District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
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 332669

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

1. Operator Name and Address	2. OGRID Number
PRIDE ENERGY COMPANY P.O. Box 701950 Tulsa, OK 741701950	151323
	3. API Number 30-025-51008

4. Property Code	5. Property Name	6. Well No.
333749	GRAMA RIDGE STATE COM	092H

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
C	2	21S	34E	3	280	N	1330	W	Lea

8. Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
F	2	21S	34E	14	2740	S	1780	W	Lea

9. Pool Information

GRAMA RIDGE;BONE SPRING, NORTH	28434

Additional Well Information

11. Work Type	12. Well Type	13. Cable/Rotary	14. Lease Type	15. Ground Level Elevation
New Well	OIL		State	3704
16. Multiple	**17. Proposed Depth**	**18. Formation**	**19. Contractor**	**20. Spud Date**
N	13964	Bone Spring		4/1/2023
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

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

21. Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17.5	13.375	54.5	1925	1250	0
Int1	12.25	9.625	40	5750	1520	0
Prod	8.75	5.5	20	13964	1950	5350

Casing/Cement Program: Additional Comments

Drill 17-1/2" hole to approximately 1,925' with freshwater spud mud. Run 13-3/8", 54.5# casing to TD and cement to surface. Drill 12-1/4" hole to approximately 5,750' with saturated brine water. Run 9-5/8", 40# casing to TD and cement to surface. Drill 8-3/4" hole to total depth at 13,964' with cut brine. Run 5-1/2", 20# casing to TD. Cement and bring top of cement to approximately 5,350'.

22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Double Ram	5000	4500	

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 John Pride	Approved By:	Paul F Kautz
Title:	President	Title:	Geologist
Email Address:	johnp@pride-energy.com	Approved Date:	2/1/2023 Expiration Date: 2/1/2025
Date:	1/20/2023 Phone: 918-524-9200	Conditions of Approval Attached	

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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) 476-3460 Fax (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate District Office

☐AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
30-025-51008	28434	Grama Ridge; Bone Spring, North

Property Code	Property Name	Well Number
333749	GRAMA RIDGE STATE COM	92H

OGRID No.	Operator Name	Elevation
151323	PRIDE ENERGY COMPANY	3704'

Surface Location

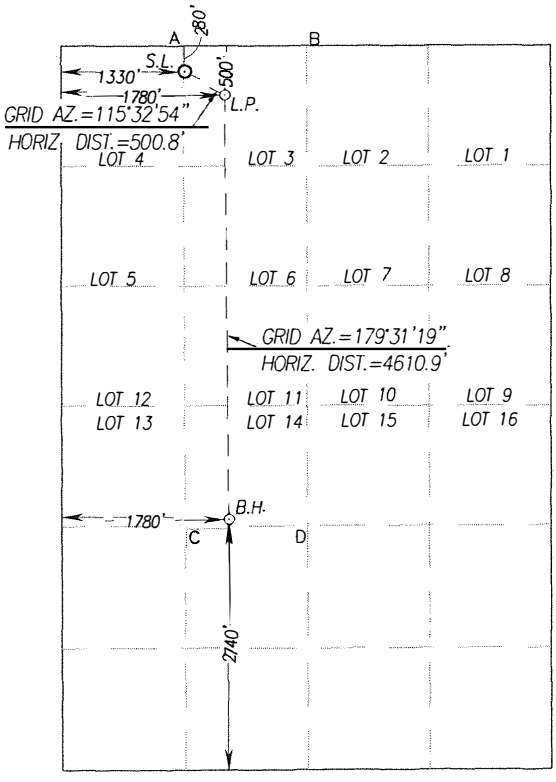
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
3	2	21-S	34-E		280	NORTH	1330	WEST	LEA

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
14	2	21-S	34-E		2740	SOUTH	1780	WEST	LEA

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.

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



SCALE: 1"=2000'

GEODETIC COORDINATES NAD 83 NME SURFACE LOCATION	GEODETIC COORDINATES NAD 27 NME SURFACE LOCATION
Y= 554623.4 N	Y= 554561.4 N
X= 815175.1 E	X= 773992.9 E
LAT.=32.521581° N	LAT.=32.521457° N
LONG.=103.444901° W	LONG.=103.444418° W

LANDING POINT NAD 83 NME	LANDING POINT NAD 27 NME
Y= 554407.5 N	Y= 554345.5 N
X= 815626.8 E	X= 774444.6 E
LAT.=32.520978° N	LAT.=32.520854° N
LONG.=103.443442° W	LONG.=103.442958° W

CORNER COORDINATES TABLE
NAD 27 NME

A	Y= 554840.9 N,	X= 773981.5 E
B	Y= 554852.9 N,	X= 775302.1 E
C	Y= 549630.0 N,	X= 774025.1 E
D	Y= 549644.5 N,	X= 775345.6 E

CORNER COORDINATES TABLE
NAD 83 NME

A	Y= 554902.9 N,	X= 815163.7 E
B	Y= 554914.9 N,	X= 816484.3 E
C	Y= 549691.9 N,	X= 815207.4 E
D	Y= 549706.4 N,	X= 816528.0 E

BOTTOM HOLE LOCATION NAD 83 NME	BOTTOM HOLE LOCATION NAD 27 NME
Y= 549797.6 N	Y= 549735.7 N
X= 815665.3 E	X= 774483.0 E
LAT.=32.508306° N	LAT.=32.508182° N
LONG.=103.443442° W	LONG.=103.442959° W

OPERATOR CERTIFICATION

I hereby certify that the information 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 mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division

John Pride 1/17/23
Signature Date

John Pride
Printed Name

johnp@pride-energy.com
E-mail Address

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.

DECEMBER 30, 2022
Date of Survey

Signature & Seal of Professional Surveyor

GARY G. EIDSON
NEW MEXICO
12641
REGISTERED PROFESSIONAL SURVEYOR

Gary G Eidson 01/12/2023
Certificate Number Gary G. Eidson 12641
Ronald J. Eidson 3239

ACK REV: 1/11/2023 JWSC W.O.: 22.11.0452

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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 Conditions

Permit 332669

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address:	API Number:
PRIDE ENERGY COMPANY [151323] P.O. Box 701950 Tulsa, OK 741701950	30-025-51008
	Well: GRAMA RIDGE STATE COM #092H

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

PRIDE ENERGY COMPANY

Pride Energy Company

Lea County, NM (NAD 83 NME)
(Grama Ridge State) Sec-2_T-21-S_R-34-E
Grama Ridge State Com #92H

OWB

Plan: Plan #1

Standard Planning Report

16 January, 2023

PRIDE ENERGY COMPANY

Intrepid
Planning Report

Database:	EDM 5000.15 Single User Db	**Local Co-ordinate Reference:**	Well Grama Ridge State Com #92H
Company:	Pride Energy Company	**TVD Reference:**	KB @ 3729.0usft
Project:	Lea County, NM (NAD 83 NME)	**MD Reference:**	KB @ 3729.0usft
Site:	(Grama Ridge State) Sec-2_T-21-S_R-34-E	**North Reference:**	Grid
Well:	Grama Ridge State Com #92H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OWB		
Design:	Plan #1		

Project Lea County, NM (NAD 83 NME)

Map System:	US State Plane 1983	**System Datum:**	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site (Grama Ridge State) Sec-2_T-21-S_R-34-E

Site Position:		**Northing:**	554,623.10 usft	**Latitude:**	32° 31' 17.693 N
From:	Map	**Easting:**	815,135.10 usft	**Longitude:**	103° 26' 42.111 W
Position Uncertainty:	0.0 usft	**Slot Radius:**	13-3/16 "	**Grid Convergence:**	0.48 °

Well Grama Ridge State Com #92H

Well Position	**+N/-S**	0.3 usft	**Northing:**	554,623.40 usft	**Latitude:**	32° 31' 17.692 N
	+E/-W	40.0 usft	**Easting:**	815,175.10 usft	**Longitude:**	103° 26' 41.644 W
Position Uncertainty		0.0 usft	**Wellhead Elevation:**		**Ground Level:**	3,704.0 usft

Wellbore OWB

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	01/15/23	6.29	60.31	47,732.66149681

Design Plan #1

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	179.52

Plan Survey Tool Program **Date** 01/16/23

	Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	13,963.9	Plan #1 (OWB)	MWD	
				OWSG MWD - Standard	

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	
3,500.0	0.00	0.00	3,500.0	0.0	0.0	0.00	0.00	0.00	0.00	
3,833.9	6.68	59.50	3,833.2	9.9	16.8	2.00	2.00	0.00	59.50	
7,967.1	6.68	59.50	7,938.3	253.8	430.9	0.00	0.00	0.00	0.00	
8,301.1	0.00	0.00	8,271.5	263.7	447.7	2.00	-2.00	0.00	180.00	
8,551.1	0.00	0.00	8,521.5	263.7	447.7	0.00	0.00	0.00	0.00	
9,301.1	90.00	179.52	8,999.0	-213.8	451.7	12.00	12.00	23.94	179.52	
13,963.9	90.00	179.52	8,999.0	-4,876.5	490.6	0.00	0.00	0.00	0.00	PBHL (Grama Ridge

PRIDE ENERGY COMPANY

Intrepid
Planning Report

Database:	EDM 5000.15 Single User Db	**Local Co-ordinate Reference:**	Well Grama Ridge State Com #92H
Company:	Pride Energy Company	**TVD Reference:**	KB @ 3729.0usft
Project:	Lea County, NM (NAD 83 NME)	**MD Reference:**	KB @ 3729.0usft
Site:	(Grama Ridge State) Sec-2_T-21-S_R-34-E	**North Reference:**	Grid
Well:	Grama Ridge State Com #92H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OWB		
Design:	Plan #1		

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
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	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	0.00
2,600.0	0.00	0.00	2,600.0	0.0	0.0	0.0	0.00	0.00	0.00
2,700.0	0.00	0.00	2,700.0	0.0	0.0	0.0	0.00	0.00	0.00
2,800.0	0.00	0.00	2,800.0	0.0	0.0	0.0	0.00	0.00	0.00
2,900.0	0.00	0.00	2,900.0	0.0	0.0	0.0	0.00	0.00	0.00
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.0	0.00	0.00	0.00
3,100.0	0.00	0.00	3,100.0	0.0	0.0	0.0	0.00	0.00	0.00
3,200.0	0.00	0.00	3,200.0	0.0	0.0	0.0	0.00	0.00	0.00
3,300.0	0.00	0.00	3,300.0	0.0	0.0	0.0	0.00	0.00	0.00
3,400.0	0.00	0.00	3,400.0	0.0	0.0	0.0	0.00	0.00	0.00
3,500.0	0.00	0.00	3,500.0	0.0	0.0	0.0	0.00	0.00	0.00
NUDGE - Build 2.00									
3,600.0	2.00	59.50	3,600.0	0.9	1.5	-0.9	2.00	2.00	0.00
3,700.0	4.00	59.50	3,699.8	3.5	6.0	-3.5	2.00	2.00	0.00
3,800.0	6.00	59.50	3,799.5	8.0	13.5	-7.9	2.00	2.00	0.00
3,833.9	6.68	59.50	3,833.2	9.9	16.8	-9.7	2.00	2.00	0.00
HOLD - 4133.2 at 3833.9 MD									
3,900.0	6.68	59.50	3,898.8	13.8	23.4	-13.6	0.00	0.00	0.00
4,000.0	6.68	59.50	3,998.1	19.7	33.4	-19.4	0.00	0.00	0.00
4,100.0	6.68	59.50	4,097.4	25.6	43.4	-25.2	0.00	0.00	0.00
4,200.0	6.68	59.50	4,196.8	31.5	53.4	-31.0	0.00	0.00	0.00
4,300.0	6.68	59.50	4,296.1	37.4	63.5	-36.8	0.00	0.00	0.00
4,400.0	6.68	59.50	4,395.4	43.3	73.5	-42.7	0.00	0.00	0.00
4,500.0	6.68	59.50	4,494.7	49.2	83.5	-48.5	0.00	0.00	0.00
4,600.0	6.68	59.50	4,594.0	55.1	93.5	-54.3	0.00	0.00	0.00
4,700.0	6.68	59.50	4,693.4	61.0	103.5	-60.1	0.00	0.00	0.00
4,800.0	6.68	59.50	4,792.7	66.9	113.6	-65.9	0.00	0.00	0.00
4,900.0	6.68	59.50	4,892.0	72.8	123.6	-71.7	0.00	0.00	0.00

PRIDE ENERGY COMPANY

Intrepid
Planning Report

INTREPID

Database:	EDM 5000.15 Single User Db	**Local Co-ordinate Reference:**	Well Grama Ridge State Com #92H
Company:	Pride Energy Company	**TVD Reference:**	KB @ 3729.0usft
Project:	Lea County, NM (NAD 83 NME)	**MD Reference:**	KB @ 3729.0usft
Site:	(Grama Ridge State) Sec-2_T-21-S_R-34-E	**North Reference:**	Grid
Well:	Grama Ridge State Com #92H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OWB		
Design:	Plan #1		

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)
5,000.0	6.68	59.50	4,991.3	78.7	133.6	-77.6	0.00	0.00	0.00
5,100.0	6.68	59.50	5,090.7	84.6	143.6	-83.4	0.00	0.00	0.00
5,200.0	6.68	59.50	5,190.0	90.5	153.6	-89.2	0.00	0.00	0.00
5,300.0	6.68	59.50	5,289.3	96.4	163.7	-95.0	0.00	0.00	0.00
5,400.0	6.68	59.50	5,388.6	102.3	173.7	-100.8	0.00	0.00	0.00
5,500.0	6.68	59.50	5,487.9	108.2	183.7	-106.7	0.00	0.00	0.00
5,600.0	6.68	59.50	5,587.3	114.1	193.7	-112.5	0.00	0.00	0.00
5,700.0	6.68	59.50	5,686.6	120.0	203.8	-118.3	0.00	0.00	0.00
5,800.0	6.68	59.50	5,785.9	125.9	213.8	-124.1	0.00	0.00	0.00
5,900.0	6.68	59.50	5,885.2	131.8	223.8	-129.9	0.00	0.00	0.00
6,000.0	6.68	59.50	5,984.5	137.7	233.8	-135.7	0.00	0.00	0.00
6,100.0	6.68	59.50	6,083.9	143.6	243.8	-141.6	0.00	0.00	0.00
6,200.0	6.68	59.50	6,183.2	149.5	253.9	-147.4	0.00	0.00	0.00
6,300.0	6.68	59.50	6,282.5	155.4	263.9	-153.2	0.00	0.00	0.00
6,400.0	6.68	59.50	6,381.8	161.3	273.9	-159.0	0.00	0.00	0.00
6,500.0	6.68	59.50	6,481.2	167.2	283.9	-164.8	0.00	0.00	0.00
6,600.0	6.68	59.50	6,580.5	173.1	293.9	-170.6	0.00	0.00	0.00
6,700.0	6.68	59.50	6,679.8	179.0	304.0	-176.5	0.00	0.00	0.00
6,800.0	6.68	59.50	6,779.1	184.9	314.0	-182.3	0.00	0.00	0.00
6,900.0	6.68	59.50	6,878.4	190.8	324.0	-188.1	0.00	0.00	0.00
7,000.0	6.68	59.50	6,977.8	196.7	334.0	-193.9	0.00	0.00	0.00
7,100.0	6.68	59.50	7,077.1	202.6	344.1	-199.7	0.00	0.00	0.00
7,200.0	6.68	59.50	7,176.4	208.5	354.1	-205.6	0.00	0.00	0.00
7,300.0	6.68	59.50	7,275.7	214.4	364.1	-211.4	0.00	0.00	0.00
7,400.0	6.68	59.50	7,375.0	220.3	374.1	-217.2	0.00	0.00	0.00
7,500.0	6.68	59.50	7,474.4	226.2	384.1	-223.0	0.00	0.00	0.00
7,600.0	6.68	59.50	7,573.7	232.1	394.2	-228.8	0.00	0.00	0.00
7,700.0	6.68	59.50	7,673.0	238.0	404.2	-234.6	0.00	0.00	0.00
7,800.0	6.68	59.50	7,772.3	243.9	414.2	-240.5	0.00	0.00	0.00
7,900.0	6.68	59.50	7,871.7	249.8	424.2	-246.3	0.00	0.00	0.00
7,967.1	6.68	59.50	7,938.3	253.8	430.9	-250.2	0.00	0.00	0.00
DROP - -2.00									
8,000.0	6.02	59.50	7,971.0	255.7	434.1	-252.0	2.00	-2.00	0.00
8,100.0	4.02	59.50	8,070.6	260.1	441.6	-256.4	2.00	-2.00	0.00
8,200.0	2.02	59.50	8,170.5	262.8	446.2	-259.0	2.00	-2.00	0.00
8,301.1	0.00	0.00	8,271.5	263.7	447.7	-259.9	2.00	-2.00	0.00
HOLD - 250.0 at 8301.1 MD									
8,400.0	0.00	0.00	8,370.4	263.7	447.7	-259.9	0.00	0.00	0.00
8,500.0	0.00	0.00	8,470.4	263.7	447.7	-259.9	0.00	0.00	0.00
8,551.1	0.00	0.00	8,521.5	263.7	447.7	-259.9	0.00	0.00	0.00
KOP - DLS 12.00 TFO 179.52									
8,575.0	2.87	179.52	8,545.4	263.1	447.7	-259.3	12.00	12.00	0.00
8,600.0	5.87	179.52	8,570.4	261.2	447.7	-257.4	12.00	12.00	0.00
8,625.0	8.87	179.52	8,595.1	258.0	447.7	-254.2	12.00	12.00	0.00
8,650.0	11.87	179.52	8,619.7	253.5	447.8	-249.7	12.00	12.00	0.00
8,675.0	14.87	179.52	8,644.1	247.7	447.8	-243.9	12.00	12.00	0.00
8,700.0	17.87	179.52	8,668.0	240.6	447.9	-236.9	12.00	12.00	0.00
8,725.0	20.87	179.52	8,691.6	232.3	448.0	-228.6	12.00	12.00	0.00
8,750.0	23.87	179.52	8,714.7	222.8	448.0	-219.1	12.00	12.00	0.00
8,775.0	26.87	179.52	8,737.3	212.1	448.1	-208.4	12.00	12.00	0.00
8,800.0	29.87	179.52	8,759.3	200.2	448.2	-196.5	12.00	12.00	0.00
8,825.0	32.87	179.52	8,780.7	187.2	448.3	-183.5	12.00	12.00	0.00
8,850.0	35.87	179.52	8,801.3	173.1	448.5	-169.3	12.00	12.00	0.00

PRIDE ENERGY COMPANY

Intrepid
Planning Report

Database:	EDM 5000.15 Single User Db	**Local Co-ordinate Reference:**	Well Grama Ridge State Com #92H
Company:	Pride Energy Company	**TVD Reference:**	KB @ 3729.0usft
Project:	Lea County, NM (NAD 83 NME)	**MD Reference:**	KB @ 3729.0usft
Site:	(Grama Ridge State) Sec-2_T-21-S_R-34-E	**North Reference:**	Grid
Well:	Grama Ridge State Com #92H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OWB		
Design:	Plan #1		

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)
8,875.0	38.87	179.52	8,821.2	157.9	448.6	-154.2	12.00	12.00	0.00
8,900.0	41.87	179.52	8,840.2	141.7	448.7	-138.0	12.00	12.00	0.00
8,925.0	44.87	179.52	8,858.4	124.6	448.9	-120.8	12.00	12.00	0.00
8,950.0	47.87	179.52	8,875.6	106.5	449.0	-102.7	12.00	12.00	0.00
8,975.0	50.87	179.52	8,891.9	87.5	449.2	-83.7	12.00	12.00	0.00
9,000.0	53.87	179.52	8,907.2	67.7	449.3	-63.9	12.00	12.00	0.00
9,025.0	56.87	179.52	8,921.4	47.1	449.5	-43.4	12.00	12.00	0.00
9,050.0	59.87	179.52	8,934.5	25.9	449.7	-22.1	12.00	12.00	0.00
9,075.0	62.87	179.52	8,946.4	3.9	449.9	-0.2	12.00	12.00	0.00
9,100.0	65.87	179.52	8,957.3	-18.6	450.1	22.4	12.00	12.00	0.00
9,125.0	68.87	179.52	8,966.9	-41.7	450.2	45.5	12.00	12.00	0.00
9,150.0	71.87	179.52	8,975.3	-65.2	450.4	69.0	12.00	12.00	0.00
9,175.0	74.87	179.52	8,982.4	-89.2	450.6	93.0	12.00	12.00	0.00
9,200.0	77.87	179.52	8,988.3	-113.5	450.8	117.2	12.00	12.00	0.00
9,225.0	80.87	179.52	8,992.9	-138.0	451.1	141.8	12.00	12.00	0.00
9,250.0	83.87	179.52	8,996.2	-162.8	451.3	166.6	12.00	12.00	0.00
9,275.0	86.87	179.52	8,998.3	-187.7	451.5	191.5	12.00	12.00	0.00
9,301.1	90.00	179.52	8,999.0	-213.8	451.7	217.6	12.00	12.00	0.00
EOC - 4662.9 hold at 9301.1 MD									
9,400.0	90.00	179.52	8,999.0	-312.7	452.5	316.5	0.00	0.00	0.00
9,500.0	90.00	179.52	8,999.0	-412.7	453.3	416.5	0.00	0.00	0.00
9,600.0	90.00	179.52	8,999.0	-512.7	454.2	516.5	0.00	0.00	0.00
9,700.0	90.00	179.52	8,999.0	-612.7	455.0	616.5	0.00	0.00	0.00
9,800.0	90.00	179.52	8,999.0	-712.7	455.9	716.5	0.00	0.00	0.00
9,900.0	90.00	179.52	8,999.0	-812.7	456.7	816.5	0.00	0.00	0.00
10,000.0	90.00	179.52	8,999.0	-912.7	457.5	916.5	0.00	0.00	0.00
10,100.0	90.00	179.52	8,999.0	-1,012.7	458.4	1,016.5	0.00	0.00	0.00
10,200.0	90.00	179.52	8,999.0	-1,112.7	459.2	1,116.5	0.00	0.00	0.00
10,300.0	90.00	179.52	8,999.0	-1,212.7	460.0	1,216.5	0.00	0.00	0.00
10,400.0	90.00	179.52	8,999.0	-1,312.7	460.9	1,316.5	0.00	0.00	0.00
10,500.0	90.00	179.52	8,999.0	-1,412.7	461.7	1,416.5	0.00	0.00	0.00
10,600.0	90.00	179.52	8,999.0	-1,512.7	462.5	1,516.5	0.00	0.00	0.00
10,700.0	90.00	179.52	8,999.0	-1,612.7	463.4	1,616.5	0.00	0.00	0.00
10,800.0	90.00	179.52	8,999.0	-1,712.7	464.2	1,716.5	0.00	0.00	0.00
10,900.0	90.00	179.52	8,999.0	-1,812.7	465.0	1,816.5	0.00	0.00	0.00
11,000.0	90.00	179.52	8,999.0	-1,912.7	465.9	1,916.5	0.00	0.00	0.00
11,100.0	90.00	179.52	8,999.0	-2,012.7	466.7	2,016.5	0.00	0.00	0.00
11,200.0	90.00	179.52	8,999.0	-2,112.7	467.5	2,116.5	0.00	0.00	0.00
11,300.0	90.00	179.52	8,999.0	-2,212.6	468.4	2,216.5	0.00	0.00	0.00
11,400.0	90.00	179.52	8,999.0	-2,312.6	469.2	2,316.5	0.00	0.00	0.00
11,500.0	90.00	179.52	8,999.0	-2,412.6	470.0	2,416.5	0.00	0.00	0.00
11,600.0	90.00	179.52	8,999.0	-2,512.6	470.9	2,516.5	0.00	0.00	0.00
11,700.0	90.00	179.52	8,999.0	-2,612.6	471.7	2,616.5	0.00	0.00	0.00
11,800.0	90.00	179.52	8,999.0	-2,712.6	472.6	2,716.5	0.00	0.00	0.00
11,900.0	90.00	179.52	8,999.0	-2,812.6	473.4	2,816.5	0.00	0.00	0.00
12,000.0	90.00	179.52	8,999.0	-2,912.6	474.2	2,916.5	0.00	0.00	0.00
12,100.0	90.00	179.52	8,999.0	-3,012.6	475.1	3,016.5	0.00	0.00	0.00
12,200.0	90.00	179.52	8,999.0	-3,112.6	475.9	3,116.5	0.00	0.00	0.00
12,300.0	90.00	179.52	8,999.0	-3,212.6	476.7	3,216.5	0.00	0.00	0.00
12,400.0	90.00	179.52	8,999.0	-3,312.6	477.6	3,316.5	0.00	0.00	0.00
12,500.0	90.00	179.52	8,999.0	-3,412.6	478.4	3,416.5	0.00	0.00	0.00
12,600.0	90.00	179.52	8,999.0	-3,512.6	479.2	3,516.5	0.00	0.00	0.00
12,700.0	90.00	179.52	8,999.0	-3,612.6	480.1	3,616.5	0.00	0.00	0.00
12,800.0	90.00	179.52	8,999.0	-3,712.6	480.9	3,716.5	0.00	0.00	0.00

PRIDE ENERGY COMPANY

Intrepid
Planning Report

INTREPID

Database:	EDM 5000.15 Single User Db	**Local Co-ordinate Reference:**	Well Grama Ridge State Com #92H
Company:	Pride Energy Company	**TVD Reference:**	KB @ 3729.0usft
Project:	Lea County, NM (NAD 83 NME)	**MD Reference:**	KB @ 3729.0usft
Site:	(Grama Ridge State) Sec-2_T-21-S_R-34-E	**North Reference:**	Grid
Well:	Grama Ridge State Com #92H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OWB		
Design:	Plan #1		

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)
12,900.0	90.00	179.52	8,999.0	-3,812.6	481.7	3,816.5	0.00	0.00	0.00
13,000.0	90.00	179.52	8,999.0	-3,912.6	482.6	3,916.5	0.00	0.00	0.00
13,100.0	90.00	179.52	8,999.0	-4,012.6	483.4	4,016.5	0.00	0.00	0.00
13,200.0	90.00	179.52	8,999.0	-4,112.6	484.2	4,116.5	0.00	0.00	0.00
13,300.0	90.00	179.52	8,999.0	-4,212.6	485.1	4,216.5	0.00	0.00	0.00
13,400.0	90.00	179.52	8,999.0	-4,312.6	485.9	4,316.5	0.00	0.00	0.00
13,500.0	90.00	179.52	8,999.0	-4,412.6	486.7	4,416.5	0.00	0.00	0.00
13,600.0	90.00	179.52	8,999.0	-4,512.6	487.6	4,516.5	0.00	0.00	0.00
13,700.0	90.00	179.52	8,999.0	-4,612.6	488.4	4,616.5	0.00	0.00	0.00
13,800.0	90.00	179.52	8,999.0	-4,712.6	489.3	4,716.5	0.00	0.00	0.00
13,900.0	90.00	179.52	8,999.0	-4,812.6	490.1	4,816.5	0.00	0.00	0.00
13,963.9	90.00	179.52	8,999.0	-4,876.5	490.6	4,880.4	0.00	0.00	0.00
TD at 13963.9									

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
LP (Grama Ridge Stat - plan hits target center - Point	0.00	0.00	8,999.0	-215.9	451.7	554,407.50	815,626.80	32° 31' 15.519 N	103° 26' 36.390 W
PBHL (Grama Ridge S - plan hits target center - Rectangle (sides W100.0 H4,665.0 D30.0)	0.00	179.52	8,999.0	-4,876.5	490.6	549,746.94	815,665.72	32° 30' 29.402 N	103° 26' 36.390 W

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Comment
0.0	0.0	0.0	0.0	
3,500.0	3,500.0	0.0	0.0	NUDGE - Build 2.00
3,833.9	3,833.2	9.9	16.8	HOLD - 4133.2 at 3833.9 MD
7,967.1	7,938.3	253.8	430.9	DROP - -2.00
8,301.1	8,271.5	263.7	447.7	HOLD - 250.0 at 8301.1 MD
8,551.1	8,521.5	263.7	447.7	KOP - DLS 12.00 TFO 179.52
9,301.1	8,999.0	-213.8	451.7	EOC - 4662.9 hold at 9301.1 MD
13,963.9	8,999.0	-4,876.5	490.6	TD at 13963.9

State of New Mexico
Energy, Minerals and Natural Resources Department

Submit Electronically
Via E-permitting

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

NATURAL GAS MANAGEMENT PLAN

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

Section 1 – Plan Description
Effective May 25, 2021

I. Operator: Pride Energy Company **OGRID:** 151323 **Date:** 01 / 19 / 2023

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

If Other, please describe: _____

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

Well Name	API	ULSTR	Footages	Anticipated Oil BBL/D	Anticipated Gas MCF/D	Anticipated Produced Water BBL/D
Grama Ridge State Com 92H		C-2-21S-34E	280' FNL 1,330' FWL	600	1,400	300

IV. Central Delivery Point Name: Grama Ridge State Com CTB [See 19.15.27.9(D)(1) NMAC]

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

Well Name	API	Spud Date	TD Reached Date	Completion Commencement Date	Initial Flow Back Date	First Production Date
Grama Ridge State Com 92H		4/7/2023	6/20/2023	11/1/2023	12/1/2023	1/1/2024

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

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

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

Section 2 – Enhanced Plan
EFFECTIVE APRIL 1, 2022

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

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

IX. Anticipated Natural Gas Production:

Well	API	Anticipated Average Natural Gas Rate MCF/D	Anticipated Volume of Natural Gas for the First Year MCF

X. Natural Gas Gathering System (NGGS):

Operator	System	ULSTR of Tie-in	Anticipated Gathering Start Date	Available Maximum Daily Capacity of System Segment Tie-in

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

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

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

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

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

Section 3 - Certifications

Effective May 25, 2021

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

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

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

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

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

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

Section 4 - Notices

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

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

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

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

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

Signature:	Matthew L. Pride
Printed Name:	Matthew L. Pride
Title:	President of Pride Production Co., Inc. as General Partner of Pride Energy Company
E-mail Address:	mattp@pride-energy.com
Date:	January 19, 2023
Phone:	918-524-9200

OIL CONSERVATION DIVISION **(Only applicable when submitted as a standalone form)**
Approved By:
Title:
Approval Date:
Conditions of Approval:

Pride Energy Company

Grama Ridge State Com 92H

Natural Gas Management Plan Attachment

VI. Separation Equipment

- Separation equipment will be sized by construction engineering consultant based on stated manufacturer throughput capacities and anticipated daily production rates to ensure adequate capacity.

VII. Operational Practices

- Pride Energy will maximize the recovery of natural gas by minimizing the waste of natural gas through venting and flaring. Pride Energy will ensure that well(s) will be connected to a natural gas gathering system with sufficient capacity to transport natural gas. If there is no adequate takeaway for the gas, well(s) will be shut-in until the natural gas gathering system is available.

- All drilling operations will be equipped with a rig flare located at least 100 feet from the nearest surface hole. Rig flare will be utilized to combust any natural gas that is brought to surface during normal drilling operations. In the case of emergency venting or flaring the volumes will be estimated and reported appropriately.

- During initial flowback, the well stream will be routed to a completion or storage tank and the natural gas will be flared if technically feasible. When it becomes technically feasible, the well stream will be routed to separation equipment. Produced natural gas from separation equipment will be sent to sales. However, if natural gas does not meet gathering pipeline quality specifications, Pride Energy will flare the natural gas for 60 days or until the natural gas meets the pipeline quality specifications, whichever is sooner. Pride Energy will ensure the flare is sized properly and is equipped with automatic igniter or continuous pilot. The natural gas sample will be analyzed twice per week and the natural gas will be routed into a gathering system as soon as possible.

- Natural gas will not be flared with the exceptions and provisions listed in the 19.15.27.8D.(1) through (4). If there is no adequate takeaway for the separator gas, well(s) will be shut-in until the natural gas gathering system is available with

exception of emergency or malfunction situations. Venting and/or flaring volumes will be estimated and reported appropriately.

- Pride Energy will comply with the performance standards requirements and provisions listed in 19.15.27.8.E.(1) through (8). All equipment will be designed and sized to handle maximum anticipated pressures and throughputs in order to minimize the waste. Production storage tanks constructed after May 25, 2021 will be equipped with automatic gauging system. Flares constructed after May 25, 2021 will be equipped with automatic igniter or continuous pilot. Flares will be located at least 100' from the well and storage tanks unless otherwise approved by the division. Pride Energy will conduct AVO inspections as described in 19.15.27.8 E (5) (a) with frequencies specified in 19.15.27.8 E (5) (b) and (c). All emergencies will be resolved as quickly and safely as feasible to minimize waste.

- The volume of natural gas that is vented or flared as the result of malfunction or emergency during drilling and completions operations will be estimated. The volume of natural gas that is vented, flared, or beneficially used during production operations, will be measured. If metering is not practicable, Pride Energy will estimate the volume of vented or flared natural gas. Measuring equipment will conform to industry standards and will be designed or equipped with a manifold that allows the diversion of natural gas around the metering element except for the sole purpose of inspecting and servicing the measurement equipment.

VIII. Best Management Practices

- During downhole well maintenance, Pride Energy will use best management practices to vent as minimally as possible. After downhole well maintenance, natural gas will be flared until it reaches pipeline spefication.