWL	32	

COLEMAN OIL & GAS, INC.				
CARSON 32-4-32 1H LATERAL 2				
FOOTAGES		SEC		
SHL	1182' FSL	740' FEL	32	
KOP	1282' FSL	718' FEL	32	
FTP	1365' FSL	995' FEL	32	
LTP/BHL	1968' FSL	660' FWL	32	

COLEMAN OIL & GAS, INC.			
CARSON 32-4-32 1H PILOT			
FOOTAGES		SEC	
SHL	1182' FSL	740' FEL	32
TOP OF COAL	1283' FSL	880' FEL	32
BHL	1283' FSL	1008' FEL	32

USDI 1972 BLM 3 1/4" BC
NORTHING (Y): 2165794.46
EASTING (X): 2885375.97
LAT: NORTH 36.9505277
LONG: WEST 107.2779427
NAD 83

USDI 1972 BLM 3 1/4" BC
NORTHING (Y): 2165815.30
EASTING (X): 2887978.67
LAT: NORTH 36.9505430
LONG: WEST 107.2690353
NAD 83



Carson 32-4-32 1H, Lateral 1 Plan 2

**Coleman Oil & Gas
Proposal Report**

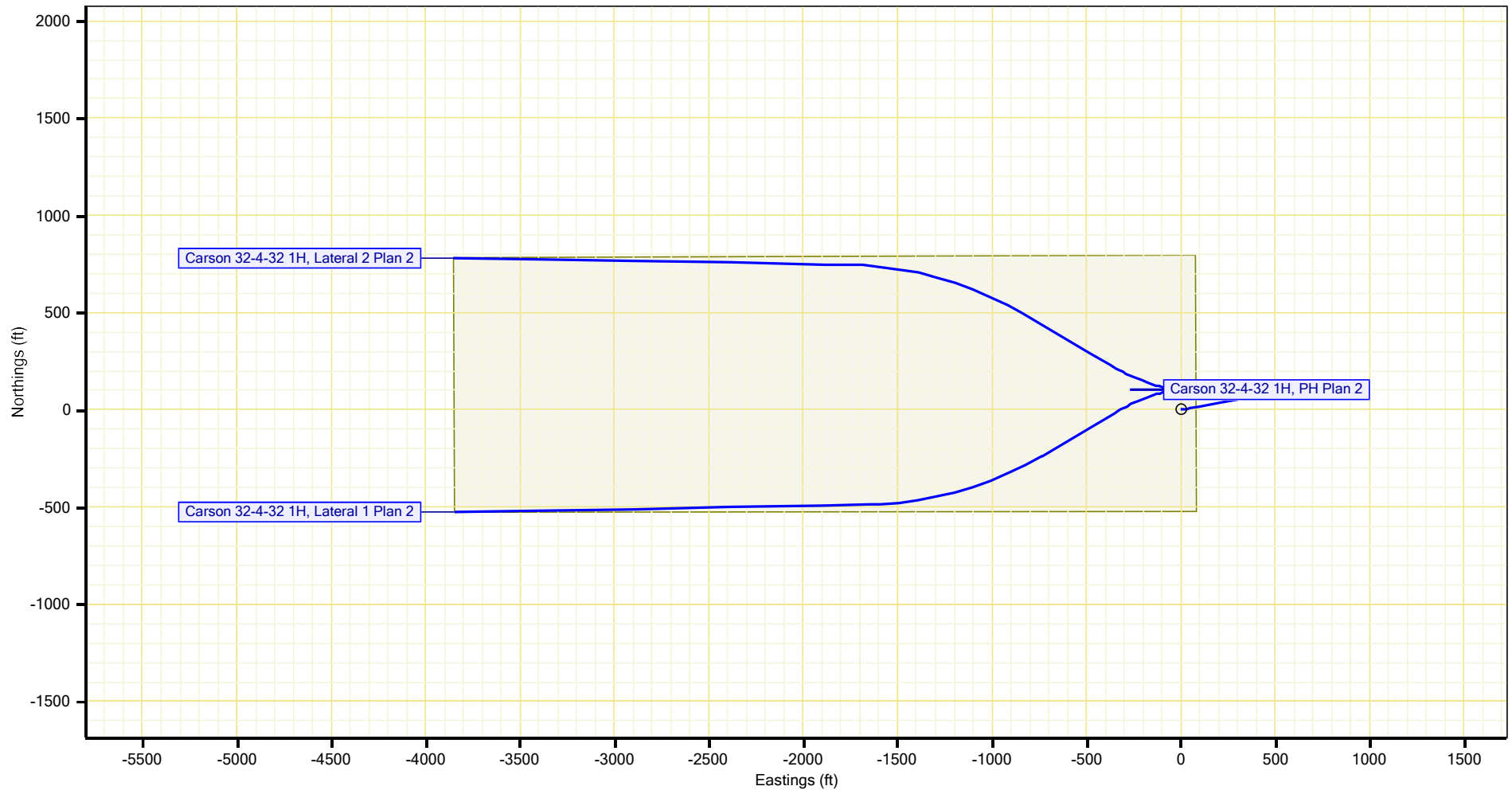
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Carson

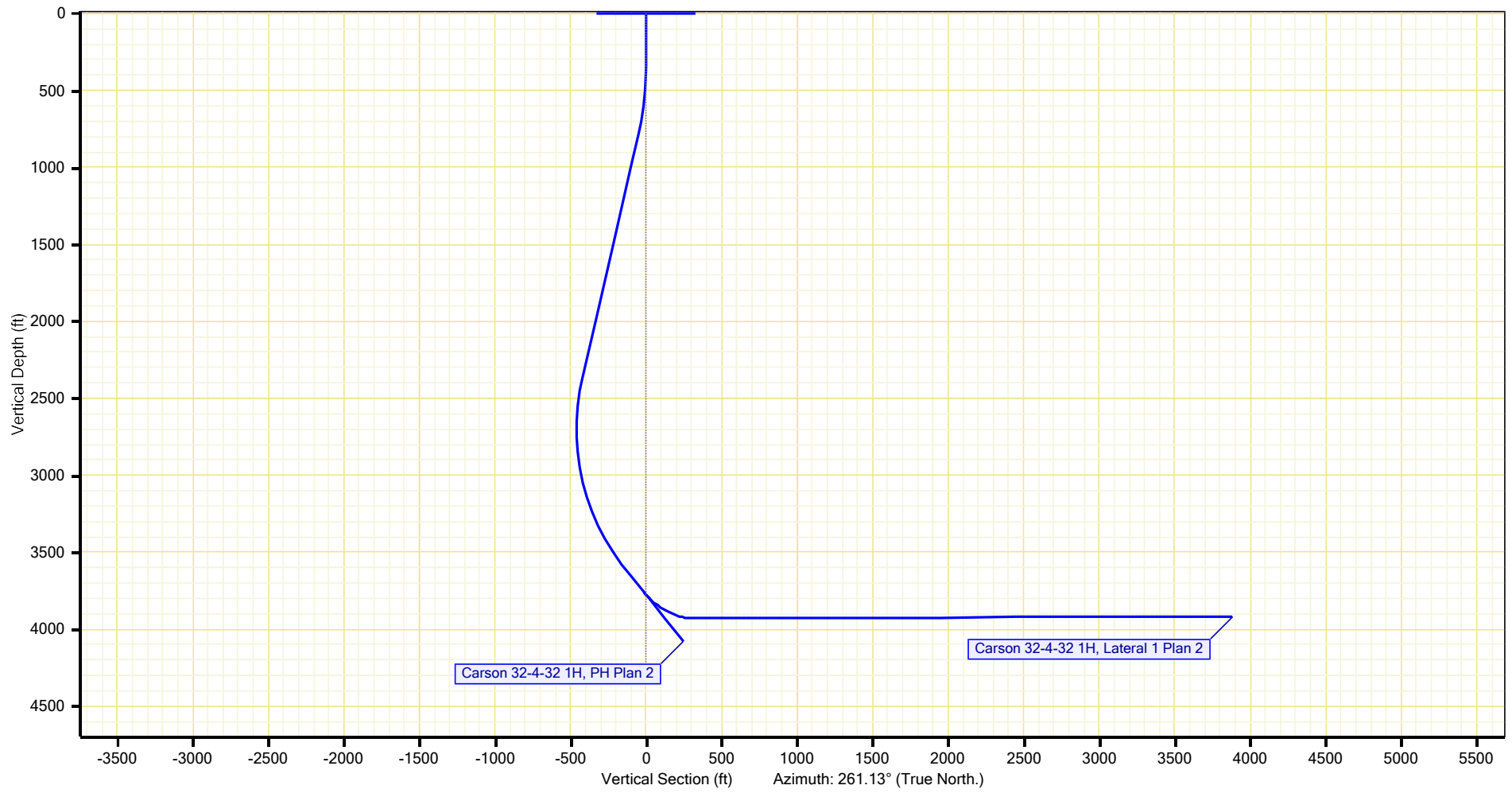
Carson





Carson

Carson 32-4-32 1H



Coleman Oil & Gas

Proposal Report



Database:	San Juan Basin	Local Coordinate Reference:	Carson 32-4-32 1H
Company:		TVD Reference:	Carson 32-4-32 1H
Project:	Carson	MD Reference:	Carson 32-4-32 1H
Site:	Carson 32-4-32 1H	North reference:	True North
Well:	Carson 32-4-32 1H	Survey Calculation Method:	Minimum Curvature
Wellbore:			
Proposal:	Lateral 1 Plan 2		

Project	Carson		
Map System:	NAD83 New Mexico State Planes	System Datum:	Mean Sea Level
Geo Datum:	NAD 1983		
Map Zone:	Western Zone		

Site	Carson 32-4-32 1H				
Site Position:		Northing:	2178978.40 N	Latitude:	36.98712640° N
From:	Map	Easting:	2859070.52 E	Longitude:	107.36774520° W
Position Uncertainty:	0.00ft	Slot Radius:	0in	Grid Convergence:	0.28°

Well	Carson 32-4-32 1H					
Well Position:	+N/-S	-17417.73ft	Northing:	2161726.54 N	Latitude:	36.93932420° N
	+E/-W	28097.63ft	Easting:	2887270.30 E	Longitude:	107.27154200° W
Position Uncertainty:		1.00ft	Wellhead Elevation:	7162.00ft	Ground Level:	7147.00ft

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	USER DEFINED	7/1/2025	0.00	0.00	0.0

Proposal	Lateral 1 Plan 2		
Audit Notes:			
Version:	Phase:	Tie On Depth:	3935.00ft

Vertical Section:	Depth from TVD (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.00	0.00	0.00	262.21

Survey Program		7/2/2025		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
0.00	3940.00	PH Plan 2	MWD	MWD
3940.00	7954.76	Lateral 1 Plan 2	MWD	MWD

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
3935.00	40.00	270.00	3761.69	100.00	-3.81					
4342.69	90.21	239.92	3931.00	-11.30	-338.72	13.8	12.3	-7.4	-37.00	
4352.65	90.22	240.22	3930.96	-16.27	-347.35	3.0	0.1	3.0	87.47	
4795.39	90.22	240.22	3929.24	-236.18	-731.61	0.0	0.0	0.0	0.00	
5754.76	90.22	269.00	3925.45	-488.12	-1646.88	3.0	0.0	3.0	89.95	
7954.76	90.22	269.00	3917.00	-526.52	-3846.53	0.0	0.0	0.0	0.00	Lat 1 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	-7162.00	0.00	0.00	0.00	0.00	0.00	0.0	MWD
100.00	0.00	0.00	100.00	-7062.00	0.00	0.00	0.00	0.00	0.00	0.0	
200.00	0.00	0.00	200.00	-6962.00	0.00	0.00	0.00	0.00	0.00	0.0	
300.00	0.00	0.00	300.00	-6862.00	0.00	0.00	0.00	0.00	0.00	0.0	
350.00	0.00	0.00	350.00	-6812.00	0.00	0.00	0.00	0.00	0.00	0.0	

Coleman Oil & Gas

Proposal Report



Database:	San Juan Basin	Local Coordinate Reference:	Carson 32-4-32 1H
Company:		TVD Reference:	Carson 32-4-32 1H
Project:	Carson	MD Reference:	Carson 32-4-32 1H
Site:	Carson 32-4-32 1H	North reference:	True North
Well:	Carson 32-4-32 1H	Survey Calculation Method:	Minimum Curvature
Wellbore:			
Proposal:	Lateral 1 Plan 2		

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
400.00	1.50	80.16	399.99	-6762.01	0.11	0.64	-0.65	0.65	80.16	3.0	
500.00	4.50	80.16	499.85	-6662.15	1.01	5.80	-5.88	5.89	80.16	3.0	
600.00	7.50	80.16	599.29	-6562.71	2.79	16.10	-16.33	16.34	80.16	3.0	
700.00	10.50	80.16	698.04	-6463.96	5.47	31.51	-31.96	31.98	80.16	3.0	
788.98	13.17	80.16	785.13	-6376.87	8.59	49.49	-50.20	50.23	80.16	3.0	
800.00	13.17	80.16	795.86	-6366.14	9.02	51.96	-52.70	52.74	80.16	0.0	
900.00	13.17	80.16	893.23	-6268.77	12.91	74.41	-75.47	75.52	80.16	0.0	
1000.00	13.17	80.16	990.60	-6171.40	16.81	96.86	-98.24	98.31	80.16	0.0	
1100.00	13.17	80.16	1087.97	-6074.03	20.70	119.31	-121.01	121.09	80.16	0.0	
1200.00	13.17	80.16	1185.34	-5976.66	24.60	141.75	-143.78	143.87	80.16	0.0	
1300.00	13.17	80.16	1282.71	-5879.29	28.49	164.20	-166.55	166.66	80.16	0.0	
1400.00	13.17	80.16	1380.08	-5781.92	32.39	186.65	-189.32	189.44	80.16	0.0	
1500.00	13.17	80.16	1477.45	-5684.55	36.28	209.10	-212.09	212.22	80.16	0.0	
1600.00	13.17	80.16	1574.82	-5587.18	40.18	231.55	-234.86	235.01	80.16	0.0	
1700.00	13.17	80.16	1672.19	-5489.81	44.07	253.99	-257.62	257.79	80.16	0.0	
1800.00	13.17	80.16	1769.56	-5392.44	47.97	276.44	-280.39	280.57	80.16	0.0	
1900.00	13.17	80.16	1866.93	-5295.07	51.86	298.89	-303.16	303.36	80.16	0.0	
2000.00	13.17	80.16	1964.30	-5197.70	55.76	321.34	-325.93	326.14	80.16	0.0	
2100.00	13.17	80.16	2061.67	-5100.33	59.65	343.79	-348.70	348.92	80.16	0.0	
2200.00	13.17	80.16	2159.04	-5002.96	63.55	366.23	-371.47	371.71	80.16	0.0	
2300.00	13.17	80.16	2256.41	-4905.59	67.44	388.68	-394.24	394.49	80.16	0.0	
2400.00	13.17	80.16	2353.78	-4808.22	71.34	411.13	-417.01	417.27	80.16	0.0	
2421.50	13.17	80.16	2374.71	-4787.29	72.17	415.95	-421.90	422.17	80.16	0.0	
2500.00	10.07	77.69	2451.59	-4710.41	75.17	431.47	-437.68	437.97	80.12	4.0	
2600.00	6.17	71.01	2550.57	-4611.43	78.78	445.10	-451.68	452.02	79.96	4.0	
2700.00	2.62	44.61	2650.27	-4511.73	82.16	451.80	-458.77	459.21	79.69	4.0	
2800.00	2.76	308.50	2750.20	-4411.80	85.29	451.52	-458.92	459.51	79.30	4.0	
2900.00	6.35	284.23	2849.88	-4312.12	88.14	444.28	-452.13	452.94	78.78	4.0	
3000.00	10.25	277.85	2948.81	-4213.19	90.72	430.10	-438.43	439.56	78.09	4.0	
3100.00	14.20	274.98	3046.53	-4115.47	93.00	409.05	-417.89	419.49	77.19	4.0	
3200.00	18.18	273.34	3142.54	-4019.46	94.97	381.25	-390.61	392.90	76.01	4.0	
3300.00	22.16	272.27	3236.39	-3925.61	96.63	346.82	-356.72	360.03	74.43	4.0	
3400.00	26.15	271.52	3327.62	-3834.38	97.96	305.93	-316.39	321.23	72.24	4.0	
3500.00	30.14	270.95	3415.78	-3746.22	98.97	258.78	-269.81	277.06	69.07	4.0	
3600.00	34.13	270.51	3500.44	-3661.56	99.63	205.60	-217.21	228.47	64.15	4.0	
3700.00	38.13	270.15	3581.19	-3580.81	99.96	146.65	-158.85	177.48	55.72	4.0	
3746.87	40.00	270.00	3617.58	-3544.42	100.00	117.12	-129.59	154.00	49.51	4.0	
3800.00	40.00	270.00	3658.28	-3503.72	100.00	82.97	-95.76	129.94	39.68	0.0	
3900.00	40.00	270.00	3734.88	-3427.12	100.00	18.69	-32.08	101.73	10.59	0.0	
3935.00	40.00	270.00	3761.69	-3400.31	100.00	-3.81	-9.79	100.07	357.82	0.0	
3940.00	40.55	269.36	3765.51	-3396.49	99.98	-7.04	-6.58	100.23	355.97	13.8	MWD
4000.00	47.44	262.66	3808.67	-3353.33	96.94	-48.53	34.94	108.41	333.40	13.8	
4100.00	59.54	254.29	3868.12	-3293.88	80.48	-126.93	114.84	150.30	302.38	13.8	
4200.00	72.06	247.81	3909.07	-3252.93	50.70	-212.89	204.04	218.84	283.40	13.8	
4261.60	79.87	244.30	3924.00	-3238.00	26.45	-267.44	261.38	268.74	275.65	13.8	Top of Coal
4300.00	84.76	242.21	3929.13	-3232.87	9.32	-301.41	297.36	301.56	271.77	13.8	
4342.69	90.21	239.92	3931.00	-3231.00	-11.30	-338.72	337.13	338.91	268.09	13.8	
4352.65	90.22	240.22	3930.96	-3231.04	-16.27	-347.35	346.35	347.73	267.32	3.0	
4400.00	90.22	240.22	3930.78	-3231.22	-39.79	-388.45	390.25	390.48	264.15	0.0	
4500.00	90.22	240.22	3930.39	-3231.61	-89.46	-475.24	482.98	483.59	259.34	0.0	

Coleman Oil & Gas

Proposal Report



Database:	San Juan Basin	Local Coordinate Reference:	Carson 32-4-32 1H
Company:		TVD Reference:	Carson 32-4-32 1H
Project:	Carson	MD Reference:	Carson 32-4-32 1H
Site:	Carson 32-4-32 1H	North reference:	True North
Well:	Carson 32-4-32 1H	Survey Calculation Method:	Minimum Curvature
Wellbore:			
Proposal:	Lateral 1 Plan 2		

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
4600.00	90.22	240.22	3930.00	-3232.00	-139.13	-562.03	575.71	578.99	256.10	0.0	
4700.00	90.22	240.22	3929.61	-3232.39	-188.80	-648.82	668.43	675.73	253.78	0.0	
4795.39	90.22	240.22	3929.24	-3232.76	-236.18	-731.61	756.88	768.79	252.11	0.0	
4800.00	90.22	240.36	3929.22	-3232.78	-238.46	-735.62	761.16	773.30	252.04	3.0	
4900.00	90.23	243.36	3928.83	-3233.17	-285.62	-823.78	854.91	871.89	250.88	3.0	
5000.00	90.23	246.36	3928.43	-3233.57	-328.11	-914.30	950.35	971.39	250.26	3.0	
5100.00	90.23	249.36	3928.03	-3233.97	-365.79	-1006.91	1047.22	1071.30	250.03	3.0	
5200.00	90.23	252.36	3927.64	-3234.36	-398.58	-1101.37	1145.25	1171.27	250.10	3.0	
5300.00	90.23	255.36	3927.24	-3234.76	-426.38	-1197.41	1244.18	1271.06	250.40	3.0	
5400.00	90.23	258.36	3926.84	-3235.16	-449.12	-1294.78	1343.73	1370.46	250.87	3.0	
5500.00	90.23	261.36	3926.44	-3235.56	-466.73	-1393.21	1443.63	1469.31	251.48	3.0	
5600.00	90.22	264.36	3926.05	-3235.95	-479.16	-1492.42	1543.61	1567.45	252.20	3.0	
5700.00	90.22	267.36	3925.66	-3236.34	-486.38	-1592.15	1643.40	1664.78	253.01	3.0	
5754.76	90.22	269.00	3925.45	-3236.55	-488.12	-1646.88	1697.86	1717.70	253.49	3.0	
5800.00	90.22	269.00	3925.27	-3236.73	-488.91	-1692.11	1742.78	1761.33	253.88	0.0	
5900.00	90.22	269.00	3924.89	-3237.11	-490.66	-1792.09	1842.08	1858.05	254.69	0.0	
6000.00	90.22	269.00	3924.51	-3237.49	-492.40	-1892.08	1941.38	1955.10	255.41	0.0	
6100.00	90.22	269.00	3924.12	-3237.88	-494.15	-1992.06	2040.67	2052.44	256.07	0.0	
6200.00	90.22	269.00	3923.74	-3238.26	-495.90	-2092.05	2139.97	2150.02	256.66	0.0	
6300.00	90.22	269.00	3923.35	-3238.65	-497.64	-2192.03	2239.27	2247.81	257.21	0.0	
6400.00	90.22	269.00	3922.97	-3239.03	-499.39	-2292.01	2338.56	2345.79	257.71	0.0	
6500.00	90.22	269.00	3922.59	-3239.41	-501.13	-2392.00	2437.86	2443.93	258.17	0.0	
6600.00	90.22	269.00	3922.20	-3239.80	-502.88	-2491.98	2537.16	2542.22	258.59	0.0	
6700.00	90.22	269.00	3921.82	-3240.18	-504.62	-2591.97	2636.45	2640.63	258.98	0.0	
6800.00	90.22	269.00	3921.43	-3240.57	-506.37	-2691.95	2735.75	2739.16	259.35	0.0	
6900.00	90.22	269.00	3921.05	-3240.95	-508.11	-2791.93	2835.05	2837.79	259.69	0.0	
7000.00	90.22	269.00	3920.67	-3241.33	-509.86	-2891.92	2934.35	2936.52	260.00	0.0	
7100.00	90.22	269.00	3920.28	-3241.72	-511.60	-2991.90	3033.64	3035.33	260.30	0.0	
7200.00	90.22	269.00	3919.90	-3242.10	-513.35	-3091.89	3132.94	3134.21	260.57	0.0	
7300.00	90.22	269.00	3919.51	-3242.49	-515.09	-3191.87	3232.24	3233.16	260.83	0.0	
7400.00	90.22	269.00	3919.13	-3242.87	-516.84	-3291.85	3331.53	3332.18	261.08	0.0	
7500.00	90.22	269.00	3918.75	-3243.25	-518.58	-3391.84	3430.83	3431.25	261.31	0.0	
7600.00	90.22	269.00	3918.36	-3243.64	-520.33	-3491.82	3530.13	3530.38	261.52	0.0	
7700.00	90.22	269.00	3917.98	-3244.02	-522.07	-3591.81	3629.42	3629.55	261.73	0.0	
7800.00	90.22	269.00	3917.59	-3244.41	-523.82	-3691.79	3728.72	3728.77	261.92	0.0	
7900.00	90.22	269.00	3917.21	-3244.79	-525.56	-3791.77	3828.02	3828.02	262.11	0.0	
7954.76	90.22	269.00	3917.00	-3245.00	-526.52	-3846.53	3882.40	3882.40	262.21	0.0	Lat 1 TD

Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
-hit/miss target									
-Shape									
Lat 1 TD			3917.00	-526.52	-3846.53	2161177.37 N	2883426.94 E	36.93787729° N	107.28470358° W
- proposal hits the target center									
- Point									

Coleman Oil & Gas
Proposal Report



Database:	San Juan Basin	Local Coordinate Reference:	Carson 32-4-32 1H
Company:		TVD Reference:	Carson 32-4-32 1H
Project:	Carson	MD Reference:	Carson 32-4-32 1H
Site:	Carson 32-4-32 1H	North reference:	True North
Well:	Carson 32-4-32 1H	Survey Calculation Method:	Minimum Curvature
Wellbore:			
Proposal:	Lateral 1 Plan 2		

Proposal Annotations				
Measured Depth (ft)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Comment
4261.60	3924.00	26.45	-267.44	Top of Coal

Checked By:	Approved By:	Date:
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Carson 32-4-32 1H, Lateral 2 Plan 2

**Coleman Oil & Gas
Proposal Report**

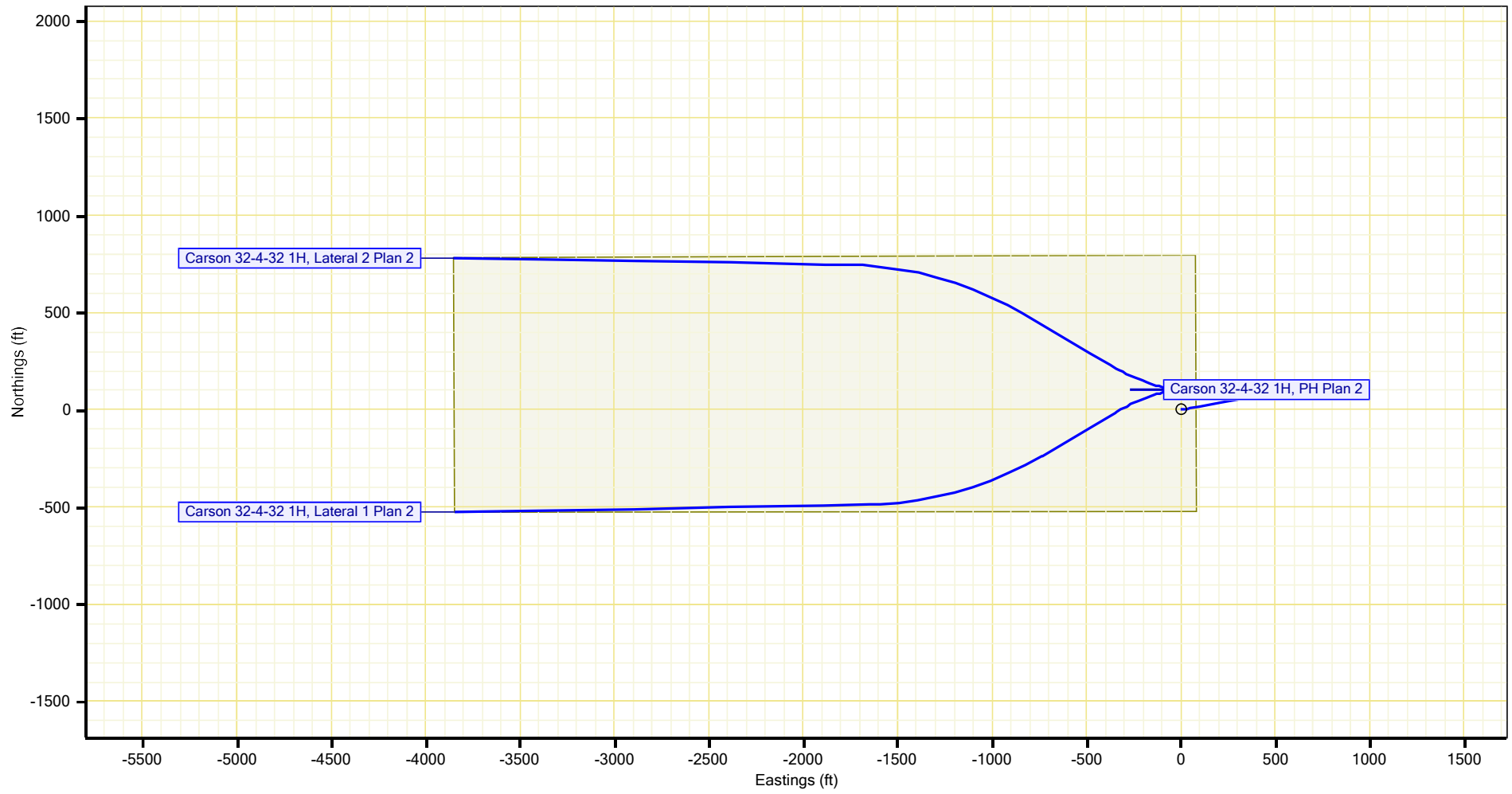
KellyDown - Version: 4.01.02.04





Carson

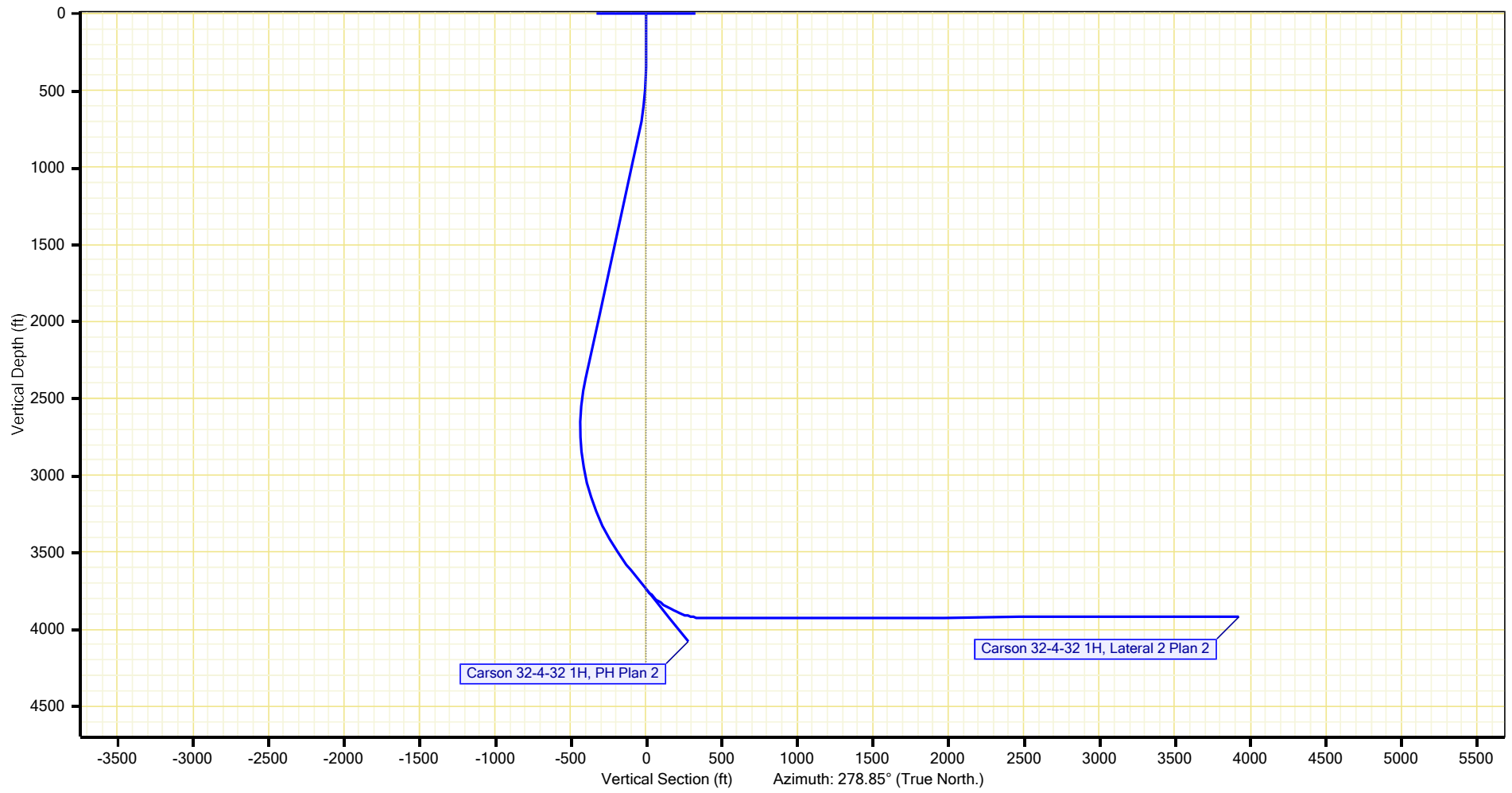
Carson





Carson

Carson 32-4-32 1H



Coleman Oil & Gas

Proposal Report



Database:	San Juan Basin	Local Coordinate Reference:	Carson 32-4-32 1H
Company:		TVD Reference:	Carson 32-4-32 1H
Project:	Carson	MD Reference:	Carson 32-4-32 1H
Site:	Carson 32-4-32 1H	North reference:	True North
Well:	Carson 32-4-32 1H	Survey Calculation Method:	Minimum Curvature
Wellbore:			
Proposal:	Lateral 2 Plan 2		

Project	Carson		
Map System:	NAD83 New Mexico State Planes	System Datum:	Mean Sea Level
Geo Datum:	NAD 1983		
Map Zone:	Western Zone		

Site	Carson 32-4-32 1H				
Site Position:		Northing:	2178978.40 N	Latitude:	36.98712640° N
From:	Map	Easting:	2859070.52 E	Longitude:	107.36774520° W
Position Uncertainty:	0.00ft	Slot Radius:	0in	Grid Convergence:	0.28°

Well	Carson 32-4-32 1H					
Well Position:	+N/-S	-17417.73ft	Northing:	2161726.54 N	Latitude:	36.93932420° N
	+E/-W	28097.63ft	Easting:	2887270.30 E	Longitude:	107.27154200° W
Position Uncertainty:		1.00ft	Wellhead Elevation:	7162.00ft	Ground Level:	7147.00ft

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	USER DEFINED	7/1/2025	0.00	0.00	0.0

Proposal	Lateral 2 Plan 2		
Audit Notes:			
Version:	Phase:	Tie On Depth:	3895.00ft

Vertical Section:	Depth from TVD (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.00	0.00	0.00	281.47

Survey Program		7/2/2025		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
0.00	3900.00	PH Plan 2	MWD	MWD
3900.00	7967.84	Lateral 2 Plan 2	MWD	MWD

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
3895.00	40.00	270.00	3731.05	100.00	21.90					
4374.43	90.22	299.64	3930.00	229.08	-372.74	11.7	10.5	6.2	36.50	
4374.89	90.23	299.65	3930.00	229.31	-373.13	3.0	2.7	1.3	26.56	
4912.97	90.23	299.65	3927.82	495.47	-840.78	0.0	0.0	0.0	0.00	
5867.84	90.24	271.00	3923.80	745.18	-1752.13	3.0	0.0	-3.0	-89.92	
7967.84	90.24	271.00	3915.00	781.83	-3851.79	0.0	0.0	0.0	0.00	Lateral 2 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	-7162.00	0.00	0.00	0.00	0.00	0.00	0.0	MWD
100.00	0.00	0.00	100.00	-7062.00	0.00	0.00	0.00	0.00	0.00	0.0	
200.00	0.00	0.00	200.00	-6962.00	0.00	0.00	0.00	0.00	0.00	0.0	
300.00	0.00	0.00	300.00	-6862.00	0.00	0.00	0.00	0.00	0.00	0.0	
350.00	0.00	0.00	350.00	-6812.00	0.00	0.00	0.00	0.00	0.00	0.0	

Coleman Oil & Gas

Proposal Report



Database:	San Juan Basin	Local Coordinate Reference:	Carson 32-4-32 1H
Company:		TVD Reference:	Carson 32-4-32 1H
Project:	Carson	MD Reference:	Carson 32-4-32 1H
Site:	Carson 32-4-32 1H	North reference:	True North
Well:	Carson 32-4-32 1H	Survey Calculation Method:	Minimum Curvature
Wellbore:			
Proposal:	Lateral 2 Plan 2		

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
400.00	1.50	80.16	399.99	-6762.01	0.11	0.64	-0.61	0.65	80.16	3.0	
500.00	4.50	80.16	499.85	-6662.15	1.01	5.80	-5.48	5.89	80.16	3.0	
600.00	7.50	80.16	599.29	-6562.71	2.79	16.10	-15.22	16.34	80.16	3.0	
700.00	10.50	80.16	698.04	-6463.96	5.47	31.51	-29.79	31.98	80.16	3.0	
788.98	13.17	80.16	785.13	-6376.87	8.59	49.49	-46.79	50.23	80.16	3.0	
800.00	13.17	80.16	795.86	-6366.14	9.02	51.96	-49.13	52.74	80.16	0.0	
900.00	13.17	80.16	893.23	-6268.77	12.91	74.41	-70.35	75.52	80.16	0.0	
1000.00	13.17	80.16	990.60	-6171.40	16.81	96.86	-91.58	98.31	80.16	0.0	
1100.00	13.17	80.16	1087.97	-6074.03	20.70	119.31	-112.80	121.09	80.16	0.0	
1200.00	13.17	80.16	1185.34	-5976.66	24.60	141.75	-134.03	143.87	80.16	0.0	
1300.00	13.17	80.16	1282.71	-5879.29	28.49	164.20	-155.25	166.66	80.16	0.0	
1400.00	13.17	80.16	1380.08	-5781.92	32.39	186.65	-176.48	189.44	80.16	0.0	
1500.00	13.17	80.16	1477.45	-5684.55	36.28	209.10	-197.70	212.22	80.16	0.0	
1600.00	13.17	80.16	1574.82	-5587.18	40.18	231.55	-218.93	235.01	80.16	0.0	
1700.00	13.17	80.16	1672.19	-5489.81	44.07	253.99	-240.15	257.79	80.16	0.0	
1800.00	13.17	80.16	1769.56	-5392.44	47.97	276.44	-261.38	280.57	80.16	0.0	
1900.00	13.17	80.16	1866.93	-5295.07	51.86	298.89	-282.60	303.36	80.16	0.0	
2000.00	13.17	80.16	1964.30	-5197.70	55.76	321.34	-303.82	326.14	80.16	0.0	
2100.00	13.17	80.16	2061.67	-5100.33	59.65	343.79	-325.05	348.92	80.16	0.0	
2200.00	13.17	80.16	2159.04	-5002.96	63.55	366.23	-346.27	371.71	80.16	0.0	
2300.00	13.17	80.16	2256.41	-4905.59	67.44	388.68	-367.50	394.49	80.16	0.0	
2400.00	13.17	80.16	2353.78	-4808.22	71.34	411.13	-388.72	417.27	80.16	0.0	
2421.50	13.17	80.16	2374.71	-4787.29	72.17	415.95	-393.29	422.17	80.16	0.0	
2500.00	10.07	77.69	2451.59	-4710.41	75.17	431.47	-407.90	437.97	80.12	4.0	
2600.00	6.17	71.01	2550.57	-4611.43	78.78	445.10	-420.54	452.02	79.96	4.0	
2700.00	2.62	44.61	2650.27	-4511.73	82.16	451.80	-426.43	459.21	79.69	4.0	
2800.00	2.76	308.50	2750.20	-4411.80	85.29	451.52	-425.53	459.51	79.30	4.0	
2900.00	6.35	284.23	2849.88	-4312.12	88.14	444.28	-417.86	452.94	78.78	4.0	
3000.00	10.25	277.85	2948.81	-4213.19	90.72	430.10	-403.46	439.56	78.09	4.0	
3100.00	14.20	274.98	3046.53	-4115.47	93.00	409.05	-382.38	419.49	77.19	4.0	
3200.00	18.18	273.34	3142.54	-4019.46	94.97	381.25	-354.74	392.90	76.01	4.0	
3300.00	22.16	272.27	3236.39	-3925.61	96.63	346.82	-320.67	360.03	74.43	4.0	
3400.00	26.15	271.52	3327.62	-3834.38	97.96	305.93	-280.33	321.23	72.24	4.0	
3500.00	30.14	270.95	3415.78	-3746.22	98.97	258.78	-233.92	277.06	69.07	4.0	
3600.00	34.13	270.51	3500.44	-3661.56	99.63	205.60	-181.67	228.47	64.15	4.0	
3700.00	38.13	270.15	3581.19	-3580.81	99.96	146.65	-123.84	177.48	55.72	4.0	
3746.87	40.00	270.00	3617.58	-3544.42	100.00	117.12	-94.88	154.00	49.51	4.0	
3800.00	40.00	270.00	3658.28	-3503.72	100.00	82.97	-61.42	129.94	39.68	0.0	
3895.00	40.00	270.00	3731.05	-3430.95	100.00	21.90	-1.57	102.37	12.35	0.0	
3900.00	40.47	270.54	3734.87	-3427.13	100.02	18.67	1.60	101.74	10.57	11.7	MWD
4000.00	50.34	279.49	3805.06	-3356.94	106.69	-52.00	72.18	118.68	334.02	11.7	
4100.00	60.72	286.13	3861.62	-3300.38	125.22	-132.14	154.41	182.04	313.46	11.7	
4200.00	71.37	291.53	3902.18	-3259.82	154.83	-218.41	244.84	267.72	305.33	11.7	
4286.25	80.67	295.65	3923.00	-3239.00	188.34	-294.98	326.55	349.98	302.56	11.7	Top of Coal
4300.00	82.16	296.28	3925.06	-3236.94	194.29	-307.21	339.72	363.49	302.31	11.7	
4374.43	90.22	299.64	3930.00	-3232.00	229.08	-372.74	410.86	437.51	301.57	11.7	
4374.89	90.23	299.65	3930.00	-3232.00	229.31	-373.13	411.29	437.96	301.57	3.0	
4400.00	90.23	299.65	3929.90	-3232.10	241.73	-394.96	435.15	463.06	301.47	0.0	
4500.00	90.23	299.65	3929.49	-3232.51	291.20	-481.87	530.16	563.02	301.14	0.0	
4600.00	90.23	299.65	3929.09	-3232.91	340.66	-568.78	625.17	662.99	300.92	0.0	

Coleman Oil & Gas

Proposal Report



Database:	San Juan Basin	Local Coordinate Reference:	Carson 32-4-32 1H
Company:		TVD Reference:	Carson 32-4-32 1H
Project:	Carson	MD Reference:	Carson 32-4-32 1H
Site:	Carson 32-4-32 1H	North reference:	True North
Well:	Carson 32-4-32 1H	Survey Calculation Method:	Minimum Curvature
Wellbore:			
Proposal:	Lateral 2 Plan 2		

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
4700.00	90.23	299.65	3928.68	-3233.32	390.12	-655.69	720.19	762.97	300.75	0.0	
4800.00	90.23	299.65	3928.27	-3233.73	439.59	-742.59	815.20	862.95	300.62	0.0	
4900.00	90.23	299.65	3927.87	-3234.13	489.05	-829.50	910.21	962.94	300.52	0.0	
4912.97	90.23	299.65	3927.82	-3234.18	495.47	-840.78	922.54	975.91	300.51	0.0	
5000.00	90.24	297.04	3927.46	-3234.54	536.78	-917.37	1005.81	1062.87	300.33	3.0	
5100.00	90.24	294.04	3927.05	-3234.95	579.88	-1007.59	1102.80	1162.54	299.92	3.0	
5200.00	90.24	291.04	3926.63	-3235.37	618.20	-1099.94	1200.93	1261.76	299.34	3.0	
5300.00	90.24	288.04	3926.21	-3235.79	651.63	-1194.17	1299.93	1360.40	298.62	3.0	
5400.00	90.24	285.04	3925.78	-3236.22	680.09	-1290.03	1399.53	1458.32	297.80	3.0	
5500.00	90.24	282.04	3925.36	-3236.64	703.49	-1387.24	1499.45	1555.42	296.89	3.0	
5600.00	90.24	279.04	3924.93	-3237.07	721.77	-1485.54	1599.43	1651.60	295.91	3.0	
5700.00	90.24	276.04	3924.50	-3237.50	734.89	-1584.66	1699.18	1746.77	294.88	3.0	
5800.00	90.24	273.04	3924.08	-3237.92	742.79	-1684.34	1798.43	1840.85	293.80	3.0	
5867.84	90.24	271.00	3923.80	-3238.20	745.18	-1752.13	1865.35	1904.01	293.04	3.0	
5900.00	90.24	271.00	3923.66	-3238.34	745.74	-1784.29	1896.97	1933.86	292.68	0.0	
6000.00	90.24	271.00	3923.24	-3238.76	747.49	-1884.27	1995.30	2027.12	291.64	0.0	
6100.00	90.24	271.00	3922.82	-3239.18	749.23	-1984.25	2093.64	2120.99	290.69	0.0	
6200.00	90.24	271.00	3922.41	-3239.59	750.98	-2084.24	2191.97	2215.40	289.81	0.0	
6300.00	90.24	271.00	3921.99	-3240.01	752.72	-2184.22	2290.30	2310.28	289.01	0.0	
6400.00	90.24	271.00	3921.57	-3240.43	754.47	-2284.20	2388.64	2405.58	288.28	0.0	
6500.00	90.24	271.00	3921.15	-3240.85	756.21	-2384.19	2486.97	2501.24	287.60	0.0	
6600.00	90.24	271.00	3920.73	-3241.27	757.96	-2484.17	2585.30	2597.23	286.97	0.0	
6700.00	90.24	271.00	3920.31	-3241.69	759.70	-2584.16	2683.63	2693.51	286.38	0.0	
6800.00	90.24	271.00	3919.89	-3242.11	761.45	-2684.14	2781.97	2790.06	285.84	0.0	
6900.00	90.24	271.00	3919.47	-3242.53	763.19	-2784.12	2880.30	2886.83	285.33	0.0	
7000.00	90.24	271.00	3919.05	-3242.95	764.94	-2884.11	2978.63	2983.83	284.85	0.0	
7100.00	90.24	271.00	3918.64	-3243.36	766.68	-2984.09	3076.97	3081.01	284.41	0.0	
7200.00	90.24	271.00	3918.22	-3243.78	768.43	-3084.08	3175.30	3178.37	283.99	0.0	
7300.00	90.24	271.00	3917.80	-3244.20	770.17	-3184.06	3273.63	3275.88	283.60	0.0	
7400.00	90.24	271.00	3917.38	-3244.62	771.92	-3284.04	3371.97	3373.54	283.23	0.0	
7500.00	90.24	271.00	3916.96	-3245.04	773.67	-3384.03	3470.30	3471.34	282.88	0.0	
7600.00	90.24	271.00	3916.54	-3245.46	775.41	-3484.01	3568.63	3569.26	282.55	0.0	
7700.00	90.24	271.00	3916.12	-3245.88	777.16	-3584.00	3666.96	3667.29	282.23	0.0	
7800.00	90.24	271.00	3915.70	-3246.30	778.90	-3683.98	3765.30	3765.42	281.94	0.0	
7900.00	90.24	271.00	3915.28	-3246.72	780.65	-3783.96	3863.63	3863.65	281.66	0.0	
7967.84	90.24	271.00	3915.00	-3247.00	781.83	-3851.79	3930.34	3930.34	281.47	0.0	Lateral 2 TD

Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
-hit/miss target									
-Shape									
Lateral 2 TD			3915.00	781.83	-3851.79	2162485.66 N	2883413.97 E	36.94147091° N	107.28472220° W
- proposal hits the target center									
- Point									

Coleman Oil & Gas
Proposal Report



Database:	San Juan Basin	Local Coordinate Reference:	Carson 32-4-32 1H
Company:		TVD Reference:	Carson 32-4-32 1H
Project:	Carson	MD Reference:	Carson 32-4-32 1H
Site:	Carson 32-4-32 1H	North reference:	True North
Well:	Carson 32-4-32 1H	Survey Calculation Method:	Minimum Curvature
Wellbore:			
Proposal:	Lateral 2 Plan 2		

Proposal Annotations				
Measured Depth (ft)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Comment
4286.25	3923.00	188.34	-294.98	Top of Coal

Checked By:	Approved By:	Date:
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Carson 32-4-32 1H, PH Plan 2

**Coleman Oil & Gas
Proposal Report**

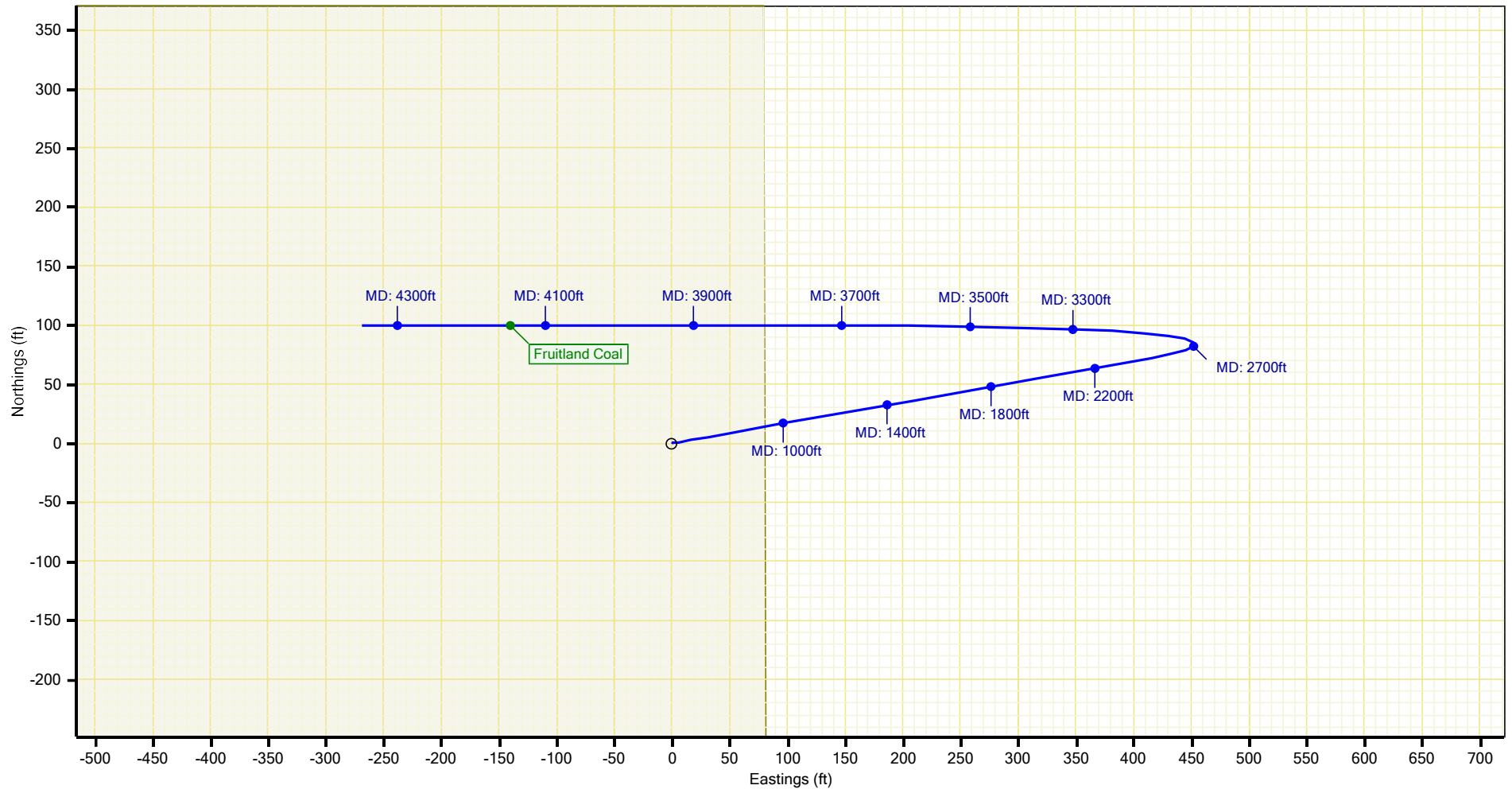
KellyDown - Version: 4.01.02.04





Carson

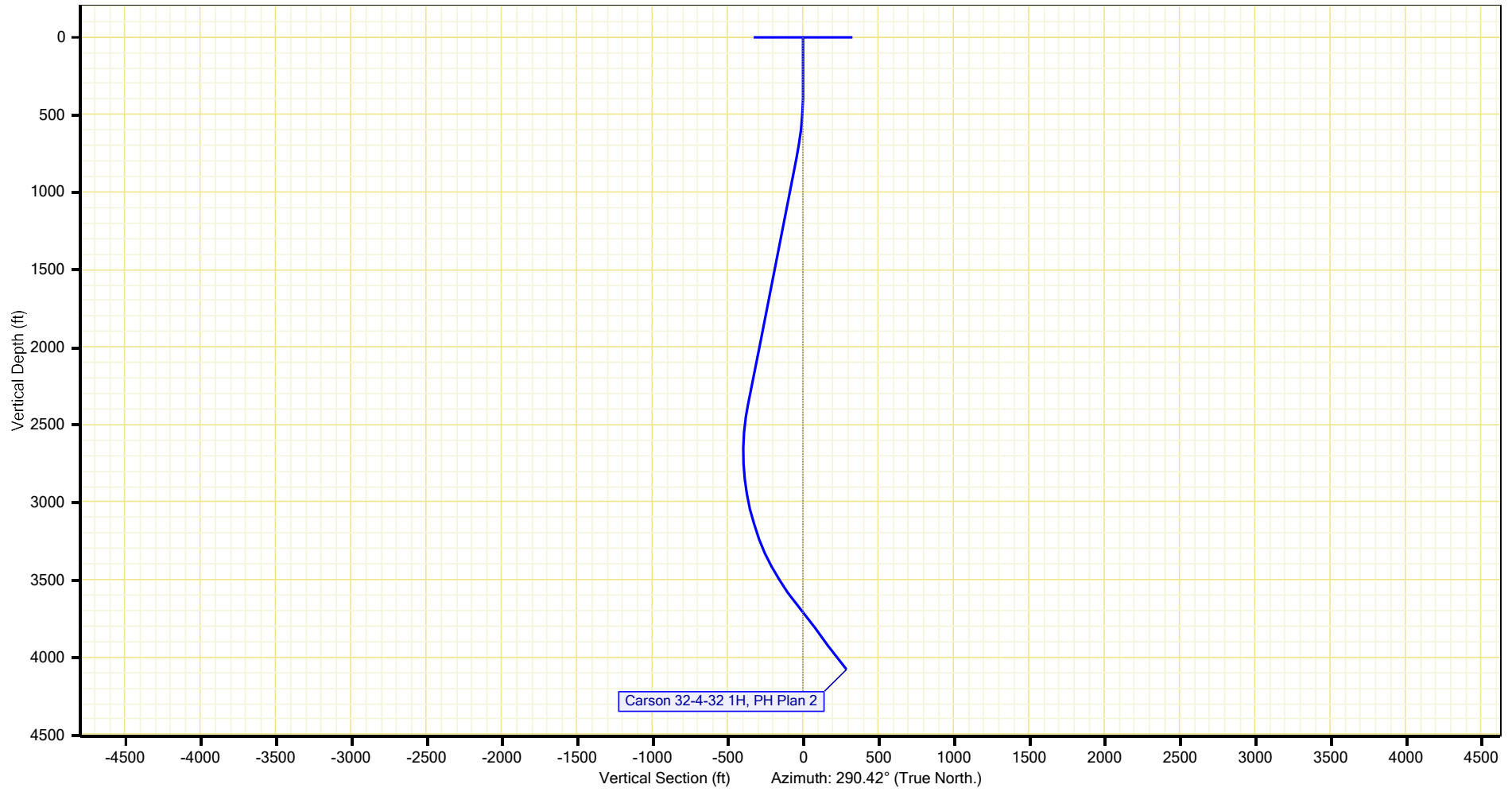
Carson





Carson

Carson 32-4-32 1H



Coleman Oil & Gas

Proposal Report



Database:	San Juan Basin	Local Coordinate Reference:	Carson 32-4-32 1H
Company:		TVD Reference:	Carson 32-4-32 1H
Project:	Carson	MD Reference:	Carson 32-4-32 1H
Site:	Carson 32-4-32 1H	North reference:	True North
Well:	Carson 32-4-32 1H	Survey Calculation Method:	Minimum Curvature
Wellbore:			
Proposal:	PH Plan 2		

Project	Carson		
Map System:	NAD83 New Mexico State Planes	System Datum:	Mean Sea Level
Geo Datum:	NAD 1983		
Map Zone:	Western Zone		

Site	Carson 32-4-32 1H				
Site Position:		Northing:	2178978.40 N	Latitude:	36.98712640° N
From:	Map	Easting:	2859070.52 E	Longitude:	107.36774520° W
Position Uncertainty:	0.00ft	Slot Radius:	0in	Grid Convergence:	0.28°

Well	Carson 32-4-32 1H					
Well Position:	+N/-S	-17417.73ft	Northing:	2161726.54 N	Latitude:	36.93932420° N
	+E/-W	28097.63ft	Easting:	2887270.30 E	Longitude:	107.27154200° W
Position Uncertainty:		1.00ft	Wellhead Elevation:	7162.00ft	Ground Level:	7147.00ft

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	USER DEFINED	7/1/2025	0.00	0.00	0.0

Proposal	PH Plan 2		
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	290.42

Survey Program		7/2/2025		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
0.00	4347.00	PH Plan 2	MWD	MWD

Plan Sections										
Measured Depth (ft)	Inclination (°)	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					
350.00	0.00	0.00	350.00	0.00	0.00	0.0	0.0	0.0	0.00	
788.98	13.17	80.16	785.13	8.59	49.49	3.0	3.0	0.0	80.16	
2421.50	13.17	80.16	2374.71	72.17	415.95	0.0	0.0	0.0	0.00	
3746.87	40.00	270.00	3617.58	100.00	117.12	4.0	2.0	-12.8	-172.09	
4146.87	40.00	270.00	3924.00	100.00	-140.00	0.0	0.0	0.0	0.00	Fruitland Coal
4347.00	40.00	270.00	4077.31	100.00	-268.64	0.0	0.0	0.0	0.00	

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	-7162.00	0.00	0.00	0.00	0.00	0.00	0.0	MWD
100.00	0.00	0.00	100.00	-7062.00	0.00	0.00	0.00	0.00	0.00	0.0	
200.00	0.00	0.00	200.00	-6962.00	0.00	0.00	0.00	0.00	0.00	0.0	
300.00	0.00	0.00	300.00	-6862.00	0.00	0.00	0.00	0.00	0.00	0.0	
350.00	0.00	0.00	350.00	-6812.00	0.00	0.00	0.00	0.00	0.00	0.0	

Coleman Oil & Gas

Proposal Report



Database:	San Juan Basin	Local Coordinate Reference:	Carson 32-4-32 1H
Company:		TVD Reference:	Carson 32-4-32 1H
Project:	Carson	MD Reference:	Carson 32-4-32 1H
Site:	Carson 32-4-32 1H	North reference:	True North
Well:	Carson 32-4-32 1H	Survey Calculation Method:	Minimum Curvature
Wellbore:			
Proposal:	PH Plan 2		

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
400.00	1.50	80.16	399.99	-6762.01	0.11	0.64	-0.57	0.65	80.16	3.0	
500.00	4.50	80.16	499.85	-6662.15	1.01	5.80	-5.09	5.89	80.16	3.0	
600.00	7.50	80.16	599.29	-6562.71	2.79	16.10	-14.11	16.34	80.16	3.0	
700.00	10.50	80.16	698.04	-6463.96	5.47	31.51	-27.62	31.98	80.16	3.0	
788.98	13.17	80.16	785.13	-6376.87	8.59	49.49	-43.38	50.23	80.16	3.0	
800.00	13.17	80.16	795.86	-6366.14	9.02	51.96	-45.55	52.74	80.16	0.0	
900.00	13.17	80.16	893.23	-6268.77	12.91	74.41	-65.23	75.52	80.16	0.0	
1000.00	13.17	80.16	990.60	-6171.40	16.81	96.86	-84.91	98.31	80.16	0.0	
1100.00	13.17	80.16	1087.97	-6074.03	20.70	119.31	-104.59	121.09	80.16	0.0	
1200.00	13.17	80.16	1185.34	-5976.66	24.60	141.75	-124.27	143.87	80.16	0.0	
1300.00	13.17	80.16	1282.71	-5879.29	28.49	164.20	-143.95	166.66	80.16	0.0	
1400.00	13.17	80.16	1380.08	-5781.92	32.39	186.65	-163.63	189.44	80.16	0.0	
1500.00	13.17	80.16	1477.45	-5684.55	36.28	209.10	-183.30	212.22	80.16	0.0	
1600.00	13.17	80.16	1574.82	-5587.18	40.18	231.55	-202.98	235.01	80.16	0.0	
1700.00	13.17	80.16	1672.19	-5489.81	44.07	253.99	-222.66	257.79	80.16	0.0	
1800.00	13.17	80.16	1769.56	-5392.44	47.97	276.44	-242.34	280.57	80.16	0.0	
1900.00	13.17	80.16	1866.93	-5295.07	51.86	298.89	-262.02	303.36	80.16	0.0	
2000.00	13.17	80.16	1964.30	-5197.70	55.76	321.34	-281.70	326.14	80.16	0.0	
2100.00	13.17	80.16	2061.67	-5100.33	59.65	343.79	-301.38	348.92	80.16	0.0	
2200.00	13.17	80.16	2159.04	-5002.96	63.55	366.23	-321.06	371.71	80.16	0.0	
2300.00	13.17	80.16	2256.41	-4905.59	67.44	388.68	-340.73	394.49	80.16	0.0	
2400.00	13.17	80.16	2353.78	-4808.22	71.34	411.13	-360.41	417.27	80.16	0.0	
2421.50	13.17	80.16	2374.71	-4787.29	72.17	415.95	-364.64	422.17	80.16	0.0	
2500.00	10.07	77.69	2451.59	-4710.41	75.17	431.47	-378.14	437.97	80.12	4.0	
2600.00	6.17	71.01	2550.57	-4611.43	78.78	445.10	-389.66	452.02	79.96	4.0	
2700.00	2.62	44.61	2650.27	-4511.73	82.16	451.80	-394.75	459.21	79.69	4.0	
2800.00	2.76	308.50	2750.20	-4411.80	85.29	451.52	-393.40	459.51	79.30	4.0	
2900.00	6.35	284.23	2849.88	-4312.12	88.14	444.28	-385.61	452.94	78.78	4.0	
3000.00	10.25	277.85	2948.81	-4213.19	90.72	430.10	-371.43	439.56	78.09	4.0	
3100.00	14.20	274.98	3046.53	-4115.47	93.00	409.05	-350.91	419.49	77.19	4.0	
3200.00	18.18	273.34	3142.54	-4019.46	94.97	381.25	-324.17	392.90	76.01	4.0	
3300.00	22.16	272.27	3236.39	-3925.61	96.63	346.82	-291.32	360.03	74.43	4.0	
3400.00	26.15	271.52	3327.62	-3834.38	97.96	305.93	-252.53	321.23	72.24	4.0	
3500.00	30.14	270.95	3415.78	-3746.22	98.97	258.78	-208.00	277.06	69.07	4.0	
3600.00	34.13	270.51	3500.44	-3661.56	99.63	205.60	-157.93	228.47	64.15	4.0	
3700.00	38.13	270.15	3581.19	-3580.81	99.96	146.65	-102.57	177.48	55.72	4.0	
3746.87	40.00	270.00	3617.58	-3544.42	100.00	117.12	-74.87	154.00	49.51	4.0	
3800.00	40.00	270.00	3658.28	-3503.72	100.00	82.97	-42.87	129.94	39.68	0.0	
3900.00	40.00	270.00	3734.88	-3427.12	100.00	18.69	17.37	101.73	10.59	0.0	
4000.00	40.00	270.00	3811.49	-3350.51	100.00	-45.59	77.61	109.90	335.49	0.0	
4100.00	40.00	270.00	3888.09	-3273.91	100.00	-109.87	137.85	148.56	312.31	0.0	
4146.87	40.00	270.00	3924.00	-3238.00	100.00	-140.00	166.09	172.05	305.54	0.0	Fruitland Coal
4200.00	40.00	270.00	3964.70	-3197.30	100.00	-174.15	198.09	200.82	299.87	0.0	
4300.00	40.00	270.00	4041.30	-3120.70	100.00	-238.43	258.33	258.55	292.75	0.0	
4347.00	40.00	270.00	4077.31	-3084.69	100.00	-268.64	286.65	286.65	290.42	0.0	

Coleman Oil & Gas
Proposal Report



Database:	San Juan Basin	Local Coordinate Reference:	Carson 32-4-32 1H
Company:		TVD Reference:	Carson 32-4-32 1H
Project:	Carson	MD Reference:	Carson 32-4-32 1H
Site:	Carson 32-4-32 1H	North reference:	True North
Well:	Carson 32-4-32 1H	Survey Calculation Method:	Minimum Curvature
Wellbore:			
Proposal:	PH Plan 2		

Targets									
Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
-hit/miss target	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)		
-Shape									
Fruitland Coal			3924.00	100.00	-140.00	2161825.72 N	2887129.71 E	36.93959887° N	107.27202105° W
- proposal hits the target center									
- Point									

Checked By:	Approved By:	Date:
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Application for Permit to Drill Drilling Plan

COLEMAN OIL & GAS

Carson 32-4-32 1H

Vertical Pilot Hole

Surface Hole Location: 1182' FSL & 740' FEL

Section 32, T32N, R4W

Proposed GL Elevation = 7147'

Lat. = 36.9393242° N

Long. = 107.2715420° W

NAD 83

Rio Arriba, New Mexico

Proposed Top of Production Location (Pilot): 1182' FSL – 740' FEL

Proposed Bottom Hole Location (Pilot): 1283' FSL – 1008' FEL

Proposed KOP (Lateral #1): 1282' FSL – 744' FEL

Proposed FTP (Lateral #1) 1220' FSL – 990' FEL

Proposed Bottom Hole Location LTP (Lateral #1): 660' FSL – 660' FWL

Proposed KOP (Lateral #2): 1282' FSL – 718' FEL

Proposed FTP (Lateral #2) 1365' FSL – 995' FEL

Proposed Bottom Hole Location LTP (Lateral #2): 1968' FSL – 660' FWL

Section 32, T32N, R4W

Rio Arriba, New Mexico

Drilling program written in compliance with onshore Oil and Gas Order No. 1
(III.D.3, effective May 2007) and Onshore Order No. 2 Dated November 18, 1988

A. Names and estimated tops of all geologic groups, formations, members or zones.

Carson 32-4-32 1H Geological Report GL Center Stake 7147				
APD	Top MD (KB)	Top TVD (KB)	Rock Type	Drilling Notes
San Jose	Surface	Surface	Unconsolidated Gravels	Boulders, Water, Lost Circulation
Nacimiento	2315	2271	Nonmarine shale, siltstone and	Water, Lost Circulation
Ojo Alamo	3584	3479	Conglomerate sandstone,	Water, Possible Gas, Lost
Kirtland	3501	3602	Claystone and white and brown	Clay, Water
Fruitland	3938	3752	Mudstone, siltstone, sandstones,	Gas Water
Main Fruitland Coal	4147	3924	Target Coal 20' Top 3924	HZ Lateral
Bottom Coal	4272	4020	Coal	Gas Water
Pictured Cliffs	4283	4028	Shoreface sandstone	Gas Water
TD	4347	4077	TD Designed From Base of Bottom Coal Seam with 130 ft rathole + 45 Ft Shoe and Complete Log Coverage Over Fruitland	

B. Estimated depth and thickness of formations, members or zones potentially containing useable water, oil, gas or prospectively valuable deposits of other minerals that the operator expects to encounter, and the operator's plans for protecting such resources.

Carson 32-4-32 1H Geological Report GL Center Stake 7147				
APD	Top MD (KB)	Top TVD (KB)	Rock Type	Drilling Notes
San Jose	Surface	Surface	Unconsolidated Gravels	Boulders, Water, Lost Circulation
Nacimientto	2315	2271	Nonmarine shale, siltstone and	Water, Lost Circulation
Ojo Alamo	3584	3479	Comglomerate sandstone,	Water, Possible Gas, Lost
Kirtland	3501	3602	Claystone and white and brown	Clay, Water
Fruitland	3938	3752	Mudstone, siltstone, sandstones,	Gas Water
Main Fruitland Coal	4147	3924	Target Coal 20' Top 3924	HZ Lateral
Bottom Coal	4272	4020	Coal	Gas Water
Pictured Cliffs	4283	4028	Shoreface sandstone	Gas Water
TD	4347	4077	TD Designed From Base of Bottom Coal Seam with 130 ft rathole + 45 Ft Shoe and Complete Log Coverage Over Fruitland	

Conductor: No conductor casing is necessary

Surface Casing: Protection of shallow fresh water shall be accomplished by setting surface casing 50' below known fresh water sources and cemented to surface with 9-5/8" surface casing.

Possible Aquifers: San Jose, Nacimientto and Ojo Alamo

Production Casing: Protection for all other formations will be accomplished by setting 7" casing and cementing to surface. The 7" production casing will be matrix stimulated prior to re-entry for the lateral open hole sections. Same as Completion procedure on page 7 and Horizontal Re-Entry Procedure page 8.

Not planning on hydraulic fracture treatment – perforate with near wellbore matrix acid clean up, cement drilling fluids damage.

Production Liners: Will be pre-perforated, uncemented, unstimulated liners to maintain hole stability.

- C. The operator's minimum specifications for blowout prevention equipment and diverter systems to be used, including size, pressure rating, configuration and the testing procedure and frequency. Blowout prevention equipment must meet the minimum standards outlined in Order 2.**

BOP equipment and accessories will meet or exceed BLM requirements outlined in 43 CFR Part 3160.

The working pressure of all BOPE shall exceed the anticipated surface pressure to which it may be subjected, assuming a partially evacuated hole with a pressure gradient of 0.22 psi/ft.

Expected Maximum Bottom Hole pressure = $0.433 \text{ psi/ft.} \times 4077' = 1765 \text{ psi}$, which is less than 2,000 psi working pressure. Maximum anticipated surface pressure will be $1765 \text{ psi} - (4077 \times .22 \text{ psi/ft}) = 868 \text{ psi}$. Therefore, a 2000 psi Class 2 BOPE system is required that consists of the following:

- 2 preventers with either double ram (blind and pipe) or annular preventer and blind rams.
- Kill line (2" minimum)
- 1 Kill line valve (2" minimum)
- 1 choke line valve
- 2 chokes (refer to diagram in Attachment 1)
- Upper Kelly cock valve with handle available
- Safety valve and subs to fit all drill strings in use
- Pressure gauge on choke manifold
- 2" minimum choke manifold
- Fill-up line above the uppermost preventer

See attached diagram for the proposed BOP systems. Stack #1 will be nipped-up on the 11" 3,000 psi top flange of the wellhead A section for the pilot hole and the dual lateral re-entry. The BOP will be hydraulically operated.

All ram preventers and related equipment will be tested to 2,000 psi for 10 minutes. Annular preventers will be tested to 70% of rated working pressure for 10 minutes. Surface casing will be tested to 1500 psi. All preventers and surface casing will be tested before drilling out of surface casing. BOP equipment will be tested when initially installed, whenever any seal subject to test pressure is broken, following related repairs and at least once every 30 days. Annular preventers will be functionally operated at least once per week. Rams preventers will be activated each trip, not to exceed once per day.

- D. The operator's proposed casing program, including size, grade, weight, type of thread and coupling, the setting depth of each string, and its condition. The operator must include the minimum design criteria, including casing loading assumptions and corresponding safety factors for burst, collapse, and tensions (body yield and joint strength). The operator must also include the lengths and setting depth of each casing when a tapered casing string is proposed. The hole size for each wellbore section of hole drilled must be included. Special casing designs such as the use of coil tubing or expandable casing may necessitate additional information.**

Casing & Hole Size	Grade	Weight	Coupling	Setting Depth (MD)	Condition
9-5/8" (12-1/4")	J-55	36 ppf	LT&C	0' - 300'	New casing.
7" (8-3/4")	J-55	26 ppf	LT&C	0' - 4347'	New casing.
4-1/2" (6-1/8") Lateral #1	J-55	11.6 ppf	LT&C	3935-7955'	Used casing. 10' below window TD
4-1/2" (6-1/8") Lateral #2	J-55	11.6 ppf	LT&C	3895'-7968'	Used casing. 10' below window TD

The 9-5/8" surface and 7" production casing strings will be tested to .22 psi per foot of the casing string length or 1500 psi, whichever is greater, but not to exceed 70% of the minimum internal yield. The 4-1/2" pre-perforated production casing liners will be uncemented, unstimulated and not tested. The purpose of the 4-1/2" liner is to keep the hole from collapsing. Isolation for the 4-3/4" laterals will be maintained by the cased and cemented pilot hole with 7" casing and cement to surface.

Minimum casing design factors used:

Collapse -	1.0
Burst -	1.1
Tension -	1.4

Surface casing shall have a minimum of 1 centralizer per joint on the bottom three (3) joints, starting with the shoe joint. The 7" production casing will be centralized approximately 1 every fourth joint.

Surface Casing Design - Evaluation/Casing Test (Collapse & Burst), 100k overpull (Tension)

Minimum Safety Factors				Collapse	Burst	Tension			
				1.125	1.100	1.400			
	Size	Weight	Grade	Conn	Collapse	Burst	Tension (Pipe Body)	Tension (Connection)	Notes
Surface	9.625	36	J-55	LT&C	2020	3520	546000	453,000	0-300'
80% of Burst						2816			
Casing Depth			MW IN	MW Out		Pres In	Pres Out	SF	
Collapse	300		0.0	15.8		0	246	8.20	Full evacuation with 15.8 ppg cement in the annulus
Burst	300		9.0	0.0		1500	0	2.35	1500 psig test
			Mud Wt	Air Weight		Bouy Wt	BW+100K		
Tension (Pipe Body)	300		9.0	10800		9316	109316	4.99	100K overpull
Tension (Connection)	300		9.0	10800		9316	109316	4.14	
BF = 1-MW/65.5= 0.84732									

Production Casing Design - Evaluation/Casing Test (Collapse & Burst), 100k overpull (Tension)

	Size	Weight	Grade	Minimum Safety Factors			Tension (Pipe Body)	Tension (Connection)	Notes
				Collapse	Burst	Tension			
				1.125	1.100	1.400			
Production	7	26	J-55	LT&C	4320	4980	415000	367,000	0-4347'
					80% of Burst		3984		
	Casing Depth		MW IN		MW Out		Pres In	Pres Out	SF
Collapse	4077		0.0		13.5		0	2862	1.51
Full evacuation with 15.8 ppg cement in the annulus									
Burst	4077		10.0		0.0		1500	0	3.32
1500 psig test									
			Mud Wt	Air Weight		Bouy Wt	BW+100K		
Tension (Pipe Body)	4347		10.0		113022		95767	195767	2.12
ension (Connection)	4347		10.0		113022		95767	195767	1.87
100K overpull									
BF = 1-MW/65.5= 0.84732									

- E. The estimated amount and type(s) of cement expected to be used in the setting of each casing string. If stage cementing will be used, provide the setting depth of the stage tool(s) and the amount and type of cement including additives, to be used for each stage. Provide the yield of each cement slurry and the expected top of cement, with excess, for each cemented string or stage.**

The proposed cementing program has been designed to protect and/or isolate all usable water zones, potentially productive zones, lost circulation zones, abnormally pressured zones, and any prospectively valuable deposits of minerals. All indications of useable water shall be reported.

The 9-5/8" surface casing shall be cemented back to surface. In the event cement does not circulate to surface, remedial cementing shall be done to cement the casing back to surface. If returns are lost and/or cement is not brought to surface, a cement bond log (CBL) will be required to determine the quality of the job prior to drilling ahead (see OO2).

Top plugs shall be used to reduce contamination of cement by displacement fluid. A fluid spacer will be pumped to help isolate the cement from contamination by the mud fluid being displaced ahead of the cement slurry.

The 7" production casing will be cemented to surface. Tail cement for the 7" production casing cement job is designed to cover 500' above the Fruitland formation top, lead cement is designed to be circulate to surface. Planned excess is 30% in the open hole, excess volume approximately 33 bbls. The 4-1/2" production liners will be uncemented.

Surface Casing Single Stage Job – (0-320' MD):**Excess – 100% over gauge hole – 12-1/4" hole and 9-5/8" casing (0.31318 ft3/ft)****Top of Tail Cement - 0'****Tail Slurry - (0' – 320' MD): 159 sx** - 15.8 ppg, conventional cement containing:

Type III Cement

Calcium Chloride - 2%

Poly-E-Flake – Lost Circulation Control Agent – 0.125 lbs/sx

Yield – 1.38 ft3/sx

Water requirement – 6.65 gal/sx.

Total sacks of cement pumped on surface job = 159 sx**Production Casing Single Stage Job – (0-4347' MD):****Excess – 30% over gauge hole – 8-3/4" hole and 7" casing (0.1503 ft3/ft)****Excess - 0% inside surface casing – 8.921" surf csg ID and 7" casing (0.1668 ft3/ft)****Top of Lead Cement - Surface****Lead Slurry - (0' – 3300' MD): 312 sx** - 12.5 ppg, conventional cement containing:

VARICEM™ CEMENT – Cement – 94.02 lbs/sx

FE-2 – Controls Gel Thickening – 0.30%

Kol-Seal – Lost Circulation Control Agent – 5 lbs/sx

Poly-E-Flake – Lost Circulation Control Agent – 0.125 lbs/sx

Yield – 2.15 ft3/sx

Water requirement – 12.04 gal/sx.

Top of Tail Cement - 3300' MD**Tail Slurry - (3300' – 4347'): 105 sx** - 13.5 ppg, conventional cement containing:

Type III POZ – Cement – 94.02 lbs/sx

Super CBL - Gas Block Additive - 0.30%

FE-2 – Controls Gel Thickening – 0.30%

Kol-Seal – Lost Circulation Control Agent – 5 lbs/sx

Poly-E-Flake – Lost Circulation Control Agent – 0.125 lbs/sx

Yield – 1.71 ft3/sx

Water requirement – 8.86 gal/sx.

Total sacks of cement pumped on production job = 417 sx

Actual volumes will be calculated and determined by conditions onsite. All cement slurries will meet or exceed minimum BLM and COGCC requirements. Slurries used will be the slurries listed above or equivalent slurries depending on service provider selected. Cement yields may change depending on selected slurries.

All waiting on cement times shall be a minimum of 8 hours or adequate to achieve a minimum of 500 psi compressive strength at the casing shoe prior to drilling out.

- F. Type and characteristics of the proposed circulating medium or mediums proposed for the drilling of each well bore section, the quantities and types of mud and weighting material to be maintained, and the monitoring equipment to be used on the circulating system. The operator must submit the detailed information when air or gas drill is proposed.**

Interval (MD)	Hole Section	Hole Size	Type	MW (ppg)	VIS (s/qt)	FL (mL/30 min)	PV (cP)	YP (lbs/100ft ²)	Max Salinity (mg/L)	pH
0'-300'	Surface	12-1/4"	FW/Gel	8.4-9.0	~100	NC	16-22	18-24	2500	8-8.9
300'-4347'	Production	8-3/4"	LSND	8.4-9.0	35-45	<10	6-21	4-27	5000	8-9.5
3935'-7955'	Lat #1	6-1/8"	Brine	8.6-9.8	28-34	NC	1	4	300000	8-9.1
3895-7968'	Lat #2	6-1/8"	Brine	8.6-9.8	28-34	NC	1	4	300000	8-9.1

Sufficient weighting material will be on hand to weight mud up to 10.5 PPG, if required.

The formula for weight up with barite is listed below:

Sacks of Barite per 100 bbl of mud = $1470 \times (W2 - W1) \div (35 - W2)$

Where; W1 = current mud weight, W2 = new mud weight

Sacks = $1470 \times (10.5 - 9.0) \div (35 - 10.5) = 126 \text{ sx} \times 3 \text{ (300bbls minimum)} = 270\text{sx}$

Mud Product	Estimated Quantity on Location
Baroid 41	270 sx
Aquagel Gold Seal	250 sx
Lime	4 sx
Caustic Soda	8 sx
EZ-Mud	20 buckets
Barazan D Plus	20 sx
Pac R	20 sx
Filter-Chek	30 sx
LCM	120 sx

Pit Volume Totalizer (PVT) equipment (or equivalent) will be on each pit to monitor pit levels. A trip tank equipped with a PVT sensor will be used to monitor trip volumes. Possible lost circulation in the Fruitland Coal and Pictured Cliffs Sand. Lost circulation has been successfully mitigated with lost circulation materials.

There will not be a reserve pit for this well. A closed-loop system will be used to recover drilling fluid and dry cuttings during both the pilot hole and laterals hole sections of the well. Above-ground tanks will be utilized to hold cuttings and fluids for rig operations. Frac tanks will be on location to store fresh water, produced water, drilling mud and brine.

G. The testing, logging, and coring procedures proposed, including drill stem testing procedures, equipment, and safety measures.

Testing: None planned.

Open Hole Logging: LWD gamma ray for all lateral hole sections (from casing exit to TD).

Mud Logging: All lateral hole sections. Samples taken every 90'.

Coring: None planned.

Cased Hole Logging: If cement is not brought to surface on the surface casing string, then a cement bond log (CBL) will be run to determine the quality of the job prior to drilling ahead. A Cement Bond Log (CBL) will be run after the drilling of the well has been completed and as the start of the completion process. The CBL will confirm the quality of the cement bond and the actual TOC. Gamma ray and density logs may be obtained with the CBL to describe the stratigraphy of the wellbore.

H. The expected bottom-hole pressure and any anticipated abnormal pressures, temperatures, or potential hazards that the operator expects to encounter, such as lost circulation and hydrogen sulfide. A description or the operators plans for mitigating such hazards must be included.

Maximum expected BHP @ TD 4347' MD / 4077' TVD (0.433 psi/ft): 1765 psi

Maximum expected BHT @ 4000' TVD: ~140° F

The maximum anticipated bottom hole pressure will be controlled with mud weight and BOP equipment.

Possible lost circulation in the Fruitland Coal at 4000' MD and Pictured Cliffs Sand at 4028' MD during the pilot hole drilling. Lost circulation has been successfully mitigated with lost circulation materials. 120sx of LCM materials will be located onsite to manage lost circulation as needed. Possible lost circulation during the lateral re-entry hole sections. Drilling with losses will be mitigated with additional storage tanks for produced water and brine storage.

No hydrogen sulfide gas is anticipated, however, if H₂S is encountered, the guidelines in Onshore Order No. 6 will be followed.

I. Any other facets of the proposed operation that the operator would like the BLM to considered in reviewing the application. Examples include, but are not limited to: For directional wells, proposed directional designs, plan view, and vertical section in true vertical and measured depths: Horizontal drilling; and Coil tubing Operations.

Timing:

The operation is expected to start September 2021. The pilot hole drilling operations will last approximately 7 days. After the pilot hole has been perforated and acid stimulated the drilling rig will re-enter the 7" production casing, set whipstock(s), sidetrack and drill the 6-1/8" lateral hole sections. The pilot hole and laterals may be drilled in one drilling rig event. Upon completion of the drilling and completion events, the completion rig will be on location approximately two to three weeks to run tubing and set artificial lift.

Directional Plans:

Pilot hole, Lateral #1, Lateral #2 directional plans and proposed wellbore schematic attached.

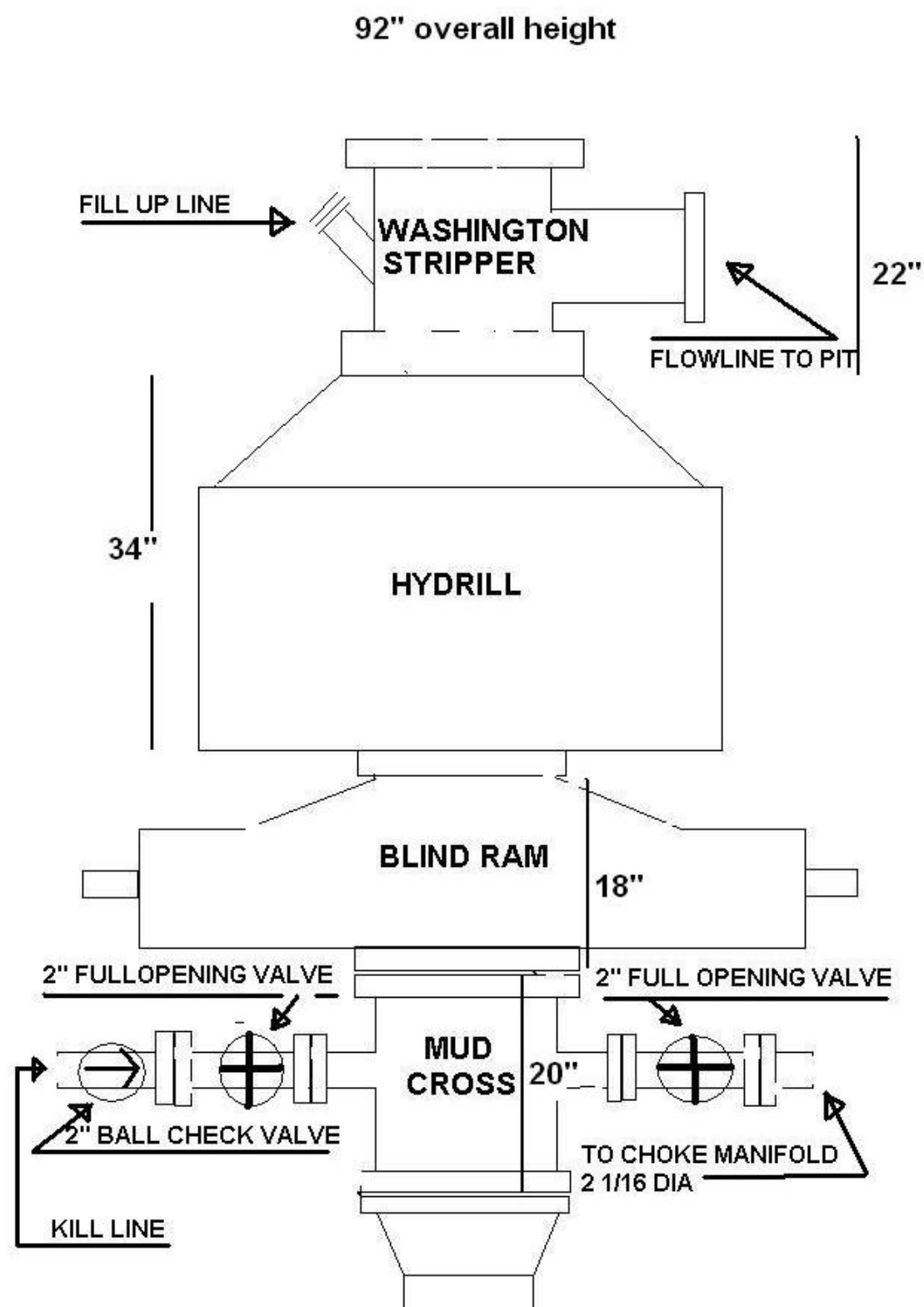
Completion:

The laterals will be cased with 4-1/2" pre-perforated un-cemented tubing to maintain hole stability for natural open hole completion.

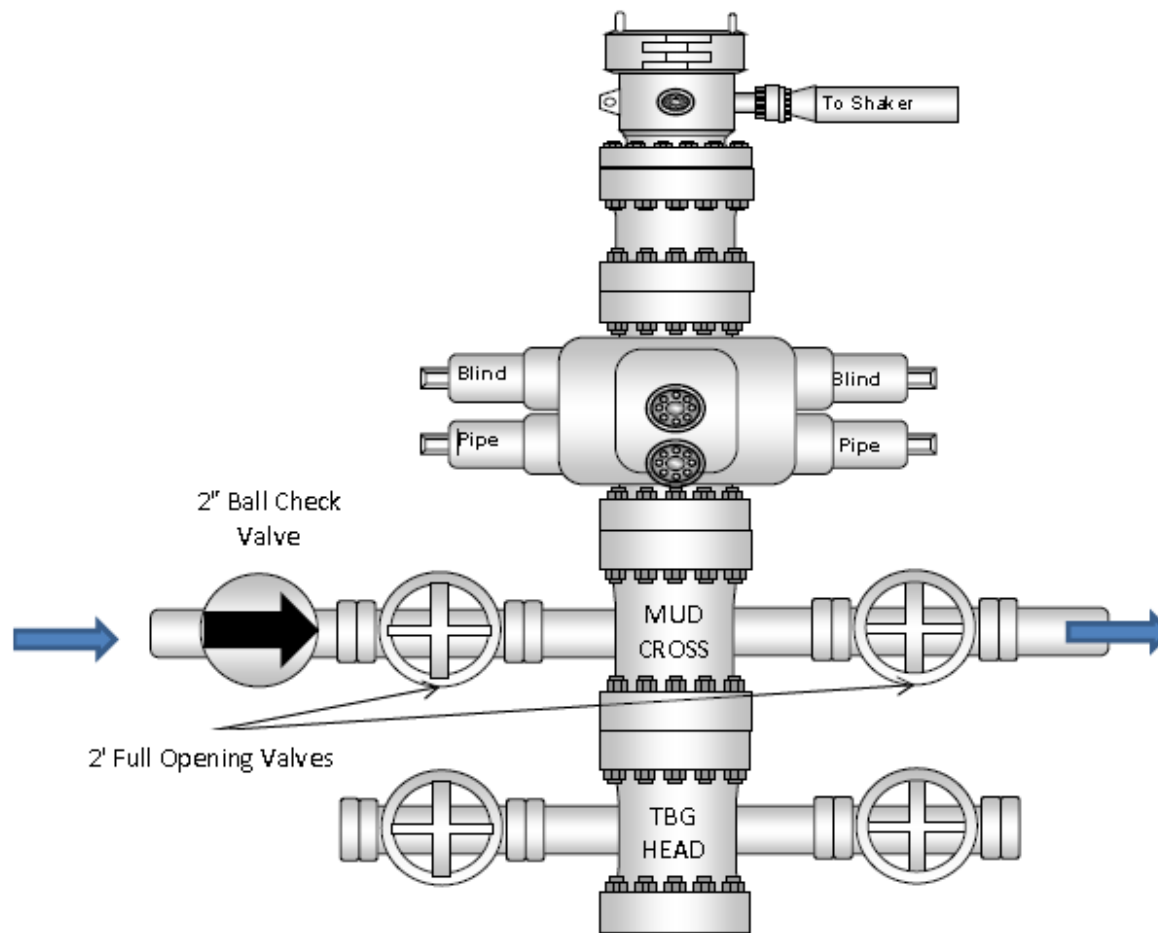
Horizontal Re-entry Procedure:

- Drill vertical pilot hole.
- Completed with 7" production casing and cement to surface.
- Run gyro survey, orient and set whipstock for casing exit #1 @ +/-3935' MD
- Mill window and TOOH for curve BHA.
- Planned KOP #1 @ 3935' MD / 3762' TVD.
- Drill 6-1/8" curve from 3935' MD / 3762' TVD to @ 4261' MD / 3924' TVD at 84.76°.
- TOOH and PU lateral BHA.
- Drill from 4261' MD / 3924' TVD to 7955' MD / 3917' TVD.
- TOOH and run 4-1/2" pre-perforated liner from 3940' MD to TD @ 7955' MD.
- Run gyro survey, orient and set whipstock for casing exit #2 @ +/-3895' MD
- Mill window and TOOH for curve BHA.
- Planned KOP #2 @ 3895' MD / 3730' TVD.
- Drill 6-1/8" curve from 3895' MD / 3730' TVD to 4286' MD / 3923' TVD at 80.67°.
- TOOH and PU lateral BHA.
- Drill from 4286' MD / 3923' TVD to 7968' MD / 3915' TVD.
- TOOH and run 4-1/2" pre-perforated liner from 3900' MD to TD @ 7968' MD.
- TIH and Set Retrievable Kill Plug.
- Test Plug.
- Secure well, rig down and move off location.

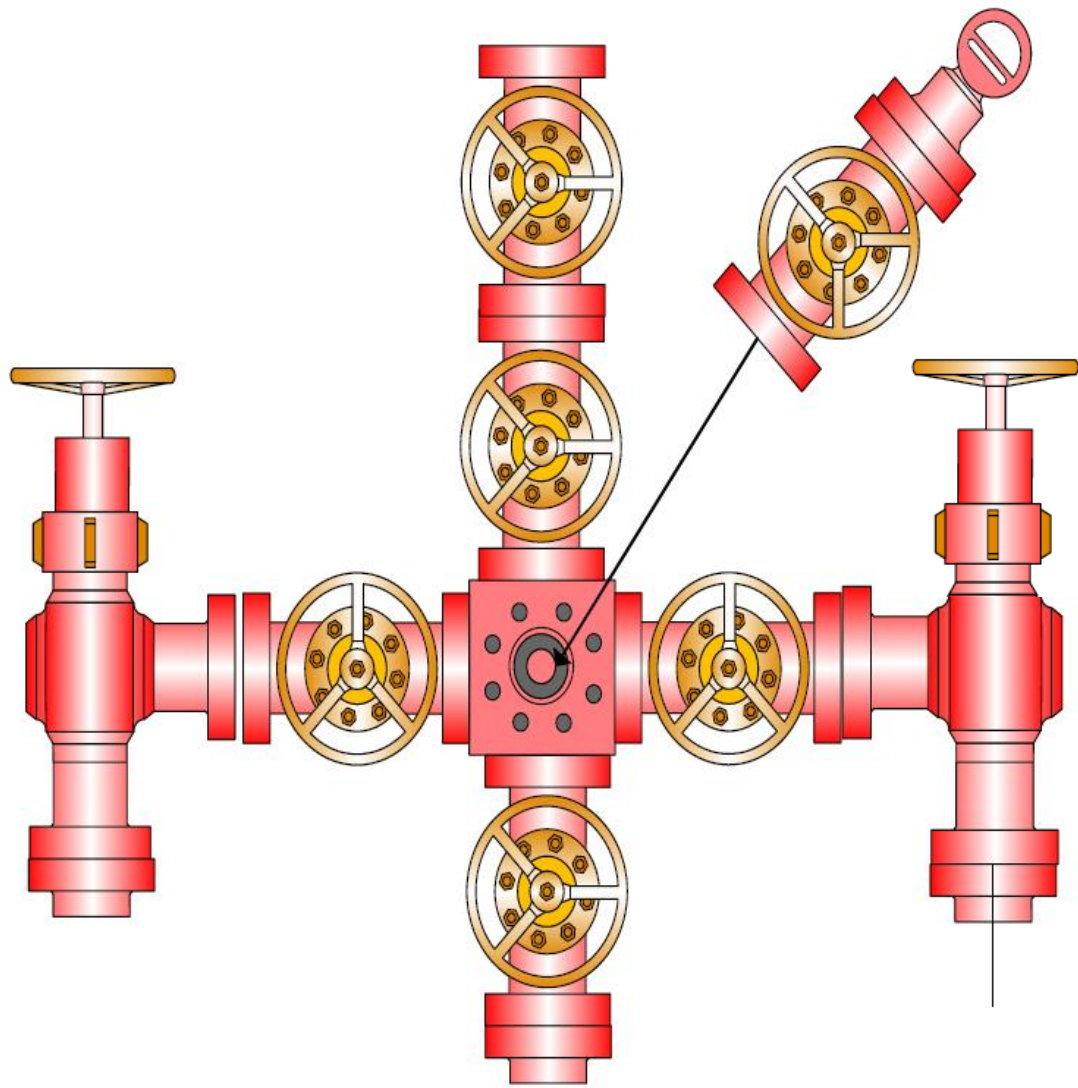
NOTE: Depths and directional plans are based on estimated formation tops. Corrections for KOP and landing points will be made based on actual formation tops from logs and BHA selection.



Proposed Class 2 BOP Stack - STACK #1 (PILOT HOLE)



Proposed Class 2 BOP Stack - STACK #2 (LATERAL RE-ENTRY)



(Minimum 2")

Proposed 2,000 psi Choke Manifold Stack

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<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 494540

CONDITIONS

Operator: COLEMAN OIL & GAS INC P.O. Drawer 3337 Farmington, NM 87499	OGRID: 4838
	Action Number: 494540
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
ward.rikala	No additives containing PFAS chemicals will be added to the drilling fluids or completion fluids used during drilling, completions, or recompletions operations.	9/15/2025
ward.rikala	Any previous COA's not addressed within the updated COA's still apply.	9/15/2025