

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

Form C-103
 Revised July 18, 2013

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

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.)		WELL API NO. 30-015-46809
1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐		5. Indicate Type of Lease STATE ☒ FEE ☐
2. Name of Operator MR NM Operating, LLC		6. State Oil & Gas Lease No. VB06120001
3. Address of Operator 5950 Berkshire Lane, Suite 1000, Dallas, TX 75225		7. Lease Name or Unit Agreement Name War Hound 2 State Com
4. Well Location Unit Letter E : 2612 feet from the North line and 260 feet from the West line Section 02 Township 17S Range 27E NMPM County Eddy		8. Well Number 401H
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3468		9. OGRID Number 330506
		10. Pool name or Wildcat Hart Canyon; Abo

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.

MR NM Operating, LLC requests to move the SHL from 2612 FNL & 260 FWL, Section 2, T.17S, R.27E (32.86460006, -104.255863) to 2439 FNL & 458 FWL, Section 2, T.17S, R.27E (32.8650480, -104.2551511).

See attached revised C102 and Directional Survey Report. The casing, cementing, and mud program will change accordingly.

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 Cory Walk TITLE Consultant DATE 07/11/2022

Type or print name Cory Walk E-mail address: cory@permitswest.com PHONE: 505-466-8120

For State Use Only

APPROVED BY: _____ TITLE _____ DATE _____

Conditions of Approval (if any):

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 Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

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

FORM C-102

Revised August 1, 2011

Submit one copy to appropriate

District Office



AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-46809	² Pool Code 97450	³ Pool Name HART CANYON; ABO
⁴ Property Code 332301	⁵ Property Name WAR HOUND 2 STATE COM	
⁷ OGRID No. 330506	⁸ Operator Name MR NM OPERATING LLC.	⁶ Well Number 401H
		⁹ Elevation 3465'

¹⁰Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	02	17-S	27-E	-	2439'	NORTH	458'	WEST	EDDY

¹¹Bottom 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
H	02	17-S	27-E	-	2466'	NORTH	100'	EAST	EDDY

¹² Dedicated Acres 160.00	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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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.

			¹⁷OPERATOR 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. <i>Cory Walk</i> 7/11/2022 Signature Date Cory Walk Printed Name cory@permitswest.com E-mail Address
¹⁸SURVEYOR 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 to the best of my belief. 02/28/2020 Date of Survey <i>Ramon A. Dominguez</i> Signature and Seal of Professional Surveyor 24508 Certificate Number			



Cypress Natural Resources

Eddy County, NM (NAD 27)

SEC 2, T-17-S, R-27-E

WAR HOUND 2 STATE COM

ORIGINAL HOLE

PRELIM #0

Standard Planning Report

13 June, 2022





CATHEDRAL

Project: Eddy County, NM (NAD 27)
 Site: SEC 2, T-17-S, R-27-E
 Well: WAR HOUND 2 STATE COM
 Wellbore: ORIGINAL HOLE
 PRELIM #0

WELL DETAILS: WAR HOUND 2 STATE COM

18' KB @ 3483.00usft

Ground Level: 3465.00

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	678384.00	524164.00	32.864936	-104.254636
US State Plane 1927 (Exact solution)					
New Mexico East 3001					



Total Azimuth to Grid North
 True North: -0.04°
 Magnetic North: 6.87°

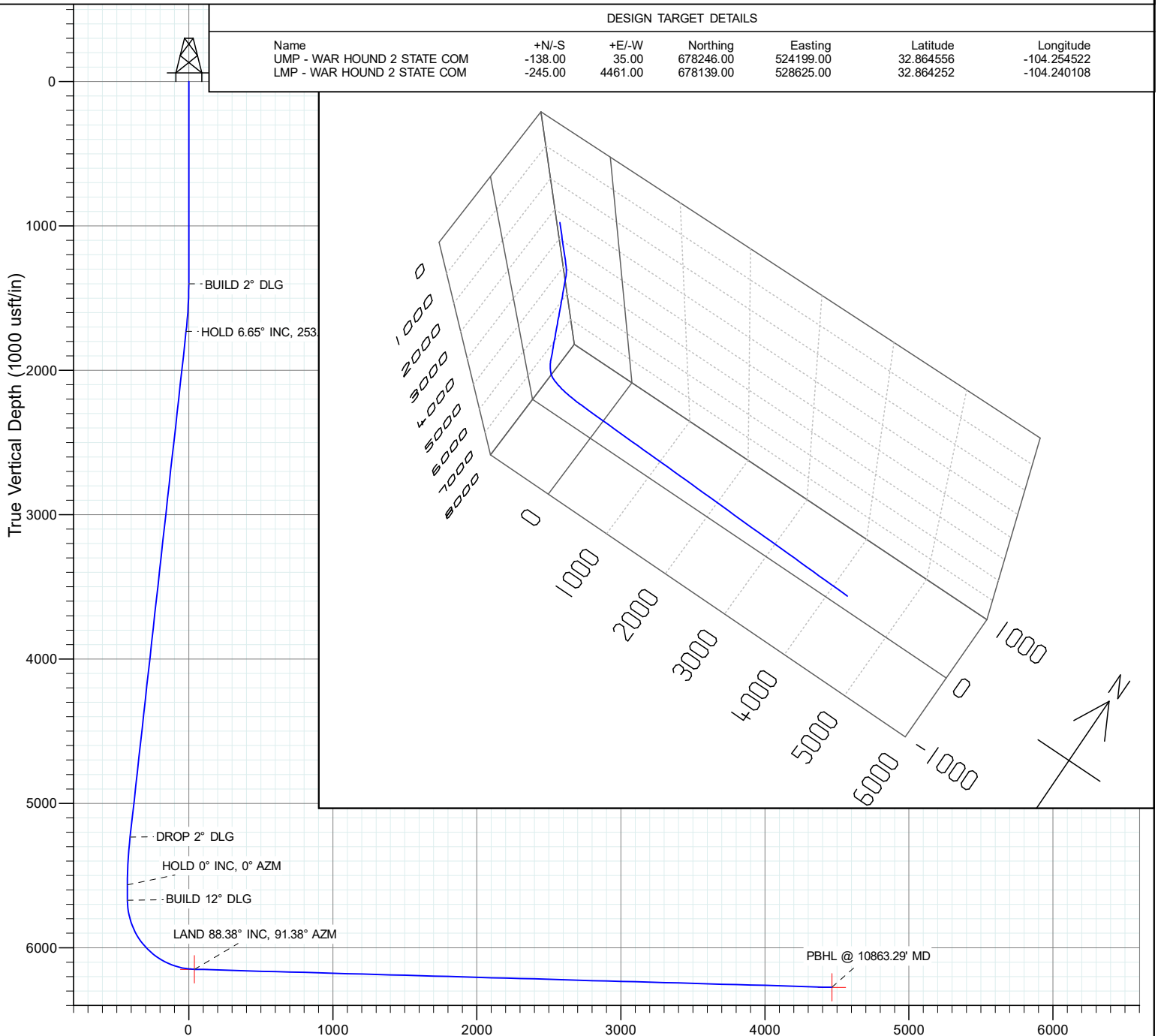
Magnetic Field
 Strength: 47684.3nT
 Dip Angle: 60.44°
 Date: 6/10/2022
 Model: HRGM

SECTION DETAILS

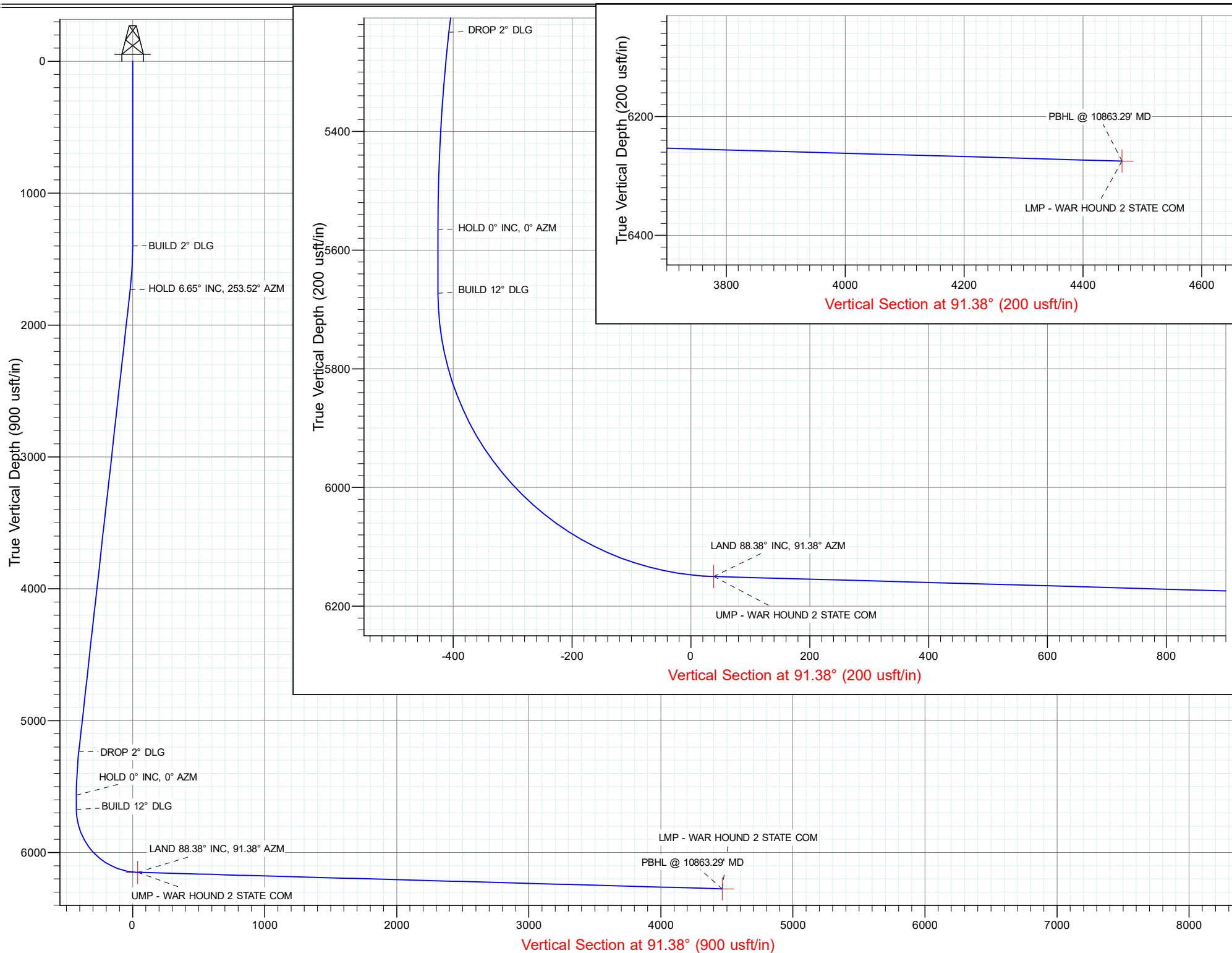
MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Annotation
0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.00	0.00	
1400.00	0.00	0.00	1400.00	0.00	0.00	0.0	0.00	0.00	BUILD 2° DLG
1732.64	6.65	253.52	1731.90	-5.47	-18.50	2.0	253.52	-18.36	HOLD 6.65° INC, 253.52° AZM
5257.59	6.65	253.52	5233.10	-121.32	-410.10	0.0	0.00	-407.06	DROP 2° DLG
5590.23	0.00	0.00	5565.00	-126.79	-428.60	2.0	180.00	-425.42	HOLD 0° INC, 0° AZM
5697.96	0.00	0.00	5672.73	-126.79	-428.60	0.0	0.00	-425.42	BUILD 12° DLG
6434.48	88.38	91.38	6150.00	-138.00	35.25	12.0	91.38	38.57	LAND 88.38° INC, 91.38° AZM
10863.29	88.38	91.38	6275.00	-245.00	4461.00	0.0	0.00	4465.61	PBHL @ 10863.29' MD

DESIGN TARGET DETAILS

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
UMP - WAR HOUND 2 STATE COM	-138.00	35.00	678246.00	524199.00	32.864556	-104.254522
LMP - WAR HOUND 2 STATE COM	-245.00	4461.00	678139.00	528625.00	32.864252	-104.240108

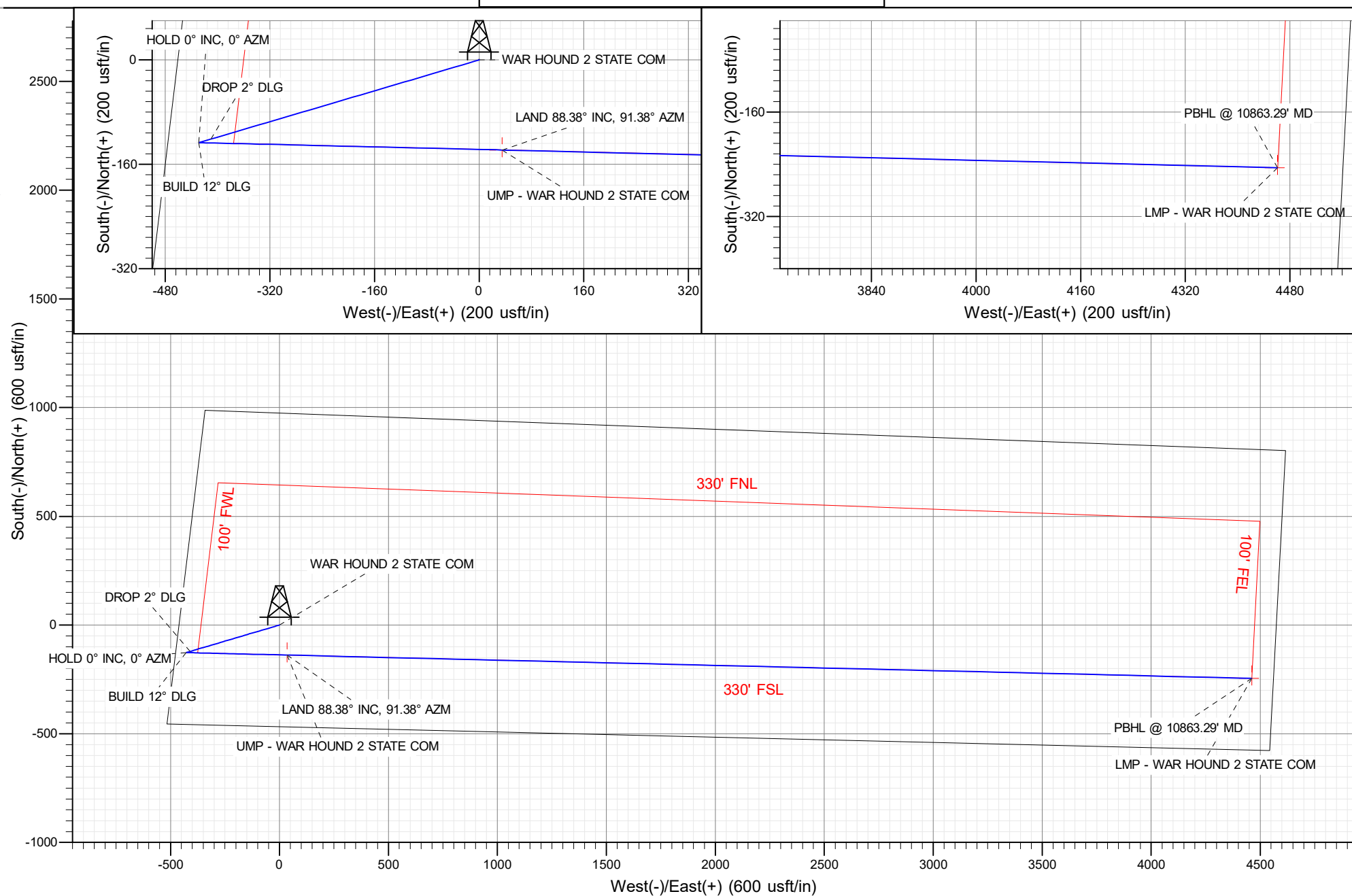


Vertical Section at 91.38° (1000 usft/in)





US State Plane 1927 (Exact solution)
New Mexico East 3001
Project: Eddy County, NM (NAD 27)
Site: SEC 2, T-17-S, R-27-E
Well: WAR HOUND 2 STATE COM
Wellbore: ORIGINAL HOLE
18" KB @ 3483.00usft
Ground Elevation: 3465.00
PRELIM #0





Planning Report



Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well WAR HOUND 2 STATE COM
Company:	Cypress Natural Resources	TVD Reference:	18' KB @ 3483.00usft
Project:	Eddy County, NM (NAD 27)	MD Reference:	18' KB @ 3483.00usft
Site:	SEC 2, T-17-S, R-27-E	North Reference:	Grid
Well:	WAR HOUND 2 STATE COM	Survey Calculation Method:	Minimum Curvature
Wellbore:	ORIGINAL HOLE		
Design:	PRELIM #0		

Project	Eddy County, NM (NAD 27)		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site	SEC 2, T-17-S, R-27-E					
Site Position:		Northing:	678,384.00 usft	Latitude:	32.864936	
From:	Map	Easting:	524,164.00 usft	Longitude:	-104.254636	
Position Uncertainty:		0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.04 °

Well	WAR HOUND 2 STATE COM					
Well Position	+N/-S	0.00 usft	Northing:	678,384.00 usft	Latitude:	32.864936
	+E/-W	0.00 usft	Easting:	524,164.00 usft	Longitude:	-104.254636
Position Uncertainty		0.00 usft	Wellhead Elevation:		Ground Level:	3,465.00 usft

Wellbore	ORIGINAL HOLE				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HRGM	6/10/2022	6.91	60.44	47,684.28895936

Design	PRELIM #0			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	93.14

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
0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.00	
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.0	0.0	0.0	0.00	
1,732.64	6.65	253.52	1,731.90	-5.47	-18.50	2.0	2.0	0.0	253.52	
5,257.59	6.65	253.52	5,233.10	-121.32	-410.10	0.0	0.0	0.0	0.00	
5,590.23	0.00	0.00	5,565.00	-126.79	-428.60	2.0	-2.0	0.0	180.00	
5,697.96	0.00	0.00	5,672.73	-126.79	-428.60	0.0	0.0	0.0	0.00	
6,434.48	88.38	91.38	6,150.00	-138.00	35.25	12.0	12.0	0.0	91.38	
10,863.29	88.38	91.38	6,275.00	-245.00	4,461.00	0.0	0.0	0.0	0.00	



Planning Report



Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well WAR HOUND 2 STATE COM
Company:	Cypress Natural Resources	TVD Reference:	18' KB @ 3483.00usft
Project:	Eddy County, NM (NAD 27)	MD Reference:	18' KB @ 3483.00usft
Site:	SEC 2, T-17-S, R-27-E	North Reference:	Grid
Well:	WAR HOUND 2 STATE COM	Survey Calculation Method:	Minimum Curvature
Wellbore:	ORIGINAL HOLE		
Design:	PRELIM #0		

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	0.0	0.0	0.0
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.0	0.0	0.0
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.0	0.0	0.0
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.0	0.0	0.0
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.0	0.0	0.0
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.0	0.0	0.0
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.0	0.0	0.0
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.0	0.0	0.0
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.0	0.0	0.0
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.0	0.0	0.0
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.0	0.0	0.0
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.0	0.0	0.0
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.0	0.0	0.0
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.0	0.0	0.0
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.0	0.0	0.0
BUILD 2° DLG									
1,500.00	2.00	253.52	1,499.98	-0.50	-1.67	-1.64	2.0	2.0	0.0
1,600.00	4.00	253.52	1,599.84	-1.98	-6.69	-6.57	2.0	2.0	0.0
1,700.00	6.00	253.52	1,699.45	-4.45	-15.05	-14.78	2.0	2.0	0.0
1,732.64	6.65	253.52	1,731.90	-5.47	-18.50	-18.17	2.0	2.0	0.0
HOLD 6.65° INC, 253.52° AZM									
1,800.00	6.65	253.52	1,798.80	-7.69	-25.98	-25.52	0.0	0.0	0.0
1,900.00	6.65	253.52	1,898.13	-10.97	-37.09	-36.43	0.0	0.0	0.0
2,000.00	6.65	253.52	1,997.45	-14.26	-48.20	-47.35	0.0	0.0	0.0
2,100.00	6.65	253.52	2,096.78	-17.55	-59.31	-58.26	0.0	0.0	0.0
2,200.00	6.65	253.52	2,196.11	-20.83	-70.42	-69.17	0.0	0.0	0.0
2,300.00	6.65	253.52	2,295.43	-24.12	-81.53	-80.08	0.0	0.0	0.0
2,400.00	6.65	253.52	2,394.76	-27.40	-92.64	-91.00	0.0	0.0	0.0
2,500.00	6.65	253.52	2,494.09	-30.69	-103.75	-101.91	0.0	0.0	0.0
2,600.00	6.65	253.52	2,593.41	-33.98	-114.86	-112.82	0.0	0.0	0.0
2,700.00	6.65	253.52	2,692.74	-37.26	-125.97	-123.73	0.0	0.0	0.0
2,800.00	6.65	253.52	2,792.07	-40.55	-137.08	-134.65	0.0	0.0	0.0
2,900.00	6.65	253.52	2,891.39	-43.84	-148.19	-145.56	0.0	0.0	0.0
3,000.00	6.65	253.52	2,990.72	-47.12	-159.30	-156.47	0.0	0.0	0.0
3,100.00	6.65	253.52	3,090.05	-50.41	-170.40	-167.38	0.0	0.0	0.0
3,200.00	6.65	253.52	3,189.37	-53.70	-181.51	-178.30	0.0	0.0	0.0
3,300.00	6.65	253.52	3,288.70	-56.98	-192.62	-189.21	0.0	0.0	0.0
3,400.00	6.65	253.52	3,388.03	-60.27	-203.73	-200.12	0.0	0.0	0.0
3,500.00	6.65	253.52	3,487.35	-63.56	-214.84	-211.03	0.0	0.0	0.0
3,600.00	6.65	253.52	3,586.68	-66.84	-225.95	-221.95	0.0	0.0	0.0
3,700.00	6.65	253.52	3,686.01	-70.13	-237.06	-232.86	0.0	0.0	0.0
3,800.00	6.65	253.52	3,785.33	-73.41	-248.17	-243.77	0.0	0.0	0.0
3,900.00	6.65	253.52	3,884.66	-76.70	-259.28	-254.68	0.0	0.0	0.0
4,000.00	6.65	253.52	3,983.99	-79.99	-270.39	-265.60	0.0	0.0	0.0
4,100.00	6.65	253.52	4,083.31	-83.27	-281.50	-276.51	0.0	0.0	0.0
4,200.00	6.65	253.52	4,182.64	-86.56	-292.61	-287.42	0.0	0.0	0.0
4,300.00	6.65	253.52	4,281.97	-89.85	-303.72	-298.33	0.0	0.0	0.0
4,400.00	6.65	253.52	4,381.29	-93.13	-314.83	-309.25	0.0	0.0	0.0
4,500.00	6.65	253.52	4,480.62	-96.42	-325.94	-320.16	0.0	0.0	0.0
4,600.00	6.65	253.52	4,579.95	-99.71	-337.05	-331.07	0.0	0.0	0.0
4,700.00	6.65	253.52	4,679.27	-102.99	-348.16	-341.98	0.0	0.0	0.0
4,800.00	6.65	253.52	4,778.60	-106.28	-359.27	-352.90	0.0	0.0	0.0
4,900.00	6.65	253.52	4,877.92	-109.57	-370.38	-363.81	0.0	0.0	0.0
5,000.00	6.65	253.52	4,977.25	-112.85	-381.49	-374.72	0.0	0.0	0.0



Planning Report



Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well WAR HOUND 2 STATE COM
Company:	Cypress Natural Resources	TVD Reference:	18' KB @ 3483.00usft
Project:	Eddy County, NM (NAD 27)	MD Reference:	18' KB @ 3483.00usft
Site:	SEC 2, T-17-S, R-27-E	North Reference:	Grid
Well:	WAR HOUND 2 STATE COM	Survey Calculation Method:	Minimum Curvature
Wellbore:	ORIGINAL HOLE		
Design:	PRELIM #0		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
5,100.00	6.65	253.52	5,076.58	-116.14	-392.59	-385.64	0.0	0.0	0.0	
5,200.00	6.65	253.52	5,175.90	-119.43	-403.70	-396.55	0.0	0.0	0.0	
5,257.59	6.65	253.52	5,233.10	-121.32	-410.10	-402.83	0.0	0.0	0.0	
DROP 2° DLG										
5,300.00	5.80	253.52	5,275.27	-122.62	-414.51	-407.17	2.0	-2.0	0.0	
5,400.00	3.80	253.52	5,374.91	-125.00	-422.55	-415.06	2.0	-2.0	0.0	
5,500.00	1.80	253.52	5,474.78	-126.39	-427.24	-419.66	2.0	-2.0	0.0	
5,590.23	0.00	0.00	5,565.00	-126.79	-428.60	-421.00	2.0	-2.0	0.0	
HOLD 0° INC, 0° AZM										
5,600.00	0.00	0.00	5,574.77	-126.79	-428.60	-421.00	0.0	0.0	0.0	
5,697.96	0.00	0.00	5,672.73	-126.79	-428.60	-421.00	0.0	0.0	0.0	
BUILD 12° DLG										
5,700.00	0.24	91.38	5,674.77	-126.79	-428.60	-421.00	12.0	12.0	0.0	
5,800.00	12.24	91.38	5,774.00	-127.05	-417.74	-410.15	12.0	12.0	0.0	
5,900.00	24.24	91.38	5,868.79	-127.81	-386.50	-378.91	12.0	12.0	0.0	
6,000.00	36.24	91.38	5,955.02	-129.02	-336.24	-328.66	12.0	12.0	0.0	
6,100.00	48.24	91.38	6,028.92	-130.64	-269.15	-261.58	12.0	12.0	0.0	
6,200.00	60.24	91.38	6,087.24	-132.60	-188.17	-180.61	12.0	12.0	0.0	
6,300.00	72.24	91.38	6,127.45	-134.81	-96.83	-89.30	12.0	12.0	0.0	
6,400.00	84.24	91.38	6,147.79	-137.17	0.86	8.38	12.0	12.0	0.0	
6,434.48	88.38	91.38	6,150.00	-138.00	35.25	42.77	12.0	12.0	0.0	
LAND 88.38° INC, 91.38° AZM										
6,500.00	88.38	91.38	6,151.85	-139.59	100.73	108.23	0.0	0.0	0.0	
6,600.00	88.38	91.38	6,154.68	-142.00	200.66	208.14	0.0	0.0	0.0	
6,700.00	88.38	91.38	6,157.50	-144.42	300.59	308.06	0.0	0.0	0.0	
6,800.00	88.38	91.38	6,160.32	-146.83	400.52	407.97	0.0	0.0	0.0	
6,900.00	88.38	91.38	6,163.14	-149.25	500.45	507.88	0.0	0.0	0.0	
7,000.00	88.38	91.38	6,165.96	-151.67	600.38	607.80	0.0	0.0	0.0	
7,100.00	88.38	91.38	6,168.79	-154.08	700.31	707.71	0.0	0.0	0.0	
7,200.00	88.38	91.38	6,171.61	-156.50	800.24	807.62	0.0	0.0	0.0	
7,300.00	88.38	91.38	6,174.43	-158.91	900.17	907.53	0.0	0.0	0.0	
7,400.00	88.38	91.38	6,177.25	-161.33	1,000.11	1,007.45	0.0	0.0	0.0	
7,500.00	88.38	91.38	6,180.08	-163.75	1,100.04	1,107.36	0.0	0.0	0.0	
7,600.00	88.38	91.38	6,182.90	-166.16	1,199.97	1,207.27	0.0	0.0	0.0	
7,700.00	88.38	91.38	6,185.72	-168.58	1,299.90	1,307.19	0.0	0.0	0.0	
7,800.00	88.38	91.38	6,188.54	-170.99	1,399.83	1,407.10	0.0	0.0	0.0	
7,900.00	88.38	91.38	6,191.37	-173.41	1,499.76	1,507.01	0.0	0.0	0.0	
8,000.00	88.38	91.38	6,194.19	-175.83	1,599.69	1,606.93	0.0	0.0	0.0	
8,100.00	88.38	91.38	6,197.01	-178.24	1,699.62	1,706.84	0.0	0.0	0.0	
8,200.00	88.38	91.38	6,199.83	-180.66	1,799.55	1,806.75	0.0	0.0	0.0	
8,300.00	88.38	91.38	6,202.66	-183.07	1,899.48	1,906.67	0.0	0.0	0.0	
8,400.00	88.38	91.38	6,205.48	-185.49	1,999.41	2,006.58	0.0	0.0	0.0	
8,500.00	88.38	91.38	6,208.30	-187.91	2,099.35	2,106.49	0.0	0.0	0.0	
8,600.00	88.38	91.38	6,211.12	-190.32	2,199.28	2,206.40	0.0	0.0	0.0	
8,700.00	88.38	91.38	6,213.94	-192.74	2,299.21	2,306.32	0.0	0.0	0.0	
8,800.00	88.38	91.38	6,216.77	-195.15	2,399.14	2,406.23	0.0	0.0	0.0	
8,900.00	88.38	91.38	6,219.59	-197.57	2,499.07	2,506.14	0.0	0.0	0.0	
9,000.00	88.38	91.38	6,222.41	-199.98	2,599.00	2,606.06	0.0	0.0	0.0	
9,100.00	88.38	91.38	6,225.23	-202.40	2,698.93	2,705.97	0.0	0.0	0.0	
9,200.00	88.38	91.38	6,228.06	-204.82	2,798.86	2,805.88	0.0	0.0	0.0	
9,300.00	88.38	91.38	6,230.88	-207.23	2,898.79	2,905.80	0.0	0.0	0.0	
9,400.00	88.38	91.38	6,233.70	-209.65	2,998.72	3,005.71	0.0	0.0	0.0	
9,500.00	88.38	91.38	6,236.52	-212.06	3,098.66	3,105.62	0.0	0.0	0.0	



Planning Report



Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well WAR HOUND 2 STATE COM
Company:	Cypress Natural Resources	TVD Reference:	18' KB @ 3483.00usft
Project:	Eddy County, NM (NAD 27)	MD Reference:	18' KB @ 3483.00usft
Site:	SEC 2, T-17-S, R-27-E	North Reference:	Grid
Well:	WAR HOUND 2 STATE COM	Survey Calculation Method:	Minimum Curvature
Wellbore:	ORIGINAL HOLE		
Design:	PRELIM #0		

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)	
9,600.00	88.38	91.38	6,239.35	-214.48	3,198.59	3,205.54	0.0	0.0	0.0	
9,700.00	88.38	91.38	6,242.17	-216.90	3,298.52	3,305.45	0.0	0.0	0.0	
9,800.00	88.38	91.38	6,244.99	-219.31	3,398.45	3,405.36	0.0	0.0	0.0	
9,900.00	88.38	91.38	6,247.81	-221.73	3,498.38	3,505.27	0.0	0.0	0.0	
10,000.00	88.38	91.38	6,250.64	-224.14	3,598.31	3,605.19	0.0	0.0	0.0	
10,100.00	88.38	91.38	6,253.46	-226.56	3,698.24	3,705.10	0.0	0.0	0.0	
10,200.00	88.38	91.38	6,256.28	-228.98	3,798.17	3,805.01	0.0	0.0	0.0	
10,300.00	88.38	91.38	6,259.10	-231.39	3,898.10	3,904.93	0.0	0.0	0.0	
10,400.00	88.38	91.38	6,261.92	-233.81	3,998.03	4,004.84	0.0	0.0	0.0	
10,500.00	88.38	91.38	6,264.75	-236.22	4,097.97	4,104.75	0.0	0.0	0.0	
10,600.00	88.38	91.38	6,267.57	-238.64	4,197.90	4,204.67	0.0	0.0	0.0	
10,700.00	88.38	91.38	6,270.39	-241.06	4,297.83	4,304.58	0.0	0.0	0.0	
10,800.00	88.38	91.38	6,273.21	-243.47	4,397.76	4,404.49	0.0	0.0	0.0	
10,863.29	88.38	91.38	6,275.00	-245.00	4,461.00	4,467.72	0.0	0.0	0.0	
PBHL @ 10863.29' MD										

Design Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude	
UMP - WAR HOUND 2 � - hit/miss target - Shape - Point	0.00	0.00	6,150.00	-138.00	35.00	678,246.00	524,199.00	32.864557	-104.254523	
LMP - WAR HOUND 2 � - plan hits target center - Point	0.00	0.00	6,275.00	-245.00	4,461.00	678,139.00	528,625.00	32.864253	-104.240108	

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
1,400.00	1,400.00	0.00	0.00	BUILD 2° DLG	
1,732.64	1,731.90	-5.47	-18.50	HOLD 6.65° INC, 253.52° AZM	
5,257.59	5,233.10	-121.32	-410.10	DROP 2° DLG	
5,590.23	5,565.00	-126.79	-428.60	HOLD 0° INC, 0° AZM	
5,697.96	5,672.73	-126.79	-428.60	BUILD 12° DLG	
6,434.48	6,150.00	-138.00	35.25	LAND 88.38° INC, 91.38° AZM	
10,863.29	6,275.00	-245.00	4,461.00	PBHL @ 10863.29' MD	

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District II
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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 124136

CONDITIONS

Operator: MR NM Operating LLC 5950 Berkshire Lane Dallas, TX 75225	OGRID: 330506
	Action Number: 124136
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
kpickford	Adhere to previous NMOCD Conditions of Approval	7/12/2022