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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 C-101
August 1, 2011

Permit 271785

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 30-025-46344
4. Property Code 321644	5. Property Name DUCK HUNT 1 STATE COM	6. Well No. 302H

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
J	1	23S	34E	J	2039	S	1985	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
O	12	23S	34E	O	100	S	1649	E	Lea

9. Pool Information

ANTELOPE RIDGE;BONE SPRING, NORTH	2205

Additional Well Information

11. Work Type	12. Well Type	13. Cable/Rotary	14. Lease Type	15. Ground Level Elevation
New Well	OIL		State	3366
16. Multiple	**17. Proposed Depth**	**18. Formation**	**19. Contractor**	**20. Spud Date**
N	17246	1st Bone Spring Sand		11/4/2019
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	1850	1572	0
Int1	12.25	9.625	40	5450	1324	0
Prod	8.75	5.5	20	10104	778	0
Prod	8.5	5.5	20	17246	1879	9204

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:	9/5/2019	Expiration Date: 9/5/2021
Date:	9/4/2019 Phone: 720-499-1454	Conditions of Approval Attached		

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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
30-025-46344	2205	Antelope Ridge; Bone Spring, North

[4] Property Code	[5] Property Name	[6] Well Number
321644	DUCK HUNT 1 STATE COM	#302H

[7] OGRID No.	[8] Operator Name	[9] Elevation
372165	CENTENNIAL RESOURCE PRODUCTION, LLC	3366.2'

[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
J	1	23S	34E		2039	SOUTH	1985	EAST	LEA

[11] Bottom Hole Location If Different From Surface

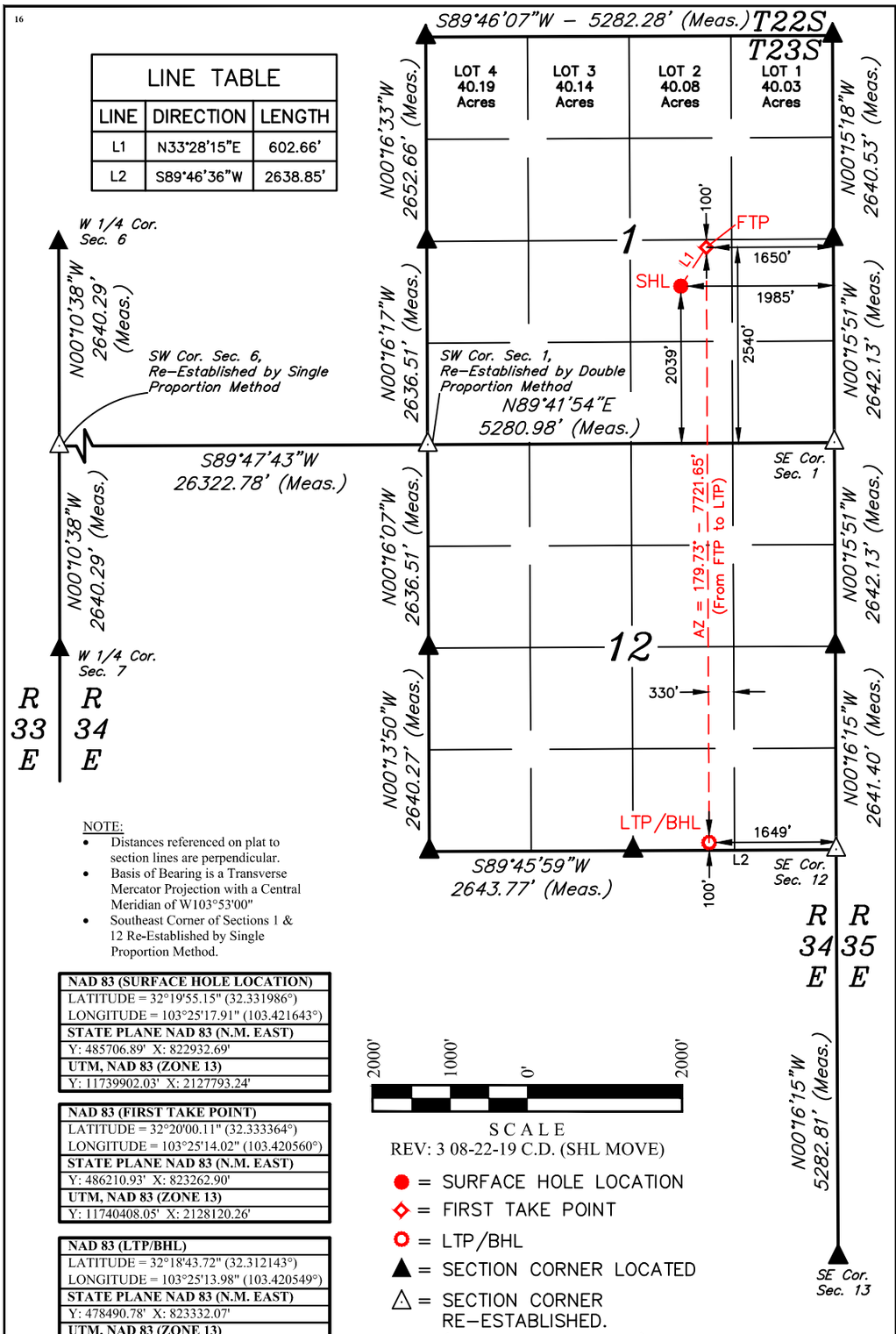
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	12	23S	34E		100	SOUTH	1649	EAST	LEA

[12] Dedicated Acres	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
240			

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]

LINE TABLE		
LINE	DIRECTION	LENGTH
L1	N33°28'15"E	602.66'
L2	S89°46'36"W	2638.85'



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"
- Southeast Corner of Sections 1 & 12 Re-Established by Single Proportion Method.

NAD 83 (SURFACE HOLE LOCATION)
LATITUDE = 32°19'55.15" (32.331986°)
LONGITUDE = 103°25'17.91" (103.421643°)
STATE PLANE NAD 83 (N.M. EAST)
Y: 485706.89' X: 822932.69'
UTM, NAD 83 (ZONE 13)
Y: 11739902.03' X: 2127793.24'

NAD 83 (FIRST TAKE POINT)
LATITUDE = 32°20'00.11" (32.333364°)
LONGITUDE = 103°25'14.02" (103.420560°)
STATE PLANE NAD 83 (N.M. EAST)
Y: 486210.93' X: 823262.90'
UTM, NAD 83 (ZONE 13)
Y: 11740408.05' X: 2128120.26'

NAD 83 (LTP/BHL)
LATITUDE = 32°18'43.72" (32.312143°)
LONGITUDE = 103°25'13.98" (103.420549°)
STATE PLANE NAD 83 (N.M. EAST)
Y: 478490.78' X: 823332.07'
UTM, NAD 83 (ZONE 13)
Y: 11732689.47' X: 2128237.46'

2000' 1000' 0' 2000'

SCALE

REV: 3 08-22-19 C.D. (SHL MOVE)

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

[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.

Signature 9/4/19 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.

November 08, 2018
Date of Survey

Signature and Seal of Professional Surveyor:

PAUL BUCHELE NEW MEXICO 23782 PROFESSIONAL SURVEYOR 08-22-19

Certificate Number:

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1220 S. St Francis Dr.
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GAS CAPTURE PLAN

Date: 9/5/2019

☒ 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
DUCK HUNT 1 STATE COM #302H	30-025-46344	J-1-23S-34E	2039S 1985E	3500	None	Lucid's gathering system is both high pressure and low pressure.

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 20' 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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PERMIT COMMENTS

Operator Name and Address:	API Number:
CENTENNIAL RESOURCE PRODUCTION, LLC [372165] 1001 17th Street, Suite 1800 Denver, CO 80202	30-025-46344
	Well: DUCK HUNT 1 STATE COM #302H

Created By	Comment	Comment Date
kcastillo	Spudder rig will preset surface casing. C-102, Additional points required, GCP, drilling survey, and receipt will be email after permit is submitted.	9/4/2019

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PERMIT CONDITIONS OF APPROVAL

Operator Name and Address:	API Number:
CENTENNIAL RESOURCE PRODUCTION, LLC [372165] 1001 17th Street, Suite 1800 Denver, CO 80202	30-025-46344
	Well: DUCK HUNT 1 STATE COM #302H

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.
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.

NEW MEXICO

LEA
DUCK HUNT
DUCK HUNT 1 STATE COM 302H

DUCK HUNT 1 STATE COM 302H

Plan: PWP1

Survey Report - Geographic

30 August, 2019

LGC

Survey Report - Geographic

Company:	NEW MEXICO	**Local Co-ordinate Reference:**	Well DUCK HUNT 1 STATE COM 302H
Project:	LEA	**TVD Reference:**	RKB=3366+25 @ 3391.0usft
Site:	DUCK HUNT	**MD Reference:**	RKB=3366+25 @ 3391.0usft
Well:	DUCK HUNT 1 STATE COM 302H	**North Reference:**	True
Wellbore:	DUCK HUNT 1 STATE COM 302H	**Survey Calculation Method:**	Minimum Curvature
Design:	PWP1	**Database:**	Centennial EDM SQL Server

Project LEA

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

Site DUCK HUNT

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 DUCK HUNT 1 STATE COM 302H

Well Position	**+N/-S**	0.0 usft	**Northing:**	11,739,902.03 usft	**Latitude:**	32° 19' 55.150 N
	+E/-W	0.0 usft	**Easting:**	2,127,793.24 usft	**Longitude:**	103° 25' 17.915 W
Position Uncertainty		0.0 usft	**Wellhead Elevation:**	usft	**Ground Level:**	3,366.0 usft

Wellbore DUCK HUNT 1 STATE COM 302H

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	12/31/2009	7.69	60.37	48,875.16447824

Design PWP1

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	177.32

Survey Tool Program **Date** 8/26/2019

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.0	17,245.8	PWP1 (DUCK HUNT 1 STATE COM 302H	MWD+IFR1+MS	OWSG_Rev2_ MWD + IFR1 + Multi-Station Correction

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
0.0	0.00	0.00	0.0	0.0	0.0	11,739,902.03	2,127,793.24	32° 19' 55.150 N	103° 25' 17.915 W
100.0	0.00	0.00	100.0	0.0	0.0	11,739,902.03	2,127,793.24	32° 19' 55.150 N	103° 25' 17.915 W
200.0	0.00	0.00	200.0	0.0	0.0	11,739,902.03	2,127,793.24	32° 19' 55.150 N	103° 25' 17.915 W
300.0	0.00	0.00	300.0	0.0	0.0	11,739,902.03	2,127,793.24	32° 19' 55.150 N	103° 25' 17.915 W
400.0	0.00	0.00	400.0	0.0	0.0	11,739,902.03	2,127,793.24	32° 19' 55.150 N	103° 25' 17.915 W
500.0	0.00	0.00	500.0	0.0	0.0	11,739,902.03	2,127,793.24	32° 19' 55.150 N	103° 25' 17.915 W
600.0	0.00	0.00	600.0	0.0	0.0	11,739,902.03	2,127,793.24	32° 19' 55.150 N	103° 25' 17.915 W
700.0	0.00	0.00	700.0	0.0	0.0	11,739,902.03	2,127,793.24	32° 19' 55.150 N	103° 25' 17.915 W
800.0	0.00	0.00	800.0	0.0	0.0	11,739,902.03	2,127,793.24	32° 19' 55.150 N	103° 25' 17.915 W
900.0	0.00	0.00	900.0	0.0	0.0	11,739,902.03	2,127,793.24	32° 19' 55.150 N	103° 25' 17.915 W
1,000.0	0.00	0.00	1,000.0	0.0	0.0	11,739,902.03	2,127,793.24	32° 19' 55.150 N	103° 25' 17.915 W
1,100.0	0.00	0.00	1,100.0	0.0	0.0	11,739,902.03	2,127,793.24	32° 19' 55.150 N	103° 25' 17.915 W

LGC

Survey Report - Geographic

Company:	NEW MEXICO	**Local Co-ordinate Reference:**	Well DUCK HUNT 1 STATE COM 302H
Project:	LEA	**TVD Reference:**	RKB=3366+25 @ 3391.0usft
Site:	DUCK HUNT	**MD Reference:**	RKB=3366+25 @ 3391.0usft
Well:	DUCK HUNT 1 STATE COM 302H	**North Reference:**	True
Wellbore:	DUCK HUNT 1 STATE COM 302H	**Survey Calculation Method:**	Minimum Curvature
Design:	PWP1	**Database:**	Centennial EDM SQL Server

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
1,200.0	0.00	0.00	1,200.0	0.0	0.0	11,739,902.03	2,127,793.24	32° 19' 55.150 N	103° 25' 17.915 W
1,300.0	0.00	0.00	1,300.0	0.0	0.0	11,739,902.03	2,127,793.24	32° 19' 55.150 N	103° 25' 17.915 W
1,400.0	0.00	0.00	1,400.0	0.0	0.0	11,739,902.03	2,127,793.24	32° 19' 55.150 N	103° 25' 17.915 W
1,500.0	0.00	0.00	1,500.0	0.0	0.0	11,739,902.03	2,127,793.24	32° 19' 55.150 N	103° 25' 17.915 W
1,600.0	0.00	0.00	1,600.0	0.0	0.0	11,739,902.03	2,127,793.24	32° 19' 55.150 N	103° 25' 17.915 W
1,700.0	0.00	0.00	1,700.0	0.0	0.0	11,739,902.03	2,127,793.24	32° 19' 55.150 N	103° 25' 17.915 W
1,800.0	0.00	0.00	1,800.0	0.0	0.0	11,739,902.03	2,127,793.24	32° 19' 55.150 N	103° 25' 17.915 W
1,900.0	0.00	0.00	1,900.0	0.0	0.0	11,739,902.03	2,127,793.24	32° 19' 55.150 N	103° 25' 17.915 W
2,000.0	0.00	0.00	2,000.0	0.0	0.0	11,739,902.03	2,127,793.24	32° 19' 55.150 N	103° 25' 17.915 W
2,100.0	1.00	34.00	2,100.0	0.7	0.5	11,739,902.76	2,127,793.71	32° 19' 55.157 N	103° 25' 17.909 W
2,200.0	2.00	34.00	2,200.0	2.9	2.0	11,739,904.95	2,127,795.15	32° 19' 55.178 N	103° 25' 17.892 W
2,300.0	3.00	34.00	2,299.9	6.5	4.4	11,739,908.61	2,127,797.53	32° 19' 55.214 N	103° 25' 17.864 W
2,400.0	4.00	34.00	2,399.7	11.6	7.8	11,739,913.72	2,127,800.87	32° 19' 55.264 N	103° 25' 17.824 W
2,500.0	5.00	34.00	2,499.4	18.1	12.2	11,739,920.29	2,127,805.16	32° 19' 55.329 N	103° 25' 17.773 W
2,600.0	6.00	34.00	2,598.9	26.0	17.6	11,739,928.31	2,127,810.40	32° 19' 55.407 N	103° 25' 17.710 W
2,700.0	7.00	34.00	2,698.3	35.4	23.9	11,739,937.79	2,127,816.59	32° 19' 55.500 N	103° 25' 17.636 W
2,800.0	8.00	34.00	2,797.4	46.2	31.2	11,739,948.71	2,127,823.73	32° 19' 55.607 N	103° 25' 17.551 W
2,900.0	8.00	34.00	2,896.4	57.8	39.0	11,739,960.37	2,127,831.35	32° 19' 55.721 N	103° 25' 17.461 W
3,000.0	8.00	34.00	2,995.5	69.3	46.7	11,739,972.02	2,127,838.96	32° 19' 55.836 N	103° 25' 17.370 W
3,100.0	8.00	34.00	3,094.5	80.8	54.5	11,739,983.67	2,127,846.57	32° 19' 55.950 N	103° 25' 17.279 W
3,200.0	8.00	34.00	3,193.5	92.4	62.3	11,739,995.32	2,127,854.18	32° 19' 56.064 N	103° 25' 17.189 W
3,300.0	8.00	34.00	3,292.5	103.9	70.1	11,740,006.97	2,127,861.79	32° 19' 56.178 N	103° 25' 17.098 W
3,400.0	8.00	34.00	3,391.6	115.5	77.9	11,740,018.62	2,127,869.40	32° 19' 56.292 N	103° 25' 17.007 W
3,500.0	8.00	34.00	3,490.6	127.0	85.7	11,740,030.27	2,127,877.01	32° 19' 56.406 N	103° 25' 16.916 W
3,600.0	8.00	34.00	3,589.6	138.5	93.4	11,740,041.93	2,127,884.63	32° 19' 56.521 N	103° 25' 16.826 W
3,700.0	8.00	34.00	3,688.6	150.1	101.2	11,740,053.58	2,127,892.24	32° 19' 56.635 N	103° 25' 16.735 W
3,800.0	8.00	34.00	3,787.7	161.6	109.0	11,740,065.23	2,127,899.85	32° 19' 56.749 N	103° 25' 16.644 W
3,900.0	8.00	34.00	3,886.7	173.1	116.8	11,740,076.88	2,127,907.46	32° 19' 56.863 N	103° 25' 16.554 W
4,000.0	8.00	34.00	3,985.7	184.7	124.6	11,740,088.53	2,127,915.07	32° 19' 56.977 N	103° 25' 16.463 W
4,100.0	8.00	34.00	4,084.8	196.2	132.4	11,740,100.18	2,127,922.68	32° 19' 57.092 N	103° 25' 16.372 W
4,200.0	8.00	34.00	4,183.8	207.8	140.1	11,740,111.83	2,127,930.30	32° 19' 57.206 N	103° 25' 16.281 W
4,300.0	8.00	34.00	4,282.8	219.3	147.9	11,740,123.48	2,127,937.91	32° 19' 57.320 N	103° 25' 16.191 W
4,400.0	8.00	34.00	4,381.8	230.8	155.7	11,740,135.14	2,127,945.52	32° 19' 57.434 N	103° 25' 16.100 W
4,500.0	8.00	34.00	4,480.9	242.4	163.5	11,740,146.79	2,127,953.13	32° 19' 57.548 N	103° 25' 16.009 W
4,600.0	8.00	34.00	4,579.9	253.9	171.3	11,740,158.44	2,127,960.74	32° 19' 57.662 N	103° 25' 15.919 W
4,700.0	8.00	34.00	4,678.9	265.4	179.0	11,740,170.09	2,127,968.35	32° 19' 57.777 N	103° 25' 15.828 W
4,800.0	8.00	34.00	4,777.9	277.0	186.8	11,740,181.74	2,127,975.97	32° 19' 57.891 N	103° 25' 15.737 W
4,900.0	8.00	34.00	4,877.0	288.5	194.6	11,740,193.39	2,127,983.58	32° 19' 58.005 N	103° 25' 15.646 W
5,000.0	8.00	34.00	4,976.0	300.1	202.4	11,740,205.04	2,127,991.19	32° 19' 58.119 N	103° 25' 15.556 W
5,100.0	8.00	34.00	5,075.0	311.6	210.2	11,740,216.70	2,127,998.80	32° 19' 58.233 N	103° 25' 15.465 W
5,200.0	8.00	34.00	5,174.0	323.1	218.0	11,740,228.35	2,128,006.41	32° 19' 58.348 N	103° 25' 15.374 W
5,300.0	8.00	34.00	5,273.1	334.7	225.7	11,740,240.00	2,128,014.02	32° 19' 58.462 N	103° 25' 15.284 W
5,400.0	8.00	34.00	5,372.1	346.2	233.5	11,740,251.65	2,128,021.63	32° 19' 58.576 N	103° 25' 15.193 W
5,500.0	8.00	34.00	5,471.1	357.8	241.3	11,740,263.30	2,128,029.25	32° 19' 58.690 N	103° 25' 15.102 W
5,600.0	8.00	34.00	5,570.2	369.3	249.1	11,740,274.95	2,128,036.86	32° 19' 58.804 N	103° 25' 15.011 W
5,700.0	8.00	34.00	5,669.2	380.8	256.9	11,740,286.60	2,128,044.47	32° 19' 58.918 N	103° 25' 14.921 W
5,800.0	8.00	34.00	5,768.2	392.4	264.7	11,740,298.26	2,128,052.08	32° 19' 59.033 N	103° 25' 14.830 W
5,900.0	8.00	34.00	5,867.2	403.9	272.4	11,740,309.91	2,128,059.69	32° 19' 59.147 N	103° 25' 14.739 W
6,000.0	8.00	34.00	5,966.3	415.4	280.2	11,740,321.56	2,128,067.30	32° 19' 59.261 N	103° 25' 14.649 W
6,100.0	8.00	34.00	6,065.3	427.0	288.0	11,740,333.21	2,128,074.92	32° 19' 59.375 N	103° 25' 14.558 W
6,200.0	8.00	34.00	6,164.3	438.5	295.8	11,740,344.86	2,128,082.53	32° 19' 59.489 N	103° 25' 14.467 W
6,300.0	8.00	34.00	6,263.3	450.1	303.6	11,740,356.51	2,128,090.14	32° 19' 59.604 N	103° 25' 14.376 W
6,400.0	7.00	34.00	6,362.5	460.9	310.9	11,740,367.44	2,128,097.28	32° 19' 59.711 N	103° 25' 14.291 W
6,500.0	6.00	34.00	6,461.8	470.3	317.2	11,740,376.92	2,128,103.47	32° 19' 59.804 N	103° 25' 14.218 W
6,600.0	5.00	34.00	6,561.4	478.2	322.6	11,740,384.94	2,128,108.71	32° 19' 59.882 N	103° 25' 14.155 W

LGC

Survey Report - Geographic

Company:	NEW MEXICO	**Local Co-ordinate Reference:**	Well DUCK HUNT 1 STATE COM 302H
Project:	LEA	**TVD Reference:**	RKB=3366+25 @ 3391.0usft
Site:	DUCK HUNT	**MD Reference:**	RKB=3366+25 @ 3391.0usft
Well:	DUCK HUNT 1 STATE COM 302H	**North Reference:**	True
Wellbore:	DUCK HUNT 1 STATE COM 302H	**Survey Calculation Method:**	Minimum Curvature
Design:	PWP1	**Database:**	Centennial EDM SQL Server

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
6,700.0	4.00	34.00	6,661.1	484.7	326.9	11,740,391.51	2,128,113.00	32° 19' 59.947 N	103° 25' 14.104 W
6,800.0	3.00	34.00	6,760.9	489.8	330.4	11,740,396.62	2,128,116.34	32° 19' 59.997 N	103° 25' 14.064 W
6,900.0	2.00	34.00	6,860.8	493.4	332.8	11,740,400.27	2,128,118.73	32° 20' 0.032 N	103° 25' 14.036 W
7,000.0	1.00	34.00	6,960.7	495.6	334.3	11,740,402.46	2,128,120.16	32° 20' 0.054 N	103° 25' 14.019 W
7,100.0	0.00	0.00	7,060.7	496.3	334.7	11,740,403.19	2,128,120.63	32° 20' 0.061 N	103° 25' 14.013 W
7,200.0	0.00	0.00	7,160.7	496.3	334.7	11,740,403.19	2,128,120.63	32° 20' 0.061 N	103° 25' 14.013 W
7,300.0	0.00	0.00	7,260.7	496.3	334.7	11,740,403.19	2,128,120.63	32° 20' 0.061 N	103° 25' 14.013 W
7,400.0	0.00	0.00	7,360.7	496.3	334.7	11,740,403.19	2,128,120.63	32° 20' 0.061 N	103° 25' 14.013 W
7,500.0	0.00	0.00	7,460.7	496.3	334.7	11,740,403.19	2,128,120.63	32° 20' 0.061 N	103° 25' 14.013 W
7,600.0	0.00	0.00	7,560.7	496.3	334.7	11,740,403.19	2,128,120.63	32° 20' 0.061 N	103° 25' 14.013 W
7,700.0	0.00	0.00	7,660.7	496.3	334.7	11,740,403.19	2,128,120.63	32° 20' 0.061 N	103° 25' 14.013 W
7,800.0	0.00	0.00	7,760.7	496.3	334.7	11,740,403.19	2,128,120.63	32° 20' 0.061 N	103° 25' 14.013 W
7,900.0	0.00	0.00	7,860.7	496.3	334.7	11,740,403.19	2,128,120.63	32° 20' 0.061 N	103° 25' 14.013 W
8,000.0	0.00	0.00	7,960.7	496.3	334.7	11,740,403.19	2,128,120.63	32° 20' 0.061 N	103° 25' 14.013 W
8,100.0	0.00	0.00	8,060.7	496.3	334.7	11,740,403.19	2,128,120.63	32° 20' 0.061 N	103° 25' 14.013 W
8,200.0	0.00	0.00	8,160.7	496.3	334.7	11,740,403.19	2,128,120.63	32° 20' 0.061 N	103° 25' 14.013 W
8,300.0	0.00	0.00	8,260.7	496.3	334.7	11,740,403.19	2,128,120.63	32° 20' 0.061 N	103° 25' 14.013 W
8,400.0	0.00	0.00	8,360.7	496.3	334.7	11,740,403.19	2,128,120.63	32° 20' 0.061 N	103° 25' 14.013 W
8,500.0	0.00	0.00	8,460.7	496.3	334.7	11,740,403.19	2,128,120.63	32° 20' 0.061 N	103° 25' 14.013 W
8,600.0	0.00	0.00	8,560.7	496.3	334.7	11,740,403.19	2,128,120.63	32° 20' 0.061 N	103° 25' 14.013 W
8,700.0	0.00	0.00	8,660.7	496.3	334.7	11,740,403.19	2,128,120.63	32° 20' 0.061 N	103° 25' 14.013 W
8,800.0	0.00	0.00	8,760.7	496.3	334.7	11,740,403.19	2,128,120.63	32° 20' 0.061 N	103° 25' 14.013 W
8,900.0	0.00	0.00	8,860.7	496.3	334.7	11,740,403.19	2,128,120.63	32° 20' 0.061 N	103° 25' 14.013 W
9,000.0	0.00	0.00	8,960.7	496.3	334.7	11,740,403.19	2,128,120.63	32° 20' 0.061 N	103° 25' 14.013 W
9,100.0	0.00	0.00	9,060.7	496.3	334.7	11,740,403.19	2,128,120.63	32° 20' 0.061 N	103° 25' 14.013 W
9,200.0	0.00	0.00	9,160.7	496.3	334.7	11,740,403.19	2,128,120.63	32° 20' 0.061 N	103° 25' 14.013 W
9,204.3	0.00	0.00	9,165.0	496.3	334.7	11,740,403.19	2,128,120.63	32° 20' 0.061 N	103° 25' 14.013 W
9,300.0	9.57	179.98	9,260.3	488.3	334.8	11,740,395.22	2,128,120.76	32° 19' 59.982 N	103° 25' 14.013 W
9,400.0	19.57	179.98	9,357.0	463.2	334.8	11,740,370.10	2,128,121.14	32° 19' 59.734 N	103° 25' 14.013 W
9,500.0	29.57	179.98	9,447.8	421.7	334.8	11,740,328.58	2,128,121.77	32° 19' 59.323 N	103° 25' 14.013 W
9,600.0	39.57	179.98	9,530.0	365.0	334.8	11,740,271.91	2,128,122.62	32° 19' 58.762 N	103° 25' 14.012 W
9,700.0	49.57	179.98	9,601.2	294.9	334.8	11,740,201.83	2,128,123.68	32° 19' 58.068 N	103° 25' 14.012 W
9,800.0	59.57	179.98	9,659.1	213.5	334.9	11,740,120.46	2,128,124.92	32° 19' 57.263 N	103° 25' 14.012 W
9,900.0	69.57	179.98	9,702.0	123.3	334.9	11,740,030.28	2,128,126.28	32° 19' 56.370 N	103° 25' 14.011 W
10,000.0	79.57	179.98	9,728.5	27.1	334.9	11,739,934.02	2,128,127.74	32° 19' 55.417 N	103° 25' 14.011 W
10,100.0	89.57	179.98	9,738.0	-72.4	335.0	11,739,834.60	2,128,129.25	32° 19' 54.433 N	103° 25' 14.010 W
10,104.3	90.00	179.98	9,738.0	-76.7	335.0	11,739,830.30	2,128,129.31	32° 19' 54.391 N	103° 25' 14.010 W
10,200.0	90.00	179.98	9,738.0	-172.4	335.0	11,739,734.61	2,128,130.76	32° 19' 53.444 N	103° 25' 14.010 W
10,300.0	90.00	179.98	9,738.0	-272.4	335.1	11,739,634.62	2,128,132.27	32° 19' 52.454 N	103° 25' 14.009 W
10,400.0	90.00	179.98	9,738.0	-372.4	335.1	11,739,534.64	2,128,133.79	32° 19' 51.465 N	103° 25' 14.009 W
10,500.0	90.00	179.98	9,738.0	-472.4	335.1	11,739,434.65	2,128,135.30	32° 19' 50.475 N	103° 25' 14.009 W
10,600.0	90.00	179.98	9,738.0	-572.4	335.2	11,739,334.66	2,128,136.82	32° 19' 49.485 N	103° 25' 14.008 W
10,700.0	90.00	179.98	9,738.0	-672.4	335.2	11,739,234.67	2,128,138.33	32° 19' 48.496 N	103° 25' 14.008 W
10,800.0	90.00	179.98	9,738.0	-772.4	335.3	11,739,134.68	2,128,139.85	32° 19' 47.506 N	103° 25' 14.007 W
10,900.0	90.00	179.98	9,738.0	-872.4	335.3	11,739,034.69	2,128,141.36	32° 19' 46.516 N	103° 25' 14.007 W
11,000.0	90.00	179.98	9,738.0	-972.4	335.3	11,738,934.71	2,128,142.87	32° 19' 45.527 N	103° 25' 14.006 W
11,100.0	90.00	179.98	9,738.0	-1,072.4	335.4	11,738,834.72	2,128,144.39	32° 19' 44.537 N	103° 25' 14.006 W
11,200.0	90.00	179.98	9,738.0	-1,172.4	335.4	11,738,734.73	2,128,145.90	32° 19' 43.548 N	103° 25' 14.005 W
11,300.0	90.00	179.98	9,738.0	-1,272.4	335.5	11,738,634.74	2,128,147.42	32° 19' 42.558 N	103° 25' 14.005 W
11,400.0	90.00	179.98	9,738.0	-1,372.4	335.5	11,738,534.75	2,128,148.93	32° 19' 41.568 N	103° 25' 14.004 W
11,500.0	90.00	179.98	9,738.0	-1,472.4	335.5	11,738,434.76	2,128,150.45	32° 19' 40.579 N	103° 25' 14.004 W
11,600.0	90.00	179.98	9,738.0	-1,572.4	335.6	11,738,334.77	2,128,151.96	32° 19' 39.589 N	103° 25' 14.003 W
11,700.0	90.00	179.98	9,738.0	-1,672.4	335.6	11,738,234.79	2,128,153.48	32° 19' 38.599 N	103° 25' 14.003 W
11,800.0	90.00	179.98	9,738.0	-1,772.4	335.7	11,738,134.80	2,128,154.99	32° 19' 37.610 N	103° 25' 14.002 W
11,900.0	90.00	179.98	9,738.0	-1,872.4	335.7	11,738,034.81	2,128,156.50	32° 19' 36.620 N	103° 25' 14.002 W

Company:	NEW MEXICO	**Local Co-ordinate Reference:**	Well DUCK HUNT 1 STATE COM 302H
Project:	LEA	**TVD Reference:**	RKB=3366+25 @ 3391.0usft
Site:	DUCK HUNT	**MD Reference:**	RKB=3366+25 @ 3391.0usft
Well:	DUCK HUNT 1 STATE COM 302H	**North Reference:**	True
Wellbore:	DUCK HUNT 1 STATE COM 302H	**Survey Calculation Method:**	Minimum Curvature
Design:	PWP1	**Database:**	Centennial EDM SQL Server

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
12,000.0	90.00	179.98	9,738.0	-1,972.4	335.8	11,737,934.82	2,128,158.02	32° 19' 35.631 N	103° 25' 14.002 W
12,100.0	90.00	179.98	9,738.0	-2,072.4	335.8	11,737,834.83	2,128,159.53	32° 19' 34.641 N	103° 25' 14.001 W
12,200.0	90.00	179.98	9,738.0	-2,172.4	335.8	11,737,734.84	2,128,161.05	32° 19' 33.651 N	103° 25' 14.001 W
12,300.0	90.00	179.98	9,738.0	-2,272.4	335.9	11,737,634.85	2,128,162.56	32° 19' 32.662 N	103° 25' 14.000 W
12,400.0	90.00	179.98	9,738.0	-2,372.4	335.9	11,737,534.87	2,128,164.08	32° 19' 31.672 N	103° 25' 14.000 W
12,500.0	90.00	179.98	9,738.0	-2,472.4	336.0	11,737,434.88	2,128,165.59	32° 19' 30.682 N	103° 25' 13.999 W
12,600.0	90.00	179.98	9,738.0	-2,572.4	336.0	11,737,334.89	2,128,167.10	32° 19' 29.693 N	103° 25' 13.999 W
12,700.0	90.00	179.98	9,738.0	-2,672.4	336.0	11,737,234.90	2,128,168.62	32° 19' 28.703 N	103° 25' 13.998 W
12,800.0	90.00	179.98	9,738.0	-2,772.4	336.1	11,737,134.91	2,128,170.13	32° 19' 27.714 N	103° 25' 13.998 W
12,900.0	90.00	179.98	9,738.0	-2,872.4	336.1	11,737,034.92	2,128,171.65	32° 19' 26.724 N	103° 25' 13.997 W
13,000.0	90.00	179.98	9,738.0	-2,972.4	336.2	11,736,934.93	2,128,173.16	32° 19' 25.734 N	103° 25' 13.997 W
13,100.0	90.00	179.98	9,738.0	-3,072.4	336.2	11,736,834.95	2,128,174.68	32° 19' 24.745 N	103° 25' 13.996 W
13,200.0	90.00	179.98	9,738.0	-3,172.4	336.2	11,736,734.96	2,128,176.19	32° 19' 23.755 N	103° 25' 13.996 W
13,300.0	90.00	179.98	9,738.0	-3,272.4	336.3	11,736,634.97	2,128,177.70	32° 19' 22.765 N	103° 25' 13.995 W
13,400.0	90.00	179.98	9,738.0	-3,372.4	336.3	11,736,534.98	2,128,179.22	32° 19' 21.776 N	103° 25' 13.995 W
13,500.0	90.00	179.98	9,738.0	-3,472.4	336.4	11,736,434.99	2,128,180.73	32° 19' 20.786 N	103° 25' 13.995 W
13,600.0	90.00	179.98	9,738.0	-3,572.4	336.4	11,736,335.00	2,128,182.25	32° 19' 19.797 N	103° 25' 13.994 W
13,700.0	90.00	179.98	9,738.0	-3,672.4	336.4	11,736,235.01	2,128,183.76	32° 19' 18.807 N	103° 25' 13.994 W
13,800.0	90.00	179.98	9,738.0	-3,772.4	336.5	11,736,135.03	2,128,185.28	32° 19' 17.817 N	103° 25' 13.993 W
13,900.0	90.00	179.98	9,738.0	-3,872.4	336.5	11,736,035.04	2,128,186.79	32° 19' 16.828 N	103° 25' 13.993 W
14,000.0	90.00	179.98	9,738.0	-3,972.4	336.6	11,735,935.05	2,128,188.30	32° 19' 15.838 N	103° 25' 13.992 W
14,100.0	90.00	179.98	9,738.0	-4,072.4	336.6	11,735,835.06	2,128,189.82	32° 19' 14.848 N	103° 25' 13.992 W
14,200.0	90.00	179.98	9,738.0	-4,172.4	336.6	11,735,735.07	2,128,191.33	32° 19' 13.859 N	103° 25' 13.991 W
14,300.0	90.00	179.98	9,738.0	-4,272.4	336.7	11,735,635.08	2,128,192.85	32° 19' 12.869 N	103° 25' 13.991 W
14,400.0	90.00	179.98	9,738.0	-4,372.4	336.7	11,735,535.09	2,128,194.36	32° 19' 11.880 N	103° 25' 13.990 W
14,500.0	90.00	179.98	9,738.0	-4,472.4	336.8	11,735,435.11	2,128,195.88	32° 19' 10.890 N	103° 25' 13.990 W
14,600.0	90.00	179.98	9,738.0	-4,572.4	336.8	11,735,335.12	2,128,197.39	32° 19' 9.900 N	103° 25' 13.989 W
14,700.0	90.00	179.98	9,738.0	-4,672.4	336.8	11,735,235.13	2,128,198.90	32° 19' 8.911 N	103° 25' 13.989 W
14,800.0	90.00	179.98	9,738.0	-4,772.4	336.9	11,735,135.14	2,128,200.42	32° 19' 7.921 N	103° 25' 13.988 W
14,900.0	90.00	179.98	9,738.0	-4,872.4	336.9	11,735,035.15	2,128,201.93	32° 19' 6.931 N	103° 25' 13.988 W
15,000.0	90.00	179.98	9,738.0	-4,972.4	337.0	11,734,935.16	2,128,203.45	32° 19' 5.942 N	103° 25' 13.987 W
15,100.0	90.00	179.98	9,738.0	-5,072.4	337.0	11,734,835.18	2,128,204.96	32° 19' 4.952 N	103° 25' 13.987 W
15,200.0	90.00	179.98	9,738.0	-5,172.4	337.1	11,734,735.19	2,128,206.48	32° 19' 3.963 N	103° 25' 13.987 W
15,300.0	90.00	179.98	9,738.0	-5,272.4	337.1	11,734,635.20	2,128,207.99	32° 19' 2.973 N	103° 25' 13.986 W
15,400.0	90.00	179.98	9,738.0	-5,372.4	337.1	11,734,535.21	2,128,209.50	32° 19' 1.983 N	103° 25' 13.986 W
15,500.0	90.00	179.98	9,738.0	-5,472.4	337.2	11,734,435.22	2,128,211.02	32° 19' 0.994 N	103° 25' 13.985 W
15,600.0	90.00	179.98	9,738.0	-5,572.4	337.2	11,734,335.23	2,128,212.53	32° 19' 0.004 N	103° 25' 13.985 W
15,700.0	90.00	179.98	9,738.0	-5,672.4	337.3	11,734,235.24	2,128,214.05	32° 18' 59.014 N	103° 25' 13.984 W
15,800.0	90.00	179.98	9,738.0	-5,772.4	337.3	11,734,135.26	2,128,215.56	32° 18' 58.025 N	103° 25' 13.984 W
15,900.0	90.00	179.98	9,738.0	-5,872.4	337.3	11,734,035.27	2,128,217.08	32° 18' 57.035 N	103° 25' 13.983 W
16,000.0	90.00	179.98	9,738.0	-5,972.4	337.4	11,733,935.28	2,128,218.59	32° 18' 56.045 N	103° 25' 13.983 W
16,100.0	90.00	179.98	9,738.0	-6,072.4	337.4	11,733,835.29	2,128,220.10	32° 18' 55.056 N	103° 25' 13.982 W
16,200.0	90.00	179.98	9,738.0	-6,172.4	337.5	11,733,735.30	2,128,221.62	32° 18' 54.066 N	103° 25' 13.982 W
16,300.0	90.00	179.98	9,738.0	-6,272.4	337.5	11,733,635.31	2,128,223.13	32° 18' 53.077 N	103° 25' 13.981 W
16,400.0	90.00	179.98	9,738.0	-6,372.4	337.5	11,733,535.32	2,128,224.65	32° 18' 52.087 N	103° 25' 13.981 W
16,500.0	90.00	179.98	9,738.0	-6,472.4	337.6	11,733,435.34	2,128,226.16	32° 18' 51.097 N	103° 25' 13.980 W
16,600.0	90.00	179.98	9,738.0	-6,572.4	337.6	11,733,335.35	2,128,227.68	32° 18' 50.108 N	103° 25' 13.980 W
16,700.0	90.00	179.98	9,738.0	-6,672.4	337.7	11,733,235.36	2,128,229.19	32° 18' 49.118 N	103° 25' 13.979 W
16,800.0	90.00	179.98	9,738.0	-6,772.4	337.7	11,733,135.37	2,128,230.70	32° 18' 48.128 N	103° 25' 13.979 W
16,900.0	90.00	179.98	9,738.0	-6,872.4	337.7	11,733,035.38	2,128,232.22	32° 18' 47.139 N	103° 25' 13.979 W
17,000.0	90.00	179.98	9,738.0	-6,972.4	337.8	11,732,935.39	2,128,233.73	32° 18' 46.149 N	103° 25' 13.978 W
17,100.0	90.00	179.98	9,738.0	-7,072.4	337.8	11,732,835.40	2,128,235.25	32° 18' 45.160 N	103° 25' 13.978 W
17,200.0	90.00	179.98	9,738.0	-7,172.4	337.9	11,732,735.42	2,128,236.76	32° 18' 44.170 N	103° 25' 13.977 W
17,245.9	90.00	179.98	9,738.0	-7,218.3	337.9	11,732,689.47	2,128,237.46	32° 18' 43.715 N	103° 25' 13.977 W

Company:	NEW MEXICO	**Local Co-ordinate Reference:**	Well DUCK HUNT 1 STATE COM 302H
Project:	LEA	**TVD Reference:**	RKB=3366+25 @ 3391.0usft
Site:	DUCK HUNT	**MD Reference:**	RKB=3366+25 @ 3391.0usft
Well:	DUCK HUNT 1 STATE COM 302H	**North Reference:**	True
Wellbore:	DUCK HUNT 1 STATE COM 302H	**Survey Calculation Method:**	Minimum Curvature
Design:	PWP1	**Database:**	Centennial EDM SQL Server

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 - DUCK HUNT 302I - plan misses target center by 240.8usft at 9652.7usft MD (9569.0 TVD, 329.6 N, 334.8 E) - Circle (radius 50.0)	0.00	0.84	9,738.0	501.1	334.4	11,740,408.05	2,128,120.26	32° 20' 0.109 N	103° 25' 14.017 W
LTP/BHL - DUCK HUNT - plan hits target center - Point	0.00	0.84	9,738.0	-7,218.3	337.9	11,732,689.47	2,128,237.46	32° 18' 43.715 N	103° 25' 13.977 W

Casing Points

Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")
1,850.0	1,850.0	13 3/8"	13-3/8	17-1/2
5,428.2	5,400.0	9 5/8"	9-5/8	12-1/4
17,245.8	9,738.0	5 1/2"	5-1/2	8-1/2

Checked By: _____ Approved By: _____ Date: _____

Intent [X] As Drilled [ ]

API #

Operator Name:	Property Name:	Well Number
Centennial Resource Production, LLC	Duck Hunt 1 State Com	302H

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
J	1	23S	34E	J	2039	S	1985	E	Lea

Latitude	Longitude	NAD
32.331986	-103.421643	83

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
J	1	23S	34E	J	2540	S	1650	E	Lea

Latitude	Longitude	NAD
32.333364	-103.420560	83

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
O	12	23S	34E	O	100	S	1649	E	Lea

Latitude	Longitude	NAD
32.312143	-103.420549	83

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

Is this well an infill well? No

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