

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. 30-025-51060	
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 401H	
9. OGRID Number 151323	
10. Pool name or Wildcat WC-025 G-09 S2134110; UPR WOLFCAMP	

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)	
1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐	
2. Name of Operator Pride Energy Company	
3. Address of Operator P.O. Box 701950	
4. Well Location Unit Letter <u>D</u> : <u>250</u> feet from the <u>North</u> line and <u>1,310</u> feet from the <u>West</u> line Section <u>2</u> Township <u>21S</u> Range <u>34E</u> NMPM Lea 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:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☒	COMMENCE DRILLING OPNS. ☐	P AND A ☐
PULL OR ALTER CASING ☐	MULTIPLE COMPL ☐	CASING/CEMENT JOB ☐	
DOWNHOLE COMMINGLE ☐			
CLOSED-LOOP SYSTEM ☐			
OTHER: ☐		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:

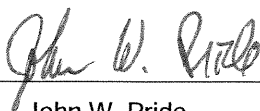
- The pool name changed from WC-025 G-09 S2134110; UPR Wolfcamp to Grama Ridge; Bone Spring, North.
- The formation changed from Wolfcamp to Bone Spring.
- The bottom hole location changed from 2740' FSL & 760' FWL to 2740' FSL to 1120' FWL.
- The production hole setting depth changed from 16,505' to 14,264'.
- The dedicated acreage for the well changed from 157.91 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.,
 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):

□ AMENDED REPORT

Certificate Number	Gary G. Eidson	12641
	Ronald J. Eidson	3239
ACK REL W.O.:22110457	JWSC W.O.: 23.13.0204	



PRIDE ENERGY

LEA CO., NM (NAD83)

SEC 02-T21S-R34E

GRAMA RIDGE STATE COM #401H

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 #401H
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 #401H	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 #401H		
Well Position	+N/-S	0.00 usft	Northing: 554,653.20 usft
	+E/-W	0.00 usft	Easting: 815,154.90 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	47,470.12718610

Design	Plan 4				
Audit Notes:					
Version:	Phase:	PLAN	Tie On Depth:	5,880.00	
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	5,880.00	Intrepid Surveys (Wellbore #1)	MWD	
			MWD - Standard		
2	5,880.00	14,263.81	Plan 4 (Wellbore #1)	MWD+HRGM	
			OWSG MWD + HRGM		



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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
5,880.00	6.33	298.39	5,861.64	152.60	-316.98	0.00	0.00	0.00	0.00	
6,614.36	6.00	22.00	6,593.00	207.53	-338.25	1.12	-0.04	11.39	133.36	
6,914.36	0.00	0.00	6,892.45	222.08	-332.37	2.00	-2.00	0.00	180.00	
8,899.45	0.00	0.00	8,877.54	222.08	-332.37	0.00	0.00	0.00	0.00	
9,652.35	90.35	177.98	9,355.00	-257.99	-315.44	12.00	12.00	23.64	177.98	
14,263.81	90.35	177.98	9,327.00	-4,866.50	-152.90	0.00	0.00	0.00	0.00	



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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)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
177.00	0.48	212.52	177.00	-0.63	-0.40	0.62	0.27	0.27	0.00
208.00	0.31	251.54	208.00	-0.76	-0.55	0.76	1.00	-0.55	125.87
300.00	0.35	301.29	300.00	-0.69	-1.02	0.69	0.30	0.04	54.08
391.00	1.01	311.04	390.99	-0.02	-1.87	0.01	0.73	0.73	10.71
483.00	1.23	323.70	482.97	1.31	-3.06	-1.33	0.36	0.24	13.76
576.00	0.53	349.01	575.96	2.53	-3.74	-2.56	0.84	-0.75	27.22
668.00	0.92	318.43	667.95	3.50	-4.31	-3.54	0.58	0.42	-33.24
759.00	0.79	34.63	758.95	4.56	-4.44	-4.60	1.16	-0.14	83.74
851.00	1.10	62.58	850.93	5.49	-3.29	-5.52	0.59	0.34	30.38
941.00	0.88	64.69	940.92	6.19	-1.90	-6.20	0.25	-0.24	2.34
1,029.00	0.70	315.61	1,028.92	6.86	-1.66	-6.87	1.47	-0.20	-123.95
1,117.00	0.79	266.92	1,116.91	7.21	-2.65	-7.23	0.70	0.10	-55.33
1,205.00	0.75	267.19	1,204.90	7.15	-3.83	-7.18	0.05	-0.05	0.31
1,293.00	0.62	280.63	1,292.89	7.21	-4.87	-7.25	0.23	-0.15	15.27
1,381.00	1.58	306.39	1,380.88	8.02	-6.32	-8.07	1.20	1.09	29.27
1,469.00	1.41	312.27	1,468.85	9.47	-8.09	-9.53	0.26	-0.19	6.68
1,557.00	1.32	330.91	1,556.82	11.08	-9.39	-11.16	0.51	-0.10	21.18
1,646.00	1.45	326.16	1,645.80	12.91	-10.51	-13.00	0.19	0.15	-5.34
1,734.00	1.19	318.78	1,733.77	14.52	-11.73	-14.62	0.35	-0.30	-8.39
1,823.00	1.05	321.68	1,822.76	15.86	-12.85	-15.96	0.17	-0.16	3.26
1,878.00	0.75	329.50	1,877.75	16.56	-13.34	-16.67	0.59	-0.55	14.22
2,005.00	0.57	342.16	2,004.74	17.88	-13.96	-18.00	0.18	-0.14	9.97
2,093.00	0.62	3.43	2,092.74	18.77	-14.07	-18.89	0.26	0.06	24.17
2,182.00	0.75	37.62	2,181.73	19.71	-13.68	-19.83	0.47	0.15	38.42
2,270.00	0.75	302.17	2,269.73	20.48	-13.82	-20.59	1.26	0.00	-108.47
2,358.00	1.98	277.21	2,357.70	20.98	-15.81	-21.11	1.52	1.40	-28.36
2,446.00	2.64	277.73	2,445.63	21.44	-19.33	-21.60	0.75	0.75	0.59
2,534.00	2.46	278.00	2,533.54	21.97	-23.21	-22.17	0.20	-0.20	0.31
2,622.00	1.45	295.22	2,621.49	22.71	-26.09	-22.93	1.32	-1.15	19.57
2,709.00	0.70	316.49	2,708.47	23.57	-27.45	-23.79	0.96	-0.86	24.45
2,797.00	0.70	310.78	2,796.47	24.31	-28.22	-24.54	0.08	0.00	-6.49
2,885.00	0.70	302.87	2,884.46	24.95	-29.08	-25.19	0.11	0.00	-8.99
2,974.00	0.70	299.71	2,973.45	25.51	-30.01	-25.76	0.04	0.00	-3.55
3,062.00	1.71	281.25	3,061.43	26.04	-31.77	-26.30	1.22	1.15	-20.98
3,151.00	3.52	279.67	3,150.34	26.75	-35.76	-27.05	2.04	2.03	-1.78
3,239.00	5.45	283.18	3,238.06	28.16	-42.49	-28.52	2.21	2.19	3.99
3,327.00	7.16	290.92	3,325.53	31.07	-51.69	-31.50	2.17	1.94	8.80
3,414.00	8.44	294.17	3,411.72	35.62	-62.58	-36.15	1.56	1.47	3.74
3,503.00	8.09	296.81	3,499.80	41.12	-74.13	-41.74	0.58	-0.39	2.97
3,591.00	6.95	296.72	3,587.04	46.31	-84.41	-47.01	1.30	-1.30	-0.10
3,678.00	6.20	288.81	3,673.47	50.19	-93.56	-50.97	1.35	-0.86	-9.09
3,765.00	6.20	284.15	3,759.96	52.85	-102.56	-53.71	0.58	0.00	-5.36
3,853.00	6.29	288.19	3,847.44	55.52	-111.75	-56.45	0.51	0.10	4.59
3,941.00	6.24	291.62	3,934.91	58.79	-120.77	-59.80	0.43	-0.06	3.90
4,029.00	6.15	293.03	4,022.40	62.39	-129.56	-63.48	0.20	-0.10	1.60
4,116.00	6.29	293.38	4,108.89	66.11	-138.22	-67.26	0.17	0.16	0.40
4,204.00	6.33	295.84	4,196.36	70.14	-147.01	-71.36	0.31	0.05	2.80
4,292.00	6.29	292.41	4,283.82	74.09	-155.83	-75.39	0.43	-0.05	-3.90
4,380.00	6.02	289.86	4,371.32	77.49	-164.63	-78.87	0.44	-0.31	-2.90
4,557.00	6.11	297.16	4,547.33	84.95	-181.74	-86.47	0.44	0.05	4.12
4,646.00	6.33	296.98	4,635.80	89.33	-190.33	-90.93	0.25	0.25	-0.20
4,734.00	6.37	297.95	4,723.26	93.82	-198.96	-95.49	0.13	0.05	1.10
4,822.00	6.46	296.37	4,810.71	98.31	-207.71	-100.05	0.23	0.10	-1.80



SB Directional Services

PRIDE ENERGY COMPANY

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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)
4,910.00	6.55	297.16	4,898.15	102.80	-216.61	-104.61	0.14	0.10	0.90
4,998.00	6.77	293.91	4,985.55	107.19	-225.82	-109.08	0.50	0.25	-3.69
5,086.00	6.64	292.94	5,072.95	111.28	-235.25	-113.25	0.20	-0.15	-1.10
5,173.00	6.55	293.11	5,159.37	115.19	-244.44	-117.23	0.11	-0.10	0.20
5,261.00	6.55	294.17	5,246.80	119.21	-253.64	-121.33	0.14	0.00	1.20
5,348.00	6.81	295.66	5,333.21	123.48	-262.81	-125.67	0.36	0.30	1.71
5,437.00	6.86	296.98	5,421.58	128.17	-272.31	-130.45	0.19	0.06	1.48
5,525.00	6.81	297.95	5,508.95	133.00	-281.60	-135.36	0.14	-0.06	1.10
5,613.00	6.90	300.85	5,596.32	138.16	-290.75	-140.59	0.41	0.10	3.30
5,702.00	6.37	298.39	5,684.73	143.25	-299.68	-145.75	0.68	-0.60	-2.76
5,813.00	6.33	298.39	5,795.05	149.09	-310.48	-151.68	0.04	-0.04	0.00
5,880.00	6.33	298.39	5,861.64	152.60	-316.98	-155.25	0.00	0.00	0.00
Start DLS 1.12 TFO 133.36									
5,900.00	6.18	299.90	5,881.52	153.66	-318.88	-156.32	1.12	-0.76	7.56
6,000.00	5.50	308.63	5,981.00	159.33	-327.29	-162.07	1.12	-0.68	8.73
6,100.00	4.97	319.50	6,080.59	165.62	-333.84	-168.41	1.12	-0.52	10.87
6,200.00	4.66	332.33	6,180.24	172.51	-338.54	-175.34	1.12	-0.31	12.83
6,300.00	4.61	346.19	6,279.91	180.01	-341.39	-182.87	1.12	-0.05	13.86
6,400.00	4.82	359.57	6,379.58	188.12	-342.38	-190.98	1.12	0.21	13.38
6,500.00	5.27	11.26	6,479.19	196.83	-341.52	-199.69	1.12	0.45	11.69
6,600.00	5.90	20.80	6,578.72	206.14	-338.80	-208.97	1.12	0.63	9.54
6,614.36	6.00	22.00	6,593.00	207.53	-338.25	-210.35	1.12	0.71	8.35
Start Drop -2.00									
6,700.00	4.29	22.00	6,678.29	214.65	-335.38	-217.45	2.00	-2.00	0.00
6,800.00	2.29	22.00	6,778.12	219.96	-333.23	-222.75	2.00	-2.00	0.00
6,900.00	0.29	22.00	6,878.09	222.04	-332.39	-224.82	2.00	-2.00	0.00
6,914.36	0.00	0.00	6,892.45	222.08	-332.37	-224.85	2.00	-2.00	0.00
7,000.00	0.00	0.00	6,978.09	222.08	-332.37	-224.85	0.00	0.00	0.00
7,100.00	0.00	0.00	7,078.09	222.08	-332.37	-224.85	0.00	0.00	0.00
7,200.00	0.00	0.00	7,178.09	222.08	-332.37	-224.85	0.00	0.00	0.00
7,300.00	0.00	0.00	7,278.09	222.08	-332.37	-224.85	0.00	0.00	0.00
7,400.00	0.00	0.00	7,378.09	222.08	-332.37	-224.85	0.00	0.00	0.00
7,500.00	0.00	0.00	7,478.09	222.08	-332.37	-224.85	0.00	0.00	0.00
7,600.00	0.00	0.00	7,578.09	222.08	-332.37	-224.85	0.00	0.00	0.00
7,700.00	0.00	0.00	7,678.09	222.08	-332.37	-224.85	0.00	0.00	0.00
7,800.00	0.00	0.00	7,778.09	222.08	-332.37	-224.85	0.00	0.00	0.00
7,900.00	0.00	0.00	7,878.09	222.08	-332.37	-224.85	0.00	0.00	0.00
8,000.00	0.00	0.00	7,978.09	222.08	-332.37	-224.85	0.00	0.00	0.00
8,100.00	0.00	0.00	8,078.09	222.08	-332.37	-224.85	0.00	0.00	0.00
8,200.00	0.00	0.00	8,178.09	222.08	-332.37	-224.85	0.00	0.00	0.00
8,300.00	0.00	0.00	8,278.09	222.08	-332.37	-224.85	0.00	0.00	0.00
8,400.00	0.00	0.00	8,378.09	222.08	-332.37	-224.85	0.00	0.00	0.00
8,500.00	0.00	0.00	8,478.09	222.08	-332.37	-224.85	0.00	0.00	0.00
8,600.00	0.00	0.00	8,578.09	222.08	-332.37	-224.85	0.00	0.00	0.00
8,700.00	0.00	0.00	8,678.09	222.08	-332.37	-224.85	0.00	0.00	0.00
8,800.00	0.00	0.00	8,778.09	222.08	-332.37	-224.85	0.00	0.00	0.00
8,899.45	0.00	0.00	8,877.54	222.08	-332.37	-224.85	0.00	0.00	0.00
KOP									
8,925.00	3.07	177.98	8,903.08	221.39	-332.35	-224.17	12.00	12.00	0.00
8,950.00	6.07	177.98	8,928.00	219.41	-332.28	-222.18	12.00	12.00	0.00
8,975.00	9.07	177.98	8,952.78	216.12	-332.16	-218.89	12.00	12.00	0.00
9,000.00	12.07	177.98	8,977.35	211.54	-332.00	-214.31	12.00	12.00	0.00
9,025.00	15.07	177.98	9,001.65	205.68	-331.80	-208.45	12.00	12.00	0.00



SB Directional Services

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PRIDE ENERGY COMPANY

Database:	1 - EDM Production	Local Co-ordinate Reference:	Well GRAMA RIDGE STATE COM #401H
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 #401H	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)	
9,050.00	18.07	177.98	9,025.61	198.55	-331.54	-201.32	12.00	12.00	0.00	
9,075.00	21.07	177.98	9,049.16	190.19	-331.25	-192.95	12.00	12.00	0.00	
9,100.00	24.07	177.98	9,072.25	180.60	-330.91	-183.37	12.00	12.00	0.00	
9,125.00	27.07	177.98	9,094.80	169.82	-330.53	-172.58	12.00	12.00	0.00	
9,150.00	30.07	177.98	9,116.75	157.87	-330.11	-160.63	12.00	12.00	0.00	
9,175.00	33.07	177.98	9,138.05	144.80	-329.65	-147.55	12.00	12.00	0.00	
9,200.00	36.07	177.98	9,158.63	130.62	-329.15	-133.37	12.00	12.00	0.00	
9,225.00	39.07	177.98	9,178.45	115.39	-328.61	-118.14	12.00	12.00	0.00	
9,250.00	42.07	177.98	9,197.44	99.14	-328.04	-101.89	12.00	12.00	0.00	
9,275.00	45.07	177.98	9,215.55	81.93	-327.43	-84.67	12.00	12.00	0.00	
9,300.00	48.07	177.98	9,232.74	63.79	-326.79	-66.52	12.00	12.00	0.00	
9,325.00	51.07	177.98	9,248.95	44.77	-326.12	-47.50	12.00	12.00	0.00	
9,350.00	54.07	177.98	9,264.14	24.93	-325.42	-27.66	12.00	12.00	0.00	
9,375.00	57.07	177.98	9,278.28	4.33	-324.69	-7.05	12.00	12.00	0.00	
9,400.00	60.07	177.98	9,291.31	-16.98	-323.94	14.27	12.00	12.00	0.00	
9,425.00	63.07	177.98	9,303.22	-38.95	-323.17	36.24	12.00	12.00	0.00	
9,450.00	66.07	177.98	9,313.95	-61.51	-322.37	58.81	12.00	12.00	0.00	
9,475.00	69.07	177.98	9,323.49	-84.60	-321.56	81.91	12.00	12.00	0.00	
9,500.00	72.07	177.98	9,331.81	-108.16	-320.73	105.47	12.00	12.00	0.00	
9,525.00	75.07	177.98	9,338.88	-132.12	-319.88	129.44	12.00	12.00	0.00	
9,550.00	78.07	177.98	9,344.69	-156.42	-319.02	153.74	12.00	12.00	0.00	
9,575.00	81.07	177.98	9,349.21	-180.99	-318.16	178.32	12.00	12.00	0.00	
9,600.00	84.07	177.98	9,352.45	-205.76	-317.28	203.10	12.00	12.00	0.00	
9,625.00	87.07	177.98	9,354.38	-230.67	-316.41	228.01	12.00	12.00	0.00	
9,652.35	90.35	177.98	9,355.00	-257.99	-315.44	255.34	12.00	12.00	0.00	
9,700.00	90.35	177.98	9,354.71	-305.61	-313.76	302.97	0.00	0.00	0.00	
9,800.00	90.35	177.98	9,354.10	-405.55	-310.24	402.93	0.00	0.00	0.00	
9,900.00	90.35	177.98	9,353.49	-505.48	-306.71	502.90	0.00	0.00	0.00	
10,000.00	90.35	177.98	9,352.89	-605.42	-303.19	602.86	0.00	0.00	0.00	
10,100.00	90.35	177.98	9,352.28	-705.35	-299.66	702.82	0.00	0.00	0.00	
10,200.00	90.35	177.98	9,351.67	-805.29	-296.14	802.78	0.00	0.00	0.00	
10,300.00	90.35	177.98	9,351.06	-905.23	-292.61	902.74	0.00	0.00	0.00	
10,400.00	90.35	177.98	9,350.46	-1,005.16	-289.09	1,002.71	0.00	0.00	0.00	
10,500.00	90.35	177.98	9,349.85	-1,105.10	-285.56	1,102.67	0.00	0.00	0.00	
10,600.00	90.35	177.98	9,349.24	-1,205.04	-282.04	1,202.63	0.00	0.00	0.00	
10,700.00	90.35	177.98	9,348.64	-1,304.97	-278.51	1,302.59	0.00	0.00	0.00	
10,800.00	90.35	177.98	9,348.03	-1,404.91	-274.99	1,402.55	0.00	0.00	0.00	
10,900.00	90.35	177.98	9,347.42	-1,504.84	-271.47	1,502.52	0.00	0.00	0.00	
11,000.00	90.35	177.98	9,346.81	-1,604.78	-267.94	1,602.48	0.00	0.00	0.00	
11,100.00	90.35	177.98	9,346.21	-1,704.72	-264.42	1,702.44	0.00	0.00	0.00	
11,200.00	90.35	177.98	9,345.60	-1,804.65	-260.89	1,802.40	0.00	0.00	0.00	
11,300.00	90.35	177.98	9,344.99	-1,904.59	-257.37	1,902.36	0.00	0.00	0.00	
11,400.00	90.35	177.98	9,344.39	-2,004.52	-253.84	2,002.33	0.00	0.00	0.00	
11,500.00	90.35	177.98	9,343.78	-2,104.46	-250.32	2,102.29	0.00	0.00	0.00	
11,600.00	90.35	177.98	9,343.17	-2,204.40	-246.79	2,202.25	0.00	0.00	0.00	
11,700.00	90.35	177.98	9,342.57	-2,304.33	-243.27	2,302.21	0.00	0.00	0.00	
11,800.00	90.35	177.98	9,341.96	-2,404.27	-239.74	2,402.17	0.00	0.00	0.00	
11,900.00	90.35	177.98	9,341.35	-2,504.20	-236.22	2,502.14	0.00	0.00	0.00	
12,000.00	90.35	177.98	9,340.74	-2,604.14	-232.69	2,602.10	0.00	0.00	0.00	
12,100.00	90.35	177.98	9,340.14	-2,704.08	-229.17	2,702.06	0.00	0.00	0.00	
12,200.00	90.35	177.98	9,339.53	-2,804.01	-225.64	2,802.02	0.00	0.00	0.00	
12,300.00	90.35	177.98	9,338.92	-2,903.95	-222.12	2,901.98	0.00	0.00	0.00	
12,400.00	90.35	177.98	9,338.32	-3,003.88	-218.59	3,001.95	0.00	0.00	0.00	
12,500.00	90.35	177.98	9,337.71	-3,103.82	-215.07	3,101.91	0.00	0.00	0.00	



SB Directional Services

Planning Report

PRIDE ENERGY COMPANY

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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 #401H	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)	
12,600.00	90.35	177.98	9,337.10	-3,203.76	-211.54	3,201.87	0.00	0.00	0.00	
12,700.00	90.35	177.98	9,336.49	-3,303.69	-208.02	3,301.83	0.00	0.00	0.00	
12,800.00	90.35	177.98	9,335.89	-3,403.63	-204.50	3,401.79	0.00	0.00	0.00	
12,900.00	90.35	177.98	9,335.28	-3,503.56	-200.97	3,501.76	0.00	0.00	0.00	
13,000.00	90.35	177.98	9,334.67	-3,603.50	-197.45	3,601.72	0.00	0.00	0.00	
13,100.00	90.35	177.98	9,334.07	-3,703.44	-193.92	3,701.68	0.00	0.00	0.00	
13,200.00	90.35	177.98	9,333.46	-3,803.37	-190.40	3,801.64	0.00	0.00	0.00	
13,300.00	90.35	177.98	9,332.85	-3,903.31	-186.87	3,901.61	0.00	0.00	0.00	
13,400.00	90.35	177.98	9,332.24	-4,003.24	-183.35	4,001.57	0.00	0.00	0.00	
13,500.00	90.35	177.98	9,331.64	-4,103.18	-179.82	4,101.53	0.00	0.00	0.00	
13,600.00	90.35	177.98	9,331.03	-4,203.12	-176.30	4,201.49	0.00	0.00	0.00	
13,700.00	90.35	177.98	9,330.42	-4,303.05	-172.77	4,301.45	0.00	0.00	0.00	
13,800.00	90.35	177.98	9,329.82	-4,402.99	-169.25	4,401.42	0.00	0.00	0.00	
13,900.00	90.35	177.98	9,329.21	-4,502.92	-165.72	4,501.38	0.00	0.00	0.00	
14,000.00	90.35	177.98	9,328.60	-4,602.86	-162.20	4,601.34	0.00	0.00	0.00	
14,100.00	90.35	177.98	9,327.99	-4,702.80	-158.67	4,701.30	0.00	0.00	0.00	
14,200.00	90.35	177.98	9,327.39	-4,802.73	-155.15	4,801.26	0.00	0.00	0.00	
14,263.81	90.35	177.98	9,327.00	-4,866.50	-152.90	4,865.05	0.00	0.00	0.00	
TD at 14263.81										

Design Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude	
GRSC401H - LP	0.00	0.00	0.00	-254.80	-547.80	554,398.40	814,607.10	32.52097578	-103.44674984	
- plan misses target center by 604.16usft at 2.13usft MD (2.13 TVD, 0.00 N, 0.00 E)										
- Point										
KOP (25' FNL - 984' FW	0.00	0.00	8,877.54	222.08	-332.30	554,875.28	814,822.60	32.52228153	-103.44603787	
- plan misses target center by 0.07usft at 8899.45usft MD (8877.54 TVD, 222.08 N, -332.37 E)										
- Point										
GRSC401H - PBHL2 (1,	0.00	0.00	9,327.00	-4,866.50	-152.90	549,786.70	815,002.00	32.50829173	-103.44559338	
- plan hits target center										
- Point										
GRSC401H - LP2 (998'	0.00	0.00	9,355.00	-254.80	-315.30	554,398.40	814,839.60	32.52097047	-103.44599560	
- plan misses target center by 0.25usft at 9649.17usft MD (9355.00 TVD, -254.81 N, -315.55 E)										
- Point										

Casing Points					
Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")	
14,233.34	9,327.19	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 #401H
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 #401H	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)	
5,880.00	5,861.64	152.60	-316.98	Start DLS 1.12 TFO 133.36
6,614.36	6,593.00	207.53	-338.25	Start Drop -2.00
8,899.45	8,877.54	222.08	-332.37	KOP
14,263.81	9,327.00	-4,866.50	-152.90	TD at 14263.81

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 241696

CONDITIONS

Operator: PRIDE ENERGY COMPANY P.O. Box 701950 Tulsa, OK 741701950	OGRID: 151323
	Action Number: 241696
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

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