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Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
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 277202

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

1. Operator Name and Address	2. OGRID Number
CENTENNIAL RESOURCE PRODUCTION, LLC 1001 17th Street, Suite 1800 Denver, CO 80202	372165
	3. API Number 30-025-46769

4. Property Code	5. Property Name	6. Well No.
325659	CARNE ASADA STATE COM	503H

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
H	7	22S	35E	H	2479	N	1172	E	Lea

8. Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
A	6	22S	35E	1	100	N	990	E	Lea

9. Pool Information

OJO CHISO;BONE SPRING	96553

Additional Well Information

11. Work Type	12. Well Type	13. Cable/Rotary	14. Lease Type	15. Ground Level Elevation
New Well	OIL		State	3631
16. Multiple	**17. Proposed Depth**	**18. Formation**	**19. Contractor**	**20. Spud Date**
N	17960	2nd Bone Spring Sand		3/24/2020
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	17.5	13.375	54.5	1800	1533	0
Int1	12.25	9.625	40	5500	1351	0
Prod	8.5	5.5	20	17960	1555	9838
Prod	8.75	5.5	20	10588	925	0

Casing/Cement Program: Additional Comments

Drill 8.75 hole size for the curve and 8.5 hole size for the lateral for the 5.5 casing string.

22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Pipe	10000	5000	Cameron

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 Sarah Ferreyros	Approved By:	Paul F Kautz	
Title:	Senior Regulatory Analyst	Title:	Geologist	
Email Address:	Sarah.Ferreyros@cdevinc.com	Approved Date:	1/24/2020	Expiration Date: 1/24/2022
Date:	1/20/2020 Phone: 720-499-1454	Conditions of Approval Attached		

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Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
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
	96553	Ojo Chiso; Bone Spring

[4] Property Code	[5] Property Name	[6] Well Number
325659	CARNE ASADA STATE COM	503H

[7] OGRID No.	[8] Operator Name	[9] Elevation
372165	CENTENNIAL RESOURCE PRODUCTION, LLC	3631.4'

[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
H	7	22S	35E		2479	NORTH	1172	EAST	LEA

[11] Bottom Hole Location If Different From Surface

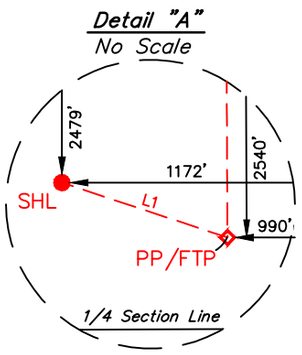
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
1	6	22S	35E		100	NORTH	990	EAST	LEA

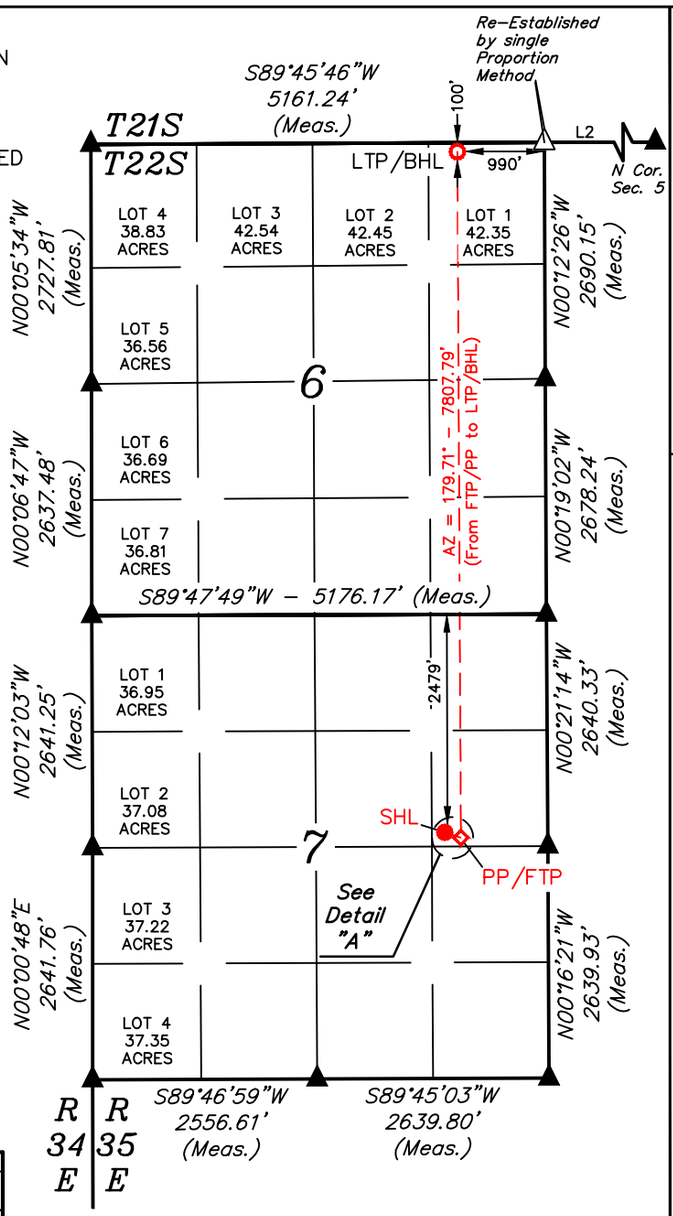
[12] Dedicated Acres	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
242.35			

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.

[16]

● = SURFACE HOLE LOCATION
◇ = PP/FTP
○ = LTP/BHL
▲ = SECTION CORNER LOCATED
△ = SECTION CORNER RE-ESTABLISHED. (Not Set on Ground.)





LINE TABLE		
LINE	DIRECTION	LENGTH
L1	N71°39'21"W	192.13'
L2	S89°45'46"W	2640.70'

NAD 83 (SURFACE HOLE LOCATION)
LATITUDE = 32°24'23.97" (32.406660°)
LONGITUDE = 103°24'07.29" (103.402025°)
STATE PLANE NAD 83 (N.M. EAST)
Y: 512926.04' X: 828755.80'
UTM, NAD 83 (ZONE 13)
Y: 11767153.49' X: 2133445.90'

NAD 83 (PP/FTP)
LATITUDE = 32°24'23.37" (32.406491°)
LONGITUDE = 103°24'05.17" (103.401436°)
STATE PLANE NAD 83 (N.M. EAST)
Y: 512866.35' X: 828938.39'
UTM, NAD 83 (ZONE 13)
Y: 11767094.95' X: 2133628.83

NAD 83 (LTP/BHL)
LATITUDE = 32°25'40.61" (32.427948°)
LONGITUDE = 103°24'05.22" (103.401451°)
STATE PLANE NAD 83 (N.M. EAST)
Y: 520672.61' X: 828865.64'
UTM, NAD 83 (ZONE 13)
Y: 11774899.63' X: 2133507.39'

NOTE:
- Distances referenced on plat to section lines are perpendicular.
- Basis of Bearing is a Transverse Mercator Projection with a Central Meridian of W103°53'00" (NAD 83)

SCALE

DRAWN BY: J.B.S. 02-12-19
REV: 1 12-24-19 T.A. (SHL MOVE & WELL BORE CHANGE)

[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.

1/14/2020
Signature Date

Kanicia Schlichting
Printed Name

kanicia.schlichting@cdevinc.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.

February 8, 2019
Date of Survey

Signature and Seal of Professional Surveyor:

Certificate Number:

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

GAS CAPTURE PLAN

Date: 1/24/2020

☒ Original

☐ Amended - Reason for Amendment:

Operator & OGRID No.: [372165] CENTENNIAL RESOURCE PRODUCTION, LLC

This Gas Capture Plan outlines actions to be taken by the Operator to reduce well/production facility flaring/venting for new completion (new drill, recomplete to new zone, re-frac) activity.

Note: Form C-129 must be submitted and approved prior to exceeding 60 days allowed by Rule (Subsection A of 19.15.18.12 NMAC).

Well(s)/Production Facility – Name of facility

The well(s) that will be located at the production facility are shown in the table below.

Well Name	API	Well Location (ULSTR)	Footages	Expected MCF/D	Flared or Vented	Comments
CARNE ASADA STATE COM #503H	30-025-46769	H-7-22S-35E	2479N 1172E	2200	None	High and Low pressure line

Gathering System and Pipeline Notification

Well(s) will be connected to a production facility after flowback operations are complete, if gas transporter system is in place. The gas produced from production facility is dedicated to LUCID ENERGY DELAWARE, LLC and will be connected to LUCID ENERGY DELAWARE, LLC High Pressure gathering system located in Lea County, New Mexico. It will require 600' of pipeline to connect the facility to High Pressure gathering system. CENTENNIAL RESOURCE PRODUCTION, LLC provides (periodically) to LUCID ENERGY DELAWARE, LLC a drilling, completion and estimated first production date for wells that are scheduled to be drilled in the foreseeable future. In addition, CENTENNIAL RESOURCE PRODUCTION, LLC and LUCID ENERGY DELAWARE, LLC have periodic conference calls to discuss changes to drilling and completion schedules. Gas from these wells will be processed at LUCID ENERGY DELAWARE, LLC Processing Plant located in Sec. 13, Twn. 24S, Rng. 33E, Lea County, New Mexico. The actual flow of the gas will be based on compression operating parameters and gathering system pressures.

Flowback Strategy

After the fracture treatment/completion operations, well(s) will be produced to temporary production tanks and gas will be flared or vented. During flowback, the fluids and sand content will be monitored. When the produced fluids contain minimal sand, the wells will be turned to production facilities. Gas sales should start as soon as the wells start flowing through the production facilities, unless there are operational issues on LUCID ENERGY DELAWARE, LLC system at that time. Based on current information, it is CENTENNIAL RESOURCE PRODUCTION, LLC's belief the system can take this gas upon completion of the well(s).

Safety requirements during cleanout operations from the use of underbalanced air cleanout systems may necessitate that sand and non-pipeline quality gas be vented and/or flared rather than sold on a temporary basis.

Alternatives to Reduce Flaring

Below are alternatives considered from a conceptual standpoint to reduce the amount of gas flared.

- Power Generation – On lease
  - Only a portion of gas is consumed operating the generator, remainder of gas will be flared
- Compressed Natural Gas – On lease
  - Gas flared would be minimal, but might be uneconomical to operate when gas volume declines
- NGL Removal – On lease
  - Plants are expensive, residue gas is still flared, and uneconomical to operate when gas volume declines

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

Form APD Comments

Permit 277202

PERMIT COMMENTS

Operator Name and Address:	API Number:
CENTENNIAL RESOURCE PRODUCTION, LLC [372165] 1001 17th Street, Suite 1800 Denver, CO 80202	30-025-46769
	Well: CARNE ASADA STATE COM #503H

Created By	Comment	Comment Date

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Form APD Conditions

Permit 277202

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address:	API Number:
CENTENNIAL RESOURCE PRODUCTION, LLC [372165] 1001 17th Street, Suite 1800 Denver, CO 80202	30-025-46769
	Well: CARNE ASADA STATE COM #503H

OCD Reviewer	Condition
pkautz	Will require a directional survey with the C-104
pkautz	1) SURFACE & INTERMEDIATE CASING - Cement must circulate to surface -- 2) PRODUCTION CASING - Cement must tie back into intermediate casing --
pkautz	If cement does not circulate to surface, must run temperature survey or other log to determine top of cement
pkautz	Surface casing must be set 25' below top of Rustler Anhydrite in order to seal off protectable water
pkautz	1)- The Operator is to notify NMOCD by sundry (Form C-103) within ten (10) days of the well being spud 2)- Drilling Sundries Form C-103 (Casing and Cement test are to be submitted within 10 days 3)- Completion Reports & Logs are to be submitted within 45 days 4)- Deviation / Directional Drill Survey are to be filed with or prior to C-104
pkautz	It is the operator's responsibility to monitor cancellation dates of approved APDs. APD's are good for 2 years and may be extended for one year. Only one 1 year extension will be granted if submitted by C-103 before expiration date. After expiration date or after a 1 year extension must submit new APD. If an APD expires and if site construction has occurred, site remediation is required.
pkautz	Stage Tool 1) Must notify OCD Hobbs Office prior to running Stage Tool at 5753703186 2) If using Stage Tool on Surface casing, Stage Tool must be set greater than 350' from surface and a minimum of 200 feet above surface shoe. 3) When using a Stage Tool on Intermediate or Production Casing Stage must be a minimum of 50 feet below previous casing shoe.

CENTENNIAL
RESOURCE DEVELOPMENT, INC

Project: LEA
Site: CARNE ASADA
Wells: CARNE ASADA STATE COM 503H_504
Design: PWP0
3631.4

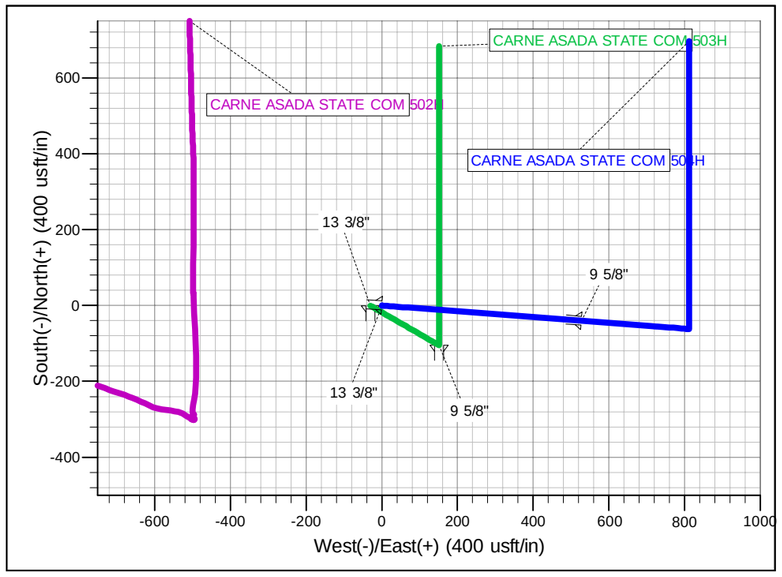
PROJECT DETAILS: LEA

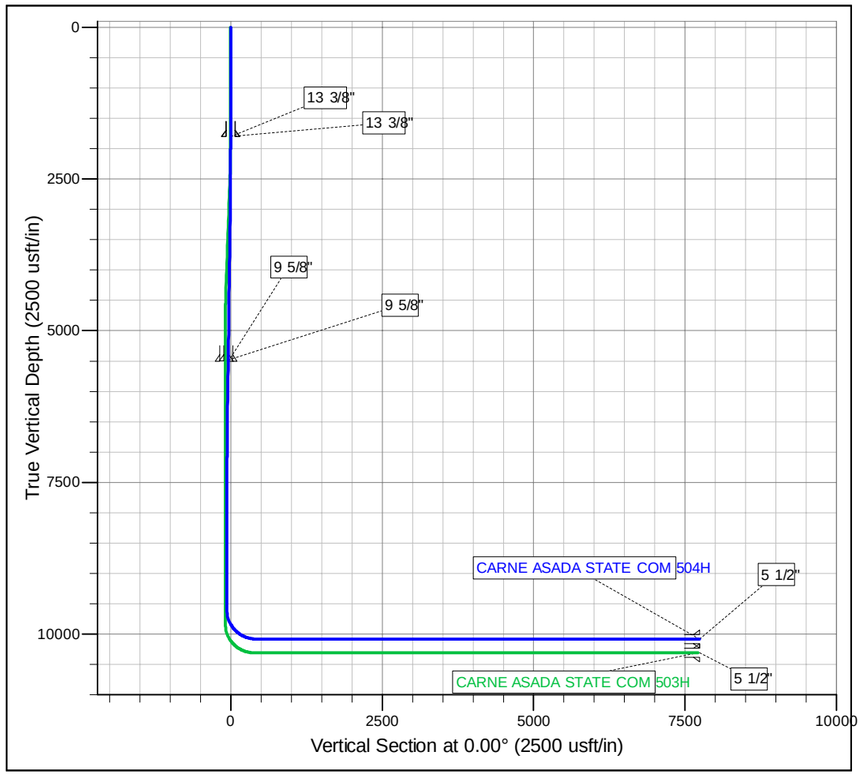
Geodetic System: Universal Transverse Mercator (US Survey Feet)
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: Zone 13N (108 W to 102 W)

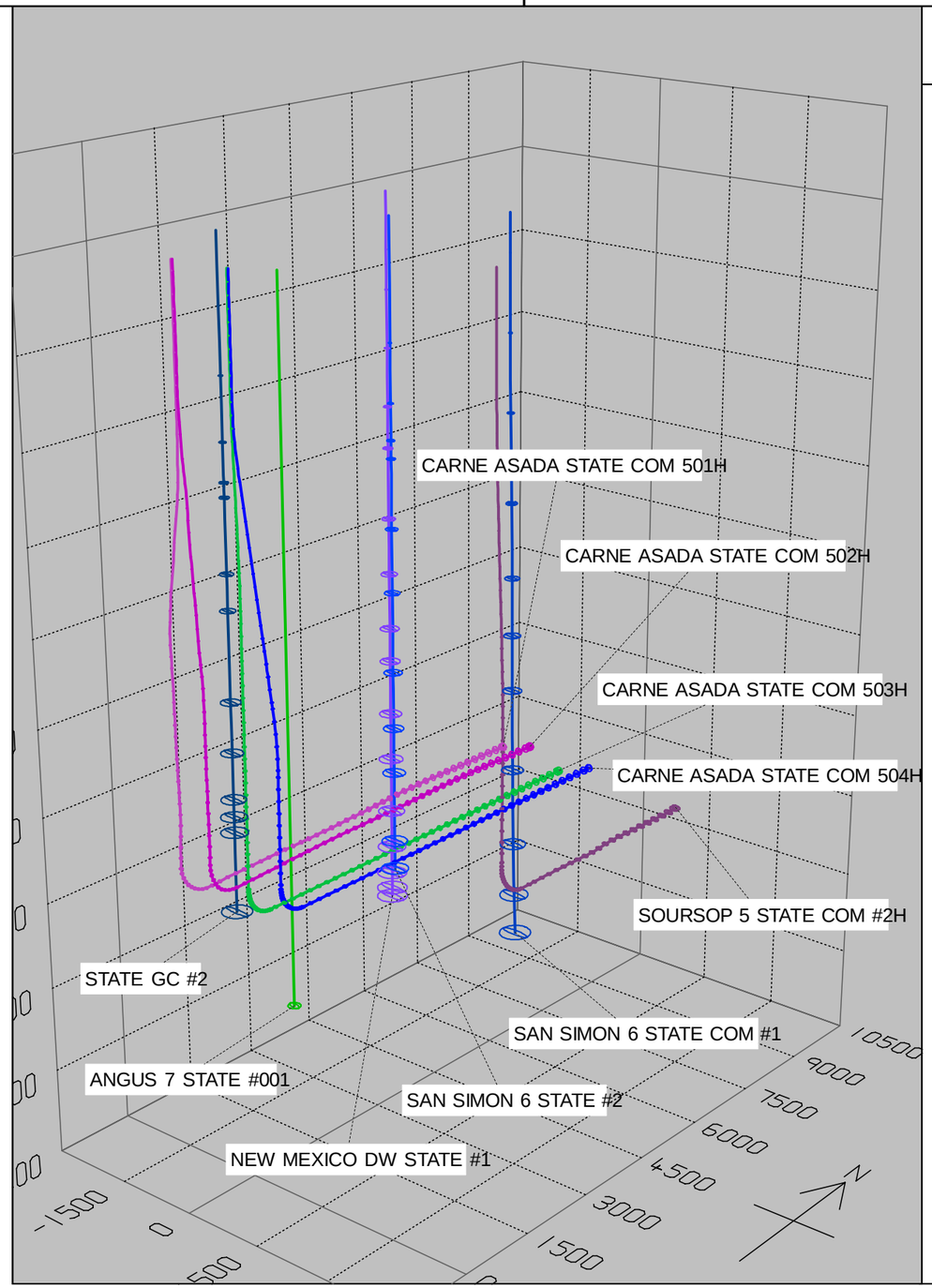
System Datum: Mean Sea Level

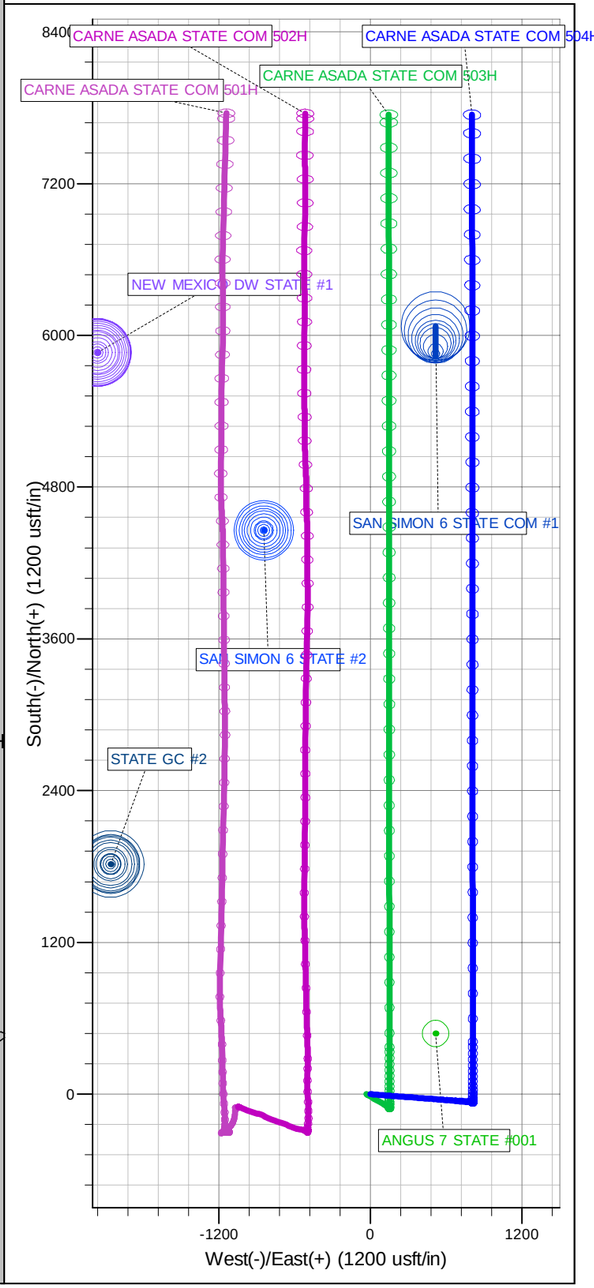
T M
Azimuths to True North
Magnetic North: 7.68°

Magnetic Field
Strength: 48920.4nT
Dip Angle: 60.44°
Date: 11/6/2018
Model: IGRF200510









NEW MEXICO

LEA
CARNE ASADA
CARNE ASADA STATE COM 503H

CARNE ASADA STATE COM 503H

Plan: PWP0

Standard Planning Report

10 January, 2020

Centennial Resource Dev

Planning Report

Database:	Compass	**Local Co-ordinate Reference:**	Well CARNE ASADA STATE COM 503H
Company:	NEW MEXICO	**TVD Reference:**	RKB=3631.4+25 @ 3656.4usft
Project:	LEA	**MD Reference:**	RKB=3631.4+25 @ 3656.4usft
Site:	CARNE ASADA	**North Reference:**	True
Well:	CARNE ASADA STATE COM 503H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	CARNE ASADA STATE COM 503H		
Design:	PWP0		

Project LEA

Map System:	Universal Transverse Mercator (US Survey Fee	**System Datum:**	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Zone 13N (108 W to 102 W)		

Site CARNE ASADA

Site Position:		**Northing:**	0.00 usft	**Latitude:**	0° 0' 0.000 N
From:	Map	**Easting:**	0.00 usft	**Longitude:**	109° 29' 19.478 W
Position Uncertainty:	0.0 usft	**Slot Radius:**	13-3/16 "	**Grid Convergence:**	0.00 °

Well CARNE ASADA STATE COM 503H

Well Position	**+N/-S**	11,767,162.0 usft	**Northing:**	11,767,153.49 usft	**Latitude:**	32° 24' 23.975 N
	+E/-W	2,133,398.9 usft	**Easting:**	2,133,445.90 usft	**Longitude:**	103° 24' 7.292 W
Position Uncertainty		0.0 usft	**Wellhead Elevation:**		**Ground Level:**	3,631.4 usft

Wellbore CARNE ASADA STATE COM 503H

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	12/31/2009	7.68	60.44	48,920.40003428

Design PWP0

Audit Notes:

Version:		**Phase:**	PLAN	**Tie On Depth:**	0.0

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	0.00

Plan Survey Tool Program **Date** 1/10/2020

	Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	17,960.0	PWP0 (CARNE ASADA STATE C	MWD+IFR1+MS OWSG_Rev2_ MWD + IFR	

Plan Sections

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,500.0	5.00	120.00	2,499.4	-10.9	18.9	1.00	1.00	0.00	120.00	
4,410.0	5.00	120.00	4,402.1	-94.1	163.0	0.00	0.00	0.00	0.00	
4,910.0	0.00	0.00	4,901.5	-105.0	181.9	1.00	-1.00	0.00	180.00	
9,838.0	0.00	0.00	9,829.5	-105.0	181.9	0.00	0.00	0.00	0.00	
10,588.1	90.00	359.96	10,307.0	372.5	181.6	12.00	12.00	0.00	359.96	
17,960.0	90.00	359.96	10,307.0	7,744.4	176.4	0.00	0.00	0.00	0.00	LTP/BHL - CARNE

Centennial Resource Dev

Planning Report

Database:	Compass	**Local Co-ordinate Reference:**	Well CARNE ASADA STATE COM 503H
Company:	NEW MEXICO	**TVD Reference:**	RKB=3631.4+25 @ 3656.4usft
Project:	LEA	**MD Reference:**	RKB=3631.4+25 @ 3656.4usft
Site:	CARNE ASADA	**North Reference:**	True
Well:	CARNE ASADA STATE COM 503H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	CARNE ASADA STATE COM 503H		
Design:	PWP0		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
13 3/8"									
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,100.0	1.00	120.00	2,100.0	-0.4	0.8	-0.4	1.00	1.00	0.00
2,200.0	2.00	120.00	2,200.0	-1.7	3.0	-1.7	1.00	1.00	0.00
2,300.0	3.00	120.00	2,299.9	-3.9	6.8	-3.9	1.00	1.00	0.00
2,400.0	4.00	120.00	2,399.7	-7.0	12.1	-7.0	1.00	1.00	0.00
2,500.0	5.00	120.00	2,499.4	-10.9	18.9	-10.9	1.00	1.00	0.00
2,600.0	5.00	120.00	2,599.0	-15.3	26.4	-15.3	0.00	0.00	0.00
2,700.0	5.00	120.00	2,698.6	-19.6	34.0	-19.6	0.00	0.00	0.00
2,800.0	5.00	120.00	2,798.2	-24.0	41.5	-24.0	0.00	0.00	0.00
2,900.0	5.00	120.00	2,897.8	-28.3	49.1	-28.3	0.00	0.00	0.00
3,000.0	5.00	120.00	2,997.5	-32.7	56.6	-32.7	0.00	0.00	0.00
3,100.0	5.00	120.00	3,097.1	-37.0	64.2	-37.0	0.00	0.00	0.00
3,200.0	5.00	120.00	3,196.7	-41.4	71.7	-41.4	0.00	0.00	0.00
3,300.0	5.00	120.00	3,296.3	-45.8	79.3	-45.8	0.00	0.00	0.00
3,400.0	5.00	120.00	3,395.9	-50.1	86.8	-50.1	0.00	0.00	0.00
3,500.0	5.00	120.00	3,495.6	-54.5	94.4	-54.5	0.00	0.00	0.00
3,600.0	5.00	120.00	3,595.2	-58.8	101.9	-58.8	0.00	0.00	0.00
3,700.0	5.00	120.00	3,694.8	-63.2	109.5	-63.2	0.00	0.00	0.00
3,800.0	5.00	120.00	3,794.4	-67.6	117.0	-67.6	0.00	0.00	0.00
3,900.0	5.00	120.00	3,894.0	-71.9	124.6	-71.9	0.00	0.00	0.00
4,000.0	5.00	120.00	3,993.7	-76.3	132.1	-76.3	0.00	0.00	0.00
4,100.0	5.00	120.00	4,093.3	-80.6	139.6	-80.6	0.00	0.00	0.00
4,200.0	5.00	120.00	4,192.9	-85.0	147.2	-85.0	0.00	0.00	0.00
4,300.0	5.00	120.00	4,292.5	-89.3	154.7	-89.3	0.00	0.00	0.00
4,400.0	5.00	120.00	4,392.1	-93.7	162.3	-93.7	0.00	0.00	0.00
4,410.0	5.00	120.00	4,402.1	-94.1	163.0	-94.1	0.00	0.00	0.00
4,500.0	4.10	120.00	4,491.8	-97.7	169.2	-97.7	1.00	-1.00	0.00
4,600.0	3.10	120.00	4,591.6	-100.8	174.7	-100.8	1.00	-1.00	0.00
4,700.0	2.10	120.00	4,691.5	-103.1	178.6	-103.1	1.00	-1.00	0.00
4,800.0	1.10	120.00	4,791.5	-104.5	181.0	-104.5	1.00	-1.00	0.00
4,900.0	0.10	120.00	4,891.5	-105.0	181.9	-105.0	1.00	-1.00	0.00
4,910.0	0.00	0.00	4,901.5	-105.0	181.9	-105.0	1.00	-1.00	0.00
5,000.0	0.00	0.00	4,991.5	-105.0	181.9	-105.0	0.00	0.00	0.00

Centennial Resource Dev

Planning Report

Database:	Compass	**Local Co-ordinate Reference:**	Well CARNE ASADA STATE COM 503H
Company:	NEW MEXICO	**TVD Reference:**	RKB=3631.4+25 @ 3656.4usft
Project:	LEA	**MD Reference:**	RKB=3631.4+25 @ 3656.4usft
Site:	CARNE ASADA	**North Reference:**	True
Well:	CARNE ASADA STATE COM 503H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	CARNE ASADA STATE COM 503H		
Design:	PWP0		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,100.0	0.00	0.00	5,091.5	-105.0	181.9	-105.0	0.00	0.00	0.00
5,200.0	0.00	0.00	5,191.5	-105.0	181.9	-105.0	0.00	0.00	0.00
5,300.0	0.00	0.00	5,291.5	-105.0	181.9	-105.0	0.00	0.00	0.00
5,400.0	0.00	0.00	5,391.5	-105.0	181.9	-105.0	0.00	0.00	0.00
5,500.0	0.00	0.00	5,491.5	-105.0	181.9	-105.0	0.00	0.00	0.00
5,508.5	0.00	0.00	5,500.0	-105.0	181.9	-105.0	0.00	0.00	0.00
9 5/8"									
5,600.0	0.00	0.00	5,591.5	-105.0	181.9	-105.0	0.00	0.00	0.00
5,700.0	0.00	0.00	5,691.5	-105.0	181.9	-105.0	0.00	0.00	0.00
5,800.0	0.00	0.00	5,791.5	-105.0	181.9	-105.0	0.00	0.00	0.00
5,900.0	0.00	0.00	5,891.5	-105.0	181.9	-105.0	0.00	0.00	0.00
6,000.0	0.00	0.00	5,991.5	-105.0	181.9	-105.0	0.00	0.00	0.00
6,100.0	0.00	0.00	6,091.5	-105.0	181.9	-105.0	0.00	0.00	0.00
6,200.0	0.00	0.00	6,191.5	-105.0	181.9	-105.0	0.00	0.00	0.00
6,300.0	0.00	0.00	6,291.5	-105.0	181.9	-105.0	0.00	0.00	0.00
6,400.0	0.00	0.00	6,391.5	-105.0	181.9	-105.0	0.00	0.00	0.00
6,500.0	0.00	0.00	6,491.5	-105.0	181.9	-105.0	0.00	0.00	0.00
6,600.0	0.00	0.00	6,591.5	-105.0	181.9	-105.0	0.00	0.00	0.00
6,700.0	0.00	0.00	6,691.5	-105.0	181.9	-105.0	0.00	0.00	0.00
6,800.0	0.00	0.00	6,791.5	-105.0	181.9	-105.0	0.00	0.00	0.00
6,900.0	0.00	0.00	6,891.5	-105.0	181.9	-105.0	0.00	0.00	0.00
7,000.0	0.00	0.00	6,991.5	-105.0	181.9	-105.0	0.00	0.00	0.00
7,100.0	0.00	0.00	7,091.5	-105.0	181.9	-105.0	0.00	0.00	0.00
7,200.0	0.00	0.00	7,191.5	-105.0	181.9	-105.0	0.00	0.00	0.00
7,300.0	0.00	0.00	7,291.5	-105.0	181.9	-105.0	0.00	0.00	0.00
7,400.0	0.00	0.00	7,391.5	-105.0	181.9	-105.0	0.00	0.00	0.00
7,500.0	0.00	0.00	7,491.5	-105.0	181.9	-105.0	0.00	0.00	0.00
7,600.0	0.00	0.00	7,591.5	-105.0	181.9	-105.0	0.00	0.00	0.00
7,700.0	0.00	0.00	7,691.5	-105.0	181.9	-105.0	0.00	0.00	0.00
7,800.0	0.00	0.00	7,791.5	-105.0	181.9	-105.0	0.00	0.00	0.00
7,900.0	0.00	0.00	7,891.5	-105.0	181.9	-105.0	0.00	0.00	0.00
8,000.0	0.00	0.00	7,991.5	-105.0	181.9	-105.0	0.00	0.00	0.00
8,100.0	0.00	0.00	8,091.5	-105.0	181.9	-105.0	0.00	0.00	0.00
8,200.0	0.00	0.00	8,191.5	-105.0	181.9	-105.0	0.00	0.00	0.00
8,300.0	0.00	0.00	8,291.5	-105.0	181.9	-105.0	0.00	0.00	0.00
8,400.0	0.00	0.00	8,391.5	-105.0	181.9	-105.0	0.00	0.00	0.00
8,500.0	0.00	0.00	8,491.5	-105.0	181.9	-105.0	0.00	0.00	0.00
8,600.0	0.00	0.00	8,591.5	-105.0	181.9	-105.0	0.00	0.00	0.00
8,700.0	0.00	0.00	8,691.5	-105.0	181.9	-105.0	0.00	0.00	0.00
8,800.0	0.00	0.00	8,791.5	-105.0	181.9	-105.0	0.00	0.00	0.00
8,900.0	0.00	0.00	8,891.5	-105.0	181.9	-105.0	0.00	0.00	0.00
9,000.0	0.00	0.00	8,991.5	-105.0	181.9	-105.0	0.00	0.00	0.00
9,100.0	0.00	0.00	9,091.5	-105.0	181.9	-105.0	0.00	0.00	0.00
9,200.0	0.00	0.00	9,191.5	-105.0	181.9	-105.0	0.00	0.00	0.00
9,300.0	0.00	0.00	9,291.5	-105.0	181.9	-105.0	0.00	0.00	0.00
9,400.0	0.00	0.00	9,391.5	-105.0	181.9	-105.0	0.00	0.00	0.00
9,500.0	0.00	0.00	9,491.5	-105.0	181.9	-105.0	0.00	0.00	0.00
9,600.0	0.00	0.00	9,591.5	-105.0	181.9	-105.0	0.00	0.00	0.00
9,700.0	0.00	0.00	9,691.5	-105.0	181.9	-105.0	0.00	0.00	0.00
9,800.0	0.00	0.00	9,791.5	-105.0	181.9	-105.0	0.00	0.00	0.00
9,838.0	0.00	0.00	9,829.5	-105.0	181.9	-105.0	0.00	0.00	0.00
9,900.0	7.44	359.96	9,891.3	-101.0	181.9	-101.0	12.00	12.00	0.00
10,000.0	19.44	359.96	9,988.4	-77.8	181.9	-77.8	12.00	12.00	0.00

Centennial Resource Dev
Planning Report

Database:	Compass	**Local Co-ordinate Reference:**	Well CARNE ASADA STATE COM 503H
Company:	NEW MEXICO	**TVD Reference:**	RKB=3631.4+25 @ 3656.4usft
Project:	LEA	**MD Reference:**	RKB=3631.4+25 @ 3656.4usft
Site:	CARNE ASADA	**North Reference:**	True
Well:	CARNE ASADA STATE COM 503H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	CARNE ASADA STATE COM 503H		
Design:	PWP0		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
10,100.0	31.44	359.96	10,078.5	-34.9	181.9	-34.9	12.00	12.00	0.00
10,200.0	43.43	359.96	10,157.8	25.7	181.8	25.7	12.00	12.00	0.00
10,300.0	55.43	359.96	10,222.7	101.6	181.8	101.6	12.00	12.00	0.00
10,400.0	67.43	359.96	10,270.4	189.2	181.7	189.2	12.00	12.00	0.00
10,500.0	79.43	359.96	10,298.9	284.9	181.7	284.9	12.00	12.00	0.00
10,588.1	90.00	359.96	10,307.0	372.5	181.6	372.5	12.00	12.00	0.00
10,600.0	90.00	359.96	10,307.0	384.4	181.6	384.4	0.00	0.00	0.00
10,700.0	90.00	359.96	10,307.0	484.4	181.5	484.4	0.00	0.00	0.00
10,800.0	90.00	359.96	10,307.0	584.4	181.4	584.4	0.00	0.00	0.00
10,900.0	90.00	359.96	10,307.0	684.4	181.4	684.4	0.00	0.00	0.00
11,000.0	90.00	359.96	10,307.0	784.4	181.3	784.4	0.00	0.00	0.00
11,100.0	90.00	359.96	10,307.0	884.4	181.2	884.4	0.00	0.00	0.00
11,200.0	90.00	359.96	10,307.0	984.4	181.2	984.4	0.00	0.00	0.00
11,300.0	90.00	359.96	10,307.0	1,084.4	181.1	1,084.4	0.00	0.00	0.00
11,400.0	90.00	359.96	10,307.0	1,184.4	181.0	1,184.4	0.00	0.00	0.00
11,500.0	90.00	359.96	10,307.0	1,284.4	181.0	1,284.4	0.00	0.00	0.00
11,600.0	90.00	359.96	10,307.0	1,384.4	180.9	1,384.4	0.00	0.00	0.00
11,700.0	90.00	359.96	10,307.0	1,484.4	180.8	1,484.4	0.00	0.00	0.00
11,800.0	90.00	359.96	10,307.0	1,584.4	180.7	1,584.4	0.00	0.00	0.00
11,900.0	90.00	359.96	10,307.0	1,684.4	180.7	1,684.4	0.00	0.00	0.00
12,000.0	90.00	359.96	10,307.0	1,784.4	180.6	1,784.4	0.00	0.00	0.00
12,100.0	90.00	359.96	10,307.0	1,884.4	180.5	1,884.4	0.00	0.00	0.00
12,200.0	90.00	359.96	10,307.0	1,984.4	180.5	1,984.4	0.00	0.00	0.00
12,300.0	90.00	359.96	10,307.0	2,084.4	180.4	2,084.4	0.00	0.00	0.00
12,400.0	90.00	359.96	10,307.0	2,184.4	180.3	2,184.4	0.00	0.00	0.00
12,500.0	90.00	359.96	10,307.0	2,284.4	180.3	2,284.4	0.00	0.00	0.00
12,600.0	90.00	359.96	10,307.0	2,384.4	180.2	2,384.4	0.00	0.00	0.00
12,700.0	90.00	359.96	10,307.0	2,484.4	180.1	2,484.4	0.00	0.00	0.00
12,800.0	90.00	359.96	10,307.0	2,584.4	180.1	2,584.4	0.00	0.00	0.00
12,900.0	90.00	359.96	10,307.0	2,684.4	180.0	2,684.4	0.00	0.00	0.00
13,000.0	90.00	359.96	10,307.0	2,784.4	179.9	2,784.4	0.00	0.00	0.00
13,100.0	90.00	359.96	10,307.0	2,884.4	179.8	2,884.4	0.00	0.00	0.00
13,200.0	90.00	359.96	10,307.0	2,984.4	179.8	2,984.4	0.00	0.00	0.00
13,300.0	90.00	359.96	10,307.0	3,084.4	179.7	3,084.4	0.00	0.00	0.00
13,400.0	90.00	359.96	10,307.0	3,184.4	179.6	3,184.4	0.00	0.00	0.00
13,500.0	90.00	359.96	10,307.0	3,284.4	179.6	3,284.4	0.00	0.00	0.00
13,600.0	90.00	359.96	10,307.0	3,384.4	179.5	3,384.4	0.00	0.00	0.00
13,700.0	90.00	359.96	10,307.0	3,484.4	179.4	3,484.4	0.00	0.00	0.00
13,800.0	90.00	359.96	10,307.0	3,584.4	179.4	3,584.4	0.00	0.00	0.00
13,900.0	90.00	359.96	10,307.0	3,684.4	179.3	3,684.4	0.00	0.00	0.00
14,000.0	90.00	359.96	10,307.0	3,784.4	179.2	3,784.4	0.00	0.00	0.00
14,100.0	90.00	359.96	10,307.0	3,884.4	179.1	3,884.4	0.00	0.00	0.00
14,200.0	90.00	359.96	10,307.0	3,984.4	179.1	3,984.4	0.00	0.00	0.00
14,300.0	90.00	359.96	10,307.0	4,084.4	179.0	4,084.4	0.00	0.00	0.00
14,400.0	90.00	359.96	10,307.0	4,184.4	178.9	4,184.4	0.00	0.00	0.00
14,500.0	90.00	359.96	10,307.0	4,284.4	178.9	4,284.4	0.00	0.00	0.00
14,600.0	90.00	359.96	10,307.0	4,384.4	178.8	4,384.4	0.00	0.00	0.00
14,700.0	90.00	359.96	10,307.0	4,484.4	178.7	4,484.4	0.00	0.00	0.00
14,800.0	90.00	359.96	10,307.0	4,584.4	178.7	4,584.4	0.00	0.00	0.00
14,900.0	90.00	359.96	10,307.0	4,684.4	178.6	4,684.4	0.00	0.00	0.00
15,000.0	90.00	359.96	10,307.0	4,784.4	178.5	4,784.4	0.00	0.00	0.00
15,100.0	90.00	359.96	10,307.0	4,884.4	178.4	4,884.4	0.00	0.00	0.00
15,200.0	90.00	359.96	10,307.0	4,984.4	178.4	4,984.4	0.00	0.00	0.00
15,300.0	90.00	359.96	10,307.0	5,084.4	178.3	5,084.4	0.00	0.00	0.00

Centennial Resource Dev
Planning Report

Database:	Compass	**Local Co-ordinate Reference:**	Well CARNE ASADA STATE COM 503H
Company:	NEW MEXICO	**TVD Reference:**	RKB=3631.4+25 @ 3656.4usft
Project:	LEA	**MD Reference:**	RKB=3631.4+25 @ 3656.4usft
Site:	CARNE ASADA	**North Reference:**	True
Well:	CARNE ASADA STATE COM 503H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	CARNE ASADA STATE COM 503H		
Design:	PWP0		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
15,400.0	90.00	359.96	10,307.0	5,184.4	178.2	5,184.4	0.00	0.00	0.00
15,500.0	90.00	359.96	10,307.0	5,284.4	178.2	5,284.4	0.00	0.00	0.00
15,600.0	90.00	359.96	10,307.0	5,384.4	178.1	5,384.4	0.00	0.00	0.00
15,700.0	90.00	359.96	10,307.0	5,484.4	178.0	5,484.4	0.00	0.00	0.00
15,800.0	90.00	359.96	10,307.0	5,584.4	178.0	5,584.4	0.00	0.00	0.00
15,900.0	90.00	359.96	10,307.0	5,684.4	177.9	5,684.4	0.00	0.00	0.00
16,000.0	90.00	359.96	10,307.0	5,784.4	177.8	5,784.4	0.00	0.00	0.00
16,100.0	90.00	359.96	10,307.0	5,884.4	177.7	5,884.4	0.00	0.00	0.00
16,200.0	90.00	359.96	10,307.0	5,984.4	177.7	5,984.4	0.00	0.00	0.00
16,300.0	90.00	359.96	10,307.0	6,084.4	177.6	6,084.4	0.00	0.00	0.00
16,400.0	90.00	359.96	10,307.0	6,184.4	177.5	6,184.4	0.00	0.00	0.00
16,500.0	90.00	359.96	10,307.0	6,284.4	177.5	6,284.4	0.00	0.00	0.00
16,600.0	90.00	359.96	10,307.0	6,384.4	177.4	6,384.4	0.00	0.00	0.00
16,700.0	90.00	359.96	10,307.0	6,484.4	177.3	6,484.4	0.00	0.00	0.00
16,800.0	90.00	359.96	10,307.0	6,584.4	177.3	6,584.4	0.00	0.00	0.00
16,900.0	90.00	359.96	10,307.0	6,684.4	177.2	6,684.4	0.00	0.00	0.00
17,000.0	90.00	359.96	10,307.0	6,784.4	177.1	6,784.4	0.00	0.00	0.00
17,100.0	90.00	359.96	10,307.0	6,884.4	177.0	6,884.4	0.00	0.00	0.00
17,200.0	90.00	359.96	10,307.0	6,984.4	177.0	6,984.4	0.00	0.00	0.00
17,300.0	90.00	359.96	10,307.0	7,084.4	176.9	7,084.4	0.00	0.00	0.00
17,400.0	90.00	359.96	10,307.0	7,184.4	176.8	7,184.4	0.00	0.00	0.00
17,500.0	90.00	359.96	10,307.0	7,284.4	176.8	7,284.4	0.00	0.00	0.00
17,600.0	90.00	359.96	10,307.0	7,384.4	176.7	7,384.4	0.00	0.00	0.00
17,700.0	90.00	359.96	10,307.0	7,484.4	176.6	7,484.4	0.00	0.00	0.00
17,800.0	90.00	359.96	10,307.0	7,584.4	176.6	7,584.4	0.00	0.00	0.00
17,900.0	90.00	359.96	10,307.0	7,684.4	176.5	7,684.4	0.00	0.00	0.00
17,960.0	90.00	359.96	10,307.0	7,744.4	176.4	7,744.4	0.00	0.00	0.00

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
FTP - CARNE ASADA	0.00	0.00	10,080.0	-61.9	841.9	11,767,104.18	2,134,288.59	32° 24' 23.362 N	103° 23' 57.471 W
- plan misses target center by 660.4usft at 10089.5usft MD (10069.5 TVD, -40.3 N, 181.9 E)									
- Circle (radius 50.0)									
LTP/BHL - CARNE AS	0.00	0.00	10,080.0	7,744.1	837.1	11,774,909.26	2,134,167.14	32° 25' 40.611 N	103° 23' 57.524 W
- plan misses target center by 698.6usft at 17959.3usft MD (10307.0 TVD, 7743.7 N, 176.4 E)									
- Point									
FTP - CARNE ASADA	0.00	0.00	10,307.0	-61.3	182.0	11,767,094.95	2,133,628.83	32° 24' 23.369 N	103° 24' 5.168 W
- plan misses target center by 167.7usft at 10231.0usft MD (10179.6 TVD, 47.8 N, 181.8 E)									
- Circle (radius 50.0)									
LTP/BHL - CARNE AS	0.00	0.00	10,307.0	7,744.4	177.3	11,774,899.63	2,133,507.39	32° 25' 40.614 N	103° 24' 5.223 W
- plan misses target center by 0.8usft at 17960.0usft MD (10307.0 TVD, 7744.4 N, 176.4 E)									
- Point									

Centennial Resource Dev
Planning Report

Database:	Compass	**Local Co-ordinate Reference:**	Well CARNE ASADA STATE COM 503H
Company:	NEW MEXICO	**TVD Reference:**	RKB=3631.4+25 @ 3656.4usft
Project:	LEA	**MD Reference:**	RKB=3631.4+25 @ 3656.4usft
Site:	CARNE ASADA	**North Reference:**	True
Well:	CARNE ASADA STATE COM 503H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	CARNE ASADA STATE COM 503H		
Design:	PWP0		

Casing Points

Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")
1,800.0	1,800.0	13 3/8"	13-3/8	17-1/2
5,508.5	5,500.0	9 5/8"	9-5/8	12-1/4
17,960.0	10,307.0	5 1/2"	5-1/2	8-1/2

Intent ☐ As Drilled ☐

API #		
Operator Name:	Property Name:	Well Number

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

Is this well the defining well for the Horizontal Spacing Unit? ☐

Is this well an infill well? ☐

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API #		
Operator Name:	Property Name:	Well Number

KZ 06/29/2018