

Submit 1 Copy To Appropriate District Office

District I – (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II – (575) 748-1283
811 S. First St., Artesia, NM 88210
District III – (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV – (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

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

Form C-103
Revised July 18, 2013

WELL API NO. 30-025-51061	
5. Indicate Type of Lease STATE ☒ FEE ☐	
6. State Oil & Gas Lease No.	
7. Lease Name or Unit Agreement Name Grama Ridge State Com	
8. Well Number 402H	
9. OGRID Number 151323	
10. Pool name or Wildcat WC-025 G-09 S2134110; UPR WOLFCAMP	
4. Well Location Unit Letter <u>D</u> : <u>250</u> feet from the <u>North</u> line and <u>1,350</u> feet from the <u>West</u> line Section <u>2</u> Township <u>21S</u> Range <u>34E</u> NMPM <u>Lea</u> County	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3,704	

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☒
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
DOWNHOLE COMMINGLE ☐
CLOSED-LOOP SYSTEM ☐
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐
OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Pride Energy Company requests the following changes be made to the drilling permit:

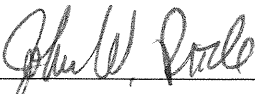
1. The pool name needs changed from WC-025 G-09 S2134110; UPR Wolfcamp to Grama Ridge; Bone Spring, North.
2. The formation changed from Wolfcamp to Bone Spring.
3. The bottom hole location changed from 2740' FSL & 2080' FWL to 2740' FSL to 2260' FWL.
4. The production hole setting depth changed from 16,492' to 14,277'.
5. The dedicated acreage for the well changed from 157.83 acres to 315.74 acres.

Spud Date:

Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE



President of Pride Oil & Gas Co., Inc.,
TITLE General Partner of Pride Energy Company

DATE 7/18/2023

Type or print name

John W. Pride

E-mail address: johnp@pride-energy.com

PHONE: (918) 524-9200

For State Use Only

APPROVED BY:

TITLE

DATE

Conditions of Approval (if any):

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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 35-025-51061	Pool Code 28434	Pool Name Grama Ridge; Bone Spring, North
Property Code	Property Name GRAMA RIDGE STATE COM	Well Number 402H
OGRID No. 151323	Operator Name PRIDE ENERGY COMPANY	Elevation 3704'

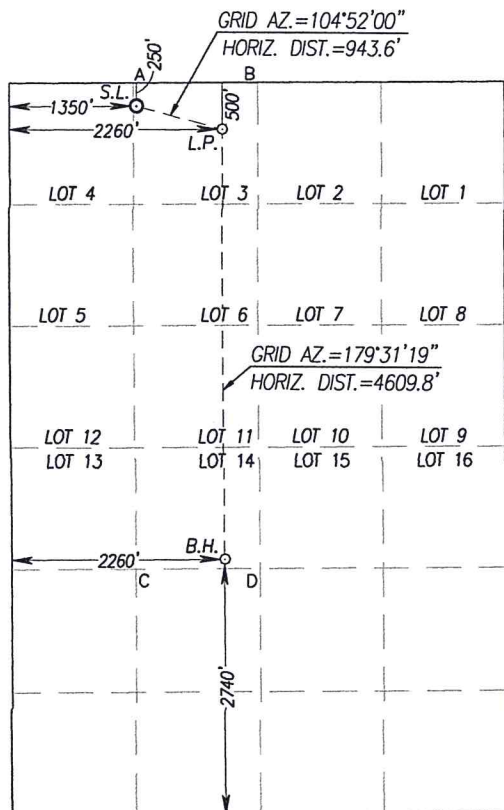
Surface Location

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		250	NORTH	1350	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	2260	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
Y= 554653.6 N
X= 815194.9 E
LAT.=32.521664° N
LONG.=103.444836° W

GEODETIC COORDINATES

NAD 27 NME
SURFACE LOCATION
Y= 554591.6 N
X= 774012.7 E
LAT.=32.521540° N
LONG.=103.444353° W

LANDING POINT

NAD 83 NME
Y= 554411.5 N
X= 816106.7 E
LAT.=32.520977° N
LONG.=103.441885° W

LANDING POINT

NAD 27 NME
Y= 554349.5 N
X= 774924.5 E
LAT.=32.520854° N
LONG.=103.441401° 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
Y= 549802.7 N
X= 816145.2 E
LAT.=32.508309° N
LONG.=103.441885° W

BOTTOM HOLE LOCATION

NAD 27 NME
Y= 549740.8 N
X= 774962.8 E
LAT.=32.508185° N
LONG.=103.441402° 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 7/17/2023
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 and that the same is true and correct to the best of my knowledge.

DECEMBER 30, 2023
Date of Survey 12641
Signature of Professional Surveyor Ronald J. Eidson

Certification Number 12641

Ronald J. Eidson 3239

ACK REL. W.O.: 22110458 JWSC W.O.: 23.13.0205



PRIDE ENERGY

LEA CO., NM (NAD83)

SEC 02-T21S-R34E

GRAMA RIDGE STATE COM #402H

Wellbore #1

Plan: Plan 4

Standard Planning Report

06 July, 2023

PRIDE ENERGY COMPANY



SB Directional Services

Planning Report

PRIDE ENERGY COMPANY

Database:	1 - EDM Production	Local Co-ordinate Reference:	Well GRAMA RIDGE STATE COM #402H
Company:	PRIDE ENERGY	TVD Reference:	RKB 20' + GL 3703.8' @ 3723.80usft
Project:	LEA CO., NM (NAD83)	MD Reference:	RKB 20' + GL 3703.8' @ 3723.80usft
Site:	SEC 02-T21S-R34E	North Reference:	Grid
Well:	GRAMA RIDGE STATE COM #402H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan 4		

Project	LEA CO., NM (NAD83)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	SEC 02-T21S-R34E		
Site Position:		Northing:	554,623.60 usft
From:	Map	Easting:	815,195.10 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32.52158128
		Longitude:	-103.44483626

Well	GRAMA RIDGE STATE COM #402H		
Well Position	+N/-S	0.00 usft	Northing: 554,653.60 usft
	+E/-W	0.00 usft	Easting: 815,194.90 usft
Position Uncertainty	0.50 usft	Wellhead Elevation:	usft
Grid Convergence:	0.48 °	Ground Level:	3,703.80 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	6/19/2023	6.27	60.12	47,470.14011271

Design	Plan 4				
Audit Notes:					
Version:	Phase:	PLAN	Tie On Depth:	5,865.00	
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.00	0.00	0.00	179.52	

Plan Survey Tool Program	Date	7/6/2023			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	177.00	5,865.00	Intrepid Surveys (Wellbore #1)	MWD	
			MWD - Standard		
2	5,865.00	14,277.30	Plan 4 (Wellbore #1)	MWD+HRGM	
			OWSG MWD + HRGM		



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Site:	SEC 02-T21S-R34E	North Reference:	Grid
Well:	GRAMA RIDGE STATE COM #402H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan 4		

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
5,865.00	9.76	72.77	5,811.51	188.46	624.31	0.00	0.00	0.00	0.00	
7,383.59	9.50	89.70	7,309.00	227.25	872.62	0.19	-0.02	1.11	103.55	
7,858.59	0.00	0.00	7,781.83	227.45	911.90	2.00	-2.00	0.00	180.00	
8,924.30	0.00	0.00	8,847.54	227.45	911.90	0.00	0.00	0.00	0.00	
9,677.21	90.35	179.60	9,325.00	-252.91	915.25	12.00	12.00	23.85	179.60	
14,277.30	90.35	179.60	9,297.00	-4,852.80	947.30	0.00	0.00	0.00	0.00	



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Well:	GRAMA RIDGE STATE COM #402H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan 4		

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)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
177.00	0.40	109.16	177.00	-0.20	0.58	0.21	0.23	0.23	0.00
208.00	0.40	116.28	208.00	-0.29	0.78	0.29	0.16	0.00	22.97
300.00	0.44	137.46	300.00	-0.69	1.31	0.70	0.17	0.04	23.02
391.00	0.35	223.94	390.99	-1.15	1.35	1.16	0.60	-0.10	95.03
483.00	0.26	232.12	482.99	-1.48	0.99	1.49	0.11	-0.10	8.89
576.00	0.09	121.46	575.99	-1.64	0.89	1.65	0.33	-0.18	-118.99
668.00	1.23	12.13	667.99	-0.72	1.16	0.73	1.37	1.24	-118.84
759.00	1.54	14.85	758.96	1.42	1.68	-1.41	0.35	0.34	2.99
851.00	1.36	15.38	850.93	3.67	2.28	-3.65	0.20	-0.20	0.58
941.00	1.67	36.12	940.90	5.76	3.34	-5.73	0.69	0.34	23.04
1,029.00	1.93	64.86	1,028.86	7.42	5.44	-7.38	1.05	0.30	32.66
1,117.00	2.15	79.72	1,116.80	8.35	8.40	-8.28	0.65	0.25	16.89
1,205.00	1.85	79.01	1,204.75	8.91	11.42	-8.82	0.34	-0.34	-0.81
1,293.00	1.67	78.57	1,292.71	9.44	14.07	-9.32	0.21	-0.20	-0.50
1,381.00	1.71	81.91	1,380.67	9.88	16.63	-9.74	0.12	0.05	3.80
1,469.00	1.41	79.19	1,468.64	10.26	18.99	-10.10	0.35	-0.34	-3.09
1,557.00	1.49	89.82	1,556.61	10.47	21.20	-10.29	0.32	0.09	12.08
1,646.00	1.23	81.12	1,645.58	10.62	23.30	-10.43	0.37	-0.29	-9.78
1,734.00	1.32	79.54	1,733.56	10.95	25.23	-10.74	0.11	0.10	-1.80
1,823.00	1.32	77.78	1,822.54	11.35	27.24	-11.13	0.05	0.00	-1.98
1,880.00	1.32	81.65	1,879.52	11.59	28.53	-11.35	0.16	0.00	6.79
2,002.00	1.32	67.24	2,001.49	12.34	31.22	-12.07	0.27	0.00	-11.81
2,089.00	3.03	73.83	2,088.42	13.36	34.35	-13.08	1.98	1.97	7.57
2,178.00	4.97	75.76	2,177.20	14.97	40.35	-14.63	2.18	2.18	2.17
2,266.00	6.20	74.62	2,264.78	17.17	48.62	-16.76	1.40	1.40	-1.30
2,354.00	7.34	72.68	2,352.17	20.10	58.57	-19.61	1.32	1.30	-2.20
2,442.00	9.01	76.20	2,439.27	23.42	70.63	-22.82	1.98	1.90	4.00
2,530.00	9.67	81.91	2,526.11	26.10	84.64	-25.39	1.29	0.75	6.49
2,618.00	9.58	86.22	2,612.87	27.62	99.27	-26.79	0.83	-0.10	4.90
2,706.00	9.01	90.26	2,699.71	28.08	113.46	-27.12	0.98	-0.65	4.59
2,793.00	8.75	93.60	2,785.67	27.63	126.88	-26.57	0.66	-0.30	3.84
2,882.00	9.89	87.10	2,873.50	27.59	141.27	-26.41	1.74	1.28	-7.30
2,971.00	10.33	80.42	2,961.12	29.31	156.77	-27.99	1.41	0.49	-7.51
3,059.00	10.68	73.74	3,047.65	32.90	172.38	-31.46	1.44	0.40	-7.59
3,148.00	12.00	68.91	3,134.91	38.54	188.93	-36.96	1.83	1.48	-5.43
3,235.00	12.26	69.78	3,219.97	44.99	206.04	-43.26	0.37	0.30	1.00
3,324.00	11.60	67.41	3,307.04	51.69	223.17	-49.82	0.92	-0.74	-2.66
3,411.00	11.82	65.21	3,392.23	58.79	239.33	-56.78	0.57	0.25	-2.53
3,499.00	10.51	64.16	3,478.57	66.06	254.74	-63.93	1.51	-1.49	-1.19
3,588.00	10.20	63.81	3,566.12	73.08	269.12	-70.82	0.36	-0.35	-0.39
3,675.00	10.73	65.39	3,651.67	79.85	283.39	-77.48	0.69	0.61	1.82
3,762.00	10.20	64.42	3,737.22	86.55	297.70	-84.05	0.64	-0.61	-1.11
3,850.00	9.05	63.02	3,823.98	93.06	310.90	-90.45	1.33	-1.31	-1.59
3,938.00	8.26	68.47	3,910.98	98.52	322.95	-95.81	1.29	-0.90	6.19
4,025.00	7.52	65.13	3,997.16	103.20	333.93	-100.40	1.00	-0.85	-3.84
4,113.00	7.21	68.03	4,084.43	107.69	344.27	-104.80	0.55	-0.35	3.30
4,200.00	7.21	69.08	4,170.74	111.68	354.43	-108.71	0.15	0.00	1.21
4,288.00	7.56	70.05	4,258.01	115.63	365.03	-112.57	0.42	0.40	1.10
4,377.00	8.00	73.65	4,346.19	119.37	376.48	-116.21	0.74	0.49	4.04
4,465.00	8.13	80.33	4,433.33	122.14	388.49	-118.88	1.07	0.15	7.59
4,554.00	8.09	82.44	4,521.44	124.02	400.90	-120.66	0.34	-0.04	2.37
4,642.00	8.70	79.98	4,608.49	125.99	413.60	-122.52	0.80	0.69	-2.80
4,731.00	9.54	76.20	4,696.37	128.92	427.39	-125.34	1.16	0.94	-4.25



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Wellbore:	Wellbore #1		
Design:	Plan 4		

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)
4,818.00	10.02	74.27	4,782.10	132.70	441.67	-128.99	0.67	0.55	-2.22
4,907.00	9.98	73.92	4,869.75	136.93	456.54	-133.10	0.08	-0.04	-0.39
4,995.00	10.11	72.95	4,956.40	141.31	471.25	-137.36	0.24	0.15	-1.10
5,083.00	10.64	76.02	5,042.96	145.54	486.52	-141.45	0.87	0.60	3.49
5,170.00	10.73	72.95	5,128.46	149.85	502.05	-145.64	0.66	0.10	-3.53
5,258.00	11.12	72.07	5,214.86	154.86	517.96	-150.52	0.48	0.44	-1.00
5,345.00	10.90	72.25	5,300.26	159.96	533.77	-155.48	0.26	-0.25	0.21
5,433.00	11.08	72.68	5,386.65	165.01	549.77	-160.40	0.22	0.20	0.49
5,522.00	10.77	72.25	5,474.03	170.09	565.85	-165.34	0.36	-0.35	-0.48
5,610.00	10.68	72.68	5,560.50	175.02	581.47	-170.15	0.14	-0.10	0.49
5,698.00	10.37	72.33	5,647.02	179.86	596.80	-174.85	0.36	-0.35	-0.40
5,795.00	9.76	72.77	5,742.52	184.94	612.97	-179.80	0.63	-0.63	0.45
5,865.00	9.76	72.77	5,811.51	188.46	624.31	-183.22	0.00	0.00	0.00
Start DLS 0.19 TFO 103.55									
5,900.00	9.74	73.15	5,846.00	190.19	629.97	-184.91	0.19	-0.04	1.07
6,000.00	9.70	74.22	5,944.57	194.94	646.18	-189.52	0.19	-0.04	1.08
6,100.00	9.67	75.31	6,043.14	199.36	662.42	-193.80	0.19	-0.04	1.09
6,200.00	9.63	76.40	6,141.73	203.46	678.67	-197.76	0.19	-0.03	1.09
6,300.00	9.60	77.51	6,240.32	207.23	694.94	-201.40	0.19	-0.03	1.10
6,400.00	9.57	78.61	6,338.92	210.67	711.24	-204.71	0.19	-0.03	1.11
6,500.00	9.55	79.73	6,437.53	213.79	727.56	-207.69	0.19	-0.02	1.11
6,600.00	9.53	80.85	6,536.15	216.59	743.89	-210.35	0.19	-0.02	1.12
6,700.00	9.51	81.97	6,634.77	219.06	760.25	-212.68	0.19	-0.02	1.12
6,800.00	9.50	83.10	6,733.40	221.21	776.63	-214.69	0.19	-0.01	1.13
6,900.00	9.49	84.23	6,832.03	223.03	793.03	-216.38	0.19	-0.01	1.13
7,000.00	9.49	85.36	6,930.66	224.52	809.45	-217.74	0.19	-0.01	1.13
7,100.00	9.49	86.49	7,029.29	225.70	825.89	-218.77	0.19	0.00	1.13
7,200.00	9.49	87.62	7,127.93	226.54	842.35	-219.48	0.19	0.00	1.13
7,300.00	9.49	88.76	7,226.56	227.06	858.83	-219.86	0.19	0.01	1.13
7,383.59	9.50	89.70	7,309.00	227.25	872.62	-219.93	0.19	0.01	1.13
Start Drop -2.00									
7,400.00	9.17	89.70	7,325.19	227.26	875.28	-219.92	2.00	-2.00	0.00
7,500.00	7.17	89.70	7,424.17	227.34	889.49	-219.88	2.00	-2.00	0.00
7,600.00	5.17	89.70	7,523.59	227.39	900.24	-219.84	2.00	-2.00	0.00
7,700.00	3.17	89.70	7,623.32	227.43	907.52	-219.82	2.00	-2.00	0.00
7,800.00	1.17	89.70	7,723.24	227.45	911.30	-219.81	2.00	-2.00	0.00
7,858.59	0.00	0.00	7,781.83	227.45	911.90	-219.81	2.00	-2.00	0.00
7,900.00	0.00	0.00	7,823.24	227.45	911.90	-219.81	0.00	0.00	0.00
8,000.00	0.00	0.00	7,923.24	227.45	911.90	-219.81	0.00	0.00	0.00
8,100.00	0.00	0.00	8,023.24	227.45	911.90	-219.81	0.00	0.00	0.00
8,200.00	0.00	0.00	8,123.24	227.45	911.90	-219.81	0.00	0.00	0.00
8,300.00	0.00	0.00	8,223.24	227.45	911.90	-219.81	0.00	0.00	0.00
8,400.00	0.00	0.00	8,323.24	227.45	911.90	-219.81	0.00	0.00	0.00
8,500.00	0.00	0.00	8,423.24	227.45	911.90	-219.81	0.00	0.00	0.00
8,600.00	0.00	0.00	8,523.24	227.45	911.90	-219.81	0.00	0.00	0.00
8,700.00	0.00	0.00	8,623.24	227.45	911.90	-219.81	0.00	0.00	0.00
8,800.00	0.00	0.00	8,723.24	227.45	911.90	-219.81	0.00	0.00	0.00
8,900.00	0.00	0.00	8,823.24	227.45	911.90	-219.81	0.00	0.00	0.00
8,924.30	0.00	0.00	8,847.54	227.45	911.90	-219.81	0.00	0.00	0.00
KOP									
8,950.00	3.08	179.60	8,873.23	226.76	911.91	-219.11	12.00	12.00	0.00
8,975.00	6.08	179.60	8,898.14	224.76	911.92	-217.12	12.00	12.00	0.00
9,000.00	9.08	179.60	8,922.92	221.47	911.95	-213.82	12.00	12.00	0.00



SB Directional Services

Planning Report

PRIDE ENERGY COMPANY

Database:	1 - EDM Production	Local Co-ordinate Reference:	Well GRAMA RIDGE STATE COM #402H
Company:	PRIDE ENERGY	TVD Reference:	RKB 20' + GL 3703.8' @ 3723.80usft
Project:	LEA CO., NM (NAD83)	MD Reference:	RKB 20' + GL 3703.8' @ 3723.80usft
Site:	SEC 02-T21S-R34E	North Reference:	Grid
Well:	GRAMA RIDGE STATE COM #402H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan 4		

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)	
9,025.00	12.08	179.60	8,947.49	216.87	911.98	-209.23	12.00	12.00	0.00	
9,050.00	15.08	179.60	8,971.79	211.00	912.02	-203.36	12.00	12.00	0.00	
9,075.00	18.08	179.60	8,995.75	203.87	912.07	-196.22	12.00	12.00	0.00	
9,100.00	21.08	179.60	9,019.30	195.49	912.13	-187.84	12.00	12.00	0.00	
9,125.00	24.08	179.60	9,042.38	185.89	912.19	-178.24	12.00	12.00	0.00	
9,150.00	27.08	179.60	9,064.93	175.10	912.27	-167.45	12.00	12.00	0.00	
9,175.00	30.08	179.60	9,086.88	163.14	912.35	-155.49	12.00	12.00	0.00	
9,200.00	33.08	179.60	9,108.17	150.05	912.44	-142.40	12.00	12.00	0.00	
9,225.00	36.08	179.60	9,128.75	135.86	912.54	-128.21	12.00	12.00	0.00	
9,250.00	39.08	179.60	9,148.56	120.61	912.65	-112.96	12.00	12.00	0.00	
9,275.00	42.08	179.60	9,167.54	104.35	912.76	-96.70	12.00	12.00	0.00	
9,300.00	45.08	179.60	9,185.65	87.12	912.88	-79.47	12.00	12.00	0.00	
9,325.00	48.08	179.60	9,202.83	68.96	913.01	-61.31	12.00	12.00	0.00	
9,350.00	51.08	179.60	9,219.04	49.93	913.14	-42.28	12.00	12.00	0.00	
9,375.00	54.08	179.60	9,234.23	30.08	913.28	-22.42	12.00	12.00	0.00	
9,400.00	57.08	179.60	9,248.36	9.45	913.42	-1.80	12.00	12.00	0.00	
9,425.00	60.08	179.60	9,261.39	-11.88	913.57	19.53	12.00	12.00	0.00	
9,450.00	63.08	179.60	9,273.28	-33.86	913.72	41.52	12.00	12.00	0.00	
9,475.00	66.08	179.60	9,284.01	-56.44	913.88	64.09	12.00	12.00	0.00	
9,500.00	69.08	179.60	9,293.54	-79.55	914.04	87.20	12.00	12.00	0.00	
9,525.00	72.08	179.60	9,301.85	-103.12	914.21	110.78	12.00	12.00	0.00	
9,550.00	75.08	179.60	9,308.92	-127.10	914.37	134.76	12.00	12.00	0.00	
9,575.00	78.08	179.60	9,314.72	-151.41	914.54	159.07	12.00	12.00	0.00	
9,600.00	81.08	179.60	9,319.24	-176.00	914.71	183.66	12.00	12.00	0.00	
9,625.00	84.08	179.60	9,322.46	-200.79	914.89	208.44	12.00	12.00	0.00	
9,650.00	87.08	179.60	9,324.39	-225.71	915.06	233.37	12.00	12.00	0.00	
9,677.21	90.35	179.60	9,325.00	-252.91	915.25	260.56	12.00	12.00	0.00	
9,700.00	90.35	179.60	9,324.86	-275.70	915.41	283.36	0.00	0.00	0.00	
9,800.00	90.35	179.60	9,324.25	-375.69	916.11	383.35	0.00	0.00	0.00	
9,900.00	90.35	179.60	9,323.64	-475.69	916.80	483.35	0.00	0.00	0.00	
10,000.00	90.35	179.60	9,323.03	-575.68	917.50	583.35	0.00	0.00	0.00	
10,100.00	90.35	179.60	9,322.42	-675.68	918.20	683.35	0.00	0.00	0.00	
10,200.00	90.35	179.60	9,321.81	-775.68	918.89	783.35	0.00	0.00	0.00	
10,300.00	90.35	179.60	9,321.21	-875.67	919.59	883.34	0.00	0.00	0.00	
10,400.00	90.35	179.60	9,320.60	-975.67	920.29	983.34	0.00	0.00	0.00	
10,500.00	90.35	179.60	9,319.99	-1,075.66	920.98	1,083.34	0.00	0.00	0.00	
10,600.00	90.35	179.60	9,319.38	-1,175.66	921.68	1,183.34	0.00	0.00	0.00	
10,700.00	90.35	179.60	9,318.77	-1,275.65	922.38	1,283.34	0.00	0.00	0.00	
10,800.00	90.35	179.60	9,318.16	-1,375.65	923.07	1,383.33	0.00	0.00	0.00	
10,900.00	90.35	179.60	9,317.55	-1,475.65	923.77	1,483.33	0.00	0.00	0.00	
11,000.00	90.35	179.60	9,316.95	-1,575.64	924.47	1,583.33	0.00	0.00	0.00	
11,100.00	90.35	179.60	9,316.34	-1,675.64	925.16	1,683.33	0.00	0.00	0.00	
11,200.00	90.35	179.60	9,315.73	-1,775.63	925.86	1,783.33	0.00	0.00	0.00	
11,300.00	90.35	179.60	9,315.12	-1,875.63	926.56	1,883.32	0.00	0.00	0.00	
11,400.00	90.35	179.60	9,314.51	-1,975.62	927.25	1,983.32	0.00	0.00	0.00	
11,500.00	90.35	179.60	9,313.90	-2,075.62	927.95	2,083.32	0.00	0.00	0.00	
11,600.00	90.35	179.60	9,313.29	-2,175.62	928.65	2,183.32	0.00	0.00	0.00	
11,700.00	90.35	179.60	9,312.69	-2,275.61	929.34	2,283.32	0.00	0.00	0.00	
11,800.00	90.35	179.60	9,312.08	-2,375.61	930.04	2,383.32	0.00	0.00	0.00	
11,900.00	90.35	179.60	9,311.47	-2,475.60	930.74	2,483.31	0.00	0.00	0.00	
12,000.00	90.35	179.60	9,310.86	-2,575.60	931.43	2,583.31	0.00	0.00	0.00	
12,100.00	90.35	179.60	9,310.25	-2,675.59	932.13	2,683.31	0.00	0.00	0.00	
12,200.00	90.35	179.60	9,309.64	-2,775.59	932.83	2,783.31	0.00	0.00	0.00	
12,300.00	90.35	179.60	9,309.03	-2,875.59	933.52	2,883.31	0.00	0.00	0.00	



SB Directional Services

Planning Report

PRIDE ENERGY COMPANY

Database:	1 - EDM Production	Local Co-ordinate Reference:	Well GRAMA RIDGE STATE COM #402H
Company:	PRIDE ENERGY	TVD Reference:	RKB 20' + GL 3703.8' @ 3723.80usft
Project:	LEA CO., NM (NAD83)	MD Reference:	RKB 20' + GL 3703.8' @ 3723.80usft
Site:	SEC 02-T21S-R34E	North Reference:	Grid
Well:	GRAMA RIDGE STATE COM #402H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan 4		

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)	
12,400.00	90.35	179.60	9,308.43	-2,975.58	934.22	2,983.30	0.00	0.00	0.00	
12,500.00	90.35	179.60	9,307.82	-3,075.58	934.92	3,083.30	0.00	0.00	0.00	
12,600.00	90.35	179.60	9,307.21	-3,175.57	935.61	3,183.30	0.00	0.00	0.00	
12,700.00	90.35	179.60	9,306.60	-3,275.57	936.31	3,283.30	0.00	0.00	0.00	
12,800.00	90.35	179.60	9,305.99	-3,375.56	937.01	3,383.30	0.00	0.00	0.00	
12,900.00	90.35	179.60	9,305.38	-3,475.56	937.70	3,483.29	0.00	0.00	0.00	
13,000.00	90.35	179.60	9,304.77	-3,575.56	938.40	3,583.29	0.00	0.00	0.00	
13,100.00	90.35	179.60	9,304.17	-3,675.55	939.10	3,683.29	0.00	0.00	0.00	
13,200.00	90.35	179.60	9,303.56	-3,775.55	939.79	3,783.29	0.00	0.00	0.00	
13,300.00	90.35	179.60	9,302.95	-3,875.54	940.49	3,883.29	0.00	0.00	0.00	
13,400.00	90.35	179.60	9,302.34	-3,975.54	941.19	3,983.28	0.00	0.00	0.00	
13,500.00	90.35	179.60	9,301.73	-4,075.53	941.88	4,083.28	0.00	0.00	0.00	
13,600.00	90.35	179.60	9,301.12	-4,175.53	942.58	4,183.28	0.00	0.00	0.00	
13,700.00	90.35	179.60	9,300.51	-4,275.53	943.28	4,283.28	0.00	0.00	0.00	
13,800.00	90.35	179.60	9,299.91	-4,375.52	943.97	4,383.28	0.00	0.00	0.00	
13,900.00	90.35	179.60	9,299.30	-4,475.52	944.67	4,483.27	0.00	0.00	0.00	
14,000.00	90.35	179.60	9,298.69	-4,575.51	945.37	4,583.27	0.00	0.00	0.00	
14,100.00	90.35	179.60	9,298.08	-4,675.51	946.06	4,683.27	0.00	0.00	0.00	
14,200.00	90.35	179.60	9,297.47	-4,775.50	946.76	4,783.27	0.00	0.00	0.00	
14,277.30	90.35	179.60	9,297.00	-4,852.80	947.30	4,860.57	0.00	0.00	0.00	
TD at 14277.30										

Design Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude	
KOP (30' FNL - 2260' FV - hit/miss target - Shape - Point	0.00	0.00	8,847.54	209.50	911.90	554,863.10	816,106.80	32.52221860	-103.44187217	
- plan misses target center by 17.96usft at 8924.79usft MD (8848.02 TVD, 227.45 N, 911.90 E)										
GRSC402H - PBHL2 (2260' FV - plan hits target center - Point	0.00	0.00	9,297.00	-4,852.80	947.30	549,800.80	816,142.20	32.50830433	-103.44189469	
GRSC402H - LP2 (2260' FV - plan misses target center by 3.50usft at 9697.78usft MD (9324.87 TVD, -273.47 N, 915.39 E) - Point	0.00	0.00	9,325.00	-273.50	911.90	554,380.10	816,106.80	32.52089110	-103.44188528	

Casing Points					
Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")	
14,259.13	9,297.11	20" Casing	20	24	



SB Directional Services

Planning Report

PRIDE ENERGY COMPANY

Database:	1 - EDM Production	Local Co-ordinate Reference:	Well GRAMA RIDGE STATE COM #402H
Company:	PRIDE ENERGY	TVD Reference:	RKB 20' + GL 3703.8' @ 3723.80usft
Project:	LEA CO., NM (NAD83)	MD Reference:	RKB 20' + GL 3703.8' @ 3723.80usft
Site:	SEC 02-T21S-R34E	North Reference:	Grid
Well:	GRAMA RIDGE STATE COM #402H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan 4		

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
5,865.00	5,811.51	188.46	624.31	Start DLS 0.19 TFO 103.55
7,383.59	7,309.00	227.25	872.62	Start Drop -2.00
8,924.30	8,847.54	227.45	911.90	KOP
14,277.30	9,297.00	-4,852.80	947.30	TD at 14277.30

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

CONDITIONS

Action 241712

CONDITIONS

Operator: PRIDE ENERGY COMPANY P.O. Box 701950 Tulsa, OK 741701950	OGRID: 151323
	Action Number: 241712
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
pkautz	None	7/31/2023