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 1000 Rio Brazos Rd., Aztec, NM 87410
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 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

WELL API NO. 30-025-51166
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Norte State Com
8. Well Number 702H
9. OGRID Number 331595
10. Pool name or Wildcat [97467] REEVES; WOLFCAMP, SOUTH
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3847

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 Franklin Mountain Energy 3, LLC	
3. Address of Operator 44 Cook Street, Suite 1000, Denver, CO 80206	
4. Well Location Unit Letter <u>C</u> : <u>325</u> feet from the <u>N</u> line and <u>1995</u> feet from the <u>W</u> line Section <u>3</u> Township <u>19S</u> Range <u>35E</u> NMPM County <u>Lea</u>	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3847	

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.

Franklin Mountain Energy 3, LLC (FME3), Operator, respectfully requests approval to deepen TD of the Norte State Com 702H Pilot hole. The original proposed TD depth of 11,907' was expected to penetrate the top of the Devonian for the purpose of acquiring OH logs across the Woodford Shale and shallower formations for potential future development activity. During drilling operations and continued review of encountered formation tops, it is apparent we are seeing a steep down dipping trend to the southwest that has pushed the deeper formations deeper than originally anticipated during our planning stage.

At this time, we respectfully request approval to extend TD for this pilot hole to a proposed depth of 13,035' TVD and penetrate the top of the Devonian.

Please see attached 14 pt. plan, directional plan and geo progs for additional information.

Spud Date: 6/2/2023

Rig Release Date:

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

SIGNATURE Rachael Overbey TITLE Dir. Ops Planning & Regulatory DATE 6/15/2023

Type or print name Rachael Overbey E-mail address: roverbey@fmellc.com PHONE: 303-570-4057

For State Use Only

APPROVED BY: TITLE DATE

Conditions of Approval (if any):



Norte State Com 702H

1. Geologic name of surface location: Permian

2. Estimated tops of important geological markers:

Formations	PROG SS	PROG TVD	Picked TVD	delta	Potential/Issues
Cenozoic Alluvium (surface)	3,855'	30'	30'	0	Sand/Gravels/unconsolidated
Rustler	2,076'	1,809'	1,811'	2	Carbonates
Salado	1,841'	2,044'	2,064'	20	Salt, Carbonate & Clastics
Base Salt	924'	2,962'	3,400'	438	Shaley Carbonate & Shale
Yates	524'	3,362'	3,482'	120	Carbonate & Clastics
Seven Rivers	76'	3,810'	3,809'	-1	Sandstone - oil/gas/water
Queen	-684'	4,570'	4,570'	0	Sandstone - oil/gas/water
Cherry Canyon	-2,122'	6,007'	6,085'	78	Sand/carb/shales - oil/gas/water
Bone Spring Lime	-3,578'	7,463'	7,442'	-21	Shale/Carbonates - oil/gas
First Bone Spring Sand	-5,147'	9,033'	8,883'	-150	Shale/Carbonates - oil/gas
Second Bone Spring Carbonates	-5,413'	9,298'	9,288'	-10	Chert/Carbonate
Second Bone Spring Sand	-5,577'	9,462'	9,478'	16	Sandstone - oil/gas/water
Third Bone Spring Carbonates	-6,006'	9,891'	9,884'	-7	Shale/Carbonates - oil/gas
Third Bone Spring Sand	-6,084'	9,970'	9,987'	17	Sandstone - oil/gas/water
Wolfcamp	-6,242'	10,127'	10,219'	92	Overpressure shale/sand- oil/gas
Wolfcamp B	-6,383'	10,269'	10,706'	437	Overpressure Shale - oil/gas
Strawn	-7711	11,596'			Overpressure Shale - oil/gas
Mississippian Lime	-8339	12,224'			Overpressure Carbonate - oil/gas
Woodford Shale	-9019	12,904'			Overpressure Shale - oil/gas
Devonian	-9150	13,035'			Overpressure Carbonates- water

3. Estimated depth of anticipated fresh water, oil or gas:

Upper Permian Sands	0- 400'	Fresh Water
Delaware Sands	6,085'	Oil
1 st Bone Spring Sand	8,883'	Oil
2 nd Bone Spring Sand	9,478'	Oil
3 rd Bone Spring Sand	9,987'	Oil
Wolfcamp	10,219'	Oil
Wolfcamp B	10,706'	Oil
Strawn	11,596'	Oil
Mississippian Lime	12,224'	Oil
Woodford Shale	12,904'	Oil
Devonian	13,035'	Oil

No other formations are expected to give up oil, gas or fresh water in measurable quantities. Surface freshwater sands will be protected by setting 13 3/8" casing at 1,900' and circulating cement back to surface.

4. Casing Program:

All casing strings will be run new.



Casing string	Weight	Grade	Burst	Collapse	Tension	Conn	Length	API design factor			
								Burst	Collapse	Tension	Coupling
Surface 13 3/8" 0-1,900'	54.5	J-55	2730	1130	853	BTC 909	1900	1.02	1.14	4.19	4.47
Intermediate 9 5/8" 0-9,080'	40	HCL-80	7430	4230	916	BTC 1042	9080	1.19	1.00	1.98	2.25
Production 7" 0-9,800'	32	HCP-110	12460	10760	1025	CDC-HTQ 1053	9800	2.04	2.35	2.48	2.55
Production 5 1/2" 9,800'-20,632'	20	HCP-110	12640	12200	641	CDC-HTQ 667 TVD	10832 10475	1.15	2.41	2.02	2.11 2.16

Tapered production string will be ran with a X-over installed at the KOP of 9,800'.

Cementing Program:

Cementing Stage tool will be placed in the 1st Intermediate string to ensure required TOC to surface. To increase efficiency of drilling operations and minimize disturbance of the area the batch-drilling approach will be used.

Off-line cementing may be utilized for Surface and Intermediate strings to further optimization of drilling process and reduction of disturbance.

String Type	Hole Size	Casing Size	Setting Depth	Sacks	Type of cmt	Lead Yield ft ³ /sk	Water gal/sk	TOC ft	Sacks	Type of cmt	Tail Yield ft ³ /sk	Water gal/sk	TOC	Excess
Surf	17.5	13.375	1900	1016	85:15 Compass Poz, 12.8 ppg Class C, 5%Gel, 3#/sk Kol Seal, 4.64#/sk Salt	2.05	11.12	0	441	Tail, 14.8 ppg, 100% Class C, 1%CaCl ₂ , 0.1%	1.34	6.35	1500	100%
Int St 1	12.25	9.625	9080	1075	Lead, 11.3 ppg, HSLD 82 10% Gel, 4%STE, 2#/sk, Gyp Seal	2.74	16.31	4000	203	Econolite Tail, 14.8 ppg, 100% Class C, 0.08% C-51	1.33	6.33	8680	100%
Int St 2	12.25	9.625	4000	732	Lead, 11.3 ppg, HSLD 82 10% Gel, 4%STE, 2#/sk, Gyp Seal	2.74	16.31	0						100%
Pilot Hole Plug 1	8.75	NA	13078	375	100% Class H Premium, .08% C-51 Susp Agent, .1% Citric Acid	1.18	5.23	12078						5%
Pilot Hole Plug 2	8.75	NA	12078	375	100% Class H Premium, .06% C-51 Susp Agent, .1% Citric Acid	1.18	5.23	11078						5%



Pilot Hole Plug 3	8.75	NA	11078	375	100% Class H Premium, .06% C-51 Susp Agent, .1% Citric Acid	1.18	5.23	10078					5%	
Kickoff Plug 2	8.75	NA	10078	245	100% Class H Premium, .6 % C-37 Disp/FR, .3% C-23 HT Retarder	.89	3.02	9578					5%	
Prod	8.75	7	0-9800	94	HSLD 9420, 10.5 ppg, Class C, 1#/sk Salt, 4% STE 1% C-45	3.99	25.51	8080					100%	
Prod	8.75	5.5	9800-20632						2703	HSLD 80, 13.ppg , 32#/sk Salt, 4% STE, 1#/sk Gyp Seal	1.52	7.59	9800	50%

5. Minimum Specifications for Pressure Control:

The minimum blowout preventer equipment (BOPE) shown in Exhibit #1 will consist of a single ram, mud cross and double ram-type (10,000 psi WP) preventer and an annular preventer (5,000-psi WP). Both units will be hydraulically operated, and the ram-type will be equipped with blind rams on bottom and 4 ½" x 7" variable pipe rams on top. All BOPE will be tested in accordance with Onshore Oil & Gas order No. 2.

Before drilling out of the surface casing, the ram-type BOP and accessory equipment will be tested to 5,000/250 psig and the annular preventer to 5,000/250 psig. The surface casing will be tested to 1500 psi for 30 minutes.

Before drilling out of the intermediate casing, the ram-type BOP and accessory equipment will be tested to 10,000/250 psig and the annular preventer to 5,000/250 psig.

Pipe rams will be operationally checked each 24-hour period. Blind rams will be operationally checked on each trip out of the hole. These checks will be noted on the daily tour sheets.

A hydraulically operated choke will be installed prior to drilling out of the intermediate casing shoe.

6. Types and characteristics of the proposed mud system:

During this procedure we plan to use a Closed-Loop System and haul contents to the required disposal. The applicable depths and properties of the drilling fluid systems are as follows.

Depth	Type	Weight (ppg)	Viscosity	Water Loss
0 – 1,900'	Fresh - Gel	8.6-8.8	28-34	N/c
1,900' – 9,080'	Brine	8.8-10.2	28-34	N/c
9,080' – 20,632'	Oil Base	9.0-11.0	58-68	3 - 6
Lateral				



The highest mud weight needed to balance formation is expected to be 10-12 ppg. In order to maintain hole stability, mud weights up to 13.5 ppg may be utilized.

An electronic pit volume totalizer (PVT) will be utilized on the circulating system, to monitor pit volume, flow rate, pump pressure and stroke rate.

Sufficient mud materials to maintain mud properties and meet minimum lost circulation and weight increase requirements will be kept at the wellsite at all times.

7. Auxiliary well control and monitoring equipment:

(A) A kelly cock will be kept in the drill string at all times.

(B) A full opening drill pipe-stabbing valve (inside BOP) with proper drill pipe connections will be on the rig floor at all times.

(C) H₂S monitoring and detection equipment will be utilized from surface casing point to TD.

(D) A wear bushing will be installed in the wellhead prior to drilling out of the surface casing.

8. Logging, testing and coring program:

GR—CCL—CNL Will be run in cased hole during completions phase of operations.

Open-hole logs are not planned for this well.

9. Abnormal conditions, pressures, temperatures and potential hazards:

The estimated bottom-hole temperature at 13,035' TVD (deepest point of the well) is 185F with an estimated maximum bottom-hole pressure (BHP) at the same point of 9,150 psig (based on 13.5 ppg MW). Hydrogen Sulfide may be present in the area. All necessary precautions will be taken before drilling operations commence. See Hydrogen Sulfide Plan below:

10. Hydrogen Sulfide Plan:

- A. All personnel shall receive proper awareness H₂S training.
- B. Briefing Area: two perpendicular areas will be designated by signs and readily accessible.
- C. Required Emergency Equipment
 - a. Well Control Equipment
 - i. Flare line 150' from wellhead to be ignited by auto ignition sparking system.
 - ii. Choke manifold with a remotely operated hydraulic choke.
 - iii. Mud/gas separator
 - b. Protective equipment for essential personnel
 - i. Breathing Apparatus
 - 1. Rescue packs (SCBA) – 1 unit shall be placed at each briefing area, 2 shall be stored in a safety trailer on site.
 - 2. Work/Escapes packs – 4 packs shall be stored on the rig floor with sufficient air hose not to restrict work activity
 - 3. Emergency Escape Packs – 4 packs shall be stored in the doghouse for emergency evacuation.
 - ii. Auxiliary Rescue Equipment
 - 1. Stretcher
 - 2. Two OSHA full body harnesses
 - 3. 100 feet of 5/8 inches OSHA approved rope
 - 4. 1-20# class ABC fire extinguisher
 - c. H₂S Detection and Monitoring Equipment



- i. A stationary detector with three sensors will be placed in the doghouse if equipped, set to visually alarm at 10 ppm and audible at 14 ppm. The detector will be calibrated a minimum of every 30 days or as needed. The sensors will be placed in the following places:
 - 1. Rig Floor
 - 2. Below Rig Floor / Near BOPs
 - 3. End of flow line or where well bore fluid is being discharged (near shakers)
 - ii. If H2S is encountered, measured values and formations will be provided to the BLM.
- d. Visual Warning Systems
 - i. One color code condition sign will be placed at the entrance to the site reflecting the possible conditions at the site.
 - ii. A colored condition flag will be on display, reflecting the current condition at the site at the time.
 - iii. Two windsocks will be placed in strategic locations, visible from all angles.
- e. Mud Program
 - i. The Mud program will be designed to minimize the volume of H2S circulated to surface. The operator will have the necessary mud products to minimize hazards while drilling in H2S bearing zones.
- f. Metallurgy
 - i. All drill strings, casings, tubing, wellhead, blowout preventer, drilling spool, kill lines, choke manifold and lines, and valves shall be suitable for H2S service at the anticipated operating pressures to prevent sour sulfide stress cracking.
- g. Communication
 - i. Communication will be via cell phones and walkie talkies on location.

Based on concentrations of offset wells, proximity to main roads, and distance to populated areas, the radius of exposure created by a potential release was determined to be minimal and low enough to not necessitate an H2S contingency plan. This will be reevaluated during wellbore construction if H2S is observed and after the well is on production.

11. Anticipated starting date and duration of operations:

The drilling operations on the well should be finished in approximately one month. However, in order to minimize disturbance in the area and to improve efficiency Franklin Mountain is planning to drill all the wells on the pad prior to commence completion operations. To even further reduce the time heavy machinery is used the "batch drilling" method may be used. A batch drilling sequence sundry will be submitted for State approval prior to spud. A drilling rig with walking/skidding capabilities will be used.

12. Disposal/environmental concerns:

- (A) Drilled cuttings will be hauled to and disposed of in a state-certified disposal site.
- (B) Non-hazardous waste mud/cement from the drilling process will also be hauled to and disposed of in a state-certified disposal site.
- (C) Garbage will be hauled to the Pecos City Landfill.
- (D) Sewage (grey water) will be hauled to the Carlsbad City Landfill



13. Wellhead:

A multi-bowl wellhead system will be utilized.

After running the 13 3/8" surface casing, a 13-5/8" BOP/BOPE system with a minimum working pressure of 10,000 psi will be installed on the wellhead system and will be pressure tested to 250 psi low followed by a 5,000 psi pressure test. This pressure test will be repeated at least every 21 days.

The minimum working pressure of the BOP and related BOPE required for drilling below the surface casing shoe shall be 5,000 psi.

The wellhead will be installed by a third party welder while being monitored by WH vendor's representative.

All BOP equipment will be tested utilizing a conventional test plug. Not a cup or J-packer type.

A solid steel body pack-off will be utilized after running and cementing the intermediate casing string. After installation of the first intermediate string the pack-off and lower flanges will be pressure tested to 5000 psi.

Both the surface and intermediate casing strings will be tested as per NMOCD Rules to the one-third of manufacture's rated yield pressure, no less than 600 psi, but not greater than 1,500 psi.

14. Additional variance requests

A. Casing.

- h. Variance is requested to wave/reduce the centralizer requirements for the 7" and 5 1/2" production casing due to the tight clearance with 8 3/4" hole.



FME 3

**Lea Co., NM (NAD-83)
Eagle Norte Mega Pad
Norte State Com 702H**

Pilot Hole

Plan: Plan #4

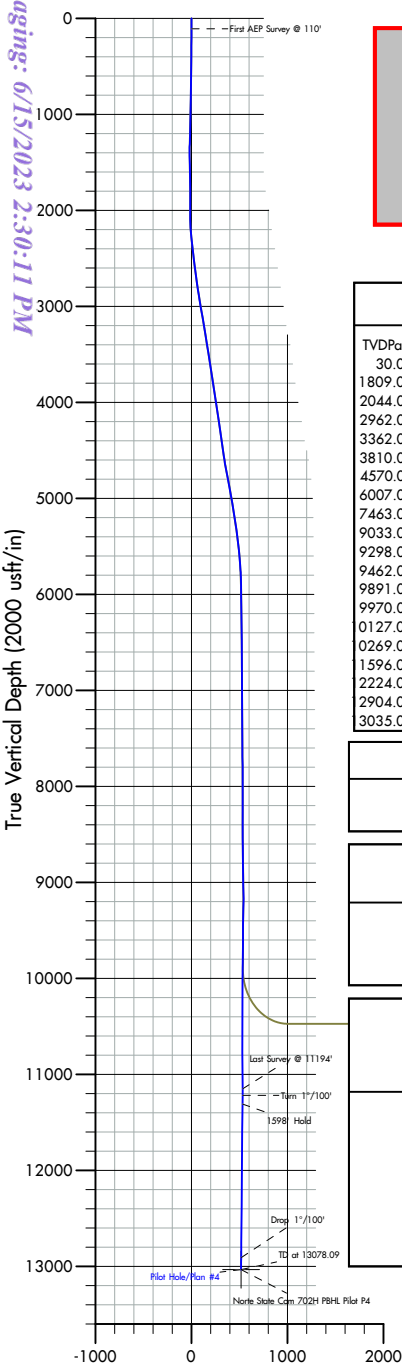
Standard Planning Report

15 June, 2023





Project: Lea Co., NM (NAD-83)
Site: Eagle Norte Mega Pad
Well: Norte State Com 702H
Wellbore: Pilot Hole
Design: Plan #4
Lat: 32.695728
Long: -103.447311
GL: 3855.00
KB: KB=25' @ 3880.00usft (H&P 602)



Azimuths to Grid North
True North: -0.48°
Magnetic North: 5.71°

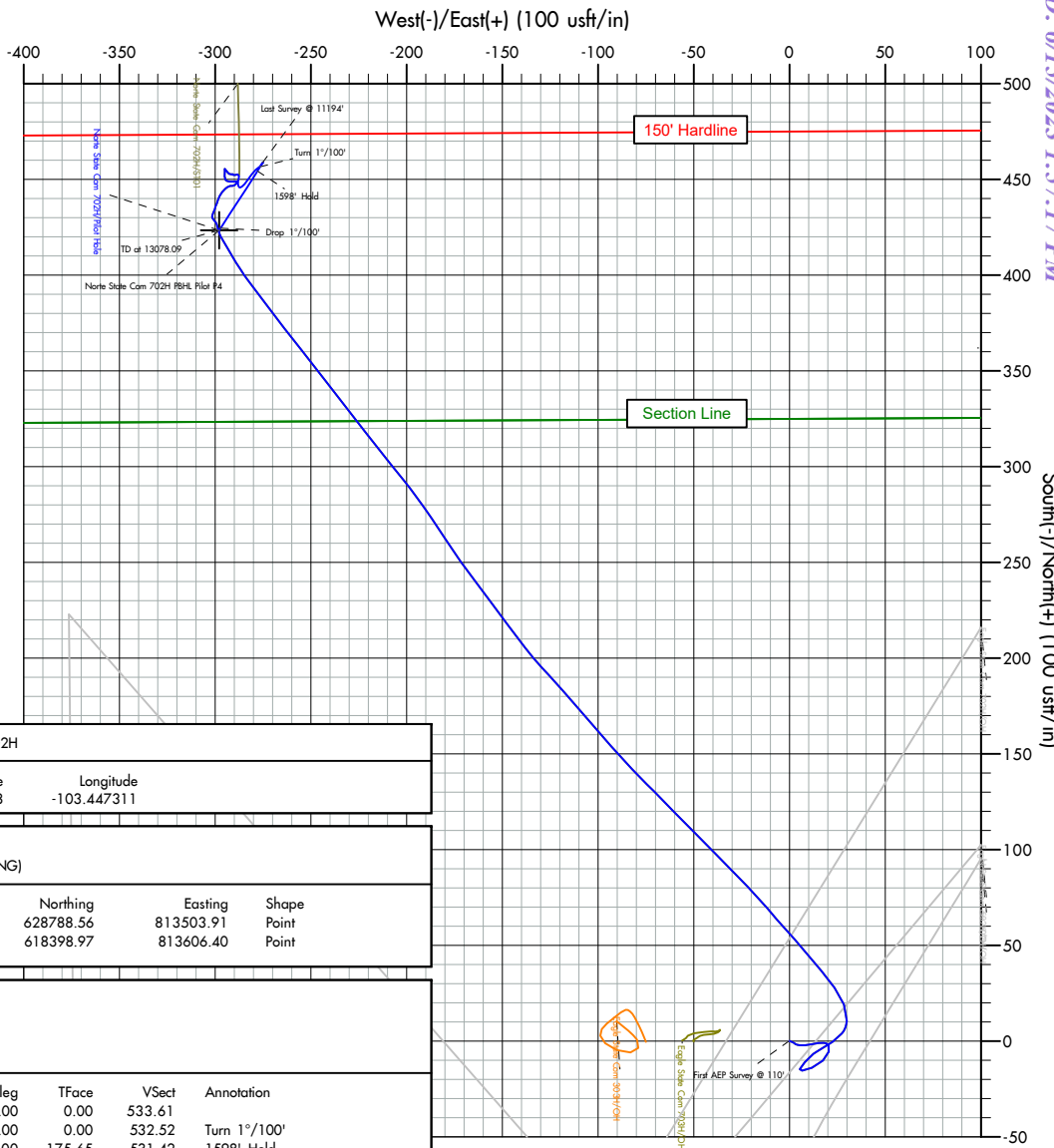
Magnetic Field
Strength: 47621.1nT
Dip Angle: 60.50°
Date: 5/18/2023
Model: HRGM

FORMATION TOPS		
TVDPATH	MDPATH	FORMATION
30.00	30.00	Cenozoic Alluvium (surface)
1809.00	1810.31	Rustler
2044.00	2045.80	Salado
2962.00	2970.64	Base Salt
3362.00	3376.49	Yates
3810.00	3830.09	Seven Rivers
4570.00	4598.37	Queen
6007.00	6048.79	Cherry Canyon
7463.00	7504.88	Bone Spring Lime
9033.00	9075.11	First Bone Spring Sand
9298.00	9340.17	Second Bone Spring Carbonates
9462.00	9504.20	Second Bone Spring Sand
9891.00	9933.23	Third Bone Spring Carbonates
9970.00	10012.26	Third Bone Spring Sand
10127.00	10169.29	Wolfcamp
10269.00	10311.30	Wolfcamp B
11596.00	11638.75	Strawn
12224.00	12266.91	Mississippian Lime
12904.00	12947.08	Woodford Shale
13035.00	13078.09	Devonian

WELL DETAILS: Norte State Com 702H						
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	
0.00	0.00	617975.56	813904.25	32.695728	-103.447311	

WELLBORE TARGET DETAILS (LAT/LONG)						
Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
Norte State Com 702H PBHL P4	10475.00	10813.00	-400.34	628788.56	813503.91	Point
Norte State Com 702H PBHL Pilot P4	13035.00	423.41	-297.85	618398.97	813606.40	Point

SECTION DETAILS										
MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Annotation	
11194.00	2.17	209.88	11151.41	458.87	-275.12	0.00	0.00	533.61		
11262.00	2.17	209.88	11219.36	456.64	-276.40	0.00	0.00	532.52	Turn 1°/100'	
11352.45	1.27	212.97	11309.77	454.32	-277.80	1.00	175.65	531.42	1598' Hold	
12951.09	1.27	212.97	12908.02	424.59	-297.08	0.00	0.00	518.20	Drop 1°/100'	
13078.09	0.00	0.00	13035.00	423.41	-297.85	1.00	180.00	517.68	TD at 13078.09	





Altitude Energy Partners

Planning Report



Database:	DM Local	Local Co-ordinate Reference:	Well Norte State Com 702H
Company:	FME 3	TVD Reference:	KB=25' @ 3880.00usft (H&P 602)
Project:	Lea Co., NM (NAD-83)	MD Reference:	KB=25' @ 3880.00usft (H&P 602)
Site:	Eagle Norte Mega Pad	North Reference:	Grid
Well:	Norte State Com 702H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Pilot Hole		
Design:	Plan #4		

Project	Lea Co., NM (NAD-83)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site		Eagle Norte Mega Pad			
Site Position:		Northing:	617,975.17 usft	Latitude:	32.695729
From:	Map	Easting:	813,829.26 usft	Longitude:	-103.447555
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "		

Well	Norte State Com 702H					
Well Position	+N/-S	0.00 usft	Northing:	617,975.56 usft	Latitude:	32.695728
	+E/-W	0.00 usft	Easting:	813,904.25 usft	Longitude:	-103.447311
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,855.00 usft
Grid Convergence:		0.48 °				

Wellbore	Pilot Hole				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HRGM	5/18/2023	6.19	60.50	47,621.09303642

Design	Plan #4			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	11,194.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	324.88

Plan Survey Tool Program	Date	6/15/2023		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1 110.00	11,194.00	MWD Survey (Pilot Hole)	MWD+HDGM	
			OWSG MWD + HRGM	
2 11,194.00	13,078.09	Plan #4 (Pilot Hole)	MWD+HDGM	
			OWSG MWD + HRGM	

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
11,194.00	2.17	209.88	11,151.41	458.87	-275.12	0.00	0.00	0.00	0.00	
11,262.00	2.17	209.88	11,219.36	456.64	-276.40	0.00	0.00	0.00	0.00	
11,352.45	1.27	212.97	11,309.77	454.32	-277.80	1.00	-0.99	3.42	175.65	
12,951.10	1.27	212.97	12,908.02	424.59	-297.08	0.00	0.00	0.00	0.00	
13,078.09	0.00	0.00	13,035.00	423.41	-297.85	1.00	-1.00	0.00	180.00	Norte State Com 702H



Altitude Energy Partners

Planning Report



Database:	DM Local	Local Co-ordinate Reference:	Well Norte State Com 702H
Company:	FME 3	TVD Reference:	KB=25' @ 3880.00usft (H&P 602)
Project:	Lea Co., NM (NAD-83)	MD Reference:	KB=25' @ 3880.00usft (H&P 602)
Site:	Eagle Norte Mega Pad	North Reference:	Grid
Well:	Norte State Com 702H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Pilot Hole		
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
110.00	0.27	291.41	110.00	0.09	-0.24	0.22	0.25	0.25	0.00
199.00	0.56	92.71	199.00	0.15	0.00	0.12	0.92	0.33	181.24
288.00	0.52	133.76	287.99	-0.15	0.72	-0.54	0.43	-0.04	46.12
377.00	0.38	97.87	376.99	-0.47	1.31	-1.14	0.35	-0.16	-40.33
446.00	0.89	117.99	445.99	-0.75	2.01	-1.77	0.80	0.74	29.16
536.00	0.71	132.11	535.98	-1.45	3.04	-2.94	0.30	-0.20	15.69
624.00	0.82	94.62	623.97	-1.87	4.07	-3.87	0.57	0.13	-42.60
712.00	1.15	108.39	711.96	-2.20	5.54	-4.98	0.46	0.38	15.65
802.00	2.17	79.94	801.92	-2.19	8.07	-6.43	1.42	1.13	-31.61
892.00	2.68	79.72	891.84	-1.51	11.82	-8.04	0.57	0.57	-0.24
982.00	1.68	81.51	981.77	-0.94	15.19	-9.51	1.11	-1.11	1.99
1,071.00	1.95	94.26	1,070.73	-0.86	18.00	-11.06	0.54	0.30	14.33
1,161.00	1.80	143.07	1,160.69	-2.11	20.37	-13.44	1.73	-0.17	54.23
1,250.00	3.03	196.91	1,249.62	-5.48	20.53	-16.29	2.75	1.38	60.49
1,339.00	4.38	225.24	1,338.44	-10.12	17.43	-18.30	2.51	1.52	31.83
1,434.00	4.05	248.98	1,433.19	-13.88	11.72	-18.09	1.86	-0.35	24.99
1,528.00	2.41	262.91	1,527.03	-15.31	6.66	-16.36	1.92	-1.74	14.82
1,622.00	1.40	34.31	1,621.01	-14.61	5.35	-15.02	3.72	-1.07	139.79
1,717.00	3.91	36.54	1,715.90	-11.05	7.93	-13.60	2.64	2.64	2.35
1,811.00	3.86	54.46	1,809.69	-6.63	12.41	-12.57	1.29	-0.05	19.06
1,843.00	3.50	62.91	1,841.62	-5.56	14.16	-12.69	2.03	-1.13	26.41
1,997.00	3.81	53.69	1,995.31	-0.39	22.47	-13.25	0.43	0.20	-5.99
2,092.00	4.16	42.74	2,090.08	4.01	27.35	-12.46	0.88	0.37	-11.53
2,186.00	5.02	4.26	2,183.80	10.62	29.97	-8.56	3.33	0.91	-40.94
2,280.00	5.88	337.21	2,277.39	19.16	28.41	-0.68	2.85	0.91	-28.78
2,374.00	6.43	324.76	2,370.85	27.90	23.51	9.29	1.53	0.59	-13.24
2,469.00	6.63	319.79	2,465.23	36.43	16.90	20.07	0.63	0.21	-5.23
2,563.00	6.39	320.27	2,558.63	44.60	10.05	30.69	0.26	-0.26	0.51
2,657.00	7.87	318.08	2,651.90	53.41	2.41	42.30	1.60	1.57	-2.33
2,751.00	8.55	318.53	2,744.94	63.43	-6.52	55.63	0.73	0.72	0.48
2,845.00	8.23	319.06	2,837.93	73.75	-15.56	69.27	0.35	-0.34	0.56
2,940.00	9.52	315.60	2,931.79	84.50	-25.51	83.79	1.47	1.36	-3.64
2,970.64	9.80	315.49	2,962.00	88.17	-29.11	88.86	0.91	0.90	-0.35
Base Salt									
3,034.00	10.37	315.29	3,024.38	96.07	-36.90	99.80	0.91	0.90	-0.32
3,128.00	10.08	315.10	3,116.88	107.91	-48.66	116.25	0.31	-0.31	-0.20
3,222.00	9.64	315.70	3,209.50	119.37	-59.96	132.13	0.48	-0.47	0.64
3,316.00	9.09	315.72	3,302.24	130.32	-70.64	147.23	0.59	-0.59	0.02
3,376.49	8.80	315.42	3,362.00	137.03	-77.23	156.51	0.49	-0.48	-0.50
Yates									
3,411.00	8.63	315.24	3,396.11	140.75	-80.90	161.67	0.49	-0.48	-0.52
3,505.00	9.29	319.03	3,488.96	151.49	-90.84	176.17	0.94	0.70	4.03
3,599.00	9.70	319.06	3,581.67	163.20	-101.01	191.59	0.44	0.44	0.03
3,693.00	8.94	318.85	3,674.43	174.68	-111.00	206.74	0.81	-0.81	-0.22
3,787.00	8.36	317.81	3,767.36	185.24	-120.40	220.78	0.64	-0.62	-1.11
3,830.09	8.17	317.87	3,810.00	189.83	-124.55	226.93	0.44	-0.44	0.13
Seven Rivers									
3,881.00	7.95	317.94	3,860.41	195.13	-129.34	234.02	0.44	-0.44	0.14
3,975.00	8.82	321.50	3,953.41	205.60	-138.18	247.66	1.08	0.93	3.79
4,070.00	9.11	323.94	4,047.25	217.38	-147.14	262.45	0.50	0.31	2.57
4,164.00	8.64	323.27	4,140.12	229.05	-155.75	276.95	0.51	-0.50	-0.71
4,258.00	8.09	322.81	4,233.12	239.98	-163.97	290.62	0.59	-0.59	-0.49



Altitude Energy Partners

Planning Report



Database:	DM Local	Local Co-ordinate Reference:	Well Norte State Com 702H
Company:	FME 3	TVD Reference:	KB=25' @ 3880.00usft (H&P 602)
Project:	Lea Co., NM (NAD-83)	MD Reference:	KB=25' @ 3880.00usft (H&P 602)
Site:	Eagle Norte Mega Pad	North Reference:	Grid
Well:	Norte State Com 702H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Pilot Hole		
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)
4,352.00	8.15	324.44	4,326.18	250.67	-171.84	303.89	0.25	0.06	1.73
4,447.00	8.42	327.06	4,420.19	261.98	-179.54	317.58	0.49	0.28	2.76
4,541.00	7.96	325.70	4,513.23	273.14	-186.95	330.96	0.53	-0.49	-1.45
4,598.37	8.61	324.30	4,570.00	279.91	-191.69	339.23	1.19	1.14	-2.44
Queen									
4,635.00	9.03	323.51	4,606.20	284.45	-195.00	344.84	1.19	1.14	-2.15
4,729.00	11.29	321.02	4,698.72	297.53	-205.18	361.40	2.45	2.40	-2.65
4,823.00	10.62	321.78	4,791.00	311.49	-216.33	379.23	0.73	-0.71	0.81
4,917.00	10.03	321.77	4,883.48	324.72	-226.75	396.05	0.63	-0.63	-0.01
5,012.00	9.51	322.53	4,977.10	337.45	-236.64	412.16	0.56	-0.55	0.80
5,106.00	9.21	322.39	5,069.85	349.57	-245.96	427.43	0.32	-0.32	-0.15
5,200.00	8.82	321.30	5,162.69	361.16	-255.06	442.14	0.45	-0.41	-1.16
5,294.00	8.51	322.39	5,255.62	372.29	-263.81	456.28	0.37	-0.33	1.16
5,389.00	8.34	322.84	5,349.59	383.35	-272.26	470.19	0.19	-0.18	0.47
5,483.00	7.91	322.81	5,442.65	393.94	-280.28	483.46	0.46	-0.46	-0.03
5,577.00	5.44	326.68	5,536.00	402.81	-286.64	494.38	2.67	-2.63	4.12
5,672.00	4.25	330.04	5,630.66	409.63	-290.87	502.39	1.29	-1.25	3.54
5,766.00	4.55	328.96	5,724.39	415.84	-294.54	509.58	0.33	0.32	-1.15
5,860.00	1.54	332.85	5,818.24	420.16	-297.04	514.55	3.21	-3.20	4.14
5,955.00	0.67	347.44	5,913.22	421.84	-297.74	516.33	0.96	-0.92	15.36
6,048.79	1.05	339.01	6,007.00	423.17	-298.17	517.67	0.43	0.40	-8.99
Cherry Canyon									
6,049.00	1.05	339.00	6,007.21	423.18	-298.17	517.67	0.43	0.41	-5.71
6,143.00	0.85	349.26	6,101.20	424.67	-298.61	519.14	0.28	-0.21	10.91
6,238.00	0.92	346.27	6,196.19	426.10	-298.92	520.49	0.09	0.07	-3.15
6,321.00	0.83	323.97	6,279.18	427.23	-299.43	521.71	0.42	-0.11	-26.87
6,416.00	0.46	318.88	6,374.17	428.08	-300.09	522.78	0.39	-0.39	-5.36
6,510.00	0.45	317.84	6,468.17	428.63	-300.58	523.52	0.01	-0.01	-1.11
6,604.00	0.40	333.24	6,562.17	429.20	-300.98	524.21	0.13	-0.05	16.38
6,698.00	0.45	320.12	6,656.16	429.78	-301.36	524.91	0.12	0.05	-13.96
6,792.00	0.43	9.43	6,750.16	430.41	-301.54	525.53	0.39	-0.02	52.46
6,887.00	0.41	359.55	6,845.16	431.10	-301.49	526.06	0.08	-0.02	-10.40
6,981.00	0.61	31.87	6,939.16	431.86	-301.22	526.53	0.36	0.21	34.38
7,075.00	0.77	16.87	7,033.15	432.89	-300.78	527.12	0.26	0.17	-15.96
7,169.00	0.63	26.85	7,127.14	433.96	-300.36	527.75	0.20	-0.15	10.62
7,264.00	0.66	11.61	7,222.14	434.96	-300.01	528.37	0.18	0.03	-16.04
7,358.00	0.52	23.97	7,316.13	435.88	-299.73	528.96	0.20	-0.15	13.15
7,452.00	0.63	26.41	7,410.13	436.73	-299.33	529.42	0.12	0.12	2.60
7,504.88	0.64	20.84	7,463.00	437.27	-299.09	529.73	0.12	0.02	-10.53
Bone Spring Lime									
7,547.00	0.65	16.55	7,505.12	437.71	-298.94	530.01	0.12	0.03	-10.19
7,641.00	0.80	17.06	7,599.11	438.85	-298.60	530.74	0.16	0.16	0.54
7,735.00	0.76	17.91	7,693.10	440.07	-298.21	531.52	0.04	-0.04	0.90
7,829.00	1.09	32.72	7,787.09	441.42	-297.54	532.23	0.43	0.35	15.76
7,924.00	1.22	31.81	7,882.07	443.04	-296.52	532.97	0.14	0.14	-0.96
8,018.00	1.20	48.11	7,976.05	444.55	-295.26	533.47	0.37	-0.02	17.34
8,112.00	1.37	50.25	8,070.03	445.92	-293.66	533.68	0.19	0.18	2.28
8,207.00	0.79	86.21	8,165.01	446.69	-292.13	533.43	0.91	-0.61	37.85
8,301.00	0.69	100.68	8,259.00	446.63	-290.93	532.69	0.22	-0.11	15.39
8,395.00	0.84	50.35	8,353.00	446.96	-289.84	532.34	0.71	0.16	-53.54
8,489.00	1.21	38.32	8,446.98	448.18	-288.70	532.67	0.45	0.39	-12.80
8,584.00	0.78	271.73	8,541.97	448.99	-288.72	533.35	1.88	-0.45	-133.25
8,679.00	1.40	262.05	8,636.96	448.85	-290.52	534.27	0.68	0.65	-10.19



Altitude Energy Partners

Planning Report



Database:	DM Local	Local Co-ordinate Reference:	Well Norte State Com 702H
Company:	FME 3	TVD Reference:	KB=25' @ 3880.00usft (H&P 602)
Project:	Lea Co., NM (NAD-83)	MD Reference:	KB=25' @ 3880.00usft (H&P 602)
Site:	Eagle Norte Mega Pad	North Reference:	Grid
Well:	Norte State Com 702H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Pilot Hole		
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)
8,773.00	1.10	280.70	8,730.94	448.86	-292.54	535.44	0.53	-0.32	19.84
8,867.00	0.74	291.37	8,824.92	449.25	-293.99	536.59	0.42	-0.38	11.35
8,926.00	0.91	330.05	8,883.92	449.79	-294.58	537.37	0.97	0.29	65.56
9,027.00	1.32	355.15	8,984.90	451.64	-295.08	539.18	0.62	0.41	24.85
9,075.12	1.37	2.40	9,033.00	452.77	-295.10	540.11	0.37	0.11	15.07
First Bone Spring Sand									
9,121.00	1.44	8.74	9,078.87	453.89	-294.99	540.96	0.37	0.15	13.81
9,215.00	0.60	345.30	9,172.86	455.53	-294.94	542.28	0.98	-0.89	-24.94
9,310.00	1.65	151.11	9,267.85	454.82	-294.40	541.38	2.35	1.11	174.54
9,340.17	1.56	142.44	9,298.00	454.11	-293.94	540.54	0.86	-0.31	-28.75
Second Bone Spring Carbonates									
9,404.00	1.49	121.75	9,361.81	452.99	-292.71	538.91	0.86	-0.10	-32.41
9,498.00	0.52	53.03	9,455.80	452.60	-291.33	537.80	1.48	-1.03	-73.11
9,504.20	0.49	54.90	9,462.00	452.64	-291.29	537.81	0.60	-0.54	30.09
Second Bone Spring Sand									
9,592.00	0.24	141.94	9,549.80	452.70	-290.87	537.62	0.60	-0.28	99.14
9,686.00	0.32	134.07	9,643.80	452.37	-290.56	537.17	0.09	0.09	-8.37
9,780.00	0.77	87.32	9,737.79	452.21	-289.74	536.57	0.64	0.48	-49.73
9,875.00	1.27	67.02	9,832.78	452.65	-288.13	536.01	0.64	0.53	-21.37
9,933.23	0.91	164.09	9,891.00	452.46	-287.41	535.43	2.84	-0.61	166.70
Third Bone Spring Carbonates									
9,969.00	1.75	190.35	9,926.76	451.65	-287.43	534.78	2.84	2.34	73.42
10,012.26	1.54	190.98	9,970.00	450.43	-287.66	533.91	0.49	-0.49	1.45
Third Bone Spring Sand									
10,063.00	1.29	191.97	10,020.73	449.20	-287.91	533.05	0.49	-0.49	1.96
10,158.00	0.72	172.95	10,115.71	447.56	-288.06	531.80	0.69	-0.60	-20.02
10,169.29	0.70	170.72	10,127.00	447.43	-288.04	531.67	0.29	-0.16	-19.79
Wolfcamp									
10,252.00	0.61	151.01	10,209.71	446.54	-287.74	530.78	0.29	-0.11	-23.82
10,311.30	0.44	147.21	10,269.00	446.07	-287.46	530.24	0.28	-0.28	-6.40
Wolfcamp B									
10,346.00	0.35	143.34	10,303.70	445.87	-287.33	530.00	0.28	-0.27	-11.16
10,440.00	0.44	70.56	10,397.70	445.76	-286.82	529.61	0.50	0.10	-77.43
10,534.00	0.83	57.54	10,491.70	446.25	-285.90	529.48	0.44	0.41	-13.85
10,628.00	1.44	37.54	10,585.68	447.55	-284.61	529.80	0.76	0.65	-21.28
10,723.00	1.91	36.26	10,680.64	449.77	-282.94	530.66	0.50	0.49	-1.35
10,817.00	2.23	35.31	10,774.57	452.53	-280.96	531.78	0.34	0.34	-1.01
10,911.00	1.89	47.10	10,868.51	455.08	-278.77	532.60	0.58	-0.36	12.54
11,005.00	1.69	56.60	10,962.47	456.89	-276.47	532.77	0.38	-0.21	10.11
11,099.00	1.81	21.52	11,056.43	459.04	-274.77	533.54	1.13	0.13	-37.32
11,194.00	2.17	209.88	11,151.41	458.87	-275.12	533.61	4.18	0.38	-180.67
11,200.00	2.17	209.88	11,157.40	458.68	-275.23	533.51	0.00	0.00	0.00
11,262.00	2.17	209.88	11,219.36	456.64	-276.40	532.52	0.00	0.00	0.00
Turn 1°/100'									
11,300.00	1.79	210.80	11,257.34	455.51	-277.06	531.97	1.00	-1.00	2.42
11,352.45	1.27	212.97	11,309.77	454.32	-277.80	531.42	1.00	-0.99	4.14
1598' Hold									
11,400.00	1.27	212.97	11,357.31	453.43	-278.37	531.03	0.00	0.00	0.00
11,500.00	1.27	212.97	11,457.28	451.57	-279.58	530.20	0.00	0.00	0.00
11,600.00	1.27	212.97	11,557.26	449.71	-280.79	529.37	0.00	0.00	0.00
11,638.75	1.27	212.97	11,596.00	448.99	-281.25	529.05	0.00	0.00	0.00
Strawn									
11,700.00	1.27	212.97	11,657.23	447.85	-281.99	528.55	0.00	0.00	0.00



Altitude Energy Partners

Planning Report



Database:	DM Local	Local Co-ordinate Reference:	Well Norte State Com 702H
Company:	FME 3	TVD Reference:	KB=25' @ 3880.00usft (H&P 602)
Project:	Lea Co., NM (NAD-83)	MD Reference:	KB=25' @ 3880.00usft (H&P 602)
Site:	Eagle Norte Mega Pad	North Reference:	Grid
Well:	Norte State Com 702H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Pilot Hole		
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)
11,800.00	1.27	212.97	11,757.21	445.99	-283.20	527.72	0.00	0.00	0.00
11,900.00	1.27	212.97	11,857.18	444.13	-284.41	526.89	0.00	0.00	0.00
12,000.00	1.27	212.97	11,957.16	442.28	-285.61	526.07	0.00	0.00	0.00
12,100.00	1.27	212.97	12,057.13	440.42	-286.82	525.24	0.00	0.00	0.00
12,200.00	1.27	212.97	12,157.11	438.56	-288.02	524.41	0.00	0.00	0.00
12,266.91	1.27	212.97	12,224.00	437.31	-288.83	523.86	0.00	0.00	0.00
Mississippian Lime									
12,300.00	1.27	212.97	12,257.08	436.70	-289.23	523.59	0.00	0.00	0.00
12,400.00	1.27	212.97	12,357.06	434.84	-290.44	522.76	0.00	0.00	0.00
12,500.00	1.27	212.97	12,457.03	432.98	-291.64	521.93	0.00	0.00	0.00
12,600.00	1.27	212.97	12,557.01	431.12	-292.85	521.11	0.00	0.00	0.00
12,700.00	1.27	212.97	12,656.99	429.26	-294.06	520.28	0.00	0.00	0.00
12,800.00	1.27	212.97	12,756.96	427.40	-295.26	519.45	0.00	0.00	0.00
12,900.00	1.27	212.97	12,856.94	425.54	-296.47	518.63	0.00	0.00	0.00
12,947.08	1.27	212.97	12,904.00	424.67	-297.04	518.24	0.00	0.00	0.00
Woodford Shale									
12,951.09	1.27	212.97	12,908.01	424.59	-297.08	518.20	0.00	0.00	0.00
Drop 1°/100'									
13,000.00	0.78	212.97	12,956.92	423.86	-297.56	517.88	1.00	-1.00	0.00
13,078.09	0.00	0.00	13,035.00	423.41	-297.85	517.68	1.00	-1.00	0.00
TD at 13078.09 - Devonian									

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- hit/miss target									
- Shape									
Norte State Com 702H	0.00	0.00	10,475.00	10,813.00	-400.34	628,788.56	813,503.91	32.725455	-103.448319
- plan misses target center by 10365.49usft at 10817.00usft MD (10774.57 TVD, 452.53 N, -280.96 E)									
- Point									
Norte State Com 702H	0.00	0.00	13,035.00	423.41	-297.85	618,398.97	813,606.40	32.696899	-103.448268
- plan hits target center									
- Point									



Altitude Energy Partners

Planning Report



Database:	DM Local	Local Co-ordinate Reference:	Well Norte State Com 702H
Company:	FME 3	TVD Reference:	KB=25' @ 3880.00usft (H&P 602)
Project:	Lea Co., NM (NAD-83)	MD Reference:	KB=25' @ 3880.00usft (H&P 602)
Site:	Eagle Norte Mega Pad	North Reference:	Grid
Well:	Norte State Com 702H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Pilot Hole		
Design:	Plan #4		

Formations					
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
30.00	30.00	Cenozoic Alluvium (surface)			
1,810.31	1,809.00	Rustler			
2,045.80	2,044.00	Salado			
2,970.64	2,962.00	Base Salt			
3,376.49	3,362.00	Yates			
3,830.09	3,810.00	Seven Rivers			
4,598.37	4,570.00	Queen			
6,048.79	6,007.00	Cherry Canyon			
7,504.88	7,463.00	Bone Spring Lime			
9,075.12	9,033.00	First Bone Spring Sand			
9,340.17	9,298.00	Second Bone Spring Carbonates			
9,504.20	9,462.00	Second Bone Spring Sand			
9,933.23	9,891.00	Third Bone Spring Carbonates			
10,012.26	9,970.00	Third Bone Spring Sand			
10,169.29	10,127.00	Wolfcamp			
10,311.30	10,269.00	Wolfcamp B			
11,638.75	11,596.00	Strawn			
12,266.91	12,224.00	Mississippian Lime			
12,947.08	12,904.00	Woodford Shale			
13,078.09	13,035.00	Devonian			

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
11,262.00	11,219.36	456.64	-276.40	Turn 1°/100'	
11,352.45	11,309.77	454.32	-277.80	1598' Hold	
12,951.09	12,908.01	424.59	-297.08	Drop 1°/100'	
13,078.09	13,035.00	423.41	-297.85	TD at 13078.09	



FME 3

**Lea Co., NM (NAD-83)
Eagle Norte Mega Pad
Norte State Com 702H**

**Pilot Hole
Plan #4**

Anticollision Report

15 June, 2023





Altitude Energy Partners

Anticollision Report



Company:	FME 3	Local Co-ordinate Reference:	Well Norte State Com 702H
Project:	Lea Co., NM (NAD-83)	TVD Reference:	KB=25' @ 3880.00usft (H&P 602)
Reference Site:	Eagle Norte Mega Pad	MD Reference:	KB=25' @ 3880.00usft (H&P 602)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Norte State Com 702H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	Pilot Hole	Database:	DM Local
Reference Design:	Plan #4	Offset TVD Reference:	Offset Datum

Reference	Plan #4
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria
Interpolation Method:	Stations
Depth Range:	Unlimited
Results Limited by:	Maximum centre distance of 1,000.00usft
Warning Levels Evaluated at:	2.00 Sigma
Error Model:	ISCWSA
Scan Method:	Closest Approach 3D
Error Surface:	Pedal Curve
Casing Method:	Not applied

Survey Tool Program		Date 6/15/2023			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
110.00	11,194.00	MWD Survey (Pilot Hole)	MWD+HDGM	OWSG MWD + HRGM	
11,194.00	13,078.09	Plan #4 (Pilot Hole)	MWD+HDGM	OWSG MWD + HRGM	

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Separation Between Ellipses (usft)	Warning	
Offset Well - Wellbore - Design						
Eagle Norte Mega Pad						
Eagle State Com 301H - OH - Plan #2					Out of range	
Eagle State Com 302H - OH - Plan #2	7,027.34	7,047.06	379.51	342.62	10.288 CC, ES	
Eagle State Com 302H - OH - Plan #2	8,584.00	8,599.73	398.81	359.34	10.105 SF	
Eagle State Com 303H - OH - OH	119.43	119.22	74.86	73.48	54.112 CC	
Eagle State Com 303H - OH - OH	199.00	198.25	75.65	73.21	31.003 ES	
Eagle State Com 303H - OH - OH	1,622.00	1,620.00	86.48	76.05	8.293 SF	
Eagle State Com 501H - OH - Plan #3	7,835.65	7,817.73	926.61	895.31	29.609 CC, ES	
Eagle State Com 501H - OH - Plan #3	9,310.00	9,270.75	932.42	899.02	27.915 SF	
Eagle State Com 502H - OH - Plan #3	1,581.52	1,585.53	81.34	71.86	8.588 CC, ES	
Eagle State Com 502H - OH - Plan #3	1,622.00	1,626.01	81.83	72.23	8.525 SF	
Eagle State Com 601H - OH - Plan #2					Out of range	
Eagle State Com 602H - OH - Plan #2	1,587.95	1,591.97	120.96	111.33	12.561 CC, ES	
Eagle State Com 602H - OH - Plan #2	9,498.00	9,481.44	244.93	208.15	6.660 SF	
Eagle State Com 701H - OH - Plan #2	6,743.21	6,731.11	725.93	696.64	24.785 CC, ES	
Eagle State Com 701H - OH - Plan #2	9,686.00	9,673.53	743.10	710.02	22.464 SF	
Eagle State Com 702H - OH - Plan #3	2,921.18	2,930.83	93.10	78.34	6.306 CC	
Eagle State Com 702H - OH - Plan #3	2,940.00	2,949.37	93.17	78.34	6.281 ES, SF	
Eagle State Com 703H - OH - OH	764.42	765.88	47.59	41.40	7.683 CC	
Eagle State Com 703H - OH - OH	802.00	803.37	47.75	41.32	7.426 ES	
Eagle State Com 703H - OH - OH	1,622.00	1,620.75	60.94	51.11	6.199 SF	
Norte State Com 601H - OH - Plan #1	7,127.71	7,136.12	873.15	844.20	30.165 CC	
Norte State Com 601H - OH - Plan #1	7,264.00	7,270.77	873.26	844.10	29.946 ES	
Norte State Com 601H - OH - Plan #1	10,063.00	9,981.47	904.13	870.89	27.206 SF	
Norte State Com 602H - OH - Plan #1	1,555.26	1,559.28	59.87	50.35	6.291 CC, ES	
Norte State Com 602H - OH - Plan #1	1,622.00	1,626.01	60.58	50.81	6.203 SF	
Norte State Com 701H - OH - Plan #1					Out of range	
Norte State Com 702H - ST01 - Plan #4	9,969.00	9,968.95	1.25	-1.25	0.500 Collision Risk Procedures	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



Altitude Energy Partners

Anticollision Report



Company:	FME 3	Local Co-ordinate Reference:	Well Norte State Com 702H
Project:	Lea Co., NM (NAD-83)	TVD Reference:	KB=25' @ 3880.00usft (H&P 602)
Reference Site:	Eagle Norte Mega Pad	MD Reference:	KB=25' @ 3880.00usft (H&P 602)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Norte State Com 702H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	Pilot Hole	Database:	DM Local
Reference Design:	Plan #4	Offset TVD Reference:	Offset Datum

Summary

Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
Eagle Norte Offsets						
Arco State #001 (P&A) - OH - OH						Out of range
Fee KJ #001 (P&A) - OH - OH						Out of range
Hamon State #001 - OH - OH						Out of range
Pearl State #1 (P&A) - OH - OH						Out of range
Pearl State #2 SWD - OH - OH						Out of range
People Security #003 (P&A) - OH - OH						Out of range
Pre Ongard Well #001 30-025-27285 (P&A) - OH - OH						Out of range
Pre Ongard Well #003 30-025-28225 (P&A) - OH - OH						Out of range
Pre-Ongard Well #001 30-025-03143 (P&A) - OH - OH						Out of range
Pre-Ongard Well #001 30-025-03144 (P&A) - OH - OH						Out of range
Pre-Ongard Well #001 30-025-03145 (P&A) - OH - OH						Out of range
Pre-Ongard Well #001 30-025-28252 (P&A) - OH - OH						Out of range
Pre-Ongard Well #001 30-025-28298 (P&A) - OH - OH						Out of range
Pre-Ongard well #001 30-025-28419 (P&A) - OH - OH						Out of range
Pre-Ongard Well #001 30-025-30550 (P&A) - OH - OH						Out of range
Pre-Ongard Well #001 30-025-35452 (P&A) - OH - OH						Out of range
Pre-Ongard Well #002 30-025-28625 (P&A) - OH - OH						Out of range
Pre-Ongard Well #005 30-025-28300 (P&A) - OH - OH						Out of range
Queen B Lee State #001 (P&A) - OH - OH						Out of range
Reeves Queen WF Unit #001 - OH - OH						Out of range
South Vacuum #274 SWD - OH - OH						Out of range
South Vacuum 27 #3 - OH - OH						Out of range
State MTS #002 SWD - OH - OH						Out of range
State MTS #003 - OH - OH						Out of range
State Section 27 #002 SWD - OH - OH						Out of range
Vacuum State #002 (P&A) - OH - OH						Out of range
Ventimisto 34 #001 (P&A) - OH - OH						Out of range

Offset Design: Eagle Norte Mega Pad - Eagle State Com 302H - OH - Plan #2

Survey Program: 0-MWD+HDGM														Offset Site Error:	0.00 usft
Reference				Offset		Semi Major Axis		Offset Wellbore Centre		Rule Assigned: Distance				Offset Well Error:	0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
3,505.00	3,488.96	3,657.21	3,641.74	8.66	10.23	-58.88	10.27	-1,057.84	988.36	970.40	17.96	55.026			
3,599.00	3,581.67	3,748.14	3,731.55	8.94	10.57	-59.54	16.42	-1,045.01	966.27	947.83	18.44	52.409			
3,693.00	3,674.43	3,839.12	3,821.41	9.23	10.91	-59.71	22.56	-1,032.18	944.38	925.46	18.92	49.904			
3,787.00	3,767.36	3,930.30	3,911.46	9.52	11.26	-59.06	28.72	-1,019.31	922.98	903.57	19.42	47.535			
3,881.00	3,860.41	4,021.61	4,001.65	9.82	11.61	-59.59	34.89	-1,006.43	901.96	882.04	19.92	45.287			
3,975.00	3,953.41	4,112.92	4,091.83	10.13	11.97	-63.88	41.06	-993.55	881.21	860.78	20.43	43.137			
4,070.00	4,047.25	4,205.14	4,182.92	10.46	12.33	-67.03	47.29	-980.54	860.56	839.60	20.96	41.055			
4,164.00	4,140.12	4,296.44	4,273.10	10.79	12.69	-66.94	53.45	-967.66	840.49	818.99	21.50	39.101			
4,258.00	4,233.12	4,387.88	4,363.41	11.12	13.05	-67.02	59.63	-954.76	820.72	798.69	22.03	37.253			
4,352.00	4,326.18	4,479.40	4,453.80	11.45	13.42	-69.32	65.81	-941.85	801.33	778.76	22.57	35.504			
4,447.00	4,420.19	4,571.93	4,545.19	11.80	13.80	-72.72	72.06	-928.80	782.22	759.09	23.12	33.829			
4,541.00	4,513.23	4,663.53	4,635.67	12.14	14.17	-72.02	78.25	-915.87	763.61	739.94	23.67	32.257			

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



Altitude Energy Partners

Anticollision Report



Company:	FME 3	Local Co-ordinate Reference:	Well Norte State Com 702H
Project:	Lea Co., NM (NAD-83)	TVD Reference:	KB=25' @ 3880.00usft (H&P 602)
Reference Site:	Eagle Norte Mega Pad	MD Reference:	KB=25' @ 3880.00usft (H&P 602)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Norte State Com 702H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	Pilot Hole	Database:	DM Local
Reference Design:	Plan #4	Offset TVD Reference:	Offset Datum

Offset Design: Eagle Norte Mega Pad - Eagle State Com 302H - OH - Plan #2													Offset Site Error:
Survey Program: 0-MWD+HDGM													Offset Well Error:
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Rule Assigned: Distance Between Centres (usft)		Minimum Separation (usft)	Separation Factor	Warning
+N/-S (usft)	+E/-W (usft)												
4,635.00	4,606.20	4,754.98	4,726.00	12.50	14.54	-70.85	84.43	-902.97	744.59	720.35	24.23	30.728	
4,729.00	4,698.72	4,845.81	4,815.71	12.91	14.91	-69.87	90.56	-890.16	724.28	699.46	24.82	29.181	
4,823.00	4,791.00	4,936.34	4,905.11	13.28	15.29	-71.68	96.68	-877.39	703.60	678.19	25.41	27.687	
4,917.00	4,883.48	5,027.10	4,994.76	13.65	15.66	-72.73	102.81	-864.58	683.65	657.65	26.00	26.292	
5,012.00	4,977.10	5,119.03	5,085.56	14.03	16.04	-74.57	109.02	-851.61	664.13	637.54	26.60	24.972	
5,106.00	5,069.85	5,210.14	5,175.55	14.40	16.42	-75.57	115.17	-838.76	645.37	618.19	27.18	23.744	
5,200.00	5,162.69	5,301.34	5,265.63	14.77	16.81	-75.61	121.33	-825.90	626.87	599.11	27.76	22.579	
5,294.00	5,255.62	5,392.64	5,355.80	15.14	17.19	-77.87	127.50	-813.02	608.78	580.44	28.34	21.478	
5,389.00	5,349.59	5,485.01	5,447.04	15.51	17.58	-79.57	133.74	-799.98	591.06	562.13	28.93	20.430	
5,483.00	5,442.65	5,576.51	5,537.41	15.88	17.96	-80.76	139.92	-787.08	573.95	544.44	29.51	19.451	
5,577.00	5,536.00	5,668.42	5,628.18	16.29	18.35	-85.33	146.13	-774.11	557.77	527.71	30.07	18.551	
5,672.00	5,630.66	5,761.77	5,720.39	16.63	18.75	-89.40	152.44	-760.94	542.48	511.87	30.61	17.722	
5,766.00	5,724.39	5,854.24	5,811.73	16.96	19.14	-89.25	158.68	-747.90	527.68	496.53	31.14	16.944	
5,860.00	5,818.24	5,946.89	5,903.23	17.33	19.54	-93.33	164.94	-734.83	513.02	481.37	31.66	16.206	
5,955.00	5,913.22	6,040.71	5,995.90	17.58	19.94	-108.13	171.28	-721.59	498.46	466.31	32.15	15.504	
6,049.00	6,007.21	6,133.57	6,087.62	17.81	20.33	-100.07	177.55	-708.49	484.13	451.49	32.64	14.833	
6,143.00	6,101.20	6,226.44	6,179.34	18.04	20.73	-110.64	183.82	-695.39	469.88	436.75	33.13	14.183	
6,238.00	6,196.19	6,320.32	6,272.06	18.28	21.13	-108.02	190.17	-682.14	455.58	421.95	33.63	13.547	
6,321.00	6,279.18	6,402.29	6,353.03	18.48	21.48	-86.06	195.70	-670.58	442.83	408.77	34.06	13.003	
6,416.00	6,374.17	6,495.05	6,444.65	18.70	21.88	-81.27	201.96	-657.50	427.97	393.44	34.53	12.395	
6,510.00	6,468.17	6,578.88	6,527.61	18.90	22.24	-80.52	207.15	-646.68	414.49	379.52	34.98	11.851	
6,604.00	6,562.17	6,663.21	6,611.32	19.10	22.60	-96.18	211.57	-637.45	403.14	367.75	35.40	11.389	
6,698.00	6,656.16	6,747.97	6,695.65	19.31	22.93	-83.31	215.20	-629.85	393.87	358.08	35.79	11.005	
6,792.00	6,750.16	6,833.07	6,780.50	19.49	23.25	-132.82	218.04	-623.93	386.88	350.72	36.16	10.699	
6,887.00	6,845.16	6,919.35	6,866.64	19.68	23.56	-123.12	220.08	-619.66	382.14	345.64	36.51	10.468	
6,981.00	6,939.16	7,004.87	6,952.12	19.84	23.82	-155.56	221.28	-617.16	379.77	342.97	36.80	10.319	
7,077.34	6,985.50	7,047.06	6,994.30	19.91	23.89	-147.34	221.57	-616.57	379.51	342.62	36.89	10.288 CC, ES	
7,075.00	7,033.15	7,090.90	7,038.15	20.00	23.95	-140.66	221.65	-616.39	379.78	342.81	36.97	10.273	
7,169.00	7,127.14	7,184.90	7,132.14	20.16	24.00	-150.74	221.65	-616.39	380.72	343.61	37.12	10.258	
7,264.00	7,222.14	7,279.89	7,227.14	20.33	24.04	-135.60	221.65	-616.39	381.57	344.31	37.26	10.241	
7,358.00	7,316.13	7,373.89	7,321.13	20.51	24.08	-148.05	221.65	-616.39	382.32	344.91	37.40	10.222	
7,452.00	7,410.13	7,467.88	7,415.13	20.66	24.12	-150.56	221.65	-616.39	383.13	345.58	37.55	10.204	
7,547.00	7,505.12	7,562.88	7,510.12	20.83	24.16	-140.79	221.65	-616.39	384.00	346.30	37.70	10.186	
7,641.00	7,599.11	7,656.87	7,604.11	21.02	24.20	-141.41	221.65	-616.39	384.93	347.07	37.85	10.169	
7,735.00	7,693.10	7,750.86	7,698.10	21.21	24.24	-142.38	221.65	-616.39	385.93	347.92	38.01	10.153	
7,829.00	7,787.09	7,844.85	7,792.09	21.38	24.28	-157.29	221.65	-616.39	387.25	349.08	38.18	10.143	
7,924.00	7,882.07	7,939.83	7,887.07	21.55	24.32	-156.49	221.65	-616.39	389.01	350.66	38.36	10.142	
8,018.00	7,976.05	8,033.81	7,981.05	21.69	24.36	-172.87	221.65	-616.39	390.91	352.38	38.53	10.145	
8,112.00	8,070.03	8,127.78	8,075.03	21.81	24.40	-175.04	221.65	-616.39	393.00	354.29	38.71	10.152	
8,207.00	8,165.01	8,222.77	8,170.01	21.86	24.45	149.03	221.65	-616.39	394.70	355.82	38.88	10.153	
8,301.00	8,259.00	8,316.76	8,264.00	21.82	24.49	134.66	221.65	-616.39	395.65	356.64	39.01	10.143	
8,395.00	8,353.00	8,410.75	8,358.00	21.84	24.53	-174.95	221.65	-616.39	396.74	357.58	39.16	10.132	
8,489.00	8,446.98	8,504.74	8,451.98	21.98	24.57	-162.97	221.65	-616.39	398.37	359.03	39.34	10.126	
8,584.00	8,541.97	8,599.73	8,546.97	22.12	24.62	-36.49	221.65	-616.39	398.81	359.34	39.47	10.105 SF	
8,619.25	8,577.22	8,629.02	8,576.26	22.15	24.61	-31.57	221.45	-616.39	398.51	359.11	39.40	10.114	
8,679.00	8,636.96	8,671.78	8,618.92	22.20	24.57	-27.25	218.72	-616.36	399.58	360.38	39.20	10.193	
8,773.00	8,730.94	8,737.58	8,683.86	22.29	24.48	-47.21	208.33	-616.26	406.64	367.82	38.82	10.474	
8,867.00	8,824.92	8,800.00	8,743.98	22.43	24.38	-59.89	191.66	-616.09	421.29	382.89	38.39	10.973	
8,926.00	8,883.92	8,837.20	8,778.82	22.54	24.31	-99.97	178.65	-615.96	434.65	396.55	38.10	11.409	
9,027.00	8,984.90	8,900.00	8,835.49	22.81	24.21	-127.87	151.65	-615.69	465.44	427.78	37.66	12.359	
9,121.00	9,078.87	8,950.00	8,878.28	23.05	24.14	-144.03	125.81	-615.43	502.57	465.38	37.19	13.513	
9,215.00	9,172.86	8,988.88	8,909.90	23.28	24.09	-122.74	103.21	-615.20	546.36	509.73	36.62	14.919	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



Altitude Energy Partners

Anticollision Report



Company:	FME 3	Local Co-ordinate Reference:	Well Norte State Com 702H
Project:	Lea Co., NM (NAD-83)	TVD Reference:	KB=25' @ 3880.00usft (H&P 602)
Reference Site:	Eagle Norte Mega Pad	MD Reference:	KB=25' @ 3880.00usft (H&P 602)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Norte State Com 702H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	Pilot Hole	Database:	DM Local
Reference Design:	Plan #4	Offset TVD Reference:	Offset Datum

Offset Design: Eagle Norte Mega Pad - Eagle State Com 302H - OH - Plan #2													Offset Site Error: 0.00 usft
Survey Program: 0-MWD+HDGM													Offset Well Error: 0.00 usft
Reference	Offset	Semi Major Axis	Highside	Offset Wellbore Centre		Rule Assigned:				Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
9,310.00	9,267.85	9,029.38	8,941.14	23.29	24.04	68.22	77.43	-614.95	595.99	559.79	36.20	16.464	
9,404.00	9,361.81	9,065.48	8,967.37	23.11	24.01	95.90	52.65	-614.70	650.77	615.06	35.71	18.226	
9,498.00	9,455.80	9,100.00	8,990.96	23.08	23.98	164.08	27.45	-614.44	711.27	675.87	35.40	20.093	
9,592.00	9,549.80	9,125.19	9,007.19	23.08	23.98	73.87	8.19	-614.25	775.91	740.77	35.14	22.080	
9,686.00	9,643.80	9,150.00	9,022.33	22.96	23.97	80.47	-11.46	-614.05	843.94	808.97	34.97	24.133	
9,780.00	9,737.79	9,172.75	9,035.46	22.90	23.97	125.82	-30.04	-613.87	915.39	880.47	34.92	26.211	
9,875.00	9,832.78	9,200.00	9,050.20	22.93	23.97	144.79	-52.95	-613.64	990.90	955.89	35.01	28.306	



Altitude Energy Partners

Anticollision Report



Company:	FME 3	Local Co-ordinate Reference:	Well Norte State Com 702H
Project:	Lea Co., NM (NAD-83)	TVD Reference:	KB=25' @ 3880.00usft (H&P 602)
Reference Site:	Eagle Norte Mega Pad	MD Reference:	KB=25' @ 3880.00usft (H&P 602)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Norte State Com 702H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	Pilot Hole	Database:	DM Local
Reference Design:	Plan #4	Offset TVD Reference:	Offset Datum

Offset Design: Eagle Norte Mega Pad - Eagle State Com 303H - OH - OH													Offset Site Error: 0.00 usft
Survey Program: 112-MWD+HDGM													Offset Well Error: 0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Rule Assigned: Distance		Minimum Separation (usft)	Separation Factor	Warning
							+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
0.00	0.00	0.00	0.00	0.00	0.00	-90.30	-0.39	-74.99	74.99				
110.00	110.00	109.84	109.83	0.63	0.64	-21.50	-0.02	-75.11	74.87	73.61	1.26	59.420	
119.43	119.43	119.22	119.22	0.70	0.70	-27.33	0.04	-75.14	74.86	73.48	1.38	54.112 CC	
199.00	199.00	198.25	198.24	1.39	1.25	178.05	1.16	-75.64	75.65	73.21	2.44	31.003 ES	
288.00	287.99	287.13	287.08	1.74	1.70	138.92	3.48	-76.54	77.36	74.12	3.24	23.893	
377.00	376.99	375.92	375.85	2.03	2.08	176.52	5.57	-77.45	79.00	75.16	3.84	20.548	
446.00	445.99	444.00	443.86	2.18	2.53	158.31	8.17	-78.65	81.18	76.86	4.32	18.798	
536.00	535.98	533.36	533.09	2.46	2.87	147.32	12.51	-80.86	85.10	80.16	4.93	17.248	
624.00	623.97	621.57	621.21	2.72	3.18	-173.32	15.57	-83.23	89.07	83.56	5.51	16.174	
712.00	711.96	710.22	709.83	2.98	3.47	173.14	16.39	-85.51	92.95	86.88	6.06	15.331	
802.00	801.92	799.68	799.24	3.26	3.65	-159.75	15.03	-88.05	97.69	91.09	6.60	14.805	
892.00	891.84	888.25	887.69	3.54	3.80	-162.04	12.31	-91.47	104.30	97.20	7.10	14.695	
982.00	981.77	978.30	977.61	3.82	3.97	-166.24	9.21	-95.33	111.07	103.46	7.61	14.594	
1,071.00	1,070.73	1,069.51	1,068.72	4.10	4.12	179.22	6.19	-98.08	116.31	108.21	8.10	14.367	
1,161.00	1,160.69	1,162.51	1,161.66	4.38	4.25	129.22	2.66	-98.72	119.19	110.61	8.58	13.898	
1,250.00	1,249.62	1,257.08	1,256.08	4.76	4.38	75.24	-1.48	-95.82	116.60	107.51	9.09	12.825	
1,339.00	1,338.44	1,348.89	1,347.57	4.93	4.46	47.84	-5.05	-89.20	107.14	97.87	9.27	11.563	
1,434.00	1,433.19	1,440.44	1,438.86	5.01	4.58	26.09	-5.80	-82.45	94.69	85.27	9.42	10.049	
1,528.00	1,527.03	1,529.79	1,528.10	5.08	4.80	15.06	-3.37	-78.88	86.38	76.62	9.76	8.849	
1,574.06	1,573.07	1,573.48	1,571.75	5.24	4.97	-17.15	-1.45	-78.66	85.17	75.06	10.10	8.430	
1,622.00	1,621.01	1,620.00	1,618.20	5.42	5.25	-114.00	0.79	-79.70	86.48	76.05	10.43	8.293 SF	
1,717.00	1,715.90	1,711.84	1,709.82	5.55	5.38	-116.13	5.38	-83.99	93.58	82.79	10.78	8.677	
1,811.00	1,809.69	1,805.82	1,803.56	5.71	5.57	-135.12	9.66	-89.22	103.11	91.91	11.20	9.204	
1,843.00	1,841.62	1,825.00	1,822.70	5.75	5.61	-143.77	10.45	-90.23	107.29	96.11	11.18	9.595	
1,997.00	1,995.31	1,825.00	1,822.70	6.27	5.61	-133.95	10.45	-90.23	206.43	198.04	8.39	24.613	
2,092.00	2,090.08	1,825.00	1,822.70	6.46	5.61	-121.44	10.45	-90.23	292.16	284.54	7.63	38.309	
2,186.00	2,183.80	1,825.00	1,822.70	6.83	5.61	-79.35	10.45	-90.23	380.58	373.26	7.32	52.010	
2,280.00	2,277.39	1,825.00	1,822.70	7.02	5.61	-53.21	10.45	-90.23	470.00	462.86	7.14	65.861	
2,374.00	2,370.85	1,825.00	1,822.70	7.07	5.61	-42.48	10.45	-90.23	560.10	553.05	7.05	79.442	
2,469.00	2,465.23	1,825.00	1,822.70	7.10	5.61	-38.67	10.45	-90.23	651.92	644.88	7.04	92.574	
2,563.00	2,558.63	1,825.00	1,822.70	7.14	5.61	-39.62	10.45	-90.23	743.52	736.43	7.08	104.974	
2,657.00	2,651.90	1,825.00	1,822.70	7.19	5.61	-34.29	10.45	-90.23	835.47	828.32	7.15	116.865	
2,751.00	2,744.94	1,825.00	1,822.70	7.24	5.61	-32.65	10.45	-90.23	927.54	920.31	7.23	128.306	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



Altitude Energy Partners

Anticollision Report



Company:	FME 3	Local Co-ordinate Reference:	Well Norte State Com 702H
Project:	Lea Co., NM (NAD-83)	TVD Reference:	KB=25' @ 3880.00usft (H&P 602)
Reference Site:	Eagle Norte Mega Pad	MD Reference:	KB=25' @ 3880.00usft (H&P 602)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Norte State Com 702H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	Pilot Hole	Database:	DM Local
Reference Design:	Plan #4	Offset TVD Reference:	Offset Datum

Offset Design: Eagle Norte Mega Pad - Eagle State Com 501H - OH - Plan #3													Offset Site Error: 0.00 usft
Survey Program: 0-MWD+HDGM													Offset Well Error: 0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Rule Assigned: Distance Between Centres (usft)		Minimum Separation (usft)	Separation Factor	Warning
+N/-S (usft)	+E/-W (usft)												
5,672.00	5,630.66	5,674.39	5,670.31	16.63	15.32	-75.63	144.67	-1,252.52	998.08	973.44	24.64	40.506	
5,766.00	5,724.39	5,768.15	5,763.98	16.96	15.61	-74.82	147.94	-1,250.04	992.95	967.93	25.02	39.686	
5,860.00	5,818.24	5,862.00	5,857.74	17.33	15.90	-78.71	151.20	-1,247.56	988.45	963.07	25.38	38.949	
5,955.00	5,913.22	5,956.93	5,952.58	17.58	16.19	-93.22	154.51	-1,245.06	984.91	959.22	25.69	38.336	
6,049.00	6,007.21	6,050.86	6,046.42	17.81	16.48	-84.73	157.78	-1,242.58	981.59	955.59	25.99	37.762	
6,143.00	6,101.20	6,144.80	6,140.27	18.04	16.77	-94.93	161.05	-1,240.10	978.29	952.00	26.30	37.201	
6,238.00	6,196.19	6,239.74	6,235.12	18.28	17.07	-91.88	164.35	-1,237.59	975.07	948.47	26.60	36.656	
6,321.00	6,279.18	6,322.68	6,317.98	18.48	17.32	-69.52	167.24	-1,235.40	972.00	945.13	26.87	36.177	
6,416.00	6,374.17	6,417.59	6,412.80	18.70	17.62	-64.33	170.54	-1,232.89	968.29	941.10	27.19	35.614	
6,510.00	6,468.17	6,511.51	6,506.63	18.90	17.91	-63.18	173.81	-1,230.41	964.70	937.19	27.50	35.076	
6,604.00	6,562.17	6,605.42	6,600.45	19.10	18.21	-78.47	177.08	-1,227.93	961.21	933.39	27.81	34.559	
6,698.00	6,656.16	6,699.34	6,694.28	19.31	18.50	-65.24	180.35	-1,225.45	957.73	929.61	28.12	34.055	
6,792.00	6,750.16	6,793.26	6,788.12	19.49	18.80	-114.44	183.62	-1,222.97	954.48	926.06	28.42	33.589	
6,887.00	6,845.16	6,888.20	6,882.96	19.68	19.10	-104.44	186.93	-1,220.47	951.43	922.74	28.70	33.156	
6,981.00	6,939.16	6,982.14	6,976.81	19.84	19.39	-136.65	190.20	-1,217.99	948.64	919.68	28.96	32.756	
7,075.00	7,033.15	7,076.09	7,070.67	20.00	19.69	-121.56	193.47	-1,215.50	946.10	916.88	29.22	32.380	
7,169.00	7,127.14	7,170.04	7,164.53	20.16	19.99	-131.43	196.74	-1,213.02	943.55	914.07	29.48	32.006	
7,264.00	7,222.14	7,264.99	7,259.39	20.33	20.29	-116.10	200.04	-1,210.52	940.87	911.12	29.75	31.628	
7,358.00	7,316.13	7,358.93	7,353.24	20.51	20.58	-128.34	203.31	-1,208.04	938.16	908.14	30.02	31.256	
7,452.00	7,410.13	7,452.88	7,447.10	20.66	20.88	-130.67	206.58	-1,205.56	935.54	905.27	30.28	30.901	
7,547.00	7,505.12	7,547.83	7,541.96	20.83	21.18	-120.71	209.89	-1,203.05	932.91	902.37	30.54	30.543	
7,641.00	7,599.11	7,641.78	7,635.82	21.02	21.48	-121.13	213.16	-1,200.57	930.32	899.50	30.81	30.191	
7,735.00	7,693.10	7,733.09	7,727.05	21.21	21.76	-121.89	216.32	-1,198.17	927.81	896.74	31.07	29.860	
7,829.00	7,787.09	7,812.14	7,806.06	21.38	21.98	-136.67	218.19	-1,196.75	926.61	895.33	31.28	29.619	
7,835.65	7,793.74	7,817.73	7,811.65	21.39	21.99	-136.60	218.27	-1,196.69	926.61	895.31	31.29	29.609 CC, ES	
7,924.00	7,882.07	7,893.16	7,887.07	21.55	22.11	-135.80	218.76	-1,196.32	927.33	895.90	31.43	29.505	
8,018.00	7,976.05	7,987.14	7,981.05	21.69	22.17	-152.17	218.76	-1,196.32	928.92	897.38	31.54	29.449	
8,112.00	8,070.03	8,081.11	8,075.03	21.81	22.22	-154.37	218.76	-1,196.32	930.80	899.16	31.64	29.416	
8,207.00	8,165.01	8,176.10	8,170.01	21.86	22.27	169.64	218.76	-1,196.32	932.47	900.74	31.73	29.385	
8,301.00	8,259.00	8,270.09	8,264.00	21.82	22.32	155.19	218.76	-1,196.32	933.62	901.82	31.81	29.351	
8,395.00	8,353.00	8,364.08	8,358.00	21.84	22.37	-154.48	218.76	-1,196.32	934.76	902.86	31.90	29.302	
8,489.00	8,446.98	8,458.07	8,451.98	21.98	22.43	-142.50	218.76	-1,196.32	936.17	904.15	32.02	29.239	
8,584.00	8,541.97	8,553.06	8,546.97	22.12	22.48	-15.97	218.76	-1,196.32	936.34	904.19	32.15	29.124	
8,679.00	8,636.96	8,648.04	8,641.96	22.20	22.53	-6.30	218.76	-1,196.32	934.57	902.28	32.29	28.947	
8,773.00	8,730.94	8,742.02	8,735.94	22.29	22.58	-24.99	218.76	-1,196.32	932.61	900.18	32.43	28.761	
8,867.00	8,824.92	8,836.01	8,829.92	22.43	22.63	-35.70	218.76	-1,196.32	931.30	898.72	32.58	28.589	
8,926.00	8,883.92	8,895.00	8,888.92	22.54	22.67	-74.42	218.76	-1,196.32	930.86	898.20	32.66	28.503	
8,979.11	8,937.02	8,948.11	8,942.02	22.68	22.70	-90.00	218.76	-1,196.32	930.75	898.00	32.75	28.422	
9,027.00	8,984.90	8,995.98	8,989.90	22.81	22.72	-99.64	218.76	-1,196.32	930.84	898.01	32.83	28.354	
9,121.00	9,078.87	9,089.96	9,083.87	23.05	22.78	-113.35	218.76	-1,196.32	931.49	898.51	32.98	28.245	
9,215.00	9,172.86	9,183.94	9,177.86	23.28	22.83	-90.02	218.76	-1,196.32	931.96	898.84	33.12	28.136	
9,219.28	9,177.13	9,188.22	9,182.13	23.28	22.83	-92.10	218.76	-1,196.32	931.96	898.82	33.14	28.123	
9,310.00	9,267.85	9,270.75	9,264.66	23.29	22.85	104.18	218.39	-1,196.32	932.42	899.02	33.40	27.915 SF	
9,404.00	9,361.81	9,337.58	9,331.15	23.11	22.75	133.27	212.10	-1,196.25	935.78	902.39	33.39	28.027	
9,498.00	9,455.80	9,400.00	9,392.21	23.08	22.59	-158.66	199.27	-1,196.12	942.09	908.66	33.43	28.182	
9,592.00	9,549.80	9,462.94	9,451.99	23.08	22.41	111.25	179.69	-1,195.93	950.91	917.39	33.52	28.365	
9,686.00	9,643.80	9,519.23	9,503.35	22.96	22.25	117.80	156.72	-1,195.70	963.24	929.60	33.64	28.634	
9,780.00	9,737.79	9,570.40	9,547.90	22.90	22.11	163.14	131.56	-1,195.45	980.36	946.57	33.80	29.008	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



Altitude Energy Partners

Anticollision Report



Company:	FME 3	Local Co-ordinate Reference:	Well Norte State Com 702H
Project:	Lea Co., NM (NAD-83)	TVD Reference:	KB=25' @ 3880.00usft (H&P 602)
Reference Site:	Eagle Norte Mega Pad	MD Reference:	KB=25' @ 3880.00usft (H&P 602)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Norte State Com 702H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	Pilot Hole	Database:	DM Local
Reference Design:	Plan #4	Offset TVD Reference:	Offset Datum

Offset Design: Eagle Norte Mega Pad - Eagle State Com 502H - OH - Plan #3													Offset Site Error:
Survey Program: 0-MWD+HDGM													Offset Well Error:
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Rule Assigned: Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	5.00	5.00	0.00	0.04	-146.61	-75.24	-49.60	90.12				
110.00	110.00	115.00	115.00	0.63	0.89	-78.18	-75.24	-49.60	90.06	88.55	1.51	59.497	
124.51	124.51	129.51	129.51	0.75	0.99	-90.06	-75.24	-49.60	90.06	88.33	1.73	52.151	
199.00	199.00	204.00	204.00	1.39	1.47	120.63	-75.24	-49.60	90.24	87.43	2.81	32.077	
288.00	287.99	292.99	292.99	1.74	1.86	80.07	-75.24	-49.60	90.39	86.83	3.57	25.336	
319.15	319.14	324.14	324.14	1.84	1.98	90.16	-75.24	-49.60	90.37	86.58	3.79	23.853	
377.00	376.99	381.99	381.99	2.03	2.19	116.38	-75.24	-49.60	90.46	86.26	4.19	21.571	
446.00	445.99	450.99	450.99	2.18	2.42	96.72	-75.24	-49.60	90.62	86.05	4.57	19.834	
536.00	535.98	540.98	540.98	2.46	2.69	83.39	-75.24	-49.60	90.64	85.55	5.09	17.805	
550.08	550.06	555.06	555.06	2.50	2.72	90.01	-75.24	-49.60	90.63	85.46	5.17	17.544	
624.00	623.97	628.97	628.97	2.72	2.93	121.56	-75.24	-49.60	90.90	85.35	5.55	16.370	
712.00	711.96	716.96	716.96	2.98	3.15	108.65	-75.24	-49.60	91.51	85.53	5.99	15.279	
802.00	801.92	806.92	806.92	3.26	3.37	138.33	-75.24	-49.60	93.07	86.64	6.44	14.461	
892.00	891.84	896.84	896.84	3.54	3.57	140.05	-75.24	-49.60	95.96	89.09	6.87	13.966	
982.00	981.77	986.77	986.77	3.82	3.76	139.57	-75.24	-49.60	98.58	91.28	7.30	13.502	
1,071.00	1,070.73	1,075.73	1,075.73	4.10	3.95	127.99	-75.24	-49.60	100.50	92.80	7.71	13.039	
1,161.00	1,160.69	1,165.69	1,165.69	4.38	4.12	80.67	-75.24	-49.60	101.21	93.09	8.13	12.452	
1,250.00	1,249.62	1,254.62	1,254.62	4.76	4.30	28.27	-75.24	-49.60	98.92	90.44	8.48	11.666	
1,339.00	1,338.44	1,343.44	1,343.44	4.93	4.46	0.59	-75.24	-49.60	93.45	84.71	8.74	10.692	
1,434.00	1,433.19	1,438.19	1,438.19	5.01	4.63	-24.05	-75.24	-49.60	86.75	77.75	9.00	9.638	
1,528.00	1,527.03	1,532.03	1,532.03	5.08	4.80	-39.74	-75.24	-49.60	82.20	72.90	9.30	8.839	
1,581.52	1,580.53	1,585.53	1,585.53	5.27	4.89	-89.98	-75.24	-49.60	81.34	71.86	9.47	8.588 CC, ES	
1,622.00	1,621.01	1,626.01	1,626.01	5.42	4.96	-172.12	-75.24	-49.60	81.83	72.23	9.60	8.525 SF	
1,717.00	1,715.90	1,720.90	1,720.90	5.55	5.11	-174.66	-75.24	-49.60	86.20	76.12	10.08	8.552	
1,811.00	1,809.69	1,814.69	1,814.69	5.71	5.27	167.62	-75.24	-49.60	92.48	82.08	10.41	8.887	
1,843.00	1,841.62	1,846.62	1,846.62	5.75	5.32	159.51	-75.24	-49.60	94.45	83.96	10.49	9.003	
1,997.00	1,995.31	2,000.31	2,000.31	6.27	5.56	170.20	-75.24	-49.60	103.90	92.61	11.30	9.196	
2,092.00	2,090.08	2,095.08	2,095.08	6.46	5.71	-178.58	-75.24	-49.60	110.46	98.80	11.66	9.473	
2,186.00	2,183.80	2,188.80	2,188.80	6.83	5.85	-141.33	-75.24	-49.60	117.06	104.97	12.09	9.684	
2,280.00	2,277.39	2,282.39	2,282.39	7.02	5.98	-117.52	-75.24	-49.60	122.46	109.99	12.47	9.821	
2,374.00	2,370.85	2,375.85	2,375.85	7.07	6.12	-109.32	-75.24	-49.60	126.42	113.72	12.70	9.956	
2,469.00	2,465.23	2,470.23	2,470.23	7.10	6.26	-108.90	-75.24	-49.60	129.97	117.07	12.90	10.074	
2,563.00	2,558.63	2,563.63	2,563.63	7.14	6.39	-113.68	-75.24	-49.60	133.86	120.74	13.12	10.205	
2,657.00	2,651.90	2,656.90	2,656.90	7.19	6.52	-115.86	-75.24	-49.60	138.76	125.41	13.35	10.391	
2,751.00	2,744.94	2,749.94	2,749.94	7.24	6.65	-120.99	-75.24	-49.60	145.21	131.61	13.61	10.673	
2,845.00	2,837.93	2,842.93	2,842.93	7.32	6.77	-125.91	-75.24	-49.60	152.83	138.95	13.88	11.011	
2,940.00	2,931.79	2,936.79	2,936.79	7.43	6.90	-126.64	-75.24	-49.60	161.55	147.37	14.18	11.391	
3,034.00	3,024.38	3,030.49	3,030.49	7.55	7.03	-130.66	-75.15	-49.52	171.68	157.18	14.50	11.839	
3,128.00	3,116.88	3,126.50	3,126.48	7.72	7.19	-134.96	-73.64	-48.25	181.60	166.75	14.85	12.226	
3,222.00	3,209.50	3,222.54	3,222.41	7.93	7.35	-139.94	-70.28	-45.43	190.37	175.15	15.22	12.510	
3,316.00	3,302.24	3,318.51	3,318.14	8.16	7.52	-144.28	-65.09	-41.05	197.93	182.34	15.59	12.694	
3,411.00	3,396.11	3,415.30	3,414.48	8.40	7.70	-148.23	-57.99	-35.07	204.39	188.42	15.97	12.796	
3,505.00	3,488.96	3,509.35	3,507.87	8.66	7.85	-156.39	-49.48	-27.91	211.05	194.74	16.31	12.939	
3,599.00	3,581.67	3,601.66	3,599.49	8.94	8.04	-160.48	-40.87	-20.66	219.69	202.99	16.70	13.153	
3,693.00	3,674.43	3,694.01	3,691.16	9.23	8.24	-164.04	-32.26	-13.40	229.10	212.00	17.10	13.401	
3,787.00	3,767.36	3,786.50	3,782.95	9.52	8.46	-166.44	-23.63	-6.14	238.32	220.83	17.48	13.630	
3,881.00	3,860.41	3,879.07	3,874.83	9.82	8.69	-169.74	-14.99	1.13	247.52	229.65	17.87	13.850	
3,975.00	3,953.41	3,971.65	3,966.72	10.13	8.93	-176.14	-6.36	8.41	257.84	239.58	18.26	14.117	
4,070.00	4,047.25	4,065.19	4,059.56	10.46	9.19	178.90	2.37	15.75	269.85	251.18	18.67	14.452	
4,164.00	4,140.12	4,157.78	4,151.46	10.79	9.45	177.36	11.00	23.03	282.04	262.96	19.08	14.784	
4,258.00	4,233.12	4,250.46	4,243.45	11.12	9.72	175.75	19.65	30.31	293.80	274.32	19.48	15.082	
4,352.00	4,326.18	4,343.20	4,335.50	11.45	10.00	172.21	28.30	37.59	305.50	285.61	19.88	15.364	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



Altitude Energy Partners

Anticollision Report



Company:	FME 3	Local Co-ordinate Reference:	Well Norte State Com 702H
Project:	Lea Co., NM (NAD-83)	TVD Reference:	KB=25' @ 3880.00usft (H&P 602)
Reference Site:	Eagle Norte Mega Pad	MD Reference:	KB=25' @ 3880.00usft (H&P 602)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Norte State Com 702H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	Pilot Hole	Database:	DM Local
Reference Design:	Plan #4	Offset TVD Reference:	Offset Datum

Offset Design: Eagle Norte Mega Pad - Eagle State Com 502H - OH - Plan #3													Offset Site Error:
Survey Program: 0-MWD+HDGM													Offset Well Error:
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Rule Assigned: Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
4,447.00	4,420.19	4,436.96	4,428.56	11.80	10.28	167.89	37.05	44.96	317.82	297.52	20.30	15.656	
4,541.00	4,513.23	4,529.77	4,520.67	12.14	10.58	167.75	45.70	52.25	330.07	309.36	20.71	15.935	
4,635.00	4,606.20	4,622.46	4,612.68	12.50	10.87	168.47	54.35	59.53	343.12	321.99	21.13	16.235	
4,729.00	4,698.72	4,714.71	4,704.24	12.91	11.18	169.57	62.95	66.78	359.15	337.53	21.62	16.613	
4,823.00	4,791.00	4,806.74	4,795.58	13.28	11.48	167.58	71.54	74.00	376.65	354.59	22.06	17.071	
4,917.00	4,883.48	4,898.94	4,887.09	13.65	11.79	166.48	80.14	81.25	393.30	370.79	22.51	17.472	
5,012.00	4,977.10	4,992.27	4,979.73	14.03	12.12	164.65	88.84	88.58	409.37	386.40	22.96	17.828	
5,106.00	5,069.85	5,084.73	5,071.49	14.40	12.44	163.80	97.47	95.84	424.73	401.32	23.41	18.143	
5,200.00	5,162.69	5,177.24	5,163.31	14.77	12.76	163.95	106.10	103.11	439.72	415.86	23.86	18.430	
5,294.00	5,255.62	5,269.83	5,255.21	15.14	13.09	161.93	114.73	110.38	454.29	429.98	24.31	18.688	
5,389.00	5,349.59	5,363.47	5,348.15	15.51	13.43	160.61	123.47	117.74	468.70	443.93	24.77	18.925	
5,483.00	5,442.65	5,456.18	5,440.18	15.88	13.76	159.83	132.12	125.02	482.57	457.36	25.22	19.136	
5,577.00	5,536.00	5,549.17	5,532.47	16.29	14.10	155.20	140.79	132.32	494.23	468.54	25.69	19.236	
5,672.00	5,630.66	5,643.43	5,626.02	16.63	14.45	150.98	149.58	139.73	503.13	477.02	26.10	19.274	
5,766.00	5,724.39	5,736.74	5,718.64	16.96	14.79	151.17	158.29	147.06	511.33	484.83	26.50	19.295	
5,860.00	5,818.24	5,830.11	5,811.31	17.33	15.14	146.40	166.99	154.39	517.71	490.79	26.91	19.235	
5,955.00	5,913.22	5,924.48	5,904.98	17.58	15.50	130.71	175.80	161.81	521.43	494.23	27.21	19.166	
6,049.00	6,007.21	6,017.86	5,997.66	17.81	15.85	138.03	184.51	169.14	524.93	497.45	27.48	19.101	
6,143.00	6,101.20	6,111.25	6,090.35	18.04	16.20	126.69	193.22	176.48	528.70	500.94	27.76	19.044	
6,238.00	6,196.19	6,205.64	6,184.04	18.28	16.56	128.60	202.02	183.89	532.55	504.51	28.04	18.996	
6,321.00	6,279.18	6,290.49	6,268.31	18.48	16.87	149.98	209.56	190.24	536.10	507.83	28.28	18.957	
6,416.00	6,374.17	6,389.07	6,366.46	18.70	17.24	154.20	216.58	196.15	539.58	510.97	28.61	18.860	
6,510.00	6,468.17	6,487.00	6,464.17	18.90	17.58	154.61	221.64	200.41	542.14	513.21	28.93	18.740	
6,604.00	6,562.17	6,585.21	6,562.29	19.10	17.89	138.83	224.78	203.06	543.93	514.70	29.23	18.607	
6,698.00	6,656.16	6,683.55	6,660.61	19.31	18.09	151.84	225.99	204.08	544.97	515.46	29.52	18.464	
6,792.00	6,750.16	6,778.10	6,755.16	19.49	18.21	102.58	226.01	204.09	545.38	515.57	29.81	18.295	
6,887.00	6,845.16	6,873.10	6,850.16	19.68	18.29	112.53	226.01	204.09	545.59	515.58	30.01	18.179	
6,981.00	6,939.16	6,967.10	6,944.16	19.84	18.35	80.30	226.01	204.09	545.63	515.48	30.16	18.093	
7,036.16	6,994.31	7,022.25	6,999.31	19.93	18.38	90.00	226.01	204.09	545.58	515.35	30.23	18.046	
7,075.00	7,033.15	7,061.09	7,038.15	20.00	18.41	95.41	226.01	204.09	545.61	515.32	30.29	18.015	
7,169.00	7,127.14	7,155.08	7,132.14	20.16	18.46	85.55	226.01	204.09	545.63	515.20	30.42	17.934	
7,195.70	7,153.84	7,181.77	7,158.84	20.21	18.48	89.99	226.01	204.09	545.62	515.15	30.47	17.909	
7,264.00	7,222.14	7,250.08	7,227.14	20.33	18.52	100.90	226.01	204.09	545.69	515.12	30.57	17.850	
7,358.00	7,316.13	7,344.07	7,321.13	20.51	18.58	88.64	226.01	204.09	545.78	515.06	30.72	17.766	
7,452.00	7,410.13	7,438.07	7,415.13	20.66	18.64	86.30	226.01	204.09	545.74	514.89	30.85	17.691	
7,486.58	7,444.70	7,472.64	7,449.70	20.72	18.66	90.00	226.01	204.09	545.73	514.83	30.90	17.661	
7,547.00	7,505.12	7,533.06	7,510.12	20.83	18.70	96.27	226.01	204.09	545.77	514.78	30.99	17.611	
7,641.00	7,599.11	7,627.05	7,604.11	21.02	18.76	95.89	226.01	204.09	545.89	514.74	31.15	17.526	
7,735.00	7,693.10	7,721.04	7,698.10	21.21	18.82	95.17	226.01	204.09	546.01	514.71	31.30	17.443	
7,829.00	7,787.09	7,815.03	7,792.09	21.38	18.88	80.52	226.01	204.09	545.92	514.49	31.44	17.365	
7,924.00	7,882.07	7,910.01	7,887.07	21.55	18.94	81.63	226.01	204.09	545.63	514.07	31.56	17.290	
8,018.00	7,976.05	8,003.99	7,981.05	21.69	19.00	65.53	226.01	204.09	545.07	513.42	31.65	17.220	
8,112.00	8,070.03	8,097.97	8,075.03	21.81	19.06	63.59	226.01	204.09	544.17	512.45	31.72	17.156	
8,207.00	8,165.01	8,192.95	8,170.01	21.86	19.12	27.77	226.01	204.09	543.08	511.34	31.74	17.110	
8,301.00	8,259.00	8,286.94	8,264.00	21.82	19.18	13.34	226.01	204.09	541.96	510.25	31.71	17.091	
8,395.00	8,353.00	8,380.94	8,358.00	21.84	19.24	63.75	226.01	204.09	541.10	509.38	31.73	17.055	
8,489.00	8,446.98	8,474.92	8,451.98	21.98	19.30	75.95	226.01	204.09	540.56	508.74	31.81	16.991	
8,516.46	8,474.43	8,502.37	8,479.43	22.02	19.31	90.00	226.01	204.09	540.49	508.62	31.87	16.959	
8,584.00	8,541.97	8,569.91	8,546.97	22.12	19.36	-157.38	226.01	204.09	540.91	508.91	32.00	16.903	
8,679.00	8,636.96	8,664.90	8,641.96	22.20	19.42	-147.79	226.01	204.09	542.49	510.23	32.26	16.816	
8,773.00	8,730.94	8,758.87	8,735.94	22.29	19.48	-166.53	226.01	204.09	544.34	511.81	32.53	16.734	
8,867.00	8,824.92	8,852.86	8,829.92	22.43	19.54	-177.23	226.01	204.09	545.82	513.01	32.81	16.636	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



Altitude Energy Partners

Anticollision Report



Company:	FME 3	Local Co-ordinate Reference:	Well Norte State Com 702H
Project:	Lea Co., NM (NAD-83)	TVD Reference:	KB=25' @ 3880.00usft (H&P 602)
Reference Site:	Eagle Norte Mega Pad	MD Reference:	KB=25' @ 3880.00usft (H&P 602)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Norte State Com 702H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	Pilot Hole	Database:	DM Local
Reference Design:	Plan #4	Offset TVD Reference:	Offset Datum

Offset Design: Eagle Norte Mega Pad - Eagle State Com 502H - OH - Plan #3													Offset Site Error: 0.00 usft
Survey Program: 0-MWD+HDGM													Offset Well Error: 0.00 usft
Reference	Offset	Semi Major Axis	Highside	Offset Wellbore Centre		Rule Assigned:			Warning				
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Offset	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
8,926.00	8,883.92	8,911.86	8,888.92	22.54	19.58	144.11	226.01	204.09	546.58	513.61	32.97	16.577	
9,027.00	8,984.90	9,012.84	8,989.90	22.81	19.64	119.17	226.01	204.09	547.80	514.54	33.25	16.473	
9,121.00	9,078.87	9,106.81	9,083.87	23.05	19.70	105.80	226.01	204.09	548.65	515.17	33.48	16.386	
9,215.00	9,172.86	9,200.80	9,177.86	23.28	19.77	129.40	226.01	204.09	549.28	515.57	33.71	16.295	
9,310.00	9,267.85	9,269.50	9,246.43	23.29	19.72	-36.09	222.49	204.12	550.64	516.88	33.76	16.309	
9,404.00	9,361.81	9,334.60	9,310.58	23.11	19.59	-5.83	211.64	204.23	555.31	521.67	33.64	16.509	
9,498.00	9,455.80	9,400.00	9,373.37	23.08	19.45	64.49	193.47	204.41	566.17	532.53	33.65	16.826	
9,592.00	9,549.80	9,450.00	9,419.75	23.08	19.34	-22.63	174.83	204.60	583.90	550.20	33.70	17.327	
9,686.00	9,643.80	9,500.00	9,464.33	22.96	19.23	-12.84	152.22	204.82	607.89	574.11	33.78	17.998	
9,780.00	9,737.79	9,550.00	9,506.76	22.90	19.12	35.91	125.80	205.09	638.05	604.13	33.92	18.809	
9,875.00	9,832.78	9,600.00	9,546.73	22.93	19.02	58.34	95.79	205.39	675.00	640.83	34.17	19.757	
9,969.00	9,926.76	9,635.78	9,573.65	22.88	18.96	-61.89	72.23	205.62	717.84	683.36	34.48	20.818	
10,063.00	10,020.73	9,670.50	9,598.32	22.70	18.90	-62.10	47.81	205.86	766.55	731.80	34.76	22.054	
10,158.00	10,115.71	9,700.00	9,618.09	22.53	18.86	-42.10	25.91	206.08	821.34	786.27	35.07	23.420	
10,252.00	10,209.71	9,728.63	9,636.17	22.37	18.83	-18.97	3.72	206.30	880.27	844.87	35.40	24.865	
10,346.00	10,303.70	9,750.00	9,648.93	22.24	18.81	-10.35	-13.42	206.47	943.45	907.69	35.76	26.382	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



Altitude Energy Partners

Anticollision Report



Company:	FME 3	Local Co-ordinate Reference:	Well Norte State Com 702H
Project:	Lea Co., NM (NAD-83)	TVD Reference:	KB=25' @ 3880.00usft (H&P 602)
Reference Site:	Eagle Norte Mega Pad	MD Reference:	KB=25' @ 3880.00usft (H&P 602)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Norte State Com 702H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	Pilot Hole	Database:	DM Local
Reference Design:	Plan #4	Offset TVD Reference:	Offset Datum

Offset Design: Eagle Norte Mega Pad - Eagle State Com 602H - OH - Plan #2													Offset Site Error:
Survey Program: 0-MWD+HDGM													Offset Well Error:
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Rule Assigned: Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	5.00	5.00	0.00	0.04	-127.16	-75.50	-99.60	124.98				
110.00	110.00	115.00	115.00	0.63	0.89	-58.68	-75.50	-99.60	124.85	123.33	1.51	82.413	
131.36	131.36	136.36	136.36	0.81	1.03	-87.65	-75.50	-99.60	124.82	123.01	1.81	68.788	
199.00	199.00	204.00	204.00	1.39	1.47	140.07	-75.50	-99.60	125.07	122.31	2.76	45.346	
288.00	287.99	292.99	292.99	1.74	1.86	99.33	-75.50	-99.60	125.47	121.94	3.53	35.582	
377.00	376.99	381.99	381.99	2.03	2.19	135.50	-75.50	-99.60	125.75	121.58	4.16	30.208	
446.00	445.99	450.99	450.99	2.18	2.42	115.67	-75.50	-99.60	126.14	121.59	4.55	27.743	
536.00	535.98	540.98	540.98	2.46	2.69	102.08	-75.50	-99.60	126.56	121.48	5.08	24.915	
624.00	623.97	628.97	628.97	2.72	2.93	139.99	-75.50	-99.60	127.16	121.60	5.56	22.886	
712.00	711.96	716.96	716.96	2.98	3.15	126.72	-75.50	-99.60	128.17	122.15	6.01	21.318	
802.00	801.92	806.92	806.92	3.26	3.37	155.79	-75.50	-99.60	130.26	123.78	6.48	20.094	
892.00	891.84	896.84	896.84	3.54	3.57	156.67	-75.50	-99.60	133.75	126.80	6.95	19.250	
982.00	981.77	986.77	986.77	3.82	3.76	155.48	-75.50	-99.60	136.88	129.47	7.41	18.481	
1,071.00	1,070.73	1,075.73	1,075.73	4.10	3.95	143.32	-75.50	-99.60	139.28	131.44	7.84	17.769	
1,161.00	1,160.69	1,165.69	1,165.69	4.38	4.12	95.47	-75.50	-99.60	140.64	132.36	8.28	16.991	
1,250.00	1,249.62	1,254.62	1,254.62	4.76	4.30	42.89	-75.50	-99.60	139.05	130.37	8.67	16.029	
1,339.00	1,338.44	1,343.44	1,343.44	4.93	4.46	15.61	-75.50	-99.60	134.05	125.13	8.92	15.025	
1,434.00	1,433.19	1,438.19	1,438.19	5.01	4.63	-7.97	-75.50	-99.60	127.24	118.10	9.14	13.922	
1,528.00	1,527.03	1,532.03	1,532.03	5.08	4.80	-22.46	-75.50	-99.60	122.12	112.71	9.41	12.975	
1,587.95	1,586.97	1,591.97	1,591.97	5.29	4.90	-89.99	-75.50	-99.60	120.96	111.33	9.63	12.561 CC, ES	
1,622.00	1,621.01	1,626.01	1,626.01	5.42	4.96	-154.43	-75.50	-99.60	121.33	111.58	9.75	12.444	
1,717.00	1,715.90	1,720.90	1,720.90	5.55	5.11	-157.43	-75.50	-99.60	125.37	115.15	10.22	12.268	
1,811.00	1,809.69	1,814.69	1,814.69	5.71	5.27	-176.04	-75.50	-99.60	131.49	120.93	10.56	12.452	
1,843.00	1,841.62	1,846.62	1,846.62	5.75	5.32	175.50	-75.50	-99.60	133.54	122.89	10.65	12.536	
1,997.00	1,995.31	2,000.00	2,000.00	6.27	5.56	-175.28	-75.50	-99.60	143.32	131.85	11.47	12.492	
2,092.00	2,090.08	2,092.37	2,092.36	6.46	5.73	-164.46	-75.31	-100.70	150.65	138.80	11.85	12.714	
2,186.00	2,183.80	2,183.25	2,183.18	6.83	5.89	-126.53	-74.74	-103.93	158.89	146.55	12.34	12.878	
2,280.00	2,277.39	2,274.46	2,274.22	7.02	6.01	-100.88	-73.78	-109.30	166.34	153.64	12.70	13.100	
2,374.00	2,370.85	2,370.64	2,370.14	7.07	6.16	-89.95	-71.21	-115.91	171.15	158.20	12.95	13.212	
2,469.00	2,465.23	2,468.13	2,467.26	7.10	6.36	-86.02	-66.13	-122.62	173.19	159.99	13.20	13.117	
2,563.00	2,558.63	2,563.53	2,562.17	7.14	6.54	-86.88	-59.00	-129.20	173.56	160.16	13.41	12.946	
2,657.00	2,651.90	2,657.51	2,655.63	7.19	6.75	-85.32	-51.62	-135.67	173.48	159.86	13.62	12.736	
2,751.00	2,744.94	2,751.44	2,749.05	7.24	6.98	-86.97	-44.23	-142.14	173.17	159.32	13.84	12.508	
2,845.00	2,837.93	2,845.36	2,842.45	7.32	7.22	-88.79	-36.85	-148.61	173.02	158.95	14.08	12.291	
2,940.00	2,931.79	2,940.23	2,936.81	7.43	7.48	-86.95	-29.40	-155.15	172.57	158.25	14.32	12.050	
3,034.00	3,024.38	3,034.01	3,030.07	7.55	7.75	-88.79	-22.03	-161.61	171.75	157.18	14.57	11.788	
3,128.00	3,116.88	3,127.75	3,123.30	7.72	8.02	-90.92	-14.66	-168.07	171.12	156.29	14.84	11.534	
3,222.00	3,209.50	3,221.53	3,216.57	7.93	8.30	-93.64	-7.29	-174.53	170.80	155.68	15.12	11.296	
3,316.00	3,302.24	3,315.37	3,309.89	8.16	8.60	-95.52	0.08	-180.99	170.72	155.30	15.42	11.071	
3,411.00	3,396.11	3,410.25	3,404.25	8.40	8.90	-96.65	7.54	-187.53	170.66	154.92	15.73	10.846	
3,418.43	3,403.45	3,417.66	3,411.63	8.42	8.92	-97.08	8.12	-188.04	170.66	154.89	15.76	10.827	
3,505.00	3,488.96	3,504.12	3,497.61	8.66	9.20	-102.01	14.91	-193.99	171.19	155.12	16.07	10.654	
3,599.00	3,581.67	3,597.94	3,590.92	8.94	9.51	-103.89	22.29	-200.46	172.52	156.09	16.43	10.499	
3,693.00	3,674.43	3,691.79	3,684.25	9.23	9.83	-105.43	29.66	-206.92	173.94	157.12	16.82	10.344	
3,787.00	3,767.36	3,785.69	3,777.63	9.52	10.15	-105.79	37.04	-213.39	175.04	157.84	17.20	10.176	
3,881.00	3,860.41	3,879.62	3,871.05	9.82	10.47	-107.04	44.42	-219.86	175.90	158.31	17.59	10.000	
3,975.00	3,953.41	3,973.54	3,964.45	10.13	10.80	-111.73	51.80	-226.33	177.37	159.37	18.00	9.853	
4,070.00	4,047.25	4,068.40	4,058.80	10.46	11.14	-115.49	59.26	-232.87	179.98	161.52	18.46	9.750	
4,164.00	4,140.12	4,162.28	4,152.16	10.79	11.47	-116.08	66.63	-239.33	182.80	163.87	18.93	9.657	
4,258.00	4,233.12	4,256.20	4,245.57	11.12	11.81	-116.62	74.01	-245.80	185.20	165.80	19.39	9.550	
4,352.00	4,326.18	4,350.13	4,338.98	11.45	12.15	-119.07	81.39	-252.28	187.58	167.72	19.86	9.445	
4,447.00	4,420.19	4,445.04	4,433.38	11.80	12.49	-122.48	88.85	-258.81	190.60	170.24	20.35	9.365	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



Altitude Energy Partners

Anticollision Report



Company:	FME 3	Local Co-ordinate Reference:	Well Norte State Com 702H
Project:	Lea Co., NM (NAD-83)	TVD Reference:	KB=25' @ 3880.00usft (H&P 602)
Reference Site:	Eagle Norte Mega Pad	MD Reference:	KB=25' @ 3880.00usft (H&P 602)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Norte State Com 702H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	Pilot Hole	Database:	DM Local
Reference Design:	Plan #4	Offset TVD Reference:	Offset Datum

Offset Design: Eagle Norte Mega Pad - Eagle State Com 602H - OH - Plan #2													Offset Site Error:
Survey Program: 0-MWD+HDGM													Offset Well Error:
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance Between Centres (usft)		Minimum Separation (usft)	Separation Factor	Warning
							+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Ellipses (usft)			
4,541.00	4,513.23	4,538.96	4,526.78	12.14	12.84	-121.87	96.23	-265.28	193.66	172.82	20.85	9.290	
4,635.00	4,606.20	4,632.86	4,620.17	12.50	13.18	-120.56	103.61	-271.75	196.65	175.28	21.37	9.203	
4,729.00	4,698.72	4,726.60	4,713.40	12.91	13.53	-119.63	110.98	-278.21	200.57	178.56	22.01	9.113	
4,823.00	4,791.00	4,820.25	4,806.53	13.28	13.88	-122.31	118.34	-284.66	205.15	182.45	22.70	9.036	
4,917.00	4,883.48	4,913.98	4,899.75	13.65	14.23	-123.89	125.70	-291.12	209.48	186.09	23.38	8.958	
5,012.00	4,977.10	5,008.77	4,994.02	14.03	14.59	-125.96	133.15	-297.65	213.55	189.49	24.05	8.877	
5,106.00	5,069.85	5,102.60	5,087.34	14.40	14.94	-126.91	140.53	-304.11	217.35	192.64	24.71	8.797	
5,200.00	5,162.69	5,196.47	5,180.69	14.77	15.29	-126.80	147.90	-310.58	220.75	195.40	25.35	8.707	
5,294.00	5,255.62	5,290.37	5,274.08	15.14	15.65	-128.70	155.28	-317.05	223.85	197.86	25.99	8.613	
5,389.00	5,349.59	5,385.28	5,368.47	15.51	16.01	-129.84	162.74	-323.59	226.93	200.31	26.62	8.524	
5,483.00	5,442.65	5,479.21	5,461.88	15.88	16.37	-130.38	170.12	-330.06	229.73	202.49	27.24	8.434	
5,577.00	5,536.00	5,573.19	5,555.35	16.29	16.73	-134.31	177.50	-336.53	231.21	203.43	27.79	8.321	
5,672.00	5,630.66	5,668.16	5,649.80	16.63	17.10	-137.06	184.97	-343.08	231.08	202.89	28.18	8.200	
5,766.00	5,724.39	5,762.11	5,743.23	16.96	17.46	-135.23	192.35	-349.55	230.57	202.05	28.53	8.082	
5,860.00	5,818.24	5,855.96	5,836.57	17.33	17.82	-137.92	199.73	-356.01	228.57	199.77	28.80	7.936	
5,955.00	5,913.22	5,950.61	5,930.70	17.58	18.18	-150.66	207.16	-362.53	224.58	195.75	28.84	7.788	
6,049.00	6,007.21	6,041.56	6,021.26	17.81	18.51	-140.58	213.50	-368.09	221.21	192.37	28.84	7.669	
6,143.00	6,101.20	6,132.81	6,112.29	18.04	18.84	-149.64	218.23	-372.24	219.26	190.32	28.94	7.576	
6,238.00	6,196.19	6,225.22	6,204.60	18.28	19.15	-145.90	221.35	-374.97	218.44	189.33	29.11	7.504	
6,277.84	6,236.02	6,264.00	6,243.37	18.37	19.26	-135.63	222.16	-375.68	218.40	189.20	29.20	7.481	
6,321.00	6,279.18	6,306.02	6,285.38	18.48	19.38	-123.41	222.70	-376.16	218.45	189.14	29.31	7.453	
6,416.00	6,374.17	6,399.81	6,379.17	18.70	19.45	-118.49	222.90	-376.33	218.88	189.36	29.53	7.413	
6,510.00	6,468.17	6,493.81	6,473.17	18.90	19.51	-117.63	222.90	-376.33	219.24	189.48	29.76	7.368	
6,604.00	6,562.17	6,587.81	6,567.17	19.10	19.56	-133.17	222.90	-376.33	219.63	189.64	29.99	7.323	
6,698.00	6,656.16	6,681.80	6,661.16	19.31	19.61	-120.20	222.90	-376.33	220.04	189.81	30.23	7.278	
6,792.00	6,750.16	6,775.80	6,755.16	19.49	19.66	-169.61	222.90	-376.33	220.57	190.09	30.48	7.237	
6,887.00	6,845.16	6,870.80	6,850.16	19.68	19.71	-159.78	222.90	-376.33	221.24	190.50	30.75	7.196	
6,981.00	6,939.16	6,964.80	6,944.16	19.84	19.77	-167.90	222.90	-376.33	222.05	191.05	31.00	7.162	
7,075.00	7,033.15	7,058.79	7,038.15	20.00	19.82	-177.08	222.90	-376.33	223.17	191.90	31.27	7.137	
7,169.00	7,127.14	7,152.78	7,132.14	20.16	19.87	-172.95	222.90	-376.33	224.31	192.77	31.54	7.112	
7,264.00	7,222.14	7,247.78	7,227.14	20.33	19.93	-171.82	222.90	-376.33	225.37	193.56	31.81	7.084	
7,358.00	7,316.13	7,341.77	7,321.13	20.51	19.98	-175.81	222.90	-376.33	226.33	194.25	32.09	7.054	
7,452.00	7,410.13	7,435.77	7,415.13	20.66	20.03	-173.39	222.90	-376.33	227.27	194.92	32.35	7.026	
7,547.00	7,505.12	7,530.76	7,510.12	20.83	20.09	-176.74	222.90	-376.33	228.33	195.71	32.62	6.999	
7,641.00	7,599.11	7,624.75	7,604.11	21.02	20.14	-177.26	222.90	-376.33	229.52	196.61	32.90	6.975	
7,735.00	7,693.10	7,718.74	7,698.10	21.21	20.19	-178.13	222.90	-376.33	230.80	197.60	33.19	6.954	
7,829.00	7,787.09	7,812.73	7,792.09	21.38	20.25	-167.11	222.90	-376.33	232.29	198.82	33.47	6.941	
7,924.00	7,882.07	7,907.71	7,887.07	21.55	20.30	-168.12	222.90	-376.33	234.16	200.42	33.74	6.940	
8,018.00	7,976.05	8,001.69	7,981.05	21.69	20.36	-151.98	222.90	-376.33	236.01	202.02	33.99	6.944	
8,112.00	8,070.03	8,095.67	8,075.03	21.81	20.41	-150.08	222.90	-376.33	237.85	203.65	34.20	6.954	
8,207.00	8,165.01	8,190.65	8,170.01	21.86	20.47	-114.41	222.90	-376.33	239.11	204.74	34.36	6.958	
8,301.00	8,259.00	8,284.64	8,264.00	21.82	20.52	-100.21	222.90	-376.33	239.47	205.02	34.45	6.952	
8,395.00	8,353.00	8,378.64	8,358.00	21.84	20.57	-150.75	222.90	-376.33	240.18	205.58	34.59	6.943	
8,489.00	8,446.98	8,472.62	8,451.98	21.98	20.63	-162.93	222.90	-376.33	241.73	206.89	34.84	6.939	
8,584.00	8,541.97	8,567.61	8,546.97	22.12	20.69	-70.55	222.90	-376.33	242.47	207.42	35.05	6.919	
8,679.00	8,636.96	8,662.60	8,641.96	22.20	20.74	-61.26	222.90	-376.33	241.69	206.52	35.18	6.871	
8,773.00	8,730.94	8,756.57	8,735.94	22.29	20.80	-80.36	222.90	-376.33	240.99	205.65	35.34	6.820	
8,858.59	8,816.51	8,842.15	8,821.51	22.42	20.85	-90.00	222.90	-376.33	240.85	205.34	35.51	6.782	
8,867.00	8,824.92	8,850.56	8,829.92	22.43	20.85	-91.38	222.90	-376.33	240.86	205.33	35.53	6.779	
8,926.00	8,883.92	8,909.56	8,888.92	22.54	20.89	-130.23	222.90	-376.33	241.17	205.50	35.67	6.761	
9,027.00	8,984.90	9,010.54	8,989.90	22.81	20.95	-155.59	222.90	-376.33	242.75	206.72	36.02	6.738	
9,121.00	9,078.87	9,104.51	9,083.87	23.05	21.00	-169.34	222.90	-376.33	244.89	208.53	36.37	6.734	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



Altitude Energy Partners

Anticollision Report



Company:	FME 3	Local Co-ordinate Reference:	Well Norte State Com 702H
Project:	Lea Co., NM (NAD-83)	TVD Reference:	KB=25' @ 3880.00usft (H&P 602)
Reference Site:	Eagle Norte Mega Pad	MD Reference:	KB=25' @ 3880.00usft (H&P 602)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Norte State Com 702H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	Pilot Hole	Database:	DM Local
Reference Design:	Plan #4	Offset TVD Reference:	Offset Datum

Offset Design: Eagle Norte Mega Pad - Eagle State Com 602H - OH - Plan #2													Offset Site Error: 0.00 usft
Survey Program: 0-MWD+HDGM													Offset Well Error: 0.00 usft
Reference	Offset	Semi Major Axis	Highside	Offset Wellbore Centre		Rule Assigned:		Distance		Minimum	Separation	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Offset	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Separation (usft)		
9,215.00	9,172.86	9,198.50	9,177.86	23.28	21.06	-146.02	222.90	-376.33	246.46	209.78	36.68	6.720	
9,310.00	9,267.85	9,293.48	9,272.85	23.29	21.11	48.36	222.90	-376.33	245.96	209.13	36.83	6.678	
9,404.00	9,361.81	9,387.45	9,366.81	23.11	21.17	78.23	222.90	-376.33	244.81	208.10	36.71	6.669	
9,442.26	9,400.06	9,425.70	9,405.06	23.10	21.19	90.02	222.90	-376.33	244.71	207.99	36.72	6.663	
9,498.00	9,455.80	9,481.44	9,460.80	23.08	21.23	147.28	222.90	-376.33	244.93	208.15	36.78	6.660 SF	
9,592.00	9,549.80	9,550.00	9,529.29	23.08	21.23	58.25	220.60	-376.31	248.64	211.98	36.65	6.783	
9,686.00	9,643.80	9,618.94	9,597.42	22.96	21.09	65.36	210.33	-376.20	261.84	225.37	36.46	7.181	
9,780.00	9,737.79	9,681.50	9,657.77	22.90	20.95	110.93	193.98	-376.04	285.24	248.87	36.37	7.842	
9,875.00	9,832.78	9,740.31	9,712.58	22.93	20.81	129.95	172.70	-375.83	318.97	282.55	36.41	8.760	
9,969.00	9,926.76	9,800.00	9,765.66	22.88	20.67	5.62	145.48	-375.56	359.30	322.85	36.45	9.858	
10,063.00	10,020.73	9,850.00	9,807.76	22.70	20.55	2.79	118.53	-375.29	405.57	369.18	36.40	11.143	
10,158.00	10,115.71	9,887.59	9,837.77	22.53	20.47	20.75	95.91	-375.06	459.66	423.22	36.44	12.615	
10,252.00	10,209.71	9,926.62	9,867.29	22.37	20.40	41.66	70.39	-374.80	519.39	482.79	36.60	14.191	
10,346.00	10,303.70	9,950.00	9,884.12	22.24	20.35	48.95	54.16	-374.64	584.24	547.38	36.86	15.850	
10,440.00	10,397.70	10,000.00	9,917.80	22.20	20.28	120.55	17.23	-374.27	653.01	615.85	37.15	17.576	
10,534.00	10,491.70	10,018.85	9,929.64	22.27	20.26	132.94	2.57	-374.13	725.38	687.82	37.57	19.310	
10,628.00	10,585.68	10,050.00	9,948.14	22.41	20.22	152.31	-22.49	-373.87	801.10	763.14	37.96	21.103	
10,723.00	10,680.64	10,050.00	9,948.14	22.59	20.22	153.31	-22.49	-373.87	880.46	842.00	38.46	22.895	
10,817.00	10,774.57	10,082.39	9,965.89	22.78	20.20	153.54	-49.57	-373.60	960.61	921.76	38.85	24.728	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



Altitude Energy Partners

Anticollision Report



Company:	FME 3	Local Co-ordinate Reference:	Well Norte State Com 702H
Project:	Lea Co., NM (NAD-83)	TVD Reference:	KB=25' @ 3880.00usft (H&P 602)
Reference Site:	Eagle Norte Mega Pad	MD Reference:	KB=25' @ 3880.00usft (H&P 602)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Norte State Com 702H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	Pilot Hole	Database:	DM Local
Reference Design:	Plan #4	Offset TVD Reference:	Offset Datum

Offset Design: Eagle Norte Mega Pad - Eagle State Com 701H - OH - Plan #2													Offset Site Error:
Survey Program: 0-MWD+HDGM													Offset Well Error:
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Rule Assigned: Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
3,881.00	3,860.41	3,996.26	3,980.31	9.82	11.39	-52.34	137.23	-1,106.94	986.03	966.88	19.15	51.502	
3,975.00	3,953.41	4,088.23	4,071.39	10.13	11.74	-56.31	144.88	-1,096.69	967.05	947.43	19.62	49.279	
4,070.00	4,047.25	4,181.14	4,163.39	10.46	12.09	-59.13	152.61	-1,086.33	947.96	927.84	20.12	47.106	
4,164.00	4,140.12	4,273.13	4,254.48	10.79	12.45	-58.71	160.26	-1,076.08	929.36	908.73	20.63	45.059	
4,258.00	4,233.12	4,365.21	4,345.68	11.12	12.80	-58.46	167.93	-1,065.82	911.10	889.97	21.13	43.119	
4,352.00	4,326.18	4,457.38	4,436.95	11.45	13.16	-60.40	175.60	-1,055.54	893.17	871.54	21.64	41.278	
4,447.00	4,420.19	4,550.56	4,529.22	11.80	13.53	-63.41	183.35	-1,045.16	875.39	853.23	22.16	39.502	
4,541.00	4,513.23	4,642.80	4,620.56	12.14	13.90	-62.31	191.02	-1,034.88	858.02	835.34	22.68	37.829	
4,635.00	4,606.20	4,732.81	4,709.70	12.50	14.25	-60.66	198.50	-1,024.86	840.09	816.89	23.20	36.212	
4,729.00	4,698.72	4,810.05	4,786.32	12.91	14.55	-59.05	204.33	-1,017.05	821.37	797.63	23.74	34.603	
4,823.00	4,791.00	4,887.45	4,863.28	13.28	14.85	-60.32	209.24	-1,010.47	803.52	779.25	24.27	33.105	
4,917.00	4,883.48	4,965.34	4,940.89	13.65	15.14	-60.89	213.25	-1,005.11	788.05	763.26	24.79	31.790	
5,012.00	4,977.10	5,044.47	5,019.84	14.03	15.42	-62.27	216.34	-1,000.97	774.78	749.49	25.29	30.632	
5,106.00	5,069.85	5,123.05	5,098.34	14.40	15.68	-62.84	218.44	-998.15	763.90	738.13	25.77	29.646	
5,200.00	5,162.69	5,200.00	5,175.27	14.77	15.91	-62.47	219.57	-996.64	755.02	728.82	26.21	28.811	
5,294.00	5,255.62	5,285.35	5,260.62	15.14	16.00	-64.40	219.80	-996.33	748.23	721.72	26.51	28.222	
5,389.00	5,349.59	5,379.32	5,354.59	15.51	16.05	-65.80	219.80	-996.33	742.31	715.51	26.80	27.698	
5,483.00	5,442.65	5,472.38	5,447.65	15.88	16.11	-66.68	219.80	-996.33	736.92	709.83	27.08	27.211	
5,577.00	5,536.00	5,565.73	5,541.00	16.29	16.17	-71.22	219.80	-996.33	732.90	705.56	27.34	26.805	
5,672.00	5,630.66	5,660.39	5,635.66	16.63	16.23	-75.14	219.80	-996.33	730.55	702.98	27.56	26.503	
5,766.00	5,724.39	5,754.12	5,729.39	16.96	16.29	-74.61	219.80	-996.33	728.66	700.89	27.77	26.235	
5,860.00	5,818.24	5,847.97	5,823.24	17.33	16.34	-78.84	219.80	-996.33	727.43	699.47	27.96	26.015	
5,943.24	5,901.47	5,931.20	5,906.47	17.55	16.40	-90.00	219.80	-996.33	727.21	699.12	28.09	25.888	
5,955.00	5,913.22	5,942.95	5,918.22	17.58	16.40	-93.57	219.80	-996.33	727.22	699.11	28.11	25.871	
6,049.00	6,007.21	6,036.94	6,012.21	17.81	16.46	-85.24	219.80	-996.33	727.18	698.93	28.25	25.744	
6,096.97	6,055.17	6,084.90	6,060.17	17.93	16.49	-90.00	219.80	-996.33	727.14	698.83	28.32	25.679	
6,143.00	6,101.20	6,130.93	6,106.20	18.04	16.52	-95.62	219.80	-996.33	727.18	698.79	28.38	25.619	
6,238.00	6,196.19	6,225.92	6,201.19	18.28	16.58	-92.75	219.80	-996.33	727.28	698.76	28.52	25.501	
6,321.00	6,279.18	6,308.91	6,284.18	18.48	16.64	-70.55	219.80	-996.33	727.12	698.48	28.64	25.389	
6,416.00	6,374.17	6,403.90	6,379.17	18.70	16.70	-65.53	219.80	-996.33	726.73	697.94	28.79	25.241	
6,510.00	6,468.17	6,497.90	6,473.17	18.90	16.76	-64.55	219.80	-996.33	726.41	697.47	28.94	25.100	
6,604.00	6,562.17	6,591.90	6,567.17	19.10	16.82	-80.00	219.80	-996.33	726.20	697.11	29.08	24.969	
6,698.00	6,656.16	6,685.90	6,661.16	19.31	16.88	-66.93	219.80	-996.33	726.00	696.77	29.23	24.839	
6,743.21	6,701.38	6,731.11	6,706.38	19.40	16.91	-90.02	219.80	-996.33	725.93	696.64	29.29	24.785 CC, ES	
6,792.00	6,750.16	6,779.89	6,755.16	19.49	16.94	-116.29	219.80	-996.33	726.01	696.65	29.36	24.731	
6,887.00	6,845.16	6,874.89	6,850.16	19.68	17.00	-106.46	219.80	-996.33	726.26	696.79	29.47	24.643	
6,981.00	6,939.16	6,968.89	6,944.16	19.84	17.06	-138.83	219.80	-996.33	726.73	697.16	29.58	24.572	
7,075.00	7,033.15	7,062.88	7,038.15	20.00	17.12	-123.90	219.80	-996.33	727.46	697.79	29.67	24.515	
7,169.00	7,127.14	7,156.87	7,132.14	20.16	17.18	-133.95	219.80	-996.33	728.17	698.40	29.78	24.454	
7,264.00	7,222.14	7,251.87	7,227.14	20.33	17.24	-118.78	219.80	-996.33	728.80	698.91	29.89	24.385	
7,358.00	7,316.13	7,345.86	7,321.13	20.51	17.31	-131.20	219.80	-996.33	729.34	699.34	30.00	24.313	
7,452.00	7,410.13	7,439.86	7,415.13	20.66	17.37	-133.70	219.80	-996.33	729.98	699.88	30.10	24.248	
7,547.00	7,505.12	7,534.85	7,510.12	20.83	17.43	-123.90	219.80	-996.33	730.64	700.42	30.22	24.179	
7,641.00	7,599.11	7,628.84	7,604.11	21.02	17.49	-124.49	219.80	-996.33	731.31	700.98	30.34	24.108	
7,735.00	7,693.10	7,722.83	7,698.10	21.21	17.55	-125.42	219.80	-996.33	732.04	701.59	30.45	24.038	
7,829.00	7,787.09	7,816.82	7,792.09	21.38	17.62	-140.31	219.80	-996.33	733.09	702.52	30.57	23.981	
7,924.00	7,882.07	7,911.80	7,887.07	21.55	17.68	-139.50	219.80	-996.33	734.56	703.87	30.69	23.936	
8,018.00	7,976.05	8,005.78	7,981.05	21.69	17.74	-155.88	219.80	-996.33	736.22	705.41	30.80	23.901	
8,112.00	8,070.03	8,099.76	8,075.03	21.81	17.80	-158.08	219.80	-996.33	738.16	707.24	30.92	23.876	
8,207.00	8,165.01	8,194.74	8,170.01	21.86	17.87	-165.93	219.80	-996.33	739.85	708.82	31.02	23.847	
8,301.00	8,259.00	8,288.73	8,264.00	21.82	17.93	-151.49	219.80	-996.33	740.97	709.85	31.12	23.809	
8,395.00	8,353.00	8,382.73	8,358.00	21.84	17.99	-158.17	219.80	-996.33	742.11	710.88	31.23	23.762	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



Altitude Energy Partners

Anticollision Report



Company:	FME 3	Local Co-ordinate Reference:	Well Norte State Com 702H
Project:	Lea Co., NM (NAD-83)	TVD Reference:	KB=25' @ 3880.00usft (H&P 602)
Reference Site:	Eagle Norte Mega Pad	MD Reference:	KB=25' @ 3880.00usft (H&P 602)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Norte State Com 702H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	Pilot Hole	Database:	DM Local
Reference Design:	Plan #4	Offset TVD Reference:	Offset Datum

Offset Design: Eagle Norte Mega Pad - Eagle State Com 701H - OH - Plan #2													Offset Site Error: 0.00 usft
Survey Program: 0-MWD+HDGM													Offset Well Error: 0.00 usft
Reference	Offset	Semi Major Axis	Highside	Offset Wellbore Centre		Rule Assigned:		Distance		Minimum	Separation	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Separation (usft)		
8,489.00	8,446.98	8,476.71	8,451.98	21.98	18.05	-146.20	219.80	-996.33	743.57	712.21	31.36	23.709	
8,584.00	8,541.97	8,571.71	8,546.97	22.12	18.12	-19.68	219.80	-996.33	743.80	712.31	31.49	23.618	
8,679.00	8,636.96	8,666.69	8,641.96	22.20	18.18	-10.03	219.80	-996.33	742.05	710.44	31.61	23.476	
8,773.00	8,730.94	8,760.67	8,735.94	22.29	18.24	-28.73	219.80	-996.33	740.12	708.40	31.73	23.326	
8,867.00	8,824.92	8,854.65	8,829.92	22.43	18.31	-39.46	219.80	-996.33	738.86	707.01	31.86	23.191	
8,926.00	8,883.92	8,913.65	8,888.92	22.54	18.35	-78.20	219.80	-996.33	738.47	706.54	31.93	23.125	
8,964.21	8,922.12	8,951.85	8,927.12	22.64	18.37	-90.00	219.80	-996.33	738.41	706.42	32.00	23.079	
9,027.00	8,984.90	9,014.63	8,989.90	22.81	18.41	-103.44	219.80	-996.33	738.58	706.48	32.10	23.011	
9,121.00	9,078.87	9,108.60	9,083.87	23.05	18.48	-117.19	219.80	-996.33	739.37	707.13	32.25	22.930	
9,215.00	9,172.86	9,202.59	9,177.86	23.28	18.54	-93.88	219.80	-996.33	739.95	707.56	32.39	22.846	
9,310.00	9,267.85	9,297.58	9,272.85	23.29	18.60	100.37	219.80	-996.33	740.23	707.51	32.72	22.625	
9,404.00	9,361.81	9,391.54	9,366.81	23.11	18.67	129.90	219.80	-996.33	741.25	708.47	32.79	22.608	
9,498.00	9,455.80	9,485.53	9,460.80	23.08	18.73	-161.30	219.80	-996.33	742.44	709.56	32.89	22.576	
9,592.00	9,549.80	9,579.53	9,554.80	23.08	18.80	109.79	219.80	-996.33	742.91	709.92	32.99	22.519	
9,686.00	9,643.80	9,673.53	9,648.80	22.96	18.86	117.69	219.80	-996.33	743.10	710.02	33.08	22.464 SF	
9,780.00	9,737.79	9,750.00	9,725.27	22.90	18.88	164.44	219.41	-996.33	744.16	711.04	33.12	22.471	
9,875.00	9,832.78	9,823.83	9,798.66	22.93	18.78	-175.79	211.93	-996.25	748.94	715.82	33.12	22.615	
9,969.00	9,926.76	9,888.10	9,861.32	22.88	18.68	59.81	197.79	-996.11	756.06	722.85	33.21	22.764	
10,063.00	10,020.73	9,950.00	9,919.81	22.70	18.57	56.90	177.62	-995.91	765.66	732.45	33.21	23.056	
10,158.00	10,115.71	10,000.00	9,965.25	22.53	18.49	74.57	156.80	-995.70	780.69	747.42	33.27	23.468	
10,252.00	10,209.71	10,050.00	10,008.70	22.37	18.40	94.87	132.09	-995.45	801.35	767.96	33.39	23.997	
10,346.00	10,303.70	10,100.00	10,049.84	22.24	18.33	100.75	103.69	-995.17	827.73	794.13	33.60	24.638	
10,440.00	10,397.70	10,150.00	10,088.34	22.20	18.27	171.57	71.82	-994.85	860.21	826.33	33.89	25.386	
10,534.00	10,491.70	10,178.91	10,109.28	22.27	18.25	-176.61	51.90	-994.65	898.85	864.54	34.31	26.199	
10,628.00	10,585.68	10,200.00	10,123.91	22.41	18.23	-157.28	36.71	-994.50	943.72	908.90	34.82	27.105	
10,723.00	10,680.64	10,250.00	10,156.29	22.59	18.21	-158.19	-1.37	-994.11	994.73	959.43	35.30	28.179	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



Altitude Energy Partners

Anticollision Report



Company:	FME 3	Local Co-ordinate Reference:	Well Norte State Com 702H
Project:	Lea Co., NM (NAD-83)	TVD Reference:	KB=25' @ 3880.00usft (H&P 602)
Reference Site:	Eagle Norte Mega Pad	MD Reference:	KB=25' @ 3880.00usft (H&P 602)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Norte State Com 702H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	Pilot Hole	Database:	DM Local
Reference Design:	Plan #4	Offset TVD Reference:	Offset Datum

Offset Design: Eagle Norte Mega Pad - Eagle State Com 702H - OH - Plan #3													Offset Site Error:
Survey Program: 0-MWD+HDGM													Offset Well Error:
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Rule Assigned: Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	5.00	5.00	0.00	0.04	-135.29	-75.37	-74.60	106.05				
110.00	110.00	115.00	115.00	0.63	0.89	-66.83	-75.37	-74.60	105.94	104.43	1.51	69.961	
129.67	129.67	134.67	134.67	0.79	1.02	-89.95	-75.37	-74.60	105.93	104.13	1.80	58.985	
199.00	199.00	204.00	204.00	1.39	1.47	131.94	-75.37	-74.60	106.15	103.37	2.78	38.155	
288.00	287.99	292.99	292.99	1.74	1.86	91.28	-75.37	-74.60	106.45	102.91	3.54	30.036	
377.00	376.99	381.99	381.99	2.03	2.19	127.51	-75.37	-74.60	106.64	102.46	4.18	25.539	
446.00	445.99	450.99	450.99	2.18	2.42	107.76	-75.37	-74.60	106.94	102.39	4.56	23.475	
536.00	535.98	540.98	540.98	2.46	2.69	94.30	-75.37	-74.60	107.20	102.12	5.08	21.091	
624.00	623.97	628.97	628.97	2.72	2.93	132.32	-75.37	-74.60	107.66	102.11	5.55	19.390	
712.00	711.96	716.96	716.96	2.98	3.15	119.21	-75.37	-74.60	108.52	102.52	6.00	18.086	
802.00	801.92	806.92	806.92	3.26	3.37	148.53	-75.37	-74.60	110.41	103.95	6.46	17.091	
892.00	891.84	896.84	896.84	3.54	3.57	149.73	-75.37	-74.60	113.68	106.77	6.91	16.443	
982.00	981.77	986.77	986.77	3.82	3.76	148.83	-75.37	-74.60	116.63	109.27	7.36	15.843	
1,071.00	1,070.73	1,075.73	1,075.73	4.10	3.95	136.90	-75.37	-74.60	118.85	111.07	7.78	15.270	
1,161.00	1,160.69	1,165.69	1,165.69	4.38	4.12	89.28	-75.37	-74.60	119.95	111.73	8.22	14.601	
1,250.00	1,249.62	1,254.62	1,254.62	4.76	4.30	36.82	-75.37	-74.60	118.04	109.45	8.59	13.740	
1,339.00	1,338.44	1,343.44	1,343.44	4.93	4.46	9.45	-75.37	-74.60	112.81	103.97	8.84	12.759	
1,434.00	1,433.19	1,438.19	1,438.19	5.01	4.63	-14.48	-75.37	-74.60	105.98	96.91	9.07	11.680	
1,528.00	1,527.03	1,532.03	1,532.03	5.08	4.80	-29.40	-75.37	-74.60	101.05	91.69	9.36	10.799	
1,585.49	1,584.50	1,589.50	1,589.50	5.28	4.89	-89.99	-75.37	-74.60	99.99	90.44	9.55	10.467	
1,622.00	1,621.01	1,626.01	1,626.01	5.42	4.96	-161.54	-75.37	-74.60	100.42	90.74	9.67	10.380	
1,717.00	1,715.90	1,720.90	1,720.90	5.55	5.11	-164.44	-75.37	-74.60	104.64	94.48	10.15	10.305	
1,811.00	1,809.69	1,814.69	1,814.69	5.71	5.27	177.23	-75.37	-74.60	110.89	100.40	10.49	10.571	
1,843.00	1,841.62	1,846.62	1,846.62	5.75	5.32	168.88	-75.37	-74.60	112.92	102.34	10.58	10.674	
1,997.00	1,995.31	2,000.32	2,000.32	6.27	5.56	178.62	-75.37	-74.60	122.65	111.26	11.40	10.761	
2,092.00	2,090.08	2,097.69	2,097.68	6.46	5.74	-170.30	-74.16	-74.28	128.24	116.44	11.80	10.872	
2,186.00	2,183.80	2,194.24	2,194.15	6.83	5.94	-132.48	-70.60	-73.32	131.51	119.20	12.30	10.690	
2,280.00	2,277.39	2,290.97	2,290.69	7.02	6.06	-107.44	-64.71	-71.69	130.85	118.17	12.68	10.317	
2,374.00	2,370.85	2,387.79	2,387.17	7.07	6.26	-98.12	-57.25	-68.35	125.76	112.80	12.96	9.704	
2,469.00	2,465.23	2,483.41	2,482.28	7.10	6.42	-97.18	-48.87	-63.31	117.70	104.53	13.17	8.934	
2,563.00	2,558.63	2,576.65	2,575.01	7.14	6.63	-102.15	-40.58	-58.19	109.73	96.27	13.46	8.154	
2,657.00	2,651.90	2,669.77	2,667.62	7.19	6.86	-105.81	-32.29	-53.08	102.66	88.88	13.78	7.452	
2,751.00	2,744.94	2,762.70	2,760.04	7.24	7.10	-113.75	-24.03	-47.99	97.32	83.20	14.12	6.894	
2,845.00	2,837.93	2,855.61	2,852.44	7.32	7.35	-122.52	-15.77	-42.89	94.08	79.61	14.47	6.500	
2,921.18	2,913.23	2,930.83	2,927.25	7.40	7.57	-127.01	-9.08	-38.76	93.10	78.34	14.76	6.306 CC	
2,940.00	2,931.79	2,949.37	2,945.69	7.43	7.62	-128.35	-7.43	-37.75	93.17	78.34	14.83	6.281 ES, SF	
3,034.00	3,024.38	3,041.85	3,037.66	7.55	7.89	-137.96	0.79	-32.67	95.73	80.58	15.15	6.321	
3,128.00	3,116.88	3,134.26	3,129.57	7.72	8.17	-147.13	9.01	-27.61	101.41	85.98	15.43	6.574	
3,222.00	3,209.50	3,226.76	3,221.56	7.93	8.46	-155.78	17.23	-22.53	109.00	93.32	15.69	6.948	
3,316.00	3,302.24	3,319.39	3,313.68	8.16	8.75	-162.56	25.47	-17.45	117.74	101.79	15.95	7.382	
3,411.00	3,396.11	3,413.11	3,406.89	8.40	9.06	-167.86	33.80	-12.31	127.18	110.96	16.22	7.842	
3,505.00	3,488.96	3,505.86	3,499.13	8.66	9.36	-176.39	42.05	-7.22	137.82	121.32	16.50	8.354	
3,599.00	3,581.67	3,598.55	3,591.32	8.94	9.67	179.73	50.30	-2.14	150.14	133.34	16.80	8.935	
3,693.00	3,674.43	3,691.27	3,683.53	9.23	9.99	176.67	58.54	2.95	162.76	145.63	17.12	9.506	
3,787.00	3,767.36	3,784.12	3,775.87	9.52	10.31	174.83	66.80	8.04	174.75	157.30	17.45	10.016	
3,881.00	3,860.41	3,877.05	3,868.29	9.82	10.63	172.12	75.06	13.14	186.35	168.57	17.78	10.480	
3,975.00	3,953.41	3,969.98	3,960.71	10.13	10.96	166.38	83.32	18.24	198.55	180.42	18.13	10.949	
4,070.00	4,047.25	4,063.86	4,054.08	10.46	11.30	162.27	91.67	23.39	211.86	193.34	18.52	11.441	
4,164.00	4,140.12	4,156.79	4,146.50	10.79	11.63	161.58	99.94	28.48	224.97	206.07	18.90	11.900	
4,258.00	4,233.12	4,249.80	4,239.01	11.12	11.97	160.73	108.21	33.58	237.47	218.18	19.29	12.309	
4,352.00	4,326.18	4,342.87	4,331.56	11.45	12.30	157.88	116.48	38.69	249.66	229.97	19.68	12.683	
4,447.00	4,420.19	4,436.95	4,425.13	11.80	12.65	154.24	124.85	43.85	262.12	242.03	20.09	13.045	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



Altitude Energy Partners

Anticollision Report



Company:	FME 3	Local Co-ordinate Reference:	Well Norte State Com 702H
Project:	Lea Co., NM (NAD-83)	TVD Reference:	KB=25' @ 3880.00usft (H&P 602)
Reference Site:	Eagle Norte Mega Pad	MD Reference:	KB=25' @ 3880.00usft (H&P 602)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Norte State Com 702H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	Pilot Hole	Database:	DM Local
Reference Design:	Plan #4	Offset TVD Reference:	Offset Datum

Offset Design: Eagle Norte Mega Pad - Eagle State Com 702H - OH - Plan #3													Offset Site Error:
Survey Program: 0-MWD+HDGM													Offset Well Error:
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance Between Centres (usft)		Minimum Separation (usft)	Separation Factor	Warning
							+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
4,541.00	4,513.23	4,530.07	4,517.74	12.14	12.99	154.77	133.13	48.96	274.32	253.82	20.50	13.380	
4,635.00	4,606.20	4,623.09	4,610.25	12.50	13.34	156.08	141.40	54.06	287.22	266.30	20.92	13.728	
4,729.00	4,698.72	4,715.71	4,702.36	12.91	13.68	157.80	149.64	59.14	302.88	281.48	21.41	14.147	
4,823.00	4,791.00	4,808.12	4,794.27	13.28	14.03	156.55	157.85	64.21	319.85	297.99	21.87	14.628	
4,917.00	4,883.48	4,900.70	4,886.34	13.65	14.37	156.06	166.09	69.29	335.87	313.55	22.32	15.048	
5,012.00	4,977.10	4,994.40	4,979.52	14.03	14.73	154.80	174.42	74.43	351.21	328.44	22.78	15.420	
5,106.00	5,069.85	5,087.20	5,071.82	14.40	15.08	154.44	182.67	79.52	365.79	342.56	23.23	15.747	
5,200.00	5,162.69	5,180.06	5,164.18	14.77	15.43	155.02	190.93	84.61	379.95	356.27	23.68	16.045	
5,294.00	5,255.62	5,272.99	5,256.60	15.14	15.79	153.41	199.19	89.71	393.64	369.51	24.13	16.313	
5,389.00	5,349.59	5,366.97	5,350.06	15.51	16.13	152.46	207.55	94.86	407.07	382.50	24.57	16.569	
5,483.00	5,442.65	5,461.17	5,443.85	15.88	16.48	152.16	214.98	99.45	419.81	394.80	25.01	16.788	
5,577.00	5,536.00	5,555.80	5,538.25	16.29	16.82	148.28	220.46	102.83	430.06	404.57	25.48	16.877	
5,672.00	5,630.66	5,651.77	5,634.14	16.63	17.13	145.00	223.99	105.00	437.25	411.35	25.90	16.885	
5,766.00	5,724.39	5,746.76	5,729.11	16.96	17.35	146.38	225.46	105.91	443.40	417.12	26.28	16.870	
5,860.00	5,818.24	5,840.89	5,823.24	17.33	17.42	142.92	225.51	105.94	447.53	420.86	26.67	16.780	
5,955.00	5,913.22	5,935.88	5,918.22	17.58	17.48	128.49	225.51	105.94	448.89	421.94	26.96	16.653	
6,049.00	6,007.21	6,029.86	6,012.21	17.81	17.54	137.06	225.51	105.94	449.86	422.64	27.22	16.526	
6,143.00	6,101.20	6,123.85	6,106.20	18.04	17.60	126.95	225.51	105.94	450.91	423.42	27.49	16.402	
6,238.00	6,196.19	6,218.84	6,201.19	18.28	17.66	130.08	225.51	105.94	451.83	424.07	27.76	16.279	
6,321.00	6,279.18	6,301.83	6,284.18	18.48	17.71	152.48	225.51	105.94	452.79	424.79	28.00	16.172	
6,416.00	6,374.17	6,396.82	6,379.17	18.70	17.77	157.63	225.51	105.94	453.75	425.46	28.29	16.039	
6,510.00	6,468.17	6,490.82	6,473.17	18.90	17.83	158.71	225.51	105.94	454.45	425.88	28.57	15.907	
6,604.00	6,562.17	6,584.82	6,567.17	19.10	17.89	143.35	225.51	105.94	455.05	426.22	28.84	15.781	
6,698.00	6,656.16	6,678.82	6,661.16	19.31	17.95	156.51	225.51	105.94	455.66	426.55	29.10	15.656	
6,792.00	6,750.16	6,772.81	6,755.16	19.49	18.01	107.26	225.51	105.94	456.10	426.76	29.34	15.548	
6,887.00	6,845.16	6,867.81	6,850.16	19.68	18.07	117.22	225.51	105.94	456.36	426.82	29.54	15.450	
6,981.00	6,939.16	6,961.81	6,944.16	19.84	18.13	85.01	225.51	105.94	456.47	426.76	29.71	15.365	
7,075.00	7,033.15	7,055.80	7,038.15	20.00	18.19	100.15	225.51	105.94	456.54	426.67	29.86	15.287	
7,169.00	7,127.14	7,149.79	7,132.14	20.16	18.25	90.31	225.51	105.94	456.65	426.62	30.03	15.207	
7,264.00	7,222.14	7,244.79	7,227.14	20.33	18.31	105.68	225.51	105.94	456.80	426.60	30.20	15.125	
7,358.00	7,316.13	7,338.78	7,321.13	20.51	18.37	93.44	225.51	105.94	456.98	426.60	30.38	15.043	
7,452.00	7,410.13	7,432.78	7,415.13	20.66	18.43	91.12	225.51	105.94	457.01	426.48	30.53	14.969	
7,547.00	7,505.12	7,527.77	7,510.12	20.83	18.49	101.11	225.51	105.94	457.13	426.43	30.70	14.890	
7,641.00	7,599.11	7,621.77	7,604.11	21.02	18.55	100.74	225.51	105.94	457.35	426.47	30.88	14.809	
7,735.00	7,693.10	7,715.76	7,698.10	21.21	18.61	100.05	225.51	105.94	457.58	426.51	31.07	14.728	
7,829.00	7,787.09	7,809.74	7,792.09	21.38	18.67	85.43	225.51	105.94	457.62	426.38	31.23	14.651	
7,924.00	7,882.07	7,904.72	7,887.07	21.55	18.73	86.58	225.51	105.94	457.49	426.10	31.39	14.575	
8,018.00	7,976.05	7,998.70	7,981.05	21.69	18.80	70.53	225.51	105.94	457.10	425.58	31.52	14.504	
8,112.00	8,070.03	8,092.68	8,075.03	21.81	18.86	68.64	225.51	105.94	456.36	424.75	31.61	14.436	
8,207.00	8,165.01	8,187.66	8,170.01	21.86	18.92	32.85	225.51	105.94	455.40	423.74	31.66	14.385	
8,301.00	8,259.00	8,281.66	8,264.00	21.82	18.98	18.45	225.51	105.94	454.32	422.68	31.64	14.360	
8,395.00	8,353.00	8,375.65	8,358.00	21.84	19.04	68.88	225.51	105.94	453.53	421.86	31.67	14.321	
8,489.00	8,446.98	8,469.63	8,451.98	21.98	19.10	81.12	225.51	105.94	453.13	421.34	31.78	14.256	
8,509.14	8,467.12	8,489.77	8,472.12	22.01	19.12	89.99	225.51	105.94	453.10	421.26	31.83	14.234	
8,584.00	8,541.97	8,564.63	8,546.97	22.12	19.17	-152.21	225.51	105.94	453.55	421.56	31.99	14.178	
8,679.00	8,636.96	8,659.61	8,641.96	22.20	19.23	-142.65	225.51	105.94	455.04	422.80	32.24	14.113	
8,773.00	8,730.94	8,753.59	8,735.94	22.29	19.29	-161.43	225.51	105.94	456.81	424.30	32.51	14.052	
8,867.00	8,824.92	8,847.57	8,829.92	22.43	19.35	-172.15	225.51	105.94	458.27	425.47	32.79	13.974	
8,926.00	8,883.92	8,906.57	8,888.92	22.54	19.39	149.19	225.51	105.94	459.05	426.08	32.97	13.924	
9,027.00	8,984.90	9,007.55	8,989.90	22.81	19.46	124.26	225.51	105.94	460.39	427.11	33.28	13.834	
9,121.00	9,078.87	9,101.52	9,083.87	23.05	19.52	110.92	225.51	105.94	461.42	427.88	33.54	13.756	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



Altitude Energy Partners

Anticollision Report



Company:	FME 3	Local Co-ordinate Reference:	Well Norte State Com 702H
Project:	Lea Co., NM (NAD-83)	TVD Reference:	KB=25' @ 3880.00usft (H&P 602)
Reference Site:	Eagle Norte Mega Pad	MD Reference:	KB=25' @ 3880.00usft (H&P 602)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Norte State Com 702H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	Pilot Hole	Database:	DM Local
Reference Design:	Plan #4	Offset TVD Reference:	Offset Datum

Offset Design: Eagle Norte Mega Pad - Eagle State Com 702H - OH - Plan #3													Offset Site Error: 0.00 usft
Survey Program: 0-MWD+HDGM													Offset Well Error: 0.00 usft
Reference	Offset	Semi Major Axis	Highside	Offset Wellbore Centre		Rule Assigned:			Warning				
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Offset	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
9,215.00	9,172.86	9,195.51	9,177.86	23.28	19.58	134.55	225.51	105.94	462.19	428.39	33.80	13.676	
9,310.00	9,267.85	9,290.50	9,272.85	23.29	19.65	-31.32	225.51	105.94	461.37	427.45	33.92	13.601	
9,404.00	9,361.81	9,384.46	9,366.81	23.11	19.71	-2.04	225.51	105.94	458.99	425.17	33.83	13.569	
9,498.00	9,455.80	9,478.45	9,460.80	23.08	19.77	66.72	225.51	105.94	457.60	423.78	33.82	13.530	
9,592.00	9,549.80	9,572.45	9,554.80	23.08	19.84	-22.15	225.51	105.94	457.25	423.40	33.85	13.507	
9,686.00	9,643.80	9,666.45	9,648.80	22.96	19.90	-14.29	225.51	105.94	456.81	422.98	33.83	13.501	
9,751.52	9,709.31	9,727.61	9,709.96	22.92	19.92	25.80	225.44	105.95	456.39	422.60	33.79	13.507	
9,780.00	9,737.79	9,750.00	9,732.33	22.90	19.91	32.57	224.66	106.06	456.67	422.92	33.76	13.529	
9,875.00	9,832.78	9,809.79	9,791.76	22.93	19.81	53.55	218.35	106.95	461.63	427.94	33.69	13.702	
9,969.00	9,926.76	9,870.27	9,850.86	22.88	19.69	-68.25	205.77	108.72	473.22	439.38	33.84	13.986	
10,063.00	10,020.73	9,927.91	9,905.64	22.70	19.56	-68.48	188.10	111.20	491.82	457.84	33.97	14.477	
10,158.00	10,115.71	9,982.08	9,955.25	22.53	19.44	-47.84	166.61	114.22	517.83	483.62	34.21	15.137	
10,252.00	10,209.71	10,031.15	9,998.24	22.37	19.33	-24.09	143.21	117.51	550.54	516.03	34.51	15.954	
10,346.00	10,303.70	10,075.61	10,035.32	22.24	19.24	-14.61	118.94	120.92	590.16	555.28	34.88	16.919	
10,440.00	10,397.70	10,115.50	10,066.88	22.20	19.17	59.69	94.79	124.32	636.38	601.03	35.35	18.002	
10,534.00	10,491.70	10,150.00	10,092.75	22.27	19.11	74.02	72.20	127.49	688.46	652.56	35.90	19.178	
10,628.00	10,585.68	10,182.69	10,115.96	22.41	19.06	95.07	49.41	130.69	745.89	709.40	36.49	20.441	
10,723.00	10,680.64	10,200.00	10,127.70	22.59	19.03	96.76	36.82	132.46	808.94	771.79	37.15	21.777	
10,817.00	10,774.57	10,250.00	10,159.41	22.78	18.98	99.78	-1.45	137.84	875.27	837.60	37.67	23.236	
10,911.00	10,868.51	10,250.00	10,159.41	22.96	18.98	88.33	-1.45	137.84	944.42	906.09	38.32	24.645	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



Altitude Energy Partners

Anticollision Report



Company:	FME 3	Local Co-ordinate Reference:	Well Norte State Com 702H
Project:	Lea Co., NM (NAD-83)	TVD Reference:	KB=25' @ 3880.00usft (H&P 602)
Reference Site:	Eagle Norte Mega Pad	MD Reference:	KB=25' @ 3880.00usft (H&P 602)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Norte State Com 702H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	Pilot Hole	Database:	DM Local
Reference Design:	Plan #4	Offset TVD Reference:	Offset Datum

Offset Design: Eagle Norte Mega Pad - Eagle State Com 703H - OH - OH													Offset Site Error: 0.00 usft
Survey Program: 111-MWD+HDGM													Offset Well Error: 0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance Between Centres (usft)	Rule Assigned: Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	-90.30	-0.26	-49.99	49.99				
110.00	110.00	109.94	109.94	0.63	0.63	-21.71	-0.17	-50.06	49.82	48.56	1.26	39.666	
128.42	128.42	128.35	128.35	0.78	0.76	-41.30	-0.12	-50.08	49.79	48.29	1.50	33.170	
199.00	199.00	198.88	198.88	1.39	1.24	177.50	0.34	-50.22	50.22	47.77	2.44	20.549	
288.00	287.99	288.75	288.74	1.74	1.73	137.50	0.95	-49.67	50.41	47.18	3.23	15.601	
377.00	376.99	377.55	377.54	2.03	2.03	174.42	1.52	-48.51	49.86	45.98	3.87	12.874	
407.36	407.35	407.86	407.84	2.10	2.11	161.75	1.79	-48.18	49.79	45.77	4.02	12.383	
446.00	445.99	446.46	446.44	2.18	2.20	155.31	2.12	-47.81	49.90	45.69	4.21	11.846	
536.00	535.98	536.90	536.87	2.46	2.49	142.81	2.81	-46.54	49.77	44.98	4.79	10.386	
624.00	623.97	625.28	625.22	2.72	2.76	-178.57	3.28	-44.57	48.93	43.60	5.33	9.184	
712.00	711.96	713.55	713.46	2.98	3.03	168.47	3.51	-42.00	47.90	42.03	5.87	8.166	
764.42	764.36	765.88	765.76	3.14	3.19	-170.40	3.68	-40.38	47.59	41.40	6.19	7.683 CC	
802.00	801.92	803.37	803.23	3.26	3.31	-162.61	3.90	-39.27	47.75	41.32	6.43	7.426 ES	
892.00	891.84	892.74	892.58	3.54	3.59	-162.53	4.68	-37.27	49.49	42.51	6.97	7.096	
982.00	981.77	982.21	982.03	3.82	3.85	-164.20	5.65	-36.25	51.86	44.38	7.48	6.931	
1,071.00	1,070.73	1,070.61	1,070.43	4.10	3.99	-177.15	5.90	-36.24	54.66	46.75	7.91	6.913	
1,161.00	1,160.69	1,160.06	1,159.88	4.38	4.02	134.21	5.28	-37.20	58.05	49.78	8.27	7.020	
1,250.00	1,249.62	1,248.67	1,248.47	4.76	4.08	83.10	5.03	-38.70	60.16	51.46	8.70	6.915	
1,339.00	1,338.44	1,337.03	1,336.81	4.93	4.15	59.40	5.11	-40.77	60.18	51.26	8.93	6.743	
1,434.00	1,433.19	1,430.34	1,430.02	5.01	4.27	39.22	4.78	-44.80	59.60	50.45	9.15	6.515	
1,454.02	1,453.16	1,450.48	1,450.13	5.03	4.29	37.66	4.66	-45.94	59.59	50.39	9.19	6.483	
1,528.00	1,527.03	1,524.90	1,524.45	5.08	4.37	26.13	4.20	-49.80	59.79	50.45	9.35	6.398	
1,622.00	1,621.01	1,620.75	1,620.23	5.42	4.49	-107.65	2.84	-53.04	60.94	51.11	9.83	6.199 SF	
1,717.00	1,715.90	1,716.24	1,715.70	5.55	4.62	-115.07	1.48	-54.15	63.33	53.21	10.11	6.262	
1,811.00	1,809.69	1,808.61	1,808.06	5.71	4.76	-138.25	0.61	-55.53	68.35	57.94	10.41	6.566	
1,843.00	1,841.62	1,830.00	1,829.44	5.75	4.77	-147.75	0.33	-56.08	71.53	61.17	10.35	6.910	
1,997.00	1,995.31	1,830.00	1,829.44	6.27	4.77	-137.68	0.33	-56.08	183.53	176.13	7.40	24.800	
2,092.00	2,090.08	1,830.00	1,829.44	6.46	4.77	-124.41	0.33	-56.08	273.69	266.69	7.00	39.114	
2,186.00	2,183.80	1,830.00	1,829.44	6.83	4.77	-80.38	0.33	-56.08	364.80	357.91	6.89	52.965	
2,280.00	2,277.39	1,830.00	1,829.44	7.02	4.77	-54.32	0.33	-56.08	456.24	449.39	6.85	66.631	
2,374.00	2,370.85	1,830.00	1,829.44	7.07	4.77	-43.96	0.33	-56.08	547.92	541.07	6.86	79.899	
2,469.00	2,465.23	1,830.00	1,829.44	7.10	4.77	-40.42	0.33	-56.08	640.99	634.08	6.91	92.746	
2,563.00	2,558.63	1,830.00	1,829.44	7.14	4.77	-41.54	0.33	-56.08	733.52	726.53	6.99	104.940	
2,657.00	2,651.90	1,830.00	1,829.44	7.19	4.77	-35.14	0.33	-56.08	826.24	819.16	7.08	116.682	
2,751.00	2,744.94	1,830.00	1,829.44	7.24	4.77	-32.94	0.33	-56.08	919.01	911.83	7.18	128.000	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



Altitude Energy Partners

Anticollision Report



Company:	FME 3	Local Co-ordinate Reference:	Well Norte State Com 702H
Project:	Lea Co., NM (NAD-83)	TVD Reference:	KB=25' @ 3880.00usft (H&P 602)
Reference Site:	Eagle Norte Mega Pad	MD Reference:	KB=25' @ 3880.00usft (H&P 602)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Norte State Com 702H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	Pilot Hole	Database:	DM Local
Reference Design:	Plan #4	Offset TVD Reference:	Offset Datum

Offset Design: Eagle Norte Mega Pad - Norte State Com 601H - OH - Plan #1													Offset Site Error:
Survey Program: 0-MWD+HDGM													Offset Well Error:
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Rule Assigned: Distance Between Centres (usft)		Minimum Separation (usft)	Separation Factor	Warning
+N/-S (usft)	+E/-W (usft)												
4,823.00	4,791.00	4,854.25	4,844.03	13.28	11.96	-69.57	19.92	-1,170.91	999.27	977.20	22.07	45.268	
4,917.00	4,883.48	4,947.65	4,936.15	13.65	12.18	-69.56	35.34	-1,170.99	988.73	966.29	22.45	44.051	
5,012.00	4,977.10	5,042.10	5,029.30	14.03	12.41	-70.27	50.93	-1,171.06	978.50	955.68	22.82	42.888	
5,106.00	5,069.85	5,135.58	5,121.50	14.40	12.65	-70.07	66.37	-1,171.14	968.68	945.50	23.18	41.788	
5,200.00	5,162.69	5,229.07	5,213.70	14.77	12.89	-68.89	81.80	-1,171.21	958.90	935.36	23.55	40.724	
5,294.00	5,255.62	5,322.57	5,305.92	15.14	13.15	-69.84	97.24	-1,171.29	949.33	925.42	23.91	39.701	
5,389.00	5,349.59	5,417.08	5,399.14	15.51	13.42	-70.15	112.84	-1,171.36	939.97	915.69	24.28	38.710	
5,483.00	5,442.65	5,510.62	5,491.39	15.88	13.69	-69.94	128.28	-1,171.44	930.93	906.29	24.65	37.770	
5,577.00	5,536.00	5,604.16	5,583.65	16.29	13.97	-73.31	143.73	-1,171.51	923.00	898.01	25.00	36.925	
5,672.00	5,630.66	5,698.65	5,676.84	16.63	14.26	-76.13	159.33	-1,171.59	916.52	891.20	25.32	36.202	
5,766.00	5,724.39	5,792.12	5,769.03	16.96	14.55	-74.57	174.76	-1,171.66	910.52	884.89	25.63	35.531	
5,860.00	5,818.24	5,885.40	5,861.03	17.33	14.85	-77.65	190.16	-1,171.74	905.22	879.31	25.92	34.929	
5,955.00	5,913.22	5,979.36	5,953.70	17.58	15.16	-91.36	205.67	-1,171.81	901.11	874.94	26.16	34.440	
6,049.00	6,007.21	6,072.28	6,045.34	17.81	15.47	-82.07	221.01	-1,171.89	897.42	871.02	26.40	33.991	
6,143.00	6,101.20	6,165.22	6,137.01	18.04	15.78	-91.46	236.35	-1,171.96	893.96	867.32	26.64	33.561	
6,238.00	6,196.19	6,259.14	6,229.64	18.28	16.11	-87.59	251.86	-1,172.04	890.79	863.92	26.87	33.152	
6,321.00	6,279.18	6,341.18	6,310.56	18.48	16.39	-64.50	265.40	-1,172.10	887.94	860.87	27.08	32.792	
6,416.00	6,374.17	6,435.01	6,403.10	18.70	16.72	-58.47	280.89	-1,172.18	884.75	857.41	27.34	32.363	
6,510.00	6,468.17	6,527.81	6,494.63	18.90	17.05	-56.49	296.21	-1,172.25	881.93	854.34	27.60	31.958	
6,604.00	6,562.17	6,620.61	6,586.15	19.10	17.39	-70.94	311.53	-1,172.33	879.46	851.62	27.85	31.579	
6,698.00	6,656.16	6,713.42	6,677.68	19.31	17.72	-56.87	326.85	-1,172.40	877.26	849.15	28.10	31.214	
6,792.00	6,750.16	6,806.23	6,769.22	19.49	18.07	-105.22	342.18	-1,172.48	875.51	847.17	28.34	30.897	
6,887.00	6,845.16	6,900.04	6,861.74	19.68	18.41	-94.37	357.66	-1,172.55	874.23	845.69	28.54	30.627	
6,981.00	6,939.16	6,992.30	6,952.78	19.84	18.74	-125.76	372.70	-1,172.63	873.45	844.75	28.70	30.431	
7,075.00	7,033.15	7,084.29	7,043.81	20.00	19.08	-109.96	385.87	-1,172.69	873.20	844.34	28.86	30.257	
7,127.71	7,085.86	7,136.12	7,095.24	20.09	19.27	-114.68	392.32	-1,172.72	873.15	844.20	28.95	30.165 CC	
7,169.00	7,127.14	7,176.82	7,135.68	20.16	19.41	-119.28	396.90	-1,172.74	873.18	844.17	29.01	30.097	
7,264.00	7,222.14	7,270.77	7,229.20	20.33	19.74	-103.52	405.81	-1,172.79	873.26	844.10	29.16	29.946 ES	
7,358.00	7,316.13	7,364.05	7,322.26	20.51	20.04	-115.51	412.39	-1,172.82	873.40	844.11	29.30	29.811	
7,452.00	7,410.13	7,457.56	7,415.66	20.66	20.32	-117.72	416.70	-1,172.84	873.74	844.33	29.41	29.710	
7,547.00	7,505.12	7,552.18	7,510.25	20.83	20.52	-107.79	418.73	-1,172.85	874.11	844.60	29.51	29.620	
7,641.00	7,599.11	7,646.04	7,604.11	21.02	20.61	-108.37	418.89	-1,172.85	874.48	844.86	29.62	29.528	
7,735.00	7,693.10	7,740.03	7,698.10	21.21	20.67	-109.30	418.89	-1,172.85	874.89	845.17	29.73	29.431	
7,829.00	7,787.09	7,834.02	7,792.09	21.38	20.73	-124.19	418.89	-1,172.85	875.60	845.79	29.81	29.371	
7,924.00	7,882.07	7,929.00	7,887.07	21.55	20.78	-123.38	418.89	-1,172.85	876.67	846.78	29.89	29.333	
8,018.00	7,976.05	8,022.98	7,981.05	21.69	20.83	-139.78	418.89	-1,172.85	877.97	848.02	29.95	29.316	
8,112.00	8,070.03	8,116.95	8,075.03	21.81	20.89	-142.00	418.89	-1,172.85	879.61	849.61	30.00	29.324	
8,207.00	8,165.01	8,211.94	8,170.01	21.86	20.94	-178.02	418.89	-1,172.85	881.16	851.12	30.03	29.340	
8,301.00	8,259.00	8,305.93	8,269.00	21.82	20.99	-167.52	418.89	-1,172.85	882.36	852.30	30.06	29.356	
8,395.00	8,353.00	8,399.92	8,358.00	21.84	21.05	-142.17	418.89	-1,172.85	883.45	853.35	30.10	29.349	
8,489.00	8,446.98	8,493.91	8,451.98	21.98	21.10	-130.21	418.89	-1,172.85	884.64	854.46	30.17	29.319	
8,584.00	8,541.97	8,588.90	8,546.97	22.12	21.16	-3.68	418.89	-1,172.85	884.64	854.33	30.31	29.185	
8,679.00	8,636.96	8,683.88	8,641.96	22.20	21.21	6.01	418.89	-1,172.85	882.84	852.33	30.51	28.936	
8,773.00	8,730.94	8,777.86	8,735.94	22.29	21.26	-12.65	418.89	-1,172.85	880.82	850.10	30.72	28.677	
8,867.00	8,824.92	8,871.85	8,829.92	22.43	21.32	-23.35	418.89	-1,172.85	879.38	848.46	30.92	28.441	
8,926.00	8,883.92	8,930.84	8,888.92	22.54	21.35	-62.07	418.89	-1,172.85	878.81	847.78	31.03	28.324	
9,027.00	8,984.90	9,031.82	8,989.90	22.81	21.41	-87.29	418.89	-1,172.85	878.38	847.17	31.21	28.146	
9,044.39	9,002.28	9,049.21	9,007.28	22.85	21.42	-90.00	418.89	-1,172.85	878.37	847.14	31.23	28.124	
9,121.00	9,078.87	9,125.80	9,083.87	23.05	21.47	-101.02	418.89	-1,172.85	878.55	847.21	31.34	28.030	
9,215.00	9,172.86	9,219.78	9,177.86	23.28	21.52	-77.69	418.89	-1,172.85	878.68	847.19	31.48	27.911	
9,228.30	9,186.16	9,233.08	9,191.16	23.28	21.53	-88.67	418.89	-1,172.85	878.66	847.14	31.52	27.877	
9,310.00	9,267.85	9,314.77	9,272.85	23.29	21.58	116.54	418.89	-1,172.85	879.18	847.43	31.75	27.688	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



Altitude Energy Partners

Anticollision Report



Company:	FME 3	Local Co-ordinate Reference:	Well Norte State Com 702H
Project:	Lea Co., NM (NAD-83)	TVD Reference:	KB=25' @ 3880.00usft (H&P 602)
Reference Site:	Eagle Norte Mega Pad	MD Reference:	KB=25' @ 3880.00usft (H&P 602)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Norte State Com 702H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	Pilot Hole	Database:	DM Local
Reference Design:	Plan #4	Offset TVD Reference:	Offset Datum

Offset Design: Eagle Norte Mega Pad - Norte State Com 601H - OH - Plan #1													Offset Site Error: 0.00 usft
Survey Program: 0-MWD+HDGM													Offset Well Error: 0.00 usft
Reference	Offset	Semi Major Axis	Highside	Offset Wellbore Centre		Rule Assigned:			Warning				
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Offset	Toolface (°)	+N-S (usft)	+E-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
9,404.00	9,361.81	9,408.74	9,366.81	23.11	21.63	146.02	418.89	-1,172.85	880.80	849.02	31.78	27.719	
9,498.00	9,455.80	9,502.72	9,460.80	23.08	21.68	-145.22	418.89	-1,172.85	882.16	850.35	31.81	27.730	
9,592.00	9,549.80	9,598.79	9,556.80	23.08	21.91	126.01	421.05	-1,172.87	882.57	850.64	31.93	27.637	
9,642.13	9,599.93	9,650.24	9,607.79	23.02	22.12	131.21	427.82	-1,172.94	882.57	850.59	31.98	27.596	
9,686.00	9,643.80	9,693.95	9,650.49	22.96	22.32	134.94	437.14	-1,173.03	882.60	850.57	32.03	27.552	
9,780.00	9,737.79	9,781.61	9,733.35	22.90	22.75	-176.46	465.47	-1,173.31	883.72	851.55	32.17	27.471	
9,875.00	9,832.78	9,860.13	9,803.13	22.93	23.13	-153.85	501.32	-1,173.66	887.54	855.18	32.36	27.425	
9,969.00	9,926.76	9,926.27	9,857.66	22.88	23.46	85.11	538.69	-1,174.03	893.94	861.14	32.79	27.258	
10,063.00	10,020.73	9,981.47	9,899.63	22.70	23.72	85.90	574.52	-1,174.38	904.13	870.89	33.23	27.206 SF	
10,158.00	10,115.71	10,028.74	9,932.68	22.53	23.93	107.18	608.28	-1,174.72	920.52	886.76	33.75	27.272	
10,252.00	10,209.71	10,068.39	9,958.19	22.37	24.09	131.07	638.64	-1,175.01	943.38	909.07	34.30	27.500	
10,346.00	10,303.70	10,100.00	9,976.97	22.24	24.22	140.38	664.05	-1,175.27	972.66	937.79	34.87	27.892	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



Altitude Energy Partners

Anticollision Report



Company:	FME 3	Local Co-ordinate Reference:	Well Norte State Com 702H
Project:	Lea Co., NM (NAD-83)	TVD Reference:	KB=25' @ 3880.00usft (H&P 602)
Reference Site:	Eagle Norte Mega Pad	MD Reference:	KB=25' @ 3880.00usft (H&P 602)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Norte State Com 702H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	Pilot Hole	Database:	DM Local
Reference Design:	Plan #4	Offset TVD Reference:	Offset Datum

Offset Design: Eagle Norte Mega Pad - Norte State Com 602H - OH - Plan #1													Offset Site Error: 0.00 usft
Survey Program: 0-MWD+HDGM													Offset Well Error: 0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Rule Assigned: Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	5.00	5.00	0.00	0.04	179.70	-74.98	0.39	74.98				
110.00	110.00	115.00	115.00	0.63	0.89	-111.89	-74.98	0.39	75.08	73.56	1.51	49.580	
199.00	199.00	204.00	204.00	1.39	1.47	86.99	-74.98	0.39	75.13	72.28	2.86	26.309	
288.00	287.99	292.99	292.99	1.74	1.86	46.50	-74.98	0.39	74.83	71.23	3.60	20.779	
377.00	376.99	381.99	381.99	2.03	2.19	82.84	-74.98	0.39	74.52	70.29	4.22	17.641	
446.00	445.99	450.99	450.99	2.18	2.42	63.26	-74.98	0.39	74.25	69.65	4.60	16.146	
536.00	535.98	540.98	540.98	2.46	2.69	49.96	-74.98	0.39	73.57	68.45	5.13	14.353	
624.00	623.97	628.97	628.97	2.72	2.93	88.26	-74.98	0.39	73.20	67.61	5.59	13.096	
712.00	711.96	716.96	716.96	2.98	3.15	75.66	-74.98	0.39	72.96	66.95	6.02	12.126	
742.06	742.01	747.01	747.01	3.07	3.22	90.01	-74.98	0.39	72.89	66.73	6.16	11.834	
802.00	801.92	806.92	806.92	3.26	3.37	106.07	-74.98	0.39	73.20	66.76	6.44	11.365	
892.00	891.84	896.84	896.84	3.54	3.57	109.10	-74.98	0.39	74.35	67.53	6.82	10.896	
982.00	981.77	986.77	986.77	3.82	3.76	109.79	-74.98	0.39	75.50	68.31	7.20	10.491	
1,071.00	1,070.73	1,075.73	1,075.73	4.10	3.95	99.10	-74.98	0.39	76.18	68.63	7.55	10.085	
1,161.00	1,160.69	1,165.69	1,165.69	4.38	4.12	52.28	-74.98	0.39	75.56	67.63	7.93	9.525	
1,250.00	1,249.62	1,254.62	1,254.62	4.76	4.30	-0.75	-74.98	0.39	72.36	64.09	8.27	8.751	
1,339.00	1,338.44	1,343.44	1,343.44	4.93	4.46	-30.59	-74.98	0.39	67.06	58.43	8.64	7.766	
1,434.00	1,433.19	1,438.19	1,438.19	5.01	4.63	-58.54	-74.98	0.39	62.14	53.10	9.05	6.868	
1,528.00	1,527.03	1,532.03	1,532.03	5.08	4.80	-76.92	-74.98	0.39	60.00	50.59	9.41	6.377	
1,555.26	1,554.28	1,559.28	1,559.28	5.17	4.84	-89.71	-74.98	0.39	59.87	50.35	9.52	6.291 CC, ES	
1,622.00	1,621.01	1,626.01	1,626.01	5.42	4.96	150.38	-74.98	0.39	60.58	50.81	9.77	6.203 SF	
1,717.00	1,715.90	1,720.90	1,720.90	5.55	5.11	150.13	-74.98	0.39	64.38	54.26	10.12	6.362	
1,811.00	1,809.69	1,814.69	1,814.69	5.71	5.27	135.45	-74.98	0.39	69.40	59.03	10.36	6.696	
1,843.00	1,841.62	1,846.62	1,846.62	5.75	5.32	128.26	-74.98	0.39	70.77	60.35	10.42	6.792	
1,997.00	1,995.31	2,000.31	2,000.31	6.27	5.56	142.74	-74.98	0.39	77.79	66.67	11.11	6.999	
2,092.00	2,090.08	2,095.08	2,095.08	6.46	5.71	156.05	-74.98	0.39	83.46	72.04	11.42	7.307	
2,186.00	2,183.80	2,188.80	2,188.80	6.83	5.85	-165.14	-74.98	0.39	90.56	78.81	11.75	7.707	
2,280.00	2,277.39	2,282.39	2,282.39	7.02	5.98	-140.49	-74.98	0.39	98.22	86.12	12.10	8.116	
2,374.00	2,370.85	2,375.85	2,375.85	7.07	6.12	-131.92	-74.98	0.39	105.44	93.08	12.36	8.528	
2,469.00	2,465.23	2,470.23	2,470.23	7.10	6.26	-131.17	-74.98	0.39	112.63	100.01	12.61	8.929	
2,563.00	2,558.63	2,563.63	2,563.63	7.14	6.39	-135.47	-74.98	0.39	119.97	107.09	12.87	9.319	
2,657.00	2,651.90	2,656.90	2,656.90	7.19	6.52	-136.91	-74.98	0.39	128.40	115.24	13.16	9.757	
2,751.00	2,744.94	2,751.56	2,751.56	7.24	6.66	-141.21	-74.67	0.55	138.29	124.83	13.46	10.272	
2,845.00	2,837.93	2,847.73	2,847.69	7.32	6.83	-145.65	-72.43	1.67	147.27	133.47	13.79	10.679	
2,940.00	2,931.79	2,943.42	2,943.26	7.43	6.99	-146.30	-68.27	3.75	155.68	141.55	14.13	11.015	
3,034.00	3,024.38	3,036.15	3,035.87	7.55	7.14	-150.07	-63.93	5.92	165.75	151.28	14.47	11.457	
3,128.00	3,116.88	3,128.81	3,128.40	7.72	7.30	-153.63	-59.59	8.09	176.97	162.15	14.82	11.944	
3,222.00	3,209.50	3,221.56	3,221.03	7.93	7.47	-157.45	-55.25	10.26	188.32	173.14	15.18	12.407	
3,316.00	3,302.24	3,314.45	3,313.79	8.16	7.66	-160.22	-50.90	12.44	199.46	183.91	15.55	12.827	
3,411.00	3,396.11	3,408.67	3,407.88	8.40	7.85	-162.17	-46.48	14.65	210.31	194.38	15.94	13.198	
3,505.00	3,488.96	3,504.17	3,503.16	8.66	8.08	-168.39	-40.84	17.67	221.02	204.68	16.34	13.530	
3,599.00	3,581.67	3,599.40	3,597.99	8.94	8.33	-171.06	-33.25	22.00	232.05	215.31	16.74	13.864	
3,693.00	3,674.43	3,694.38	3,692.32	9.23	8.60	-173.77	-23.72	27.62	242.37	225.24	17.13	14.148	
3,787.00	3,767.36	3,789.05	3,786.04	9.52	8.89	-175.91	-12.28	34.52	251.40	233.89	17.51	14.358	
3,881.00	3,860.41	3,881.80	3,877.65	9.82	9.16	-179.25	0.09	42.07	259.95	242.08	17.87	14.549	
3,975.00	3,953.41	3,974.33	3,969.04	10.13	9.43	174.27	12.45	49.60	269.60	251.37	18.23	14.789	
4,070.00	4,047.25	4,067.85	4,061.41	10.46	9.72	169.26	24.94	57.22	280.86	262.25	18.61	15.094	
4,164.00	4,140.12	4,160.44	4,152.86	10.79	10.02	167.65	37.30	64.76	292.32	273.34	18.98	15.400	
4,258.00	4,233.12	4,253.09	4,244.37	11.12	10.32	165.95	49.67	72.31	303.45	284.09	19.35	15.679	
4,352.00	4,326.18	4,345.79	4,335.93	11.45	10.63	162.28	62.06	79.86	314.56	294.84	19.73	15.945	
4,447.00	4,420.19	4,439.52	4,428.51	11.80	10.95	157.82	74.57	87.50	326.25	306.14	20.11	16.220	
4,541.00	4,513.23	4,532.30	4,520.15	12.14	11.28	157.55	86.97	95.05	337.92	317.42	20.50	16.485	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



Altitude Energy Partners

Anticollision Report



Company:	FME 3	Local Co-ordinate Reference:	Well Norte State Com 702H
Project:	Lea Co., NM (NAD-83)	TVD Reference:	KB=25' @ 3880.00usft (H&P 602)
Reference Site:	Eagle Norte Mega Pad	MD Reference:	KB=25' @ 3880.00usft (H&P 602)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Norte State Com 702H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	Pilot Hole	Database:	DM Local
Reference Design:	Plan #4	Offset TVD Reference:	Offset Datum

Offset Design: Eagle Norte Mega Pad - Norte State Com 602H - OH - Plan #1													Offset Site Error:
Survey Program: 0-MWD+HDGM													Offset Well Error:
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Rule Assigned: Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
4,635.00	4,606.20	4,624.98	4,611.68	12.50	11.61	158.13	99.34	102.60	350.47	329.58	20.89	16.775	
4,729.00	4,698.72	4,717.28	4,702.85	12.91	11.94	159.12	111.67	110.12	366.00	344.65	21.36	17.139	
4,823.00	4,791.00	4,809.39	4,793.82	13.28	12.28	157.16	123.97	117.62	383.00	361.21	21.79	17.579	
4,917.00	4,883.48	4,901.64	4,884.94	13.65	12.62	156.04	136.29	125.14	399.18	376.96	22.22	17.966	
5,012.00	4,977.10	4,995.01	4,977.15	14.03	12.97	154.17	148.76	132.74	414.82	392.16	22.66	18.310	
5,106.00	5,069.85	5,087.47	5,068.48	14.40	13.33	153.26	161.11	140.27	429.81	406.72	23.09	18.615	
5,200.00	5,162.69	5,179.98	5,159.85	14.77	13.68	153.34	173.46	147.81	444.51	420.98	23.53	18.895	
5,294.00	5,255.62	5,272.53	5,251.26	15.14	14.04	151.24	185.83	155.35	458.85	434.89	23.96	19.149	
5,389.00	5,349.59	5,366.14	5,343.72	15.51	14.40	149.83	198.33	162.97	473.05	448.64	24.41	19.382	
5,483.00	5,442.65	5,458.81	5,435.25	15.88	14.77	148.96	210.70	170.52	486.78	461.93	24.85	19.592	
5,577.00	5,536.00	5,551.68	5,526.98	16.29	15.14	144.25	223.11	178.08	498.46	473.16	25.30	19.702	
5,672.00	5,630.66	5,645.74	5,619.88	16.63	15.51	139.85	235.67	185.75	507.62	481.93	25.69	19.759	
5,766.00	5,724.39	5,738.84	5,711.83	16.96	15.88	139.82	248.10	193.33	516.19	490.13	26.07	19.801	
5,860.00	5,818.24	5,831.92	5,803.76	17.33	16.26	134.87	260.53	200.91	523.27	496.81	26.45	19.780	
5,955.00	5,913.22	5,925.90	5,896.58	17.58	16.64	118.91	273.08	208.56	528.15	501.41	26.73	19.756	
6,049.00	6,007.21	6,018.87	5,988.41	17.81	17.02	125.94	285.50	216.14	532.95	505.94	27.00	19.738	
6,143.00	6,101.20	6,111.87	6,080.26	18.04	17.40	114.34	297.92	223.71	538.10	510.82	27.28	19.727	
6,238.00	6,196.19	6,205.85	6,173.09	18.28	17.78	115.98	310.47	231.37	543.47	515.92	27.56	19.723	
6,321.00	6,279.18	6,287.93	6,254.16	18.48	18.12	137.13	321.43	238.05	548.62	520.80	27.82	19.720	
6,416.00	6,374.17	6,381.81	6,346.89	18.70	18.51	140.88	333.97	245.70	554.78	526.63	28.15	19.705	
6,510.00	6,468.17	6,474.69	6,438.62	18.90	18.89	140.59	346.38	253.27	560.99	532.50	28.49	19.692	
6,604.00	6,562.17	6,567.57	6,530.36	19.10	19.28	123.88	358.78	260.83	567.40	538.58	28.82	19.688	
6,698.00	6,656.16	6,660.46	6,622.10	19.31	19.67	135.73	371.19	268.40	574.09	544.93	29.16	19.687	
6,792.00	6,750.16	6,753.37	6,713.87	19.49	20.05	85.17	383.60	275.96	580.87	551.40	29.47	19.711	
6,887.00	6,845.16	6,853.02	6,812.41	19.68	20.46	93.83	396.22	283.66	587.40	557.62	29.78	19.727	
6,981.00	6,939.16	6,953.87	6,912.50	19.84	20.87	60.53	406.80	290.12	592.72	562.65	30.07	19.709	
7,075.00	7,033.15	7,055.30	7,013.44	20.00	21.27	74.80	415.17	295.22	596.77	566.44	30.34	19.672	
7,169.00	7,127.14	7,157.11	7,115.00	20.16	21.64	64.35	421.26	298.94	599.68	569.09	30.58	19.609	
7,264.00	7,222.14	7,260.25	7,218.04	20.33	21.97	79.32	425.08	301.26	601.43	570.62	30.81	19.523	
7,358.00	7,316.13	7,362.41	7,320.19	20.51	22.19	66.92	426.51	302.14	601.95	570.98	30.97	19.438	
7,452.00	7,410.13	7,457.35	7,415.13	20.66	22.25	64.56	426.53	302.15	601.56	570.52	31.04	19.379	
7,547.00	7,505.12	7,552.34	7,510.12	20.83	22.30	74.52	426.53	302.15	601.20	570.07	31.13	19.312	
7,641.00	7,599.11	7,646.34	7,604.11	21.02	22.35	74.12	426.53	302.15	600.87	569.65	31.23	19.243	
7,735.00	7,693.10	7,740.33	7,698.10	21.21	22.40	73.38	426.53	302.15	600.52	569.20	31.32	19.173	
7,829.00	7,787.09	7,834.31	7,792.09	21.38	22.45	58.71	426.53	302.15	599.87	568.47	31.40	19.104	
7,924.00	7,882.07	7,929.30	7,887.07	21.55	22.50	59.78	426.53	302.15	598.89	567.43	31.47	19.034	
8,018.00	7,976.05	8,023.27	7,981.05	21.69	22.55	43.62	426.53	302.15	597.68	566.16	31.52	18.965	
8,112.00	8,070.03	8,117.25	8,075.03	21.81	22.60	41.62	426.53	302.15	596.13	564.58	31.55	18.895	
8,207.00	8,165.01	8,212.23	8,170.01	21.86	22.65	5.73	426.53	302.15	594.63	563.06	31.57	18.836	
8,301.00	8,259.00	8,306.23	8,264.00	21.82	22.70	-8.74	426.53	302.15	593.42	561.85	31.57	18.794	
8,395.00	8,353.00	8,400.22	8,358.00	21.84	22.75	41.63	426.53	302.15	592.35	560.74	31.60	18.743	
8,489.00	8,446.98	8,494.20	8,451.98	21.98	22.81	53.78	426.53	302.15	591.24	559.59	31.66	18.676	
8,534.00	8,492.39	8,539.61	8,497.39	22.05	22.83	90.01	426.53	302.15	590.96	559.24	31.72	18.629	
8,584.00	8,541.97	8,589.20	8,546.97	22.12	22.86	-179.55	426.53	302.15	591.30	559.50	31.80	18.597	
8,679.00	8,636.96	8,684.18	8,641.96	22.20	22.91	-169.89	426.53	302.15	593.09	561.08	32.01	18.529	
8,773.00	8,730.94	8,778.16	8,735.94	22.29	22.96	171.45	426.53	302.15	595.11	562.88	32.23	18.465	
8,867.00	8,824.92	8,872.15	8,829.92	22.43	23.01	160.81	426.53	302.15	596.58	564.13	32.45	18.386	
8,926.00	8,883.92	8,931.14	8,888.92	22.54	23.05	122.18	426.53	302.15	597.19	564.62	32.56	18.340	
9,027.00	8,984.90	9,032.12	8,989.90	22.81	23.10	97.26	426.53	302.15	597.76	565.01	32.75	18.253	
9,121.00	9,078.87	9,126.09	9,083.87	23.05	23.15	83.89	426.53	302.15	597.77	564.88	32.89	18.177	
9,163.96	9,121.82	9,169.04	9,126.82	23.15	23.18	90.00	426.53	302.15	597.71	564.76	32.95	18.140	
9,215.00	9,172.86	9,220.08	9,177.86	23.28	23.21	107.48	426.53	302.15	597.79	564.76	33.03	18.100	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



Altitude Energy Partners

Anticollision Report



Company:	FME 3	Local Co-ordinate Reference:	Well Norte State Com 702H
Project:	Lea Co., NM (NAD-83)	TVD Reference:	KB=25' @ 3880.00usft (H&P 602)
Reference Site:	Eagle Norte Mega Pad	MD Reference:	KB=25' @ 3880.00usft (H&P 602)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Norte State Com 702H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	Pilot Hole	Database:	DM Local
Reference Design:	Plan #4	Offset TVD Reference:	Offset Datum

Offset Design: Eagle Norte Mega Pad - Norte State Com 602H - OH - Plan #1													Offset Site Error: 0.00 usft
Survey Program: 0-MWD+HDGM													Offset Well Error: 0.00 usft
Reference	Offset	Semi Major Axis	Highside	Offset Wellbore Centre		Rule Assigned:		Distance		Minimum	Separation	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Offset	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Separation (usft)		
9,310.00	9,267.85	9,315.07	9,272.85	23.29	23.26	-58.41	426.53	302.15	597.22	563.95	33.27	17.950	
9,404.00	9,361.81	9,409.03	9,366.81	23.11	23.31	-29.21	426.53	302.15	595.45	562.18	33.27	17.896	
9,498.00	9,455.80	9,503.02	9,460.80	23.08	23.36	39.49	426.53	302.15	594.05	560.76	33.29	17.844	
9,592.00	9,549.80	9,601.14	9,558.62	23.08	23.62	-50.01	432.66	302.09	593.31	559.96	33.35	17.791	
9,686.00	9,643.80	9,695.24	9,650.17	22.96	24.02	-44.22	453.95	301.88	592.44	558.91	33.53	17.668	
9,739.72	9,697.51	9,745.16	9,696.97	22.93	24.26	-9.76	471.26	301.71	592.24	558.53	33.71	17.570	
9,780.00	9,737.79	9,780.40	9,729.02	22.90	24.42	-0.58	485.90	301.56	592.42	558.53	33.89	17.481	
9,875.00	9,832.78	9,855.68	9,794.12	22.93	24.77	16.09	523.59	301.19	595.18	560.70	34.49	17.259	
9,969.00	9,926.76	9,918.45	9,844.24	22.88	25.05	-110.66	561.33	300.82	604.76	569.29	35.46	17.054	
10,063.00	10,020.73	9,970.52	9,882.48	22.70	25.28	-115.76	596.65	300.47	623.26	586.77	36.48	17.083	
10,158.00	10,115.71	10,015.02	9,912.51	22.53	25.46	-99.89	629.47	300.15	649.94	612.36	37.58	17.296	
10,252.00	10,209.71	10,050.00	9,934.27	22.37	25.60	-80.43	656.85	299.88	684.23	645.62	38.61	17.720	
10,346.00	10,303.70	10,084.18	9,953.88	22.24	25.72	-75.30	684.83	299.60	726.28	686.63	39.65	18.316	
10,440.00	10,397.70	10,100.00	9,962.38	22.20	25.78	-3.83	698.18	299.47	775.45	735.05	40.40	19.196	
10,534.00	10,491.70	10,135.43	9,980.07	22.27	25.89	6.60	728.86	299.16	830.11	788.72	41.39	20.057	
10,628.00	10,585.68	10,150.00	9,986.79	22.41	25.94	25.15	741.80	299.04	889.89	847.88	42.01	21.184	
10,723.00	10,680.64	10,175.31	9,997.67	22.59	26.01	24.50	764.65	298.81	954.40	911.67	42.73	22.337	

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Altitude Energy Partners

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Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Norte State Com 702H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	Pilot Hole	Database:	DM Local
Reference Design:	Plan #4	Offset TVD Reference:	Offset Datum

Offset Design: Eagle Norte Mega Pad - Norte State Com 702H - ST01 - Plan #4

Survey Program: Reference		110-MWD+HDGM, 9935-MWD+HDGM						Rule Assigned: Distance						Offset Well Error: 0.00 usft	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Major Axis Reference (usft)	Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
9,969.00	9,926.76	9,968.95	9,926.71	0.61	0.69	175.53	452.89	-287.30	1.25	-1.25	2.50	0.500	Collision Risk Procedures Req., CC		
10,063.00	10,020.73	10,060.68	10,017.65	1.32	2.37	170.16	464.15	-287.34	15.27	6.17	9.10	1.679	Collision Risk Procedures Req.		
10,158.00	10,115.71	10,147.24	10,100.79	1.80	3.22	-172.53	487.94	-287.78	43.05	28.21	14.84	2.902			
10,252.00	10,209.71	10,224.22	10,170.98	2.18	3.83	-151.46	519.40	-288.51	82.51	62.76	19.75	4.178			
10,346.00	10,303.70	10,291.56	10,228.45	2.52	4.30	-144.28	554.41	-289.38	132.09	108.23	23.87	5.535			
10,440.00	10,397.70	10,350.00	10,274.70	2.78	4.67	-71.59	590.08	-290.32	189.66	162.47	27.19	6.975			
10,534.00	10,491.70	10,400.00	10,311.21	2.98	4.95	-58.54	624.21	-291.23	253.52	223.58	29.94	8.466			
10,628.00	10,585.68	10,450.00	10,344.61	3.15	5.20	-38.59	661.38	-292.26	322.33	290.65	31.68	10.175			
10,723.00	10,680.64	10,479.49	10,362.74	3.33	5.33	-37.14	684.62	-292.91	395.36	361.20	34.16	11.573			
10,817.00	10,774.57	10,511.35	10,380.96	3.52	5.47	-36.14	710.75	-293.64	470.92	435.19	35.74	13.178			
10,911.00	10,868.51	10,550.00	10,401.07	3.75	5.63	-47.98	743.73	-294.58	549.61	512.94	36.67	14.986			
11,005.00	10,962.47	10,550.00	10,401.07	3.99	5.63	-57.44	743.73	-294.58	630.69	592.17	38.52	16.375			
11,099.00	11,056.43	10,582.82	10,416.37	4.22	5.74	-23.81	772.75	-295.42	713.10	673.92	39.18	18.201			
11,194.00	11,151.41	10,600.00	10,423.71	5.55	5.80	143.66	788.28	-295.87	799.05	758.99	40.06	19.945			
11,200.00	11,157.40	10,600.00	10,423.71	5.55	5.80	143.66	788.28	-295.87	804.59	764.44	40.15	20.041			
11,262.00	11,219.36	10,600.00	10,423.71	5.65	5.80	143.66	788.28	-295.87	862.22	821.43	40.78	21.142			
11,300.00	11,257.34	10,616.13	10,430.17	5.66	5.84	143.48	803.04	-296.30	897.41	856.51	40.90	21.941			
11,352.45	11,309.77	10,623.39	10,432.94	5.69	5.86	142.09	809.75	-296.49	946.31	905.03	41.28	22.922			
11,400.00	11,357.31	10,629.64	10,435.26	5.72	5.88	142.15	815.56	-296.66	990.77	949.15	41.62	23.806			

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



Altitude Energy Partners

Anticollision Report

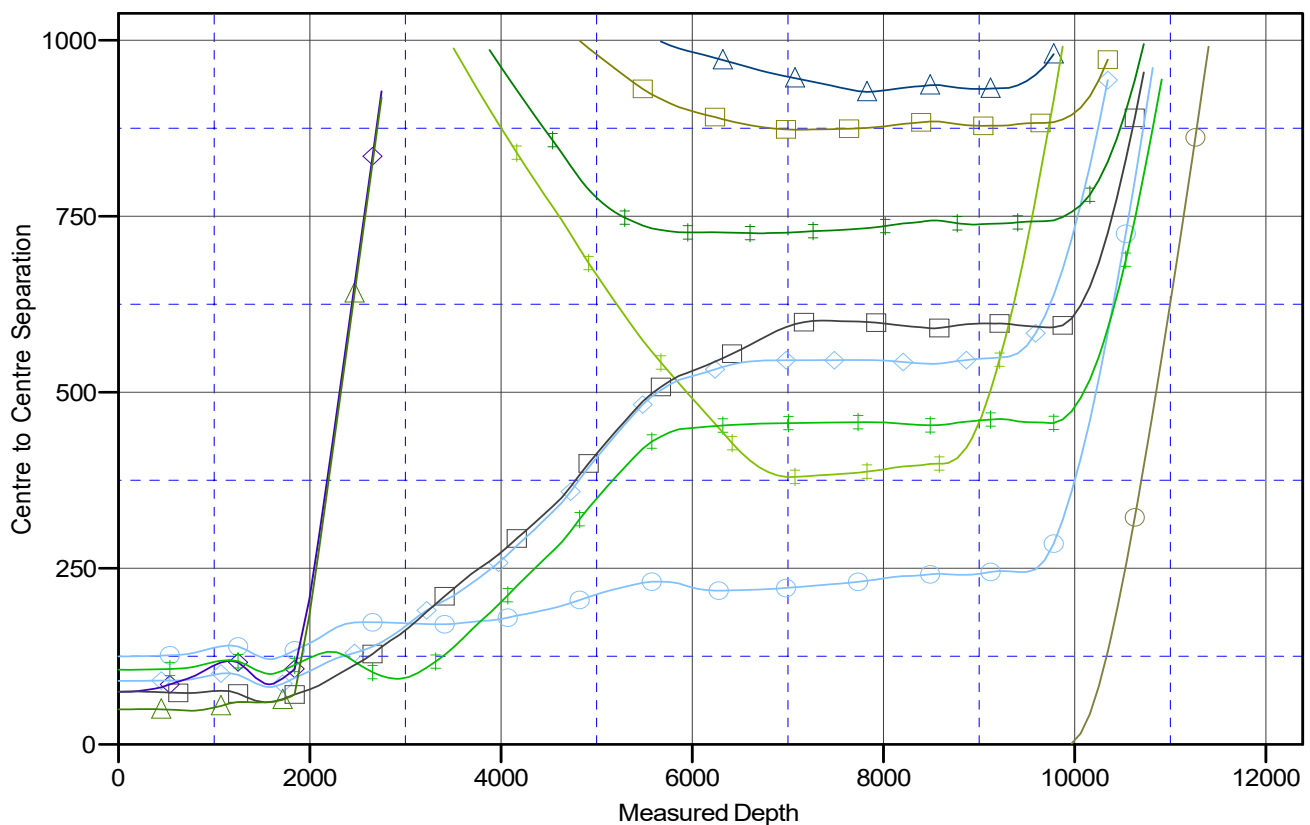


Company:	FME 3	Local Co-ordinate Reference:	Well Norte State Com 702H
Project:	Lea Co., NM (NAD-83)	TVD Reference:	KB=25' @ 3880.00usft (H&P 602)
Reference Site:	Eagle Norte Mega Pad	MD Reference:	KB=25' @ 3880.00usft (H&P 602)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Norte State Com 702H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	Pilot Hole	Database:	DM Local
Reference Design:	Plan #4	Offset TVD Reference:	Offset Datum

Reference Depths are relative to KB=25' @ 3880.00usft (H&P 602)
 Offset Depths are relative to Offset Datum
 Central Meridian is -104.333334

Coordinates are relative to: Norte State Com 702H
 Coordinate System is US State Plane 1983, New Mexico Eastern Zone
 Grid Convergence at Surface is: 0.48°

Ladder Plot



LEGEND

Eagle State Com302H, OH, Plan #2 V0	Norte State Com702H, STD1, Plan #4 V0	Eagle State Com501H, OH, Plan #3 V0
Norte State Com601H, OH, Plan #1 V0	Eagle State Com303H, OH, OH V0	Eagle State Com703H, OH, OH V0
Eagle State Com602H, OH, Plan #2 V0	Eagle State Com702H, OH, Plan #3 V0	Eagle State Com701H, OH, Plan #2 V0
Eagle State Com502H, OH, Plan #3 V0	Norte State Com602H, OH, Plan #1 V0	



Altitude Energy Partners

Anticollision Report



Company:	FME 3	Local Co-ordinate Reference:	Well Norte State Com 702H
Project:	Lea Co., NM (NAD-83)	TVD Reference:	KB=25' @ 3880.00usft (H&P 602)
Reference Site:	Eagle Norte Mega Pad	MD Reference:	KB=25' @ 3880.00usft (H&P 602)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Norte State Com 702H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	Pilot Hole	Database:	DM Local
Reference Design:	Plan #4	Offset TVD Reference:	Offset Datum

Reference Depths are relative to KB=25' @ 3880.00usft (H&P 602)

Offset Depths are relative to Offset Datum

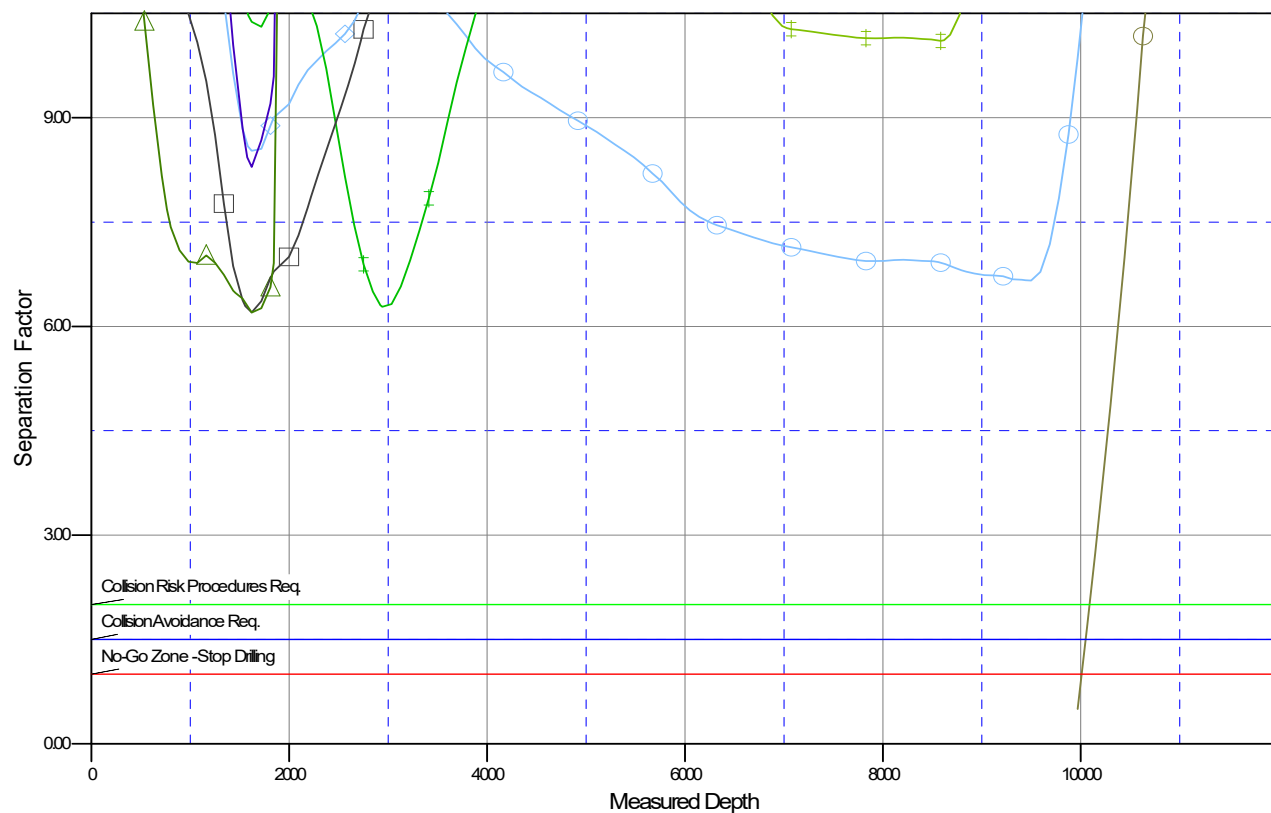
Central Meridian is -104.333334

Coordinates are relative to: Norte State Com 702H

Coordinate System is US State Plane 1983, New Mexico Eastern Zone

Grid Convergence at Surface is: 0.48°

Separation Factor Plot



LEGEND

Eagle State Com 302H, OH, Plan #2 V0	Norte State Com 702H, S1D1, Plan #4 V0	Eagle State Com 501H, OH, Plan #3 V0
Norte State Com 601H, OH, Plan #1 V0	Eagle State Com 303H, OH, OH V0	Eagle State Com 703H, OH, OH V0
Eagle State Com 602H, OH, Plan #2 V0	Eagle State Com 702H, OH, Plan #3 V0	Eagle State Com 701H, OH, Plan #2 V0
Eagle State Com 502H, OH, Plan #3 V0	Norte State Com 602H, OH, Plan #1 V0	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Geologic Prognosis



Well Name	Norte State Com 702H
Operator	Franklin Mountain Energy, LLC
Project Area	Norte Unit
Well Type	10,000' Wolfcamp Lateral
API	
Permit Number	
Rig	

State	NM	County	Lea						
SHL	Township	19S/35E	Section	3	1,995'	FWL	325'	FNL	
BHL	Township	18S/35E	Section	27	1,700'	FWL	150'	FNL	
Surface Latitude	NAD 83		32.695728						
Surface Longitude	NAD 83		103.447311						
Bottom Hole Latitude	NAD 83		32.725455						
Bottom Hole Longitude	NAD 83		103.448319						
Ground Level	3,855'		Rig KB	25'	KB	3,880'			

Formations	PROG SS	PROG TVD	Picked TVD	delta	Potential/Issues
Cenozoic Alluvium (surface)	3,855'	25'	25'	0	Sand/Gravels/unconsolidated
Rustler	2,076'	1,804'	1,811'	7	Carbonates
Salado	1,841'	2,039'	2,064'	25	Salt, Carbonate & Clastics
Base Salt	924'	2,957'	3,400'	443	Shaley Carbonate & Shale
Yates	524'	3,357'	3,482'	125	Carbonate & Clastics
Seven Rivers	76'	3,805'	3,809'	4	Sandstone - oil/gas/water
Queen	-684'	4,565'	4,570'	5	Sandstone - oil/gas/water
Cherry Canyon	-2,122'	6,002'	6,085'	83	Sand/carb/shales - oil/gas/water
Bone Spring Lime	-3,578'	7,458'	7,442'	-16	Shale/Carbonates - oil/gas
First Bone Spring Sand	-5,147'	9,028'	8,883'	-145	Shale/Carbonates - oil/gas
Second Bone Spring Carbonates	-5,413'	9,293'	9,288'	-5	Chert/Carbonate
Second Bone Spring Sand	-5,577'	9,457'	9,478'	21	Sandstone - oil/gas/water
Third Bone Spring Carbonates	-6,006'	9,886'	9,884'	-2	Shale/Carbonates - oil/gas
Third Bone Spring Sand	-6,084'	9,965'	9,987'	22	Sandstone - oil/gas/water
Wolfcamp	-6,242'	10,122'	10,219'	97	Overpressure shale/sand- Oil/Gas
HZ Target	-6,595'	10,475'			Overpressure Shale - Oil/Gas
Wolfcamp B	-6,826'	10,706'			Overpressure Shale - Oil/Gas

Target interval is expected to have an average apparent dip of ~0.0 degrees down along the lateral based on Wolfcamp structure

Target window tolerance is set at +/- 10'

Target Line: 10,475' KBTVD @ 0' VS w/ 90.0° inc.

Offset Log: Scharb (30025272270000)

Updated 6/15/2023

FME Geologist		Ben Metz		bmetz@fmellc.com	
		Office	303.513.8590	Cell	303.513.8590
FME Engineer					
Electric Logs					
			From	To	
Open-Hole	n/a				
MWD/LWD	MWD GR			Int. 1 Csg. Point	TD
Mud Log:					
t drill out of surface casing					
Sampling:	10' samples in vertical and through curve, 30' samples in lateral				
Samples:	1 set dry samples at footage frequency noted above				
Mud Gas:	Continuous				
Daily Contact:	Email distribution of mud log/daily report at 7:30am and 4:30 pm CST				
Daily Mud Log Email Distribution List					
Final Mud Log Distribution					
	Ben Metz (bmetz@fmellc.com)			email	
Cuttings/Samples Shipment Information					

Geologic Prognosis



Well Name	Norte State Com 702H PH
Operator	Franklin Mountain Energy 3, LLC
Project Area	Norte Unit
Well Type	Pilot Hole
API	
Permit Number	
Rig	

State	NM	County	Lea						
SHL	Township	19S/35E	Section	3	1,995'	FWL	325'	FNL	
BHL	Township	18S/35E	Section	27	1,700'	FWL	150'	FNL	
Surface Latitude	NAD 83		32.695728						
Surface Longitude	NAD 83		103.447311						
Bottom Hole Latitude	NAD 83								
Bottom Hole Longitude	NAD 83								
Ground Level	3,855'		Rig KB	30'	KB	3,885'			

Formations	PROG SS	PROG TVD	Picked TVD	delta	Potential/Issues
Cenozoic Alluvium (surface)	3,855'	30'	30'	0	Sand/Gravels/unconsolidated
Rustler	2,076'	1,809'	1,811'	2	Carbonates
Salado	1,841'	2,044'	2,064'	20	Salt, Carbonate & Clastics
Base Salt	924'	2,962'	3,400'	438	Shaley Carbonate & Shale
Yates	524'	3,362'	3,482'	120	Carbonate & Clastics
Seven Rivers	76'	3,810'	3,809'	-1	Sandstone - oil/gas/water
Queen	-684'	4,570'	4,570'	0	Sandstone - oil/gas/water
Cherry Canyon	-2,122'	6,007'	6,085'	78	Sand/carb/shales - oil/gas/water
Bone Spring Lime	-3,578'	7,463'	7,442'	-21	Shale/Carbonates - oil/gas
First Bone Spring Sand	-5,147'	9,033'	8,883'	-150	Shale/Carbonates - oil/gas
Second Bone Spring Carbonates	-5,413'	9,298'	9,288'	-10	Chert/Carbonate
Second Bone Spring Sand	-5,577'	9,462'	9,478'	16	Sandstone - oil/gas/water
Third Bone Spring Carbonates	-6,006'	9,891'	9,884'	-7	Shale/Carbonates - oil/gas
Third Bone Spring Sand	-6,084'	9,970'	9,987'	17	Sandstone - oil/gas/water
Wolfcamp	-6,242'	10,127'	10,219'	92	Overpressure shale/sand- oil/gas
Wolfcamp B	-6,383'	10,269'	10,706'	437	Overpressure Shale - oil/gas
Strawn	-7711	11,596'			Overpressure Shale - oil/gas
Mississippian Lime	-8339	12,224'			Overpressure Carbonate - oil/gas
Woodford Shale	-9019	12,904'			Overpressure Shale - oil/gas
Devonian	-9150	13,035'			Overpressure Carbonates- water

Target interval for this Pilot Hole is to penetrate the Devonian, plus 100' MD and run OH logs from 7,000' MD to 13,035' MD

Updated 6/15/2023

FME Geologist		Ben Metz		bmetz@fmellc.com	
		Office	303.513.8590	Cell	303.513.8590
FME Engineer					
Electric Logs					
				From	To
Open-Hole					
	Quad Combo				
MWD/LWD					
	MWD GR				
Mud Log:					
t drill out of surface casing					
Sampling:	10' samples in vertical and through curve, 30' samples in lateral				
Samples:	1 set dry samples at footage frequency noted above				
Mud Gas:	Continuous				
Daily Contact:	Email distribution of mud log/daily report at 7:30am and 4:30 pm CST				
Daily Mud Log Email Distribution List					
Final Mud Log Distribution					
	Ben Metz (bmetz@fmellc.com)			email	
Cuttings/Samples Shipment Information					

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 228722

CONDITIONS

Operator: Franklin Mountain Energy 3, LLC 44 Cook Street Denver, CO 80206	OGRID: 331595
	Action Number: 228722
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
pkautz	None	6/15/2023