

Well Name: LTK 24-25 FED COM	Well Location: T18S / R32E / SEC 24 / NENE / 32.736934 / -103.714229	County or Parish/State: LEA / NM
Well Number: 205H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM078148	Unit or CA Name:	Unit or CA Number:
US Well Number:	Operator: PBEX OPERATIONS LLC	

Notice of Intent

Sundry ID: 2898187

Type of Submission: Notice of Intent

Type of Action: APD Change

Date Sundry Submitted: 02/27/2026

Time Sundry Submitted: 05:20

Date proposed operation will begin: 02/27/2026

Procedure Description: AFMSS APD Number: 10400100265 EGL Resources, Inc requests to change the operator name to PBEX Operations, LLC. PBEX Operations, LLC requests to move the lateral portion of our well to the following: Original: FTP 330' FNL, 330' FEL LTP 330' FSL, 330' FEL BHL 10' FSL, 330' FEL New: FTP 100' FNL, 660' FEL LTP 100' FSL, 660' FEL BHL 50' FSL, 660' FEL

NOI Attachments

Procedure Description

- LTK_Drilling_Changes_205H_20260324065620.pdf
- Plan_1_WM__02__LTK_24_25_FED_COM_205H_20260324065614.pdf
- Plan_1_AC__02__LTK_24_25_FED_COM_205H_20260324065610.pdf
- Plan_1__02__LTK_24_25_FED_COM_205H_20260324065605.pdf
- 24_021539_LTK_24_25_Fed_Com_205H_C_102_20260324065549.pdf
- LTK_24_25_Fed_Com_205H_C_102_Original_20260227172034.pdf

Well Name: LTK 24-25 FED COM

Well Location: T18S / R32E / SEC 24 / NENE / 32.736934 / -103.714229

County or Parish/State: LEA / NM

Well Number: 205H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM078148

Unit or CA Name:

Unit or CA Number:

US Well Number:

Operator: PBEX OPERATIONS LLC

Conditions of Approval

Specialist Review

24_18_32_A_Sundry_ID_2898187_LTK_24_25_Fed_Com_205H_Lea_NM078148_EGL_RESOURCES_INCORPORATED_13_22g_2_27_2024_LV_20260324100852.pdf
LTK_24_25_Fed_Com_205H_Dr_COA_20260324100852.pdf

Operator

I certify that the foregoing is true and correct. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Sundry Notices through this system satisfies regulations requiring a

Operator Electronic Signature: MIKAH THOMAS

Signed on: MAR 24, 2026 06:57 AM

Name: PBEX OPERATIONS LLC

Title: Regulatory Manager

Street Address: 223 WEST WALL STREET STE 900

City: MIDLAND

State: TX

Phone: (432) 661-7106

Email address: MIKAH@PBEX.COM

Field

Representative Name:

Street Address:

City:

State:

Zip:

Phone:

Email address:

BLM Point of Contact

BLM POC Name: LONG VO

BLM POC Title: Petroleum Engineer

BLM POC Phone: 5759885402

BLM POC Email Address: LVO@BLM.GOV

Disposition: Approved

Disposition Date: 03/24/2026

Signature: Long Vo

Form 3160-5
(October 2024)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0220
Expires: October 31, 2027

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on page 2		5. Lease Serial No.
1. Type of Well <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		6. If Indian, Allottee or Tribe Name
2. Name of Operator		7. If Unit of CA/Agreement, Name and/or No.
3a. Address	3b. Phone No. (include area code)	8. Well Name and No.
4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description)		9. API Well No.
		10. Field and Pool or Exploratory Area
		11. Country or Parish, State

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)	
	Title
Signature	Date

THE SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by		
	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

Title 18 U.S.C Section 1001 and Title 43 U.S.C Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

GENERAL INSTRUCTIONS

This form is designed for submitting proposals to perform certain well operations and reports of such operations when completed as indicated on Federal and Indian lands pursuant to applicable Federal law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local area or regional procedures and practices, are either shown below, will be issued by or may be obtained from the local Federal office.

SPECIFIC INSTRUCTIONS

Item 4 - Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult the local Federal office for specific instructions.

Item 13: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by the local Federal office. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to the top of any tubing left in the hole; method of closing top of well and date well site conditioned for final inspection looking for approval of the abandonment. If the proposal will involve **hydraulic fracturing operations**, you must comply with 43 CFR 3162.3-3, including providing information about the protection of usable water. Operators should provide the best available information about all formations containing water and their depths. This information could include data and interpretation of resistivity logs run on nearby wells. Information may also be obtained from state or tribal regulatory agencies and from local BLM offices.

NOTICES

The privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.

PRINCIPAL PURPOSE: The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c) and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.

ROUTINE USES: Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.

EFFECT OF NOT PROVIDING THE INFORMATION: Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

The Paperwork Reduction Act of 1995 requires us to inform you that:

The BLM collects this information to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

Response to this request is mandatory.

The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

BURDEN HOURS STATEMENT: Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C St., N.W., Mail Stop 401 LS, Washington, D.C. 20240

Additional Information

Additional Remarks

LTP 100' FSL, 660' FEL

BHL 50' FSL, 660' FEL

Location of Well

0. SHL: NENE / 1184 FNL / 915 FEL / TWSP: 18S / RANGE: 32E / SECTION: 24 / LAT: 32.736934 / LONG: -103.714229 (TVD: 0 feet, MD: 0 feet)

PPP: NENE / 330 FNL / 330 FEL / TWSP: 18S / RANGE: 32E / SECTION: 24 / LAT: 32.739277 / LONG: -103.712328 (TVD: 9500 feet, MD: 9983 feet)

BHL: SESE / 10 FSL / 330 FEL / TWSP: 18S / RANGE: 32E / SECTION: 25 / LAT: 32.711159 / LONG: -103.712307 (TVD: 9500 feet, MD: 20217 feet)

CONFIDENTIAL

Notice of Intent to Change Drill Plan

LTK 24-25 Fed Com 205H

Original Design in Grey
New Design in Blue

Propose intermediate open hole size change from 9.875" to 12.25" - Allows for a larger clearance of annular space between OH size and planned 9-5/8" casing size.

Target Zone: BS2Carb

Target Zone: BS2Carb

Casing Design- ORIGINAL

Name	Hole Size	Casing Size	Standard	Tapered	Top MD	Btm MD	Top TVD	Btm TVD	Grade	Weight	Thread	Collapse	Burst	Tension
Surface	17 1/2	13 3/8	API	no	0	1380	0	1380	J-55	54.5	BTC	1.125	1.125	1.6
Intermediate 1	9 7/8	8 5/8	API	no	0	4590	0	4560	P-110 HP	32	Talon HTQ	1.125	1.125	1.6
Production	7 7/8	5 1/2	API	no	0	20215	0	9450	P-110 EC	17	CDC HTQ	1.125	1.125	1.6

Casing Design- NEW

Name	Hole Size	Casing Size	Standard	Tapered	Top MD	Btm MD	Top TVD	Btm TVD	Grade	Weight	Thread	Collapse	Burst	Tension
Surface	17 1/2	13 3/8	API	no	0	1310	0	1310	J-55	54.55	BTC	1.125	1.125	1.6
Intermediate 1	12 1/4	9 5/8	API	no	0	4700	0	4590	J-55	40	BTC	1.125	1.125	1.6
Production	8 3/4	5 1/2	API	no	0	19789	0	9460	P110	20	Freedom	1.125	1.125	1.6

Alternate Grades and or higher weights could be substituted to meet maximum stimulation pressures or due to coupling availability

Cement Details- ORIGINAL

Name	Type	Top MD	Sacks	Yield	Cu Ft	Weight	Excess	Cement	Additives
Surface	Lead	0	751	2.22	1667.3	12.5	100%	C	Gel, Accleerator, LCM
	Tail	1200	136	1.84	250.1	13.2	100%	C	Gel, Accleerator, LCM
Intermediate	Lead	0	252	4.65	1172.8	10.5	100%	C or H	Fluid Loss, Retarder, LCM, Possibly Beads
	Tail	3840	130	1.83	237.9	13.2	100%	C or H	Fluid Loss, Retarder, LCM
Produciton	Lead	4090	217	4.3	934.6	10.5	20%	H	Fluid Loss, Retarder, LCM
	Tail	8530	1498	1.68	2517.3	13	20%	H	Fluid Loss, Retarder, LCM

Cement Details- NEW

Name	Type	Top MD	Sacks	Yield	Cu Ft	Weight	Excess	Cement	Additives
Surface	Lead	0	1,158	1.44	1667.1	12.8	100%	C	Gel, Accleerator, LCM
	Tail	1200	115	1.33	152.8	14.8	100%	C	Gel, Accleerator, LCM
Intermediate	Lead	0	753	3.32	2500.5	10.5	100%	C	Fluid Loss, Retarder, LCM, Possibly Beads
	Tail	3785	474	1.21	573.1	13.2	100%	C	Fluid Loss, Retarder, LCM
Produciton	Lead	4035	381	3.03	1153.8	10.5	20%	H	Fluid Loss, Retarder, LCM
	Tail	7820	2,950	1.23	3628.0	13.2	20%	H	Fluid Loss, Retarder, LCM

Mud Program- ORIGINAL

Name	Top	Bottom	Type	Mud Weight	Vis	Fluid Loss
Surface	0	1380	Water Based Mud	8.3	30-60	NC
Intermediate	1380	4560	Brine	10.2	35-45	NC
Production	4560	20215	Oil Based Mud	9.7	35-65	4 to 6

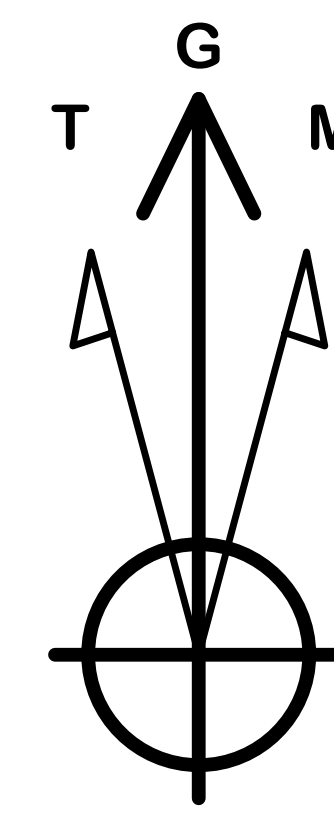
Mud Program- NEW

Name	Top	Bottom	Type	Mud Weight	Vis	Fluid Loss
Surface	0	1310	Water Based Mud	8.3	30-60	NC
Intermediate	1310	4700	Brine Based Mud	10.2	35-45	NC
Production	4700	19867	Oil Based Mud	9.7	35-65	4 to 6



Site: LTK Pad
Well: (02) LTK 24-25 FED COM 205H
Wellbore: 205H
Plan: Plan 1

PROJECT DETAILS: Lea County, NM (N83 - NME)
Well Name: (02) LTK 24-25 FED COM 205H
Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: New Mexico Eastern Zone
System Datum: Mean Sea Level
Local North: Grid
KB Elevation: 30.5' RKB @ 3840.50usft
Elevation: 3810.00
To convert a Magnetic Direction to a Grid Direction, Add 5.958°



Azimuths to Grid North
True North: -0.33°
Magnetic North: 5.96°

Magnetic Field
Strength: 47216.0nT
Dip Angle: 60.17°
Date: 3/23/2026
Model: IGRF2025



WELL DETAILS: (02) LTK 24-25 FED COM 205H

Northing	Easting	Latitude	Longitude
632384.28	731703.23	32.73693355	-103.71422882

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
FTP/PP1 - v1 - (02) LTK 24-25 FED COM 205H	9460.00	1084.55	248.15	633468.83	731951.38	32.73991047	-103.71340120
LTP - v1 - (02) LTK 24-25 FED COM 205H	9460.00	-9284.97	315.42	623099.31	732018.65	32.71140849	-103.71337970
PBHL - v1 - (02) LTK 24-25 FED COM 205H	9460.00	-9334.97	315.75	623049.31	732018.98	32.71127105	-103.71337958

SECTION DETAILS

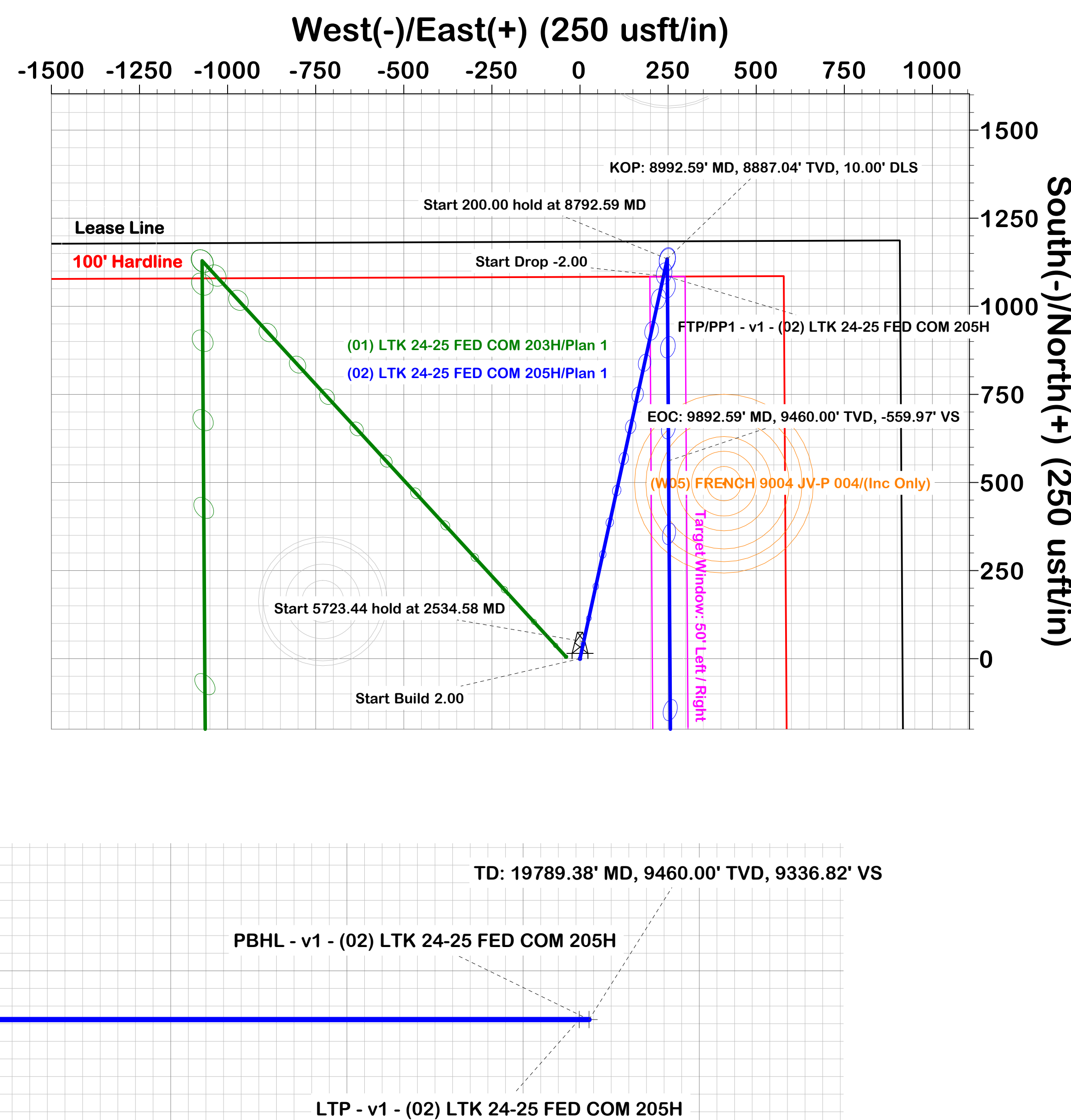
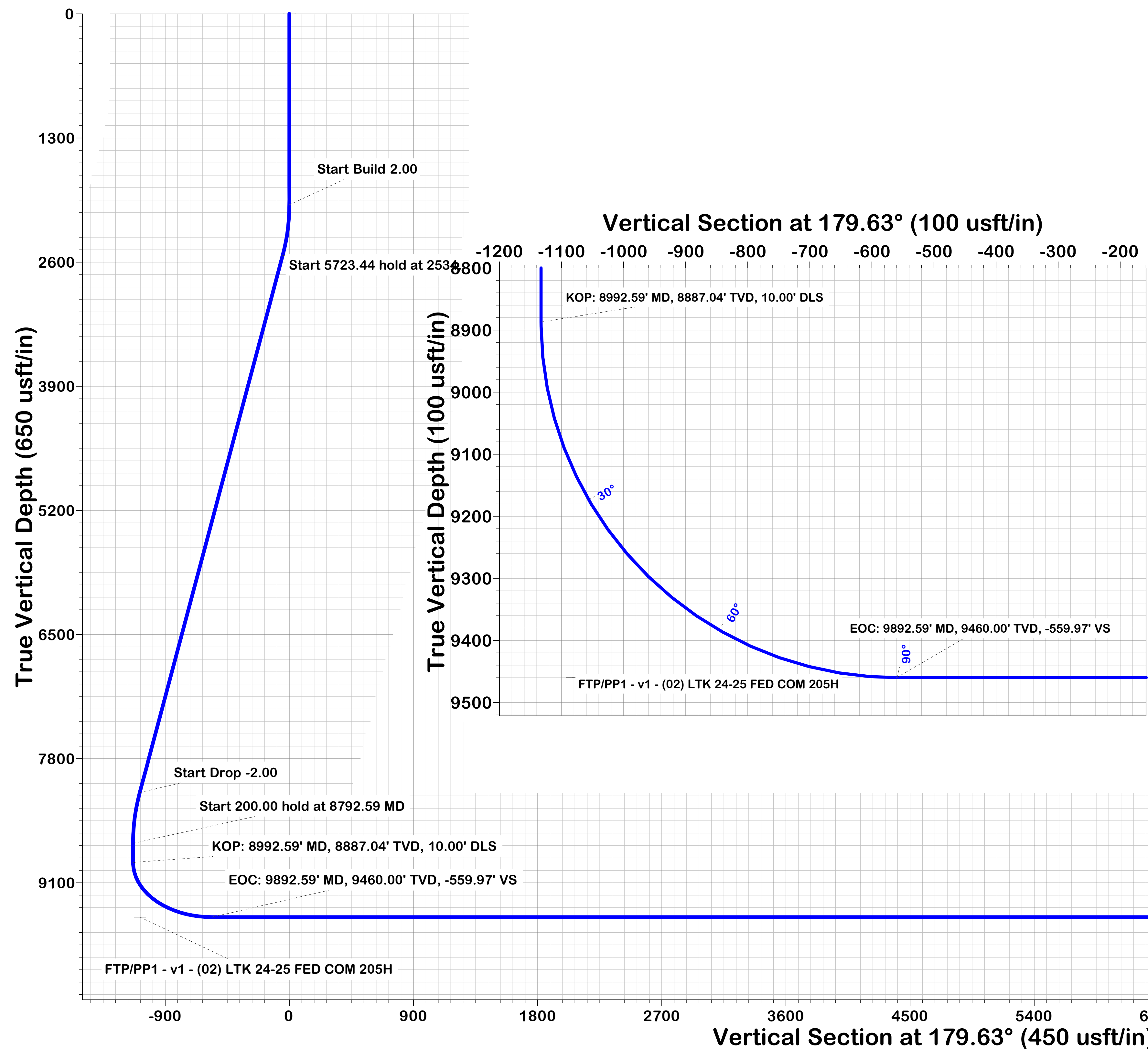
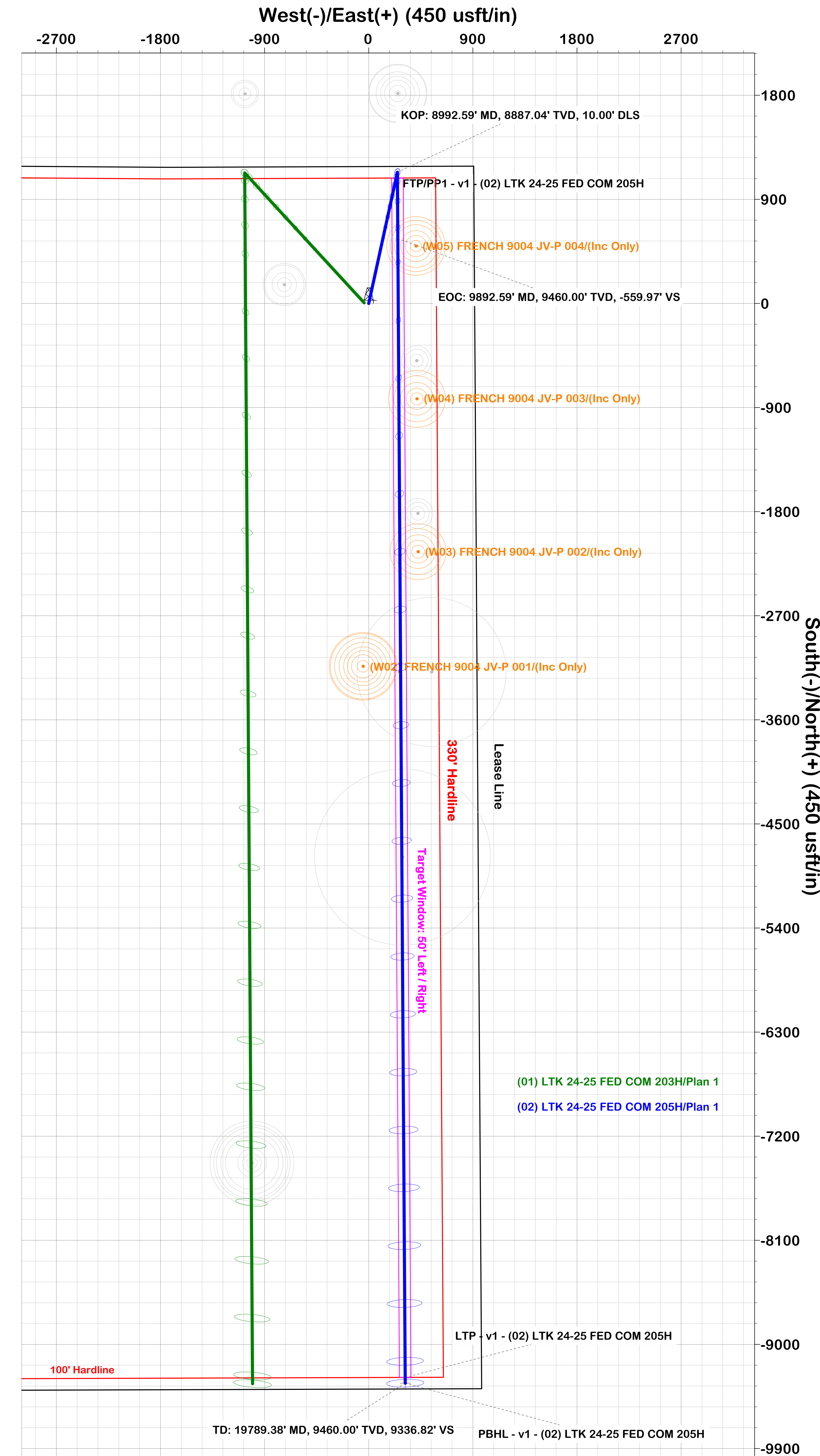
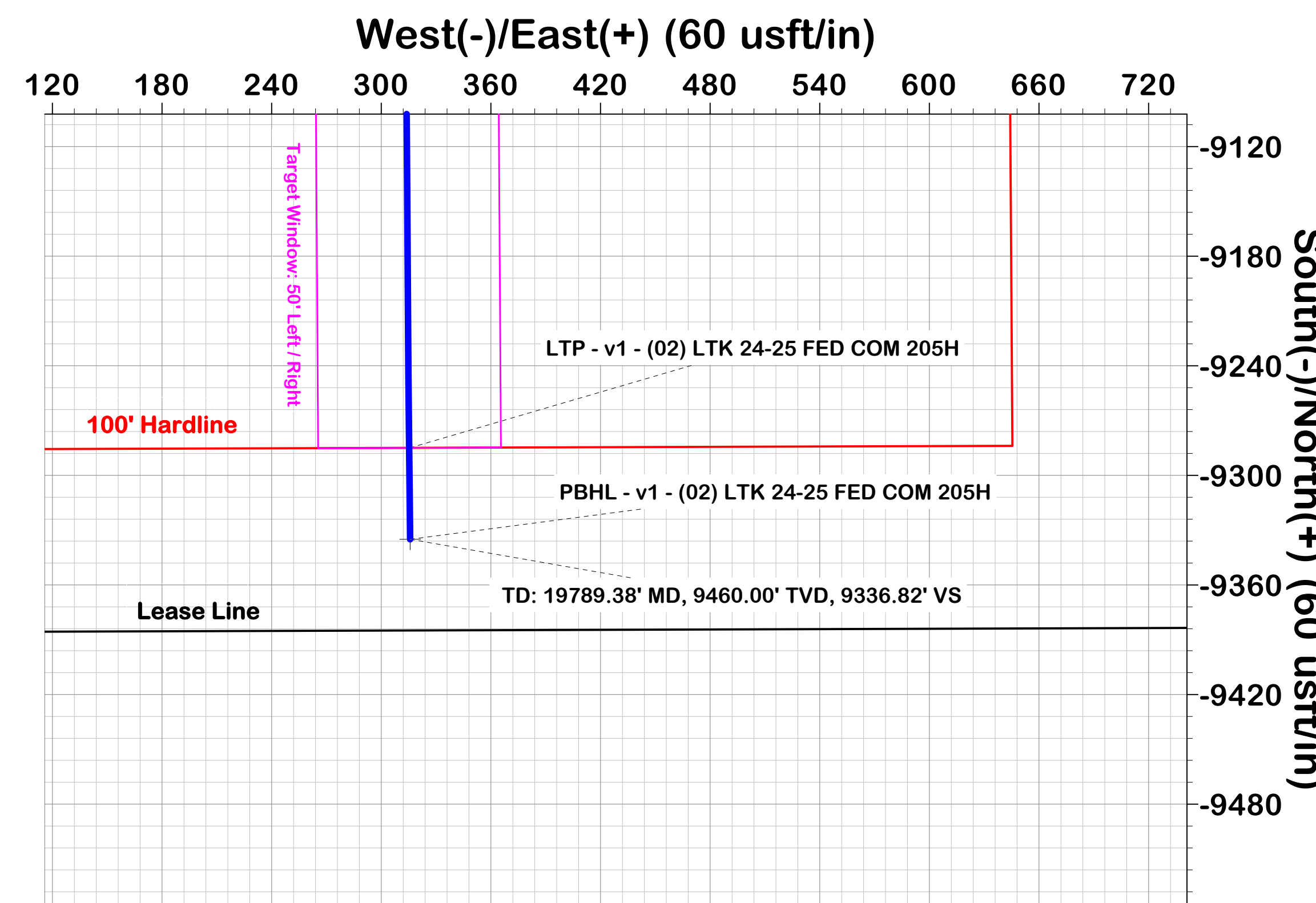
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.00
2	2000.00	0.00	0.00	2000.00	0.00	0.00	0.00	0.000	0.00
3	2534.58	10.69	12.32	2531.48	48.59	10.61	2.00	12.319	-48.52
4	8258.01	10.69	12.32	8155.56	1085.96	237.15	0.00	0.000	-1084.41
5	8792.59	0.00	0.00	8687.04	1134.55	247.76	2.00	180.000	-1132.93
6	8992.59	0.00	0.00	8887.04	1134.55	247.76	0.00	0.000	-1132.93
7	9892.59	90.00	179.63	9460.00	561.60	251.46	10.00	179.630	-559.97
8	19789.38	90.00	179.63	9460.00	-9334.97	315.75	0.00	0.000	9336.81

Well Color Legend

Current Plan
Pad Offset Plans
Pad Dixon Surveys
Offset AC Concern
Offset NO AC Concern

FORMATION TOP DETAILS

No formation data is available





PBEX

**Lea County, NM (N83 - NME)
LTK Pad
(02) LTK 24-25 FED COM 205H
TBD
205H
Plan 1**

Anticollision Report

23 March, 2026

DIXON



Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (02) LTK 24-25 FED COM 205H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	30.5' RKB @ 3840.50usft
Reference Site:	LTK Pad	MD Reference:	30.5' RKB @ 3840.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) LTK 24-25 FED COM 205H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	205H	Database:	EDM
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

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

Survey Tool Program	Date	3/23/2026		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.00	19,789.38	Plan 1 (205H)	MWD	OWSG MWD - Standard

Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Summary						
Offset Well - Wellbore - Design						
LTK Pad						
(01) LTK 24-25 FED COM 203H - 203H - Plan 1	2,000.00	2,000.00	40.01	28.89	3.598	CC, ES, SF
LTK Pad Offsets						
(W01) UNCLE SAM 001 - 23860 - (Inc Only)						Out of range
(W02) FRENCH 9004 JV-P 001 - 30888 - (Inc Only)	13,588.90	9,423.63	324.10	64.73	1.250	Level 3, CC, ES, SF
(W03) FRENCH 9004 JV-P 002 - 31118 - (Inc Only)	12,601.04	9,431.36	157.46	-90.35	0.635	Level 3, CC, ES, SF
(W04) FRENCH 9004 JV-P 003 - 31206 - (Inc Only)	11,279.58	9,438.61	155.92	-71.08	0.687	Level 3, CC, ES, SF
(W05) FRENCH 9004 JV-P 004 - 31235 - (Inc Only)	9,957.16	9,451.90	156.72	-65.59	0.705	Level 3, CC, ES, SF
(W06) FRENCH C 9004 JV-P 001 - 31447 - (Inc Only)	1,739.40	1,743.51	644.07	597.06	13.701	CC
(W06) FRENCH C 9004 JV-P 001 - 31447 - (Inc Only)	2,100.00	2,104.59	645.90	591.05	11.776	ES
(W06) FRENCH C 9004 JV-P 001 - 31447 - (Inc Only)	4,700.00	4,664.27	987.73	872.98	8.608	SF
(W07) FRENCH B 9004 JV-P 001 - 31448 - (Inc Only)						Out of range
(W08) RIO PECOS FEDERAL 001 - 31490 - (Inc Only)	2,134.93	2,108.59	747.54	689.34	12.845	CC
(W08) RIO PECOS FEDERAL 001 - 31490 - (Inc Only)	3,100.00	3,061.51	762.70	675.43	8.739	ES
(W08) RIO PECOS FEDERAL 001 - 31490 - (Inc Only)	5,800.00	5,711.31	991.74	824.48	5.929	SF
(W09) CORBIN 13 A FEDERAL 003 - 33474 - (Inc Only)						Out of range
(W10) WEST CORBIN 13 FEDERAL 001 - 31635 - (Inc O	8,900.00	8,803.63	681.34	456.74	3.034	CC
(W10) WEST CORBIN 13 FEDERAL 001 - 31635 - (Inc O	9,000.00	8,904.48	683.28	455.90	3.005	ES
(W10) WEST CORBIN 13 FEDERAL 001 - 31635 - (Inc O	9,050.00	8,956.59	685.97	457.27	2.999	SF
(W11) FRENCH 'D' 9004 JVP 1 - 31598 - (Depth Only)						Out of range
(W12) SOUTH FOUR LAKES UNIT 004 - 00870 - (Depth						Out of range

Offset Design:	LTK Pad - (01) LTK 24-25 FED COM 203H - 203H - Plan 1												Offset Site Error:	0.00 usft
Survey Program:	0-MWD												Offset Well Error:	0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Offset Measured Depth (usft)	Offset 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)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
0.00	0.00	0.00	0.00	0.00	0.00	-81.837	5.68	-39.60	40.01					
100.00	100.00	100.00	100.00	0.79	0.79	-81.837	5.68	-39.60	40.01	38.43	1.57	25.460		
200.00	200.00	200.00	200.00	1.45	1.45	-81.837	5.68	-39.60	40.01	37.11	2.89	13.832		
300.00	300.00	300.00	300.00	1.89	1.89	-81.837	5.68	-39.60	40.01	36.22	3.78	10.574		
400.00	400.00	400.00	400.00	2.25	2.25	-81.837	5.68	-39.60	40.01	35.50	4.51	8.876		
500.00	500.00	500.00	500.00	2.57	2.57	-81.837	5.68	-39.60	40.01	34.87	5.14	7.790		

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



Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (02) LTK 24-25 FED COM 205H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	30.5' RKB @ 3840.50usft
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Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	205H	Database:	EDM
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: LTK Pad - (01) LTK 24-25 FED COM 203H - 203H - Plan 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD													Offset Well Error:	0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Offset		Semi Major Axis			Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
		Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	+N/-S (usft)		+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)				
600.00	600.00	600.00	600.00	2.85	2.85	-81.837	5.68	-39.60	40.01	34.31	5.70	7.019		
700.00	700.00	700.00	700.00	3.11	3.11	-81.837	5.68	-39.60	40.01	33.79	6.22	6.436		
800.00	800.00	800.00	800.00	3.35	3.35	-81.837	5.68	-39.60	40.01	33.31	6.70	5.973		
900.00	900.00	900.00	900.00	3.58	3.58	-81.837	5.68	-39.60	40.01	32.85	7.15	5.595		
1,000.00	1,000.00	1,000.00	1,000.00	3.79	3.79	-81.837	5.68	-39.60	40.01	32.43	7.58	5.278		
1,100.00	1,100.00	1,100.00	1,100.00	3.99	3.99	-81.837	5.68	-39.60	40.01	32.02	7.99	5.008		
1,200.00	1,200.00	1,200.00	1,200.00	4.19	4.19	-81.837	5.68	-39.60	40.01	31.62	8.38	4.773		
1,300.00	1,300.00	1,300.00	1,300.00	4.38	4.38	-81.837	5.68	-39.60	40.01	31.25	8.76	4.567		
1,400.00	1,400.00	1,400.00	1,400.00	4.56	4.56	-81.837	5.68	-39.60	40.01	30.88	9.13	4.384		
1,500.00	1,500.00	1,500.00	1,500.00	4.74	4.74	-81.837	5.68	-39.60	40.01	30.53	9.48	4.220		
1,600.00	1,600.00	1,600.00	1,600.00	4.91	4.91	-81.837	5.68	-39.60	40.01	30.18	9.82	4.072		
1,700.00	1,700.00	1,700.00	1,700.00	5.08	5.08	-81.837	5.68	-39.60	40.01	29.85	10.16	3.938		
1,800.00	1,800.00	1,800.00	1,800.00	5.24	5.24	-81.837	5.68	-39.60	40.01	29.52	10.49	3.815		
1,900.00	1,900.00	1,900.00	1,900.00	5.40	5.40	-81.837	5.68	-39.60	40.01	29.20	10.80	3.703		
2,000.00	2,000.00	2,000.00	2,000.00	5.56	5.56	-81.837	5.68	-39.60	40.01	28.89	11.12	3.598 CC, ES, SF		
2,100.00	2,099.98	2,098.91	2,098.89	5.80	5.79	-95.013	6.94	-40.76	41.47	30.01	11.47	3.617		
2,200.00	2,199.84	2,197.66	2,197.50	6.05	6.04	-97.245	10.70	-44.21	45.92	34.12	11.80	3.891		
2,300.00	2,299.45	2,296.12	2,295.59	6.31	6.29	-100.108	16.94	-49.95	53.46	41.33	12.13	4.406		
2,400.00	2,398.70	2,394.13	2,392.88	6.59	6.56	-102.941	25.61	-57.92	64.15	51.68	12.47	5.146		
2,500.00	2,497.47	2,491.55	2,489.14	6.89	6.84	-105.385	36.66	-68.06	78.02	65.20	12.82	6.087		
2,534.58	2,531.48	2,525.08	2,522.15	6.95	6.95	-106.116	41.01	-72.07	83.55	70.63	12.92	6.469		
2,600.00	2,595.77	2,588.31	2,584.19	7.09	7.15	-107.134	50.00	-80.33	94.82	81.69	13.13	7.223		
2,700.00	2,694.03	2,684.42	2,677.93	7.36	7.47	-107.177	65.59	-94.66	113.71	100.19	13.52	8.408		
2,800.00	2,792.30	2,781.48	2,772.01	7.64	7.74	-106.314	83.17	-110.81	134.16	120.22	13.93	9.628		
2,900.00	2,890.56	2,879.33	2,866.80	7.95	8.04	-105.617	101.02	-127.21	154.75	140.35	14.39	10.750		
3,000.00	2,988.82	2,977.17	2,961.59	8.27	8.35	-105.083	118.88	-143.62	175.35	160.47	14.88	11.783		
3,100.00	3,087.09	3,075.01	3,056.38	8.60	8.68	-104.662	136.73	-160.02	195.97	180.58	15.39	12.733		
3,200.00	3,185.35	3,172.85	3,151.17	8.94	9.02	-104.321	154.58	-176.43	216.59	200.67	15.92	13.605		
3,300.00	3,283.62	3,270.70	3,245.96	9.30	9.38	-104.039	172.44	-192.84	237.22	220.76	16.47	14.406		
3,400.00	3,381.88	3,368.54	3,340.75	9.66	9.74	-103.802	190.29	-209.24	257.86	240.83	17.03	15.141		
3,500.00	3,480.14	3,466.38	3,435.55	10.03	10.12	-103.600	208.14	-225.65	278.50	260.89	17.61	15.815		
3,600.00	3,578.41	3,564.22	3,530.34	10.41	10.50	-103.427	226.00	-242.05	299.14	280.94	18.20	16.435		
3,700.00	3,676.67	3,662.07	3,625.13	10.79	10.90	-103.275	243.85	-258.46	319.78	300.98	18.80	17.006		
3,800.00	3,774.94	3,759.91	3,719.92	11.19	11.30	-103.142	261.70	-274.87	340.43	321.01	19.42	17.531		
3,900.00	3,873.20	3,857.75	3,814.71	11.58	11.70	-103.024	279.56	-291.27	361.08	341.04	20.04	18.015		
4,000.00	3,971.46	3,955.59	3,909.50	11.98	12.11	-102.919	297.41	-307.68	381.73	361.05	20.68	18.462		
4,100.00	4,069.73	4,053.44	4,004.29	12.39	12.53	-102.825	315.26	-324.08	402.38	381.06	21.32	18.875		
4,200.00	4,167.99	4,151.28	4,099.08	12.80	12.95	-102.740	333.12	-340.49	423.03	401.06	21.97	19.258		
4,300.00	4,266.26	4,249.12	4,193.87	13.21	13.38	-102.663	350.97	-356.89	443.68	421.06	22.62	19.613		
4,400.00	4,364.52	4,346.97	4,288.66	13.63	13.81	-102.593	368.82	-373.30	464.33	441.05	23.28	19.943		
4,500.00	4,462.78	4,444.81	4,383.45	14.05	14.24	-102.528	386.68	-389.71	484.99	461.04	23.95	20.249		
4,600.00	4,561.05	4,542.65	4,478.24	14.47	14.67	-102.469	404.53	-406.11	505.64	481.02	24.62	20.535		
4,700.00	4,659.31	4,640.49	4,573.03	14.90	15.11	-102.415	422.38	-422.52	526.29	500.99	25.30	20.802		
4,800.00	4,757.58	4,738.34	4,667.82	15.32	15.55	-102.364	440.24	-438.92	546.95	520.97	25.98	21.051		
4,900.00	4,855.84	4,836.18	4,762.62	15.75	16.00	-102.318	458.09	-455.33	567.60	540.94	26.67	21.284		
5,000.00	4,954.10	4,934.02	4,857.41	16.18	16.44	-102.274	475.94	-471.74	588.26	560.90	27.36	21.503		
5,100.00	5,052.37	5,031.86	4,952.20	16.61	16.89	-102.234	493.80	-488.14	608.92	580.87	28.05	21.708		
5,200.00	5,150.63	5,129.71	5,046.99	17.05	17.34	-102.196	511.65	-504.55	629.57	600.82	28.75	21.901		
5,300.00	5,248.90	5,227.55	5,141.78	17.48	17.80	-102.161	529.50	-520.95	650.23	620.78	29.45	22.082		
5,400.00	5,347.16	5,325.39	5,236.57	17.92	18.25	-102.128	547.36	-537.36	670.88	640.74	30.15	22.253		
5,500.00	5,445.42	5,423.23	5,331.36	18.36	18.70	-102.096	565.21	-553.77	691.54	660.69	30.85	22.414		
5,600.00	5,543.69	5,521.08	5,426.15	18.80	19.16	-102.067	583.06	-570.17	712.20	680.64	31.56	22.566		

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



Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (02) LTK 24-25 FED COM 205H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	30.5' RKB @ 3840.50usft
Reference Site:	LTK Pad	MD Reference:	30.5' RKB @ 3840.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) LTK 24-25 FED COM 205H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	205H	Database:	EDM
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: LTK Pad - (01) LTK 24-25 FED COM 203H - 203H - Plan 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD													Offset Well Error:	0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning	
		Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)				
5,700.00	5,641.95	5,618.92	5,520.94	19.24	19.62	-102.039	600.92	-586.58	732.85	700.59	32.27	22.710		
5,800.00	5,740.22	5,716.76	5,615.73	19.68	20.08	-102.013	618.77	-602.98	753.51	720.53	32.98	22.847		
5,900.00	5,838.48	5,814.60	5,710.52	20.13	20.54	-101.988	636.62	-619.39	774.17	740.47	33.69	22.976		
6,000.00	5,936.74	5,912.45	5,805.31	20.57	21.00	-101.965	654.48	-635.79	794.83	760.42	34.41	23.099		
6,100.00	6,035.01	6,010.29	5,900.10	21.02	21.46	-101.942	672.33	-652.20	815.48	780.36	35.13	23.215		
6,200.00	6,133.27	6,108.13	5,994.89	21.46	21.93	-101.921	690.18	-668.61	836.14	800.30	35.85	23.326		
6,300.00	6,231.54	6,205.97	6,089.68	21.91	22.39	-101.901	708.04	-685.01	856.80	820.23	36.57	23.431		
6,400.00	6,329.80	6,303.82	6,184.48	22.35	22.86	-101.882	725.89	-701.42	877.46	840.17	37.29	23.531		
6,500.00	6,428.06	6,401.66	6,279.27	22.80	23.32	-101.863	743.74	-717.82	898.12	860.10	38.01	23.627		
6,600.00	6,526.33	6,499.50	6,374.06	23.25	23.79	-101.846	761.60	-734.23	918.77	880.04	38.74	23.718		
6,700.00	6,624.59	6,597.34	6,468.85	23.70	24.26	-101.829	779.45	-750.64	939.43	899.97	39.46	23.805		
6,800.00	6,722.86	6,695.19	6,563.64	24.15	24.72	-101.813	797.30	-767.04	960.09	919.90	40.19	23.888		
6,900.00	6,821.12	6,793.03	6,658.43	24.60	25.19	-101.797	815.16	-783.45	980.75	939.83	40.92	23.967		

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



Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (02) LTK 24-25 FED COM 205H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	30.5' RKB @ 3840.50usft
Reference Site:	LTK Pad	MD Reference:	30.5' RKB @ 3840.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) LTK 24-25 FED COM 205H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	205H	Database:	EDM
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: LTK Pad Offsets - (W02) FRENCH 9004 JV-P 001 - 30888 - (Inc Only)													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Measured Reference Depth (usft)	Vertical Reference Depth (usft)	Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning	
		Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)				
12,700.00	9,460.00	9,423.63	9,422.50	47.17	198.97	90.000	-3,136.71	-48.77	946.14	712.16	233.97	4.044		
12,800.00	9,460.00	9,423.63	9,422.50	48.64	198.97	90.000	-3,136.71	-48.77	852.88	617.83	235.04	3.629		
12,900.00	9,460.00	9,423.63	9,422.50	50.13	198.97	90.000	-3,136.71	-48.77	761.33	524.89	236.44	3.220		
13,000.00	9,460.00	9,423.63	9,422.50	51.64	198.97	90.000	-3,136.71	-48.77	672.19	433.90	238.29	2.821		
13,100.00	9,460.00	9,423.63	9,422.50	53.15	198.97	90.000	-3,136.71	-48.77	586.57	345.80	240.77	2.436		
13,200.00	9,460.00	9,423.63	9,422.50	54.68	198.97	90.000	-3,136.71	-48.77	506.24	262.17	244.08	2.074		
13,300.00	9,460.00	9,423.63	9,422.50	56.21	198.97	90.000	-3,136.71	-48.77	434.17	185.81	248.36	1.748	Level 3	
13,400.00	9,460.00	9,423.63	9,422.50	57.76	198.97	90.000	-3,136.71	-48.77	375.13	121.78	253.35	1.481	Level 3	
13,500.00	9,460.00	9,423.63	9,422.50	59.31	198.97	90.000	-3,136.71	-48.77	336.07	78.29	257.78	1.304	Level 3	
13,588.90	9,460.00	9,423.63	9,422.50	60.69	198.97	90.000	-3,136.71	-48.77	324.10	64.73	259.38	1.250	Level 3, CC, ES, SF	
13,600.00	9,460.00	9,423.63	9,422.50	60.86	198.97	90.000	-3,136.71	-48.77	324.30	64.95	259.35	1.250	Level 3	
13,700.00	9,460.00	9,423.63	9,422.50	62.43	198.97	90.000	-3,136.71	-48.77	342.62	85.68	256.94	1.333	Level 3	
13,800.00	9,460.00	9,423.63	9,422.50	64.00	198.97	90.000	-3,136.71	-48.77	386.79	134.58	252.22	1.534	Level 3	
13,900.00	9,460.00	9,423.63	9,422.50	65.57	198.97	90.000	-3,136.71	-48.77	449.26	201.90	247.35	1.816	Level 3	
14,000.00	9,460.00	9,423.63	9,422.50	67.15	198.97	90.000	-3,136.71	-48.77	523.50	280.16	243.34	2.151		
14,100.00	9,460.00	9,423.63	9,422.50	68.74	198.97	90.000	-3,136.71	-48.77	605.21	364.91	240.30	2.519		
14,200.00	9,460.00	9,423.63	9,422.50	70.33	198.97	90.000	-3,136.71	-48.77	691.73	453.68	238.05	2.906		
14,300.00	9,460.00	9,423.63	9,422.50	71.92	198.97	90.000	-3,136.71	-48.77	781.48	545.09	236.39	3.306		
14,400.00	9,460.00	9,423.63	9,422.50	73.51	198.97	90.000	-3,136.71	-48.77	873.46	638.30	235.16	3.714		
14,500.00	9,460.00	9,423.63	9,422.50	75.11	198.97	90.000	-3,136.71	-48.77	967.04	732.80	234.24	4.128		

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



Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (02) LTK 24-25 FED COM 205H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	30.5' RKB @ 3840.50usft
Reference Site:	LTK Pad	MD Reference:	30.5' RKB @ 3840.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) LTK 24-25 FED COM 205H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	205H	Database:	EDM
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: LTK Pad Offsets - (W03) FRENCH 9004 JV-P 002 - 31118 - (Inc Only)														Offset Site Error:	0.00 usft
Survey Program: 416-INC-ONLY														Offset Well Error:	0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning		
		Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)					
11,700.00	9,460.00	9,431.36	9,430.50	34.48	202.71	-90.000	-2,145.77	426.41	914.69	683.29	231.40	3.953			
11,800.00	9,460.00	9,431.36	9,430.50	35.43	202.71	-90.000	-2,145.77	426.41	816.37	585.05	231.31	3.529			
11,900.00	9,460.00	9,431.36	9,430.50	36.50	202.71	-90.000	-2,145.77	426.41	718.50	487.28	231.22	3.107			
12,000.00	9,460.00	9,431.36	9,430.50	37.65	202.71	-90.000	-2,145.77	426.41	621.32	390.17	231.15	2.688			
12,100.00	9,460.00	9,431.36	9,430.50	38.88	202.71	-90.000	-2,145.77	426.41	525.20	294.05	231.14	2.272			
12,200.00	9,460.00	9,431.36	9,430.50	40.17	202.71	-90.000	-2,145.77	426.41	430.84	199.53	231.32	1.863	Level 3		
12,300.00	9,460.00	9,431.36	9,430.50	41.50	202.71	-90.000	-2,145.77	426.41	339.73	107.73	232.00	1.464	Level 3		
12,400.00	9,460.00	9,431.36	9,430.50	42.88	202.71	-90.000	-2,145.77	426.41	255.36	21.23	234.13	1.091	Level 3		
12,500.00	9,460.00	9,431.36	9,430.50	44.29	202.71	-90.000	-2,145.77	426.41	187.09	-52.70	239.79	0.780	Level 3		
12,600.00	9,460.00	9,431.36	9,430.50	45.72	202.71	-90.000	-2,145.77	426.41	157.46	-90.29	247.75	0.636	Level 3		
12,601.04	9,460.00	9,431.36	9,430.50	45.73	202.71	-90.000	-2,145.77	426.41	157.46	-90.35	247.81	0.635	Level 3, CC, ES, SF		
12,700.00	9,460.00	9,431.36	9,430.50	47.17	202.71	-90.000	-2,145.77	426.41	185.98	-62.04	248.02	0.750	Level 3		
12,800.00	9,460.00	9,431.36	9,430.50	48.64	202.71	-90.000	-2,145.77	426.41	253.73	9.63	244.10	1.039	Level 3		
12,900.00	9,460.00	9,431.36	9,430.50	50.13	202.71	-90.000	-2,145.77	426.41	337.89	96.79	241.11	1.401	Level 3		
13,000.00	9,460.00	9,431.36	9,430.50	51.64	202.71	-90.000	-2,145.77	426.41	428.91	189.70	239.21	1.793	Level 3		
13,100.00	9,460.00	9,431.36	9,430.50	53.15	202.71	-90.000	-2,145.77	426.41	523.22	285.22	238.00	2.198			
13,200.00	9,460.00	9,431.36	9,430.50	54.68	202.71	-90.000	-2,145.77	426.41	619.31	382.13	237.18	2.611			
13,300.00	9,460.00	9,431.36	9,430.50	56.21	202.71	-90.000	-2,145.77	426.41	716.48	479.87	236.61	3.028			
13,400.00	9,460.00	9,431.36	9,430.50	57.76	202.71	-90.000	-2,145.77	426.41	814.33	578.15	236.19	3.448			
13,500.00	9,460.00	9,431.36	9,430.50	59.31	202.71	-90.000	-2,145.77	426.41	912.65	676.78	235.87	3.869			

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



Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (02) LTK 24-25 FED COM 205H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	30.5' RKB @ 3840.50usft
Reference Site:	LTK Pad	MD Reference:	30.5' RKB @ 3840.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) LTK 24-25 FED COM 205H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	205H	Database:	EDM
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: LTK Pad Offsets - (W04) FRENCH 9004 JV-P 003 - 31206 - (Inc Only)													Offset Site Error:	0.00 usft
Survey Program: 410-INC-ONLY													Offset Well Error:	0.00 usft
Measured Reference Depth (usft)	Vertical Depth (usft)	Measured Offset Depth (usft)	Vertical Depth (usft)	Semi Major Axis Reference Offset (usft)		Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft) +E/-W (usft)		Distance Between Centres (usft) Between Ellipses (usft)		Minimum Separation (usft)	Separation Factor	Warning	
0.00	0.00	0.00	0.00	0.00	0.00	153.204	-824.35	416.33	923.79	923.79				
100.00	100.00	77.50	77.50	0.79	2.31	153.204	-824.35	416.33	923.52	920.42	3.10	298.034		
200.00	200.00	177.50	177.50	1.45	5.30	153.204	-824.35	416.33	923.52	916.78	6.74	136.945		
300.00	300.00	277.50	277.50	1.89	8.28	153.204	-824.35	416.33	923.52	913.35	10.17	90.773		
400.00	400.00	377.50	377.50	2.25	11.27	153.204	-824.35	416.33	923.52	910.00	13.52	68.305		
500.00	500.00	477.51	477.50	2.57	13.87	153.204	-824.35	416.33	923.52	907.08	16.44	56.166		
600.00	600.00	577.51	577.50	2.85	16.30	153.204	-824.35	416.33	923.52	904.37	19.15	48.223		
663.27	663.27	640.77	640.75	3.01	17.84	153.183	-823.60	416.33	922.85	902.00	20.85	44.262		
700.00	700.00	676.67	676.65	3.11	18.71	153.184	-823.62	416.33	922.86	901.05	21.82	42.303		
800.00	800.00	774.39	774.37	3.35	21.08	153.190	-823.85	416.33	923.08	898.65	24.43	37.789		
900.00	900.00	877.57	877.50	3.58	23.57	153.204	-824.35	416.33	923.52	896.38	27.14	34.025		
1,000.00	1,000.00	977.57	977.50	3.79	25.77	153.204	-824.35	416.33	923.52	893.96	29.56	31.244		
1,100.00	1,100.00	1,077.57	1,077.50	3.99	27.97	153.204	-824.35	416.33	923.52	891.56	31.96	28.892		
1,140.84	1,140.84	1,118.19	1,118.12	4.07	28.86	153.175	-823.31	416.33	922.59	889.65	32.94	28.009		
1,200.00	1,200.00	1,175.64	1,175.56	4.19	30.13	153.177	-823.38	416.33	922.66	888.34	34.32	26.884		
1,300.00	1,300.00	1,272.75	1,272.67	4.38	32.27	153.188	-823.78	416.33	923.02	886.38	36.65	25.187		
1,400.00	1,400.00	1,377.61	1,377.50	4.56	34.53	153.204	-824.35	416.33	923.52	884.43	39.09	23.623		
1,500.00	1,500.00	1,477.61	1,477.50	4.74	36.57	153.204	-824.35	416.33	923.52	882.21	41.31	22.357		
1,600.00	1,600.00	1,577.61	1,577.50	4.91	38.61	153.204	-824.35	416.33	923.52	880.00	43.52	21.222		
1,640.49	1,640.49	1,617.85	1,617.74	4.98	39.42	153.189	-823.81	416.33	923.04	878.63	44.40	20.787		
1,700.00	1,700.00	1,676.52	1,676.40	5.08	40.62	153.190	-823.86	416.33	923.08	877.38	45.70	20.199		
1,800.00	1,800.00	1,775.10	1,774.99	5.24	42.63	153.197	-824.08	416.33	923.28	875.41	47.87	19.287		
1,900.00	1,900.00	1,877.63	1,877.50	5.40	44.68	153.204	-824.35	416.33	923.52	873.44	50.08	18.440		
2,000.00	2,000.00	1,977.63	1,977.50	5.56	46.58	153.204	-824.35	416.33	923.52	871.38	52.14	17.711		
2,100.00	2,099.98	2,077.53	2,077.40	5.80	48.49	140.923	-823.87	416.33	924.44	870.19	54.25	17.040		
2,200.00	2,199.84	2,175.80	2,175.67	6.05	50.36	141.074	-823.97	416.33	928.60	872.27	56.33	16.484		
2,300.00	2,299.45	2,273.79	2,273.66	6.31	52.23	141.323	-824.26	416.33	935.67	877.25	58.42	16.016		
2,400.00	2,398.70	2,376.36	2,376.20	6.59	53.91	141.679	-824.35	416.33	945.32	884.97	60.34	15.665		
2,500.00	2,497.47	2,475.13	2,474.97	6.89	55.51	142.104	-824.35	416.33	957.68	895.48	62.20	15.397		
2,534.58	2,531.48	2,509.14	2,508.98	6.95	56.16	142.269	-824.35	416.33	962.62	899.72	62.90	15.305		
2,600.00	2,595.77	2,573.43	2,573.27	7.09	57.38	142.704	-824.35	416.33	972.31	908.07	64.24	15.135		
2,700.00	2,694.03	2,671.69	2,671.53	7.36	59.25	143.352	-824.35	416.33	987.22	920.87	66.35	14.878		
10,300.00	9,460.00	9,438.61	9,437.50	30.41	200.25	-90.000	-824.35	416.33	991.92	762.89	229.02	4.331		
10,400.00	9,460.00	9,438.61	9,437.50	30.47	200.25	-90.000	-824.35	416.33	893.30	664.44	228.86	3.903		
10,500.00	9,460.00	9,438.61	9,437.50	30.53	200.25	-90.000	-824.35	416.33	795.02	566.36	228.66	3.477		
10,600.00	9,460.00	9,438.61	9,437.50	30.61	200.25	-90.000	-824.35	416.33	697.24	468.84	228.40	3.053		
10,700.00	9,460.00	9,438.61	9,437.50	30.70	200.25	-90.000	-824.35	416.33	600.19	372.14	228.06	2.632		
10,800.00	9,460.00	9,438.61	9,437.50	30.81	200.25	-90.000	-824.35	416.33	504.29	276.72	227.58	2.216		
10,900.00	9,460.00	9,438.61	9,437.50	30.95	200.25	-90.000	-824.35	416.33	410.36	183.47	226.89	1.809 Level 3		
11,000.00	9,460.00	9,438.61	9,437.50	31.13	200.25	-90.000	-824.35	416.33	320.12	94.27	225.85	1.417 Level 3		
11,100.00	9,460.00	9,438.61	9,437.50	31.34	200.25	-90.000	-824.35	416.33	237.83	13.41	224.42	1.060 Level 3		
11,200.00	9,460.00	9,438.61	9,437.50	31.62	200.25	-90.000	-824.35	416.33	175.06	-48.81	223.86	0.782 Level 3		
11,279.58	9,460.00	9,438.61	9,437.50	31.89	200.25	-90.000	-824.35	416.33	155.92	-71.08	227.00	0.687 Level 3, CC, ES, SF		
11,300.00	9,460.00	9,438.61	9,437.50	31.96	200.25	-90.000	-824.35	416.33	157.25	-70.96	228.21	0.689 Level 3		
11,400.00	9,460.00	9,438.61	9,437.50	32.41	200.25	-90.000	-824.35	416.33	197.00	-35.28	232.28	0.848 Level 3		
11,500.00	9,460.00	9,438.61	9,437.50	32.97	200.25	-90.000	-824.35	416.33	269.99	36.90	233.08	1.158 Level 3		
11,600.00	9,460.00	9,438.61	9,437.50	33.66	200.25	-90.000	-824.35	416.33	356.34	123.40	232.94	1.530 Level 3		
11,700.00	9,460.00	9,438.61	9,437.50	34.48	200.25	-90.000	-824.35	416.33	448.40	215.74	232.66	1.927 Level 3		
11,800.00	9,460.00	9,438.61	9,437.50	35.43	200.25	-90.000	-824.35	416.33	543.27	310.87	232.40	2.338		
11,900.00	9,460.00	9,438.61	9,437.50	36.50	200.25	-90.000	-824.35	416.33	639.71	407.51	232.19	2.755		
12,000.00	9,460.00	9,438.61	9,437.50	37.65	200.25	-90.000	-824.35	416.33	737.09	505.07	232.03	3.177		
12,100.00	9,460.00	9,438.61	9,437.50	38.88	200.25	-90.000	-824.35	416.33	835.10	603.20	231.90	3.601		

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



Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (02) LTK 24-25 FED COM 205H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	30.5' RKB @ 3840.50usft
Reference Site:	LTK Pad	MD Reference:	30.5' RKB @ 3840.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) LTK 24-25 FED COM 205H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	205H	Database:	EDM
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: LTK Pad Offsets - (W04) FRENCH 9004 JV-P 003 - 31206 - (Inc Only)													Offset Site Error:	0.00 usft
Survey Program: 410-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Offset Wellbore Centre		Rule Assigned: Distance				Warning	
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		
12,200.00	9,460.00	9,438.61	9,437.50	40.17	200.25	-90.000	-824.35	416.33	933.53	701.74	231.79	4.027		



Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (02) LTK 24-25 FED COM 205H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	30.5' RKB @ 3840.50usft
Reference Site:	LTK Pad	MD Reference:	30.5' RKB @ 3840.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) LTK 24-25 FED COM 205H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	205H	Database:	EDM
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: LTK Pad Offsets - (W05) FRENCH 9004 JV-P 004 - 31235 - (Inc Only)													Offset Site Error:	0.00 usft		
Survey Program: 428-INC-ONLY													Rule Assigned:		Offset Well Error:	0.00 usft
Measured Reference Depth (usft)	Vertical Depth (usft)	Measured Offset Depth (usft)	Vertical Offset Depth (usft)	Semi Major Axis Reference Offset (usft)		Highside Toolface (°)	Offset Wellbore Centre +N/-S (+usft) +E/-W (-usft)		Distance Between Centres (usft) Between Ellipses (usft)		Minimum Separation (usft)	Separation Factor	Warning			
0.00	0.00	0.00	0.00	0.00	0.00	39.430	496.89	408.60	643.38							
100.00	100.00	90.50	90.50	0.79	2.70	39.430	496.89	408.60	643.31	639.83	3.49	184.389				
200.00	200.00	190.50	190.50	1.45	5.69	39.430	496.89	408.60	643.31	636.18	7.14	90.146				
300.00	300.00	290.50	290.50	1.89	8.68	39.430	496.89	408.60	643.31	632.75	10.57	60.868				
400.00	400.00	390.50	390.50	2.25	11.66	39.430	496.89	408.60	643.31	629.40	13.92	46.222				
500.00	500.00	490.51	490.50	2.57	14.23	39.430	496.89	408.60	643.31	626.52	16.80	38.304				
600.00	600.00	590.51	590.50	2.85	16.54	39.430	496.89	408.60	643.31	623.93	19.39	33.186				
700.00	700.00	690.71	690.70	3.11	18.85	39.401	497.41	408.60	643.72	621.76	21.96	29.317				
800.00	800.00	791.63	791.62	3.35	21.18	39.409	497.28	408.60	643.61	619.09	24.53	26.241				
900.00	900.00	892.55	892.54	3.58	23.51	39.427	496.96	408.60	643.37	616.29	27.08	23.755				
950.39	950.39	940.92	940.89	3.68	24.43	39.430	496.89	408.60	643.31	615.20	28.12	22.881				
1,000.00	1,000.00	990.52	990.50	3.79	25.29	39.430	496.89	408.60	643.31	614.24	29.08	22.125				
1,100.00	1,100.00	1,090.52	1,090.50	3.99	27.01	39.430	496.89	408.60	643.31	612.31	31.00	20.749				
1,200.00	1,200.00	1,191.61	1,191.59	4.19	28.75	39.413	497.20	408.60	643.55	610.61	32.94	19.536				
1,300.00	1,300.00	1,290.54	1,290.50	4.38	30.47	39.430	496.89	408.60	643.31	608.47	34.85	18.461				
1,400.00	1,400.00	1,390.54	1,390.50	4.56	32.44	39.430	496.89	408.60	643.31	606.31	37.00	17.386				
1,500.00	1,500.00	1,490.54	1,490.50	4.74	34.41	39.430	496.89	408.60	643.31	604.16	39.15	16.432				
1,600.00	1,600.00	1,591.17	1,591.13	4.91	36.39	39.404	497.37	408.60	643.68	602.37	41.31	15.583				
1,700.00	1,700.00	1,692.10	1,692.06	5.08	38.38	39.416	497.14	408.60	643.51	600.05	43.46	14.806				
1,800.00	1,800.00	1,790.55	1,790.50	5.24	40.31	39.430	496.89	408.60	643.31	597.77	45.55	14.124				
1,900.00	1,900.00	1,890.55	1,890.50	5.40	42.22	39.430	496.89	408.60	643.31	595.70	47.62	13.510				
2,000.00	2,000.00	1,990.55	1,990.50	5.56	44.13	39.430	496.89	408.60	643.31	593.63	49.68	12.948				
2,100.00	2,099.98	2,090.97	2,090.92	5.80	46.04	27.185	497.11	408.60	641.93	590.10	51.83	12.386				
2,200.00	2,199.84	2,191.27	2,191.22	6.05	47.96	27.453	496.98	408.60	637.17	583.21	53.97	11.806				
2,300.00	2,299.45	2,290.01	2,289.95	6.31	49.93	27.893	496.89	408.60	629.39	573.21	56.18	11.203				
2,400.00	2,398.70	2,389.26	2,389.20	6.59	51.98	28.523	496.89	408.60	618.63	560.16	58.47	10.580				
2,500.00	2,497.47	2,488.26	2,488.20	6.89	54.01	29.335	497.39	408.60	605.27	544.50	60.77	9.960				
2,534.58	2,531.48	2,522.56	2,522.50	6.95	54.72	29.683	497.36	408.60	599.82	538.29	61.53	9.749				
2,600.00	2,595.77	2,587.38	2,587.32	7.09	56.06	30.278	497.24	408.60	589.18	526.20	62.98	9.355				
2,700.00	2,694.03	2,686.39	2,686.33	7.36	58.09	31.239	496.91	408.60	572.92	507.66	65.26	8.779				
2,800.00	2,792.30	2,782.93	2,782.80	7.64	60.19	32.207	496.89	408.60	557.05	489.44	67.61	8.240				
2,900.00	2,890.56	2,881.19	2,881.06	7.95	62.34	33.248	496.89	408.60	541.36	471.35	70.01	7.733				
3,000.00	2,988.82	2,980.39	2,980.23	8.27	64.50	34.240	498.43	408.60	526.92	454.48	72.44	7.274				
3,100.00	3,087.09	3,080.52	3,080.35	8.60	66.68	35.468	497.91	408.60	511.25	436.36	74.90	6.826				
3,200.00	3,185.35	3,180.48	3,180.29	8.94	68.86	36.819	496.85	408.60	495.48	418.13	77.35	6.406				
3,300.00	3,283.62	3,274.35	3,274.12	9.30	70.83	38.072	496.89	408.60	480.66	401.06	79.60	6.038				
3,400.00	3,381.88	3,372.61	3,372.38	9.66	72.89	39.468	496.89	408.60	466.09	384.15	81.94	5.688				
3,500.00	3,480.14	3,471.20	3,470.96	10.03	74.96	40.878	497.69	408.60	452.30	368.01	84.29	5.366				
3,600.00	3,578.41	3,570.11	3,569.87	10.41	77.03	42.489	497.44	408.60	438.19	351.56	86.64	5.058				
3,700.00	3,676.67	3,668.94	3,668.69	10.79	79.10	44.232	496.95	408.60	424.30	335.33	88.97	4.769				
3,800.00	3,774.94	3,766.95	3,766.65	11.19	80.96	46.005	497.04	408.60	411.14	320.05	91.09	4.514				
3,900.00	3,873.20	3,864.01	3,863.70	11.58	82.98	47.901	496.89	408.60	398.28	304.91	93.37	4.266				
4,000.00	3,971.46	3,962.27	3,961.96	11.98	85.08	49.924	496.89	408.60	385.96	290.25	95.71	4.033				
4,100.00	4,069.73	4,060.70	4,060.38	12.39	87.19	51.933	497.95	408.60	374.63	276.58	98.05	3.821				
4,200.00	4,167.99	4,159.48	4,159.16	12.80	89.30	54.262	497.68	408.60	363.25	262.87	100.37	3.619				
4,300.00	4,266.26	4,258.14	4,257.81	13.21	91.41	56.783	497.07	408.60	352.37	249.69	102.68	3.432				
4,400.00	4,364.52	4,355.40	4,355.02	13.63	93.24	59.347	496.89	408.60	342.37	237.67	104.70	3.270				
4,500.00	4,462.78	4,454.18	4,453.79	14.05	95.03	62.023	497.18	408.60	333.25	226.59	106.66	3.124				
4,600.00	4,561.05	4,551.95	4,551.55	14.47	96.84	64.907	496.89	408.60	324.76	216.14	108.63	2.990				
4,700.00	4,659.31	4,650.21	4,649.81	14.90	98.69	67.898	496.89	408.60	317.23	206.59	110.63	2.867				
4,800.00	4,757.58	4,748.49	4,748.08	15.32	100.54	70.926	497.42	408.60	310.68	198.04	112.64	2.758				
4,900.00	4,855.84	4,846.79	4,846.38	15.75	102.39	74.190	497.31	408.60	305.01	190.38	114.64	2.661				

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



Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (02) LTK 24-25 FED COM 205H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	30.5' RKB @ 3840.50usft
Reference Site:	LTK Pad	MD Reference:	30.5' RKB @ 3840.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) LTK 24-25 FED COM 205H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	205H	Database:	EDM
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: LTK Pad Offsets - (W05) FRENCH 9004 JV-P 004 - 31235 - (Inc Only)													Offset Site Error:	0.00 usft
Survey Program: 428-INC-ONLY													Offset Well Error:	0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning	
		Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)				
5,000.00	4,954.10	4,945.02	4,944.62	16.18	104.24	77.592	497.03	408.60	300.41	183.76	116.65	2.575		
5,100.00	5,052.37	5,043.29	5,042.87	16.61	106.08	81.057	496.89	408.60	296.91	178.25	118.66	2.502		
5,200.00	5,150.63	5,141.55	5,141.13	17.05	107.91	84.562	496.89	408.60	294.55	173.84	120.70	2.440		
5,300.00	5,248.90	5,239.79	5,239.37	17.48	109.74	88.012	497.40	408.60	293.25	170.47	122.78	2.388		
5,352.99	5,300.96	5,291.80	5,291.38	17.72	110.71	89.907	497.36	408.60	293.08	169.18	123.89	2.366		
5,400.00	5,347.16	5,337.92	5,337.50	17.92	111.57	91.595	497.27	408.60	293.21	168.32	124.89	2.348		
5,500.00	5,445.42	5,435.99	5,435.57	18.36	113.40	95.195	496.96	408.60	294.42	167.37	127.05	2.317		
5,600.00	5,543.69	5,534.63	5,534.19	18.80	115.36	98.729	496.89	408.60	296.73	167.35	129.39	2.293		
5,700.00	5,641.95	5,632.89	5,632.45	19.24	117.34	102.173	496.89	408.60	300.16	168.37	131.78	2.278		
5,800.00	5,740.22	5,731.08	5,730.64	19.68	119.31	105.440	497.43	408.60	304.42	170.21	134.22	2.268		
5,900.00	5,838.48	5,829.06	5,828.62	20.13	121.28	108.708	497.29	408.60	310.03	173.34	136.69	2.268		
6,000.00	5,936.74	5,926.98	5,926.54	20.57	123.25	111.877	496.99	408.60	316.74	177.54	139.20	2.275		
6,100.00	6,035.01	6,025.99	6,025.51	21.02	125.24	114.912	496.89	408.60	324.27	182.52	141.75	2.288		
6,200.00	6,133.27	6,124.25	6,123.77	21.46	127.21	117.772	496.89	408.60	332.62	188.32	144.30	2.305		
6,300.00	6,231.54	6,222.34	6,221.85	21.91	129.18	120.353	497.98	408.60	341.04	194.18	146.85	2.322		
6,400.00	6,329.80	6,319.75	6,319.25	22.35	131.13	122.942	497.73	408.60	351.07	201.66	149.41	2.350		
6,500.00	6,428.06	6,417.05	6,416.55	22.80	133.08	125.419	497.16	408.60	362.06	210.08	151.97	2.382		
6,600.00	6,526.33	6,517.35	6,516.83	23.25	135.04	127.788	496.89	408.60	373.45	218.89	154.56	2.416		
6,700.00	6,624.59	6,615.62	6,615.09	23.70	136.93	129.947	496.89	408.60	385.22	228.15	157.07	2.453		
6,800.00	6,722.86	6,713.45	6,712.92	24.15	138.81	131.936	497.29	408.60	397.18	237.63	159.55	2.489		
6,900.00	6,821.12	6,810.97	6,810.44	24.60	140.69	133.853	497.06	408.60	410.12	248.10	162.03	2.531		
7,000.00	6,919.38	6,910.45	6,909.88	25.05	142.71	135.682	496.89	408.60	423.45	258.79	164.66	2.572		
7,100.00	7,017.65	7,008.71	7,008.15	25.50	144.79	137.368	496.89	408.60	437.02	269.69	167.33	2.612		
7,200.00	7,115.91	7,106.80	7,106.23	25.96	146.86	138.886	497.95	408.60	450.02	280.05	169.97	2.648		
7,300.00	7,214.18	7,203.62	7,203.05	26.41	148.91	140.372	497.73	408.60	464.46	291.87	172.59	2.691		
7,400.00	7,312.44	7,300.33	7,299.74	26.86	150.95	141.785	497.18	408.60	479.50	304.30	175.20	2.737		
7,500.00	7,410.70	7,401.84	7,401.20	27.31	153.13	143.164	496.89	408.60	494.56	316.59	177.97	2.779		
7,600.00	7,508.97	7,500.10	7,499.47	27.77	155.27	144.407	496.89	408.60	509.62	328.96	180.67	2.821		
7,700.00	7,607.23	7,597.91	7,597.27	28.22	157.39	145.533	497.91	408.60	523.96	340.62	183.34	2.858		
7,800.00	7,705.50	7,694.38	7,693.73	28.68	159.49	146.633	497.65	408.60	539.69	353.72	185.97	2.902		
7,900.00	7,803.76	7,790.73	7,790.07	29.13	161.58	147.682	497.05	408.60	555.94	367.35	188.59	2.948		
8,000.00	7,902.02	7,893.25	7,892.52	29.59	163.92	148.718	496.89	408.60	571.92	380.41	191.51	2.986		
8,100.00	8,000.29	7,991.52	7,990.79	30.04	166.19	149.653	496.89	408.60	587.93	393.62	194.31	3.026		
8,200.00	8,098.55	8,088.47	8,087.72	30.50	168.42	150.493	498.10	408.60	602.93	405.87	197.06	3.060		
8,258.01	8,155.56	8,143.93	8,143.18	30.75	169.70	150.980	497.90	408.60	612.55	413.93	198.62	3.084		
8,300.00	8,196.87	8,184.09	8,183.34	30.94	170.63	151.378	497.66	408.60	619.37	419.62	199.75	3.101		
8,400.00	8,295.68	8,287.04	8,286.18	31.39	173.06	152.220	496.89	408.60	633.70	430.98	202.72	3.126		
8,500.00	8,394.96	8,386.32	8,385.46	31.82	175.73	152.812	496.89	408.60	644.30	438.47	205.83	3.130		
8,600.00	8,494.59	8,485.95	8,485.09	32.22	178.40	153.219	496.89	408.60	651.84	442.93	208.91	3.120		
8,700.00	8,594.46	8,583.10	8,582.21	32.57	181.01	153.422	498.26	408.60	654.97	443.14	211.83	3.092		
8,792.59	8,687.04	8,672.54	8,671.63	32.74	183.41	153.828	497.65	408.60	656.92	442.56	214.37	3.064		
8,800.00	8,694.45	8,679.69	8,678.79	32.74	183.60	155.829	497.58	408.60	656.99	442.43	214.56	3.062		
8,900.00	8,794.45	8,784.94	8,783.78	32.80	186.46	156.834	497.34	408.60	657.19	439.67	217.52	3.021		
8,992.59	8,887.04	8,878.76	8,877.54	32.83	188.91	157.844	496.89	408.60	657.63	437.62	220.01	2.989		
9,000.00	8,894.45	8,886.16	8,884.95	32.83	189.09	-13.788	496.89	408.60	657.58	437.39	220.19	2.986		
9,050.00	8,944.35	8,936.07	8,934.85	32.72	190.34	-13.913	496.89	408.60	654.84	433.51	221.33	2.959		
9,100.00	8,993.82	8,983.66	8,982.42	32.56	191.53	-14.255	498.05	408.60	646.76	424.43	222.33	2.909		
9,150.00	9,042.48	9,028.84	9,027.59	32.37	192.66	-14.765	497.79	408.60	635.94	412.72	223.22	2.849		
9,200.00	9,089.95	9,073.12	9,071.85	32.18	193.76	-15.496	497.27	408.60	621.32	397.27	224.05	2.773		
9,250.00	9,135.88	9,127.72	9,126.38	31.97	195.13	-16.648	496.89	408.60	602.56	377.33	225.24	2.675		
9,300.00	9,179.91	9,171.76	9,170.41	31.76	196.24	-18.090	496.89	408.60	579.76	353.70	226.05	2.565		
9,350.00	9,221.72	9,213.56	9,212.22	31.56	197.30	-19.990	496.89	408.60	553.43	326.64	226.79	2.440		

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



Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (02) LTK 24-25 FED COM 205H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	30.5' RKB @ 3840.50usft
Reference Site:	LTK Pad	MD Reference:	30.5' RKB @ 3840.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) LTK 24-25 FED COM 205H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	205H	Database:	EDM
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: LTK Pad Offsets - (W05) FRENCH 9004 JV-P 004 - 31235 - (Inc Only)													Offset Site Error:	0.00 usft
Survey Program: 428-INC-ONLY													Offset Well Error:	0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Offset		Semi Major Axis			Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
		Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Reference (usft)		Offset (usft)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)			
9,400.00	9,260.97	9,252.82	9,251.47	31.35	198.28	-22.480	496.89	408.60	523.83	296.39	227.44	2.303		
9,450.00	9,297.39	9,289.23	9,287.89	31.16	199.20	-25.747	496.89	408.60	491.26	263.29	227.97	2.155		
9,500.00	9,330.68	9,322.52	9,321.18	30.98	200.04	-30.036	496.89	408.60	456.08	227.69	228.39	1.997	Level 3	
9,550.00	9,360.59	9,352.03	9,350.66	30.82	200.78	-35.706	498.43	408.60	417.28	188.65	228.63	1.825	Level 3	
9,600.00	9,386.90	9,377.90	9,376.53	30.67	201.44	-42.837	498.38	408.60	378.27	149.58	228.69	1.654	Level 3	
9,650.00	9,409.40	9,400.16	9,398.79	30.54	202.00	-51.613	498.31	408.60	338.22	109.69	228.53	1.480	Level 3	
9,700.00	9,427.93	9,418.61	9,417.24	30.44	202.46	-61.611	498.23	408.60	297.92	69.87	228.06	1.306	Level 3	
9,750.00	9,442.35	9,433.09	9,431.72	30.36	202.83	-71.733	498.16	408.60	258.51	31.34	227.17	1.138	Level 3	
9,800.00	9,452.53	9,443.47	9,442.09	30.30	203.09	-80.529	498.10	408.60	221.63	-4.12	225.75	0.982	Level 3	
9,850.00	9,458.42	9,449.62	9,448.24	30.28	203.24	-86.850	498.06	408.60	189.83	-33.95	223.77	0.848	Level 3	
9,892.59	9,460.00	9,451.47	9,450.10	30.28	203.29	-89.853	498.05	408.60	169.50	-52.61	222.11	0.763	Level 3	
9,900.00	9,460.00	9,451.52	9,450.14	30.28	203.29	-89.871	498.05	408.60	166.82	-55.08	221.91	0.752	Level 3	
9,957.16	9,460.00	9,451.90	9,450.52	30.29	203.30	-90.008	498.05	408.60	156.72	-65.59	222.31	0.705	Level 3, CC, ES, SF	
10,000.00	9,460.00	9,452.18	9,450.80	30.30	203.31	-90.112	498.04	408.60	162.47	-62.30	224.77	0.723	Level 3	
10,100.00	9,460.00	9,452.85	9,451.47	30.33	203.32	-90.356	498.04	408.60	212.04	-18.28	230.32	0.921	Level 3	
10,200.00	9,460.00	9,453.52	9,452.15	30.37	203.34	-90.602	498.03	408.60	289.01	56.42	232.59	1.243	Level 3	
10,300.00	9,460.00	9,454.21	9,452.83	30.41	203.36	-90.852	498.03	408.60	376.95	143.55	233.40	1.615	Level 3	
10,400.00	9,460.00	9,454.90	9,453.52	30.47	203.37	-91.104	498.03	408.60	469.74	236.03	233.71	2.010		
10,500.00	9,460.00	9,455.60	9,454.22	30.53	203.39	-91.359	498.02	408.60	564.99	331.16	233.84	2.416		
10,600.00	9,460.00	9,456.30	9,454.92	30.61	203.41	-91.617	498.02	408.60	661.65	427.76	233.89	2.829		
10,700.00	9,460.00	9,457.02	9,455.64	30.70	203.43	-91.878	498.01	408.60	759.17	525.26	233.91	3.246		
10,800.00	9,460.00	9,457.74	9,456.36	30.81	203.45	-92.142	498.01	408.60	857.26	623.34	233.92	3.665		
10,900.00	9,460.00	9,458.47	9,457.09	30.95	203.46	-92.409	498.00	408.60	955.75	721.82	233.93	4.086		

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



Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (02) LTK 24-25 FED COM 205H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	30.5' RKB @ 3840.50usft
Reference Site:	LTK Pad	MD Reference:	30.5' RKB @ 3840.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) LTK 24-25 FED COM 205H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	205H	Database:	EDM
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: LTK Pad Offsets - (W06) FRENCH C 9004 JV-P 001 - 31447 - (Inc Only)													Offset Site Error:	0.00 usft
Survey Program: 479-INC-ONLY													Offset Well Error:	0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning	
		Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)				
0.00	0.00	4.50	4.50	0.00	0.14	140.010	-494.04	414.40	644.83	644.83				
100.00	100.00	104.50	104.50	0.79	3.36	140.010	-494.04	414.40	644.83	640.68	4.14	155.635		
200.00	200.00	204.50	204.50	1.45	6.57	140.010	-494.04	414.40	644.83	636.81	8.02	80.436		
300.00	300.00	304.50	304.50	1.89	9.78	140.010	-494.04	414.40	644.83	633.15	11.68	55.230		
400.00	400.00	404.50	404.50	2.25	13.00	140.010	-494.04	414.40	644.83	629.58	15.25	42.283		
500.00	500.00	504.50	504.50	2.57	15.92	140.010	-494.04	414.40	644.83	626.34	18.49	34.883		
600.00	600.00	604.50	604.50	2.85	17.99	140.010	-494.04	414.40	644.83	623.99	20.84	30.947		
700.00	700.00	704.50	704.50	3.11	20.06	140.010	-494.04	414.40	644.83	621.66	23.16	27.838		
739.63	739.63	744.02	744.02	3.20	20.87	139.996	-493.78	414.40	644.63	620.55	24.08	26.774		
800.00	800.00	804.12	804.12	3.35	22.12	139.997	-493.81	414.40	644.65	619.19	25.47	25.315		
900.00	900.00	903.67	903.67	3.58	24.18	140.004	-493.93	414.40	644.75	616.99	27.75	23.233		
1,000.00	1,000.00	1,004.51	1,004.50	3.79	26.31	140.010	-494.04	414.40	644.83	614.73	30.10	21.422		
1,100.00	1,100.00	1,104.51	1,104.50	3.99	28.49	140.010	-494.04	414.40	644.83	612.35	32.48	19.852		
1,200.00	1,200.00	1,204.51	1,204.50	4.19	30.66	140.010	-494.04	414.40	644.83	609.97	34.85	18.501		
1,240.76	1,240.76	1,245.19	1,245.18	4.27	31.55	139.994	-493.75	414.40	644.61	608.79	35.82	17.998		
1,300.00	1,300.00	1,304.18	1,304.18	4.38	32.83	139.995	-493.78	414.40	644.63	607.41	37.21	17.323		
1,400.00	1,400.00	1,403.78	1,403.77	4.56	35.00	140.001	-493.88	414.40	644.71	605.15	39.56	16.297		
1,500.00	1,500.00	1,504.54	1,504.50	4.74	37.16	140.010	-494.04	414.40	644.83	602.93	41.90	15.390		
1,600.00	1,600.00	1,604.54	1,604.50	4.91	39.13	140.010	-494.04	414.40	644.83	600.79	44.04	14.642		
1,700.00	1,700.00	1,704.54	1,704.50	5.08	41.10	140.010	-494.04	414.40	644.83	598.65	46.18	13.964		
1,739.40	1,739.40	1,743.51	1,743.46	5.14	41.87	139.953	-493.05	414.40	644.07	597.06	47.01	13.701 CC		
1,800.00	1,800.00	1,803.01	1,802.96	5.24	43.04	139.960	-493.16	414.40	644.16	595.88	48.28	13.342		
1,900.00	1,900.00	1,901.20	1,901.14	5.40	44.97	139.988	-493.65	414.40	644.54	594.17	50.37	12.796		
2,000.00	2,000.00	2,004.61	2,004.50	5.56	47.05	140.010	-494.04	414.40	644.83	592.22	52.61	12.257		
2,100.00	2,099.98	2,104.59	2,104.48	5.80	49.10	127.797	-494.04	414.40	645.90	591.05	54.85	11.776 ES		
2,200.00	2,199.84	2,204.36	2,204.23	6.05	51.15	128.050	-492.96	414.40	648.28	591.20	57.08	11.357		
2,300.00	2,299.45	2,302.23	2,302.11	6.31	53.16	128.563	-493.15	414.40	653.85	594.56	59.29	11.028		
2,400.00	2,398.70	2,399.68	2,399.55	6.59	55.16	129.272	-493.67	414.40	661.96	600.46	61.50	10.764		
2,500.00	2,497.47	2,502.14	2,501.97	6.89	57.16	130.195	-494.04	414.40	672.32	608.59	63.73	10.550		
2,534.58	2,531.48	2,536.15	2,535.98	6.95	57.80	130.531	-494.04	414.40	676.38	611.97	64.41	10.501		
2,600.00	2,595.77	2,600.14	2,599.97	7.09	58.99	131.270	-493.58	414.40	684.04	618.32	65.72	10.409		
2,700.00	2,694.03	2,695.87	2,695.69	7.36	60.77	132.389	-493.84	414.40	696.75	629.02	67.74	10.286		
2,800.00	2,792.30	2,797.02	2,796.80	7.64	62.92	133.526	-494.04	414.40	709.68	639.53	70.14	10.118		
2,900.00	2,890.56	2,895.29	2,895.06	7.95	65.14	134.584	-494.04	414.40	722.69	650.06	72.63	9.950		
3,000.00	2,988.82	2,993.06	2,992.81	8.27	67.34	135.532	-492.42	414.40	734.57	659.45	75.12	9.779		
3,100.00	3,087.09	3,088.11	3,087.85	8.60	69.49	136.500	-492.74	414.40	748.32	670.76	77.56	9.648		
3,200.00	3,185.35	3,183.01	3,182.74	8.94	71.63	137.451	-493.53	414.40	762.71	682.70	80.01	9.533		
3,300.00	3,283.62	3,288.46	3,288.12	9.30	73.86	138.454	-494.04	414.40	777.01	694.45	82.57	9.411		
3,400.00	3,381.88	3,386.73	3,386.38	9.66	75.84	139.339	-494.04	414.40	791.10	706.22	84.88	9.320		
3,500.00	3,480.14	3,484.73	3,484.38	10.03	77.81	140.155	-492.96	414.40	804.40	717.20	87.20	9.225		
3,600.00	3,578.41	3,580.53	3,580.17	10.41	79.74	140.967	-493.15	414.40	819.01	729.53	89.48	9.153		
3,700.00	3,676.67	3,676.23	3,675.86	10.79	81.67	141.760	-493.67	414.40	834.09	742.32	91.77	9.089		
3,800.00	3,774.94	3,779.83	3,779.44	11.19	83.64	142.582	-494.04	414.40	849.16	755.04	94.12	9.022		
3,900.00	3,873.20	3,878.09	3,877.70	11.58	85.43	143.325	-494.04	414.40	864.06	767.78	96.28	8.975		
4,000.00	3,971.46	3,975.31	3,974.92	11.98	87.19	144.026	-493.65	414.40	878.74	780.32	98.42	8.928		
4,100.00	4,069.73	4,071.77	4,071.37	12.39	88.94	144.713	-493.88	414.40	894.13	793.57	100.56	8.891		
4,200.00	4,167.99	4,172.91	4,172.49	12.80	90.89	145.408	-494.04	414.40	909.57	806.66	102.91	8.839		
4,300.00	4,266.26	4,271.17	4,270.76	13.21	92.85	146.057	-494.04	414.40	924.98	819.72	105.27	8.787		
4,400.00	4,364.52	4,369.10	4,368.68	13.63	94.80	146.666	-493.25	414.40	939.77	832.15	107.62	8.732		
4,500.00	4,462.78	4,465.05	4,464.62	14.05	96.72	147.263	-493.41	414.40	955.56	845.62	109.94	8.691		
4,600.00	4,561.05	4,560.90	4,560.48	14.47	98.63	147.846	-493.82	414.40	971.69	859.43	112.26	8.655		
4,700.00	4,659.31	4,664.27	4,663.81	14.90	100.69	148.450	-494.04	414.40	987.73	872.98	114.75	8.608 SF		

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



Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (02) LTK 24-25 FED COM 205H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	30.5' RKB @ 3840.50usft
Reference Site:	LTK Pad	MD Reference:	30.5' RKB @ 3840.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) LTK 24-25 FED COM 205H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	205H	Database:	EDM
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum



Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (02) LTK 24-25 FED COM 205H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	30.5' RKB @ 3840.50usft
Reference Site:	LTK Pad	MD Reference:	30.5' RKB @ 3840.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) LTK 24-25 FED COM 205H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	205H	Database:	EDM
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: LTK Pad Offsets - (W08) RIO PECOS FEDERAL 001 - 31490 - (Inc Only)													Offset Site Error:	0.00 usft		
Survey Program: 544-INC-ONLY													Offset Well Error:	0.00 usft		
Reference													Rule Assigned:		Warning	
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)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor				
0.00	0.00	0.00	0.00	0.00	0.00	-77.430	162.69	-729.63	748.01							
100.00	100.00	73.50	73.50	0.79	2.57	-77.430	162.69	-729.63	747.54	744.19	3.35	222.853				
200.00	200.00	173.50	173.50	1.45	6.06	-77.430	162.69	-729.63	747.54	740.03	7.51	99.542				
300.00	300.00	273.50	273.50	1.89	9.56	-77.430	162.69	-729.63	747.54	736.09	11.45	65.286				
400.00	400.00	373.50	373.50	2.25	13.05	-77.430	162.69	-729.63	747.54	732.24	15.31	48.836				
500.00	500.00	473.50	473.50	2.57	16.55	-77.430	162.69	-729.63	747.54	728.43	19.12	39.105				
600.00	600.00	573.51	573.50	2.85	19.48	-77.430	162.69	-729.63	747.54	725.21	22.33	33.472				
700.00	700.00	673.51	673.50	3.11	21.08	-77.430	162.69	-729.63	747.54	723.36	24.19	30.906				
800.00	800.00	773.72	773.71	3.35	22.68	-77.403	163.05	-729.63	747.62	721.59	26.03	28.723				
900.00	900.00	874.12	874.11	3.58	24.28	-77.422	162.80	-729.63	747.57	719.71	27.86	26.835				
926.44	926.44	900.68	900.66	3.63	24.71	-77.430	162.69	-729.63	747.54	719.21	28.34	26.379				
1,000.00	1,000.00	973.55	973.50	3.79	26.22	-77.430	162.69	-729.63	747.54	717.54	30.01	24.912				
1,100.00	1,100.00	1,073.55	1,073.50	3.99	28.29	-77.430	162.69	-729.63	747.54	715.26	32.28	23.158				
1,200.00	1,200.00	1,174.23	1,174.16	4.19	30.37	-77.360	163.63	-729.63	747.75	713.19	34.56	21.636				
1,300.00	1,300.00	1,275.17	1,275.09	4.38	32.46	-77.411	162.94	-729.63	747.60	710.76	36.84	20.295				
1,371.48	1,371.48	1,345.12	1,344.98	4.51	34.02	-77.430	162.69	-729.63	747.54	709.01	38.53	19.400				
1,400.00	1,400.00	1,373.65	1,373.50	4.56	34.69	-77.430	162.69	-729.63	747.54	708.29	39.25	19.045				
1,500.00	1,500.00	1,473.65	1,473.50	4.74	37.02	-77.430	162.69	-729.63	747.54	705.78	41.76	17.901				
1,600.00	1,600.00	1,573.70	1,573.53	4.91	39.35	-77.321	164.14	-729.63	747.86	703.60	44.26	16.895				
1,700.00	1,700.00	1,674.40	1,674.23	5.08	41.70	-77.339	163.91	-729.63	747.81	701.03	46.78	15.968				
1,800.00	1,800.00	1,775.11	1,774.93	5.24	44.05	-77.388	163.25	-729.63	747.67	698.38	49.29	15.168				
1,900.00	1,900.00	1,873.71	1,873.50	5.40	46.44	-77.430	162.69	-729.63	747.54	695.70	51.84	14.420				
2,000.00	2,000.00	1,973.71	1,973.50	5.56	48.99	-77.430	162.69	-729.63	747.54	692.99	54.55	13.704				
2,100.00	2,099.98	2,073.69	2,073.48	5.80	51.54	-89.882	162.69	-729.63	747.54	690.28	57.25	13.056				
2,134.93	2,134.88	2,108.59	2,108.38	5.89	52.43	-89.992	162.69	-729.63	747.54	689.34	58.20	12.845 CC				
2,200.00	2,199.84	2,173.70	2,173.49	6.05	54.10	-90.240	163.27	-729.63	747.67	687.71	59.96	12.470				
2,300.00	2,299.45	2,273.55	2,273.33	6.31	56.65	-90.919	163.09	-729.63	747.72	685.07	62.65	11.934				
2,400.00	2,398.70	2,372.99	2,372.77	6.59	59.19	-91.867	162.76	-729.63	747.95	682.61	65.34	11.447				
2,500.00	2,497.47	2,473.00	2,472.58	6.89	61.72	-93.037	162.95	-729.63	748.66	680.62	68.04	11.003				
2,534.58	2,531.48	2,505.45	2,504.98	6.95	62.61	-93.494	162.69	-729.63	748.98	680.03	68.95	10.863				
2,600.00	2,595.77	2,569.74	2,569.27	7.09	64.46	-94.404	162.69	-729.63	749.83	678.95	70.88	10.578				
2,700.00	2,694.03	2,669.75	2,669.23	7.36	67.34	-95.813	162.71	-729.63	751.51	677.56	73.95	10.163				
2,800.00	2,792.30	2,767.37	2,766.68	7.64	70.33	-97.135	163.33	-729.63	753.69	676.56	77.14	9.771				
2,900.00	2,890.56	2,864.92	2,864.10	7.95	73.20	-98.491	163.36	-729.63	756.26	676.05	80.21	9.428				
3,000.00	2,988.82	2,963.24	2,962.32	8.27	76.31	-99.902	162.69	-729.63	759.24	675.71	83.53	9.089				
3,100.00	3,087.09	3,061.51	3,060.59	8.60	79.82	-101.252	162.69	-729.63	762.70	675.43	87.27	8.739 ES				
3,200.00	3,185.35	3,159.77	3,158.85	8.94	83.34	-102.590	162.69	-729.63	766.60	675.57	91.03	8.422				
3,300.00	3,283.62	3,258.03	3,257.12	9.30	86.86	-103.914	162.69	-729.63	770.93	676.13	94.79	8.133				
3,400.00	3,381.88	3,356.30	3,355.38	9.66	90.38	-105.222	162.69	-729.63	775.67	677.10	98.57	7.869				
3,500.00	3,480.14	3,454.38	3,453.36	10.03	93.89	-106.221	166.72	-729.63	780.52	678.18	102.34	7.627				
3,600.00	3,578.41	3,552.33	3,551.28	10.41	97.39	-107.542	166.06	-729.63	786.05	679.93	106.12	7.407				
3,700.00	3,676.67	3,650.13	3,649.05	10.79	100.90	-108.872	164.98	-729.63	792.06	682.15	109.91	7.206				
3,800.00	3,774.94	3,747.79	3,746.67	11.19	104.39	-110.212	163.46	-729.63	798.57	684.87	113.71	7.023				
3,900.00	3,873.20	3,847.98	3,846.70	11.58	107.16	-111.507	162.69	-729.63	805.40	688.62	116.78	6.897				
4,000.00	3,971.46	3,946.25	3,944.96	11.98	109.30	-112.706	162.69	-729.63	812.49	693.25	119.24	6.814				
4,100.00	4,069.73	4,044.51	4,043.23	12.39	111.45	-113.885	162.69	-729.63	819.94	698.22	121.71	6.737				
4,200.00	4,167.99	4,142.36	4,141.06	12.80	113.59	-114.961	163.83	-729.63	827.47	703.29	124.18	6.663				
4,300.00	4,266.26	4,239.98	4,238.68	13.21	115.72	-116.116	163.46	-729.63	835.68	709.02	126.66	6.598				
4,400.00	4,364.52	4,337.50	4,336.18	13.63	117.85	-117.266	162.79	-729.63	844.30	715.16	129.14	6.538				
4,500.00	4,462.78	4,437.68	4,436.28	14.05	120.21	-118.385	162.69	-729.63	853.11	721.25	131.86	6.470				
4,600.00	4,561.05	4,535.94	4,534.55	14.47	122.54	-119.456	162.69	-729.63	862.20	727.65	134.56	6.408				
4,700.00	4,659.31	4,634.15	4,632.74	14.90	124.87	-120.409	164.22	-729.63	871.11	733.85	137.26	6.347				

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



Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (02) LTK 24-25 FED COM 205H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	30.5' RKB @ 3840.50usft
Reference Site:	LTK Pad	MD Reference:	30.5' RKB @ 3840.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) LTK 24-25 FED COM 205H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	205H	Database:	EDM
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: LTK Pad Offsets - (W08) RIO PECOS FEDERAL 001 - 31490 - (Inc Only)														Offset Site Error:	0.00 usft
Survey Program: 544-INC-ONLY														Offset Well Error:	0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning		
		Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)					
4,800.00	4,757.58	4,731.32	4,729.91	15.32	127.18	-121.438	164.02	-729.63	880.84	740.89	139.94	6.294			
4,900.00	4,855.84	4,828.37	4,826.94	15.75	129.48	-122.465	163.45	-729.63	890.98	748.35	142.63	6.247			
5,000.00	4,954.10	4,929.16	4,927.60	16.18	131.87	-123.517	162.69	-729.63	901.48	756.06	145.42	6.199			
5,100.00	5,052.37	5,027.42	5,025.87	16.61	134.20	-124.477	162.69	-729.63	911.98	763.83	148.15	6.156			
5,200.00	5,150.63	5,125.69	5,124.13	17.05	136.52	-125.416	162.69	-729.63	922.73	771.85	150.88	6.116			
5,300.00	5,248.90	5,222.03	5,220.44	17.48	138.80	-126.246	163.94	-729.63	933.21	779.66	153.56	6.077			
5,400.00	5,347.16	5,318.00	5,316.40	17.92	141.07	-127.164	163.19	-729.63	944.76	788.52	156.24	6.047			
5,500.00	5,445.42	5,420.63	5,418.92	18.36	143.50	-128.105	162.69	-729.63	956.42	797.32	159.10	6.011			
5,600.00	5,543.69	5,518.90	5,517.19	18.80	145.83	-128.960	162.69	-729.63	968.10	806.25	161.85	5.981			
5,700.00	5,641.95	5,615.88	5,614.15	19.24	148.13	-129.716	164.00	-729.63	979.38	814.81	164.57	5.951			
5,800.00	5,740.22	5,711.31	5,709.57	19.68	150.39	-130.537	163.45	-729.63	991.74	824.48	167.26	5.929 SF			

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



Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (02) LTK 24-25 FED COM 205H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	30.5' RKB @ 3840.50usft
Reference Site:	LTK Pad	MD Reference:	30.5' RKB @ 3840.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) LTK 24-25 FED COM 205H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	205H	Database:	EDM
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: LTK Pad Offsets - (W10) WEST CORBIN 13 FEDERAL 001 - 31635 - (Inc Only)													Offset Site Error:	0.00 usft
Survey Program: 104-INC-ONLY											Rule Assigned:		Offset Well Error:	0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning	
		Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)				
6,800.00	6,722.86	6,730.90	6,730.36	24.15	138.74	-8.361	1,815.88	250.73	996.74	833.96	162.78	6.123		
6,900.00	6,821.12	6,833.56	6,833.01	24.60	140.73	-8.527	1,816.13	250.73	978.64	813.45	165.19	5.924		
7,000.00	6,919.38	6,927.46	6,926.88	25.05	142.64	-8.682	1,815.88	250.73	960.03	792.46	167.57	5.729		
7,100.00	7,017.65	7,025.73	7,025.15	25.50	144.74	-8.853	1,815.88	250.73	941.68	771.57	170.11	5.536		
7,200.00	7,115.91	7,129.35	7,128.76	25.96	146.96	-9.041	1,816.25	250.73	923.73	750.99	172.75	5.347		
7,300.00	7,214.18	7,222.33	7,221.68	26.41	149.04	-9.214	1,815.88	250.73	905.02	729.73	175.29	5.163		
7,400.00	7,312.44	7,320.59	7,319.94	26.86	151.36	-9.406	1,815.88	250.73	886.71	708.65	178.05	4.980		
7,500.00	7,410.70	7,425.11	7,424.43	27.31	153.82	-9.621	1,816.61	250.73	869.15	688.22	180.93	4.804		
7,600.00	7,508.97	7,517.25	7,516.47	27.77	156.04	-9.815	1,815.88	250.73	850.11	666.48	183.62	4.630		
7,700.00	7,607.23	7,615.51	7,614.73	28.22	158.59	-10.032	1,815.88	250.73	831.82	645.21	186.61	4.458		
7,800.00	7,705.50	7,719.73	7,718.92	28.68	161.29	-10.276	1,816.77	250.73	814.46	624.75	189.72	4.293		
7,900.00	7,803.76	7,812.23	7,811.26	29.13	163.73	-10.498	1,815.88	250.73	795.29	602.66	192.63	4.129		
8,000.00	7,902.02	7,910.49	7,909.52	29.59	166.61	-10.747	1,815.88	250.73	777.05	581.10	195.95	3.966		
8,100.00	8,000.29	8,014.66	8,013.65	30.04	169.66	-11.026	1,817.17	250.73	760.13	560.72	199.40	3.812		
8,200.00	8,098.55	8,123.12	8,122.06	30.50	172.84	-11.327	1,815.59	250.73	740.48	537.56	202.92	3.649		
8,258.01	8,155.56	8,164.32	8,163.06	30.75	174.10	-11.447	1,815.88	250.73	730.04	525.48	204.57	3.569		
8,300.00	8,196.87	8,210.84	8,209.55	30.94	175.51	-11.550	1,816.74	250.73	723.58	517.46	206.12	3.511		
8,400.00	8,295.68	8,304.60	8,303.18	31.39	178.27	-11.721	1,815.88	250.73	707.62	498.28	209.34	3.380		
8,500.00	8,394.96	8,403.88	8,402.46	31.82	181.05	-11.872	1,815.88	250.73	695.94	483.41	212.54	3.274		
8,600.00	8,494.59	8,508.36	8,506.87	32.22	183.98	-11.989	1,817.68	250.73	689.49	473.67	215.81	3.195		
8,700.00	8,594.46	8,617.19	8,615.65	32.57	187.03	-12.057	1,816.23	250.73	683.28	464.17	219.11	3.118		
8,792.59	8,687.04	8,696.22	8,694.54	32.74	189.21	0.249	1,815.88	250.73	681.34	459.75	221.59	3.075		
8,800.00	8,694.45	8,703.63	8,701.95	32.74	189.42	0.249	1,815.88	250.73	681.34	459.55	221.79	3.072		
8,900.00	8,794.45	8,803.63	8,801.95	32.80	192.16	0.249	1,815.88	250.73	681.34	456.74	224.60	3.034 CC		
8,992.59	8,887.04	8,896.74	8,895.03	32.83	194.72	0.249	1,817.79	250.73	683.24	456.06	227.19	3.007		
8,993.05	8,887.49	8,897.22	8,895.50	32.83	194.73	-179.381	1,817.79	250.73	683.24	456.05	227.20	3.007		
9,000.00	8,894.45	8,904.48	8,902.76	32.83	194.93	-179.381	1,817.78	250.73	683.28	455.90	227.39	3.005 ES		
9,050.00	8,944.35	8,956.59	8,954.87	32.72	196.36	-179.381	1,817.63	250.73	685.97	457.27	228.69	2.999 SF		
9,100.00	8,993.82	9,008.31	9,006.58	32.56	197.78	-179.380	1,817.32	250.73	692.84	462.90	229.93	3.013		
9,150.00	9,042.48	9,059.28	9,057.53	32.37	199.18	-179.378	1,816.86	250.73	703.84	472.71	231.13	3.045		
9,200.00	9,089.95	9,109.15	9,107.39	32.18	200.55	-179.375	1,816.25	250.73	718.91	486.63	232.27	3.095		
9,250.00	9,135.88	9,145.33	9,143.38	31.97	201.54	-179.365	1,815.88	250.73	738.19	505.05	233.14	3.166		
9,300.00	9,179.91	9,189.36	9,187.41	31.76	202.76	-179.356	1,815.88	250.73	761.84	527.69	234.15	3.254		
9,350.00	9,221.72	9,231.17	9,229.22	31.56	203.91	-179.341	1,815.88	250.73	789.24	554.15	235.09	3.357		
9,400.00	9,260.97	9,270.43	9,268.47	31.35	204.99	-179.321	1,815.88	250.73	820.18	584.21	235.96	3.476		
9,450.00	9,297.39	9,306.84	9,304.89	31.16	205.99	-179.292	1,815.88	250.73	854.42	617.65	236.77	3.609		
9,500.00	9,330.68	9,340.13	9,338.18	30.98	206.91	-179.252	1,815.88	250.73	891.70	654.20	237.50	3.755		
9,550.00	9,360.59	9,370.04	9,368.09	30.82	207.73	-179.195	1,815.88	250.73	931.74	693.59	238.15	3.912		
9,600.00	9,386.90	9,397.59	9,395.60	30.67	208.49	-179.116	1,818.01	250.73	976.37	737.62	238.75	4.089		

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



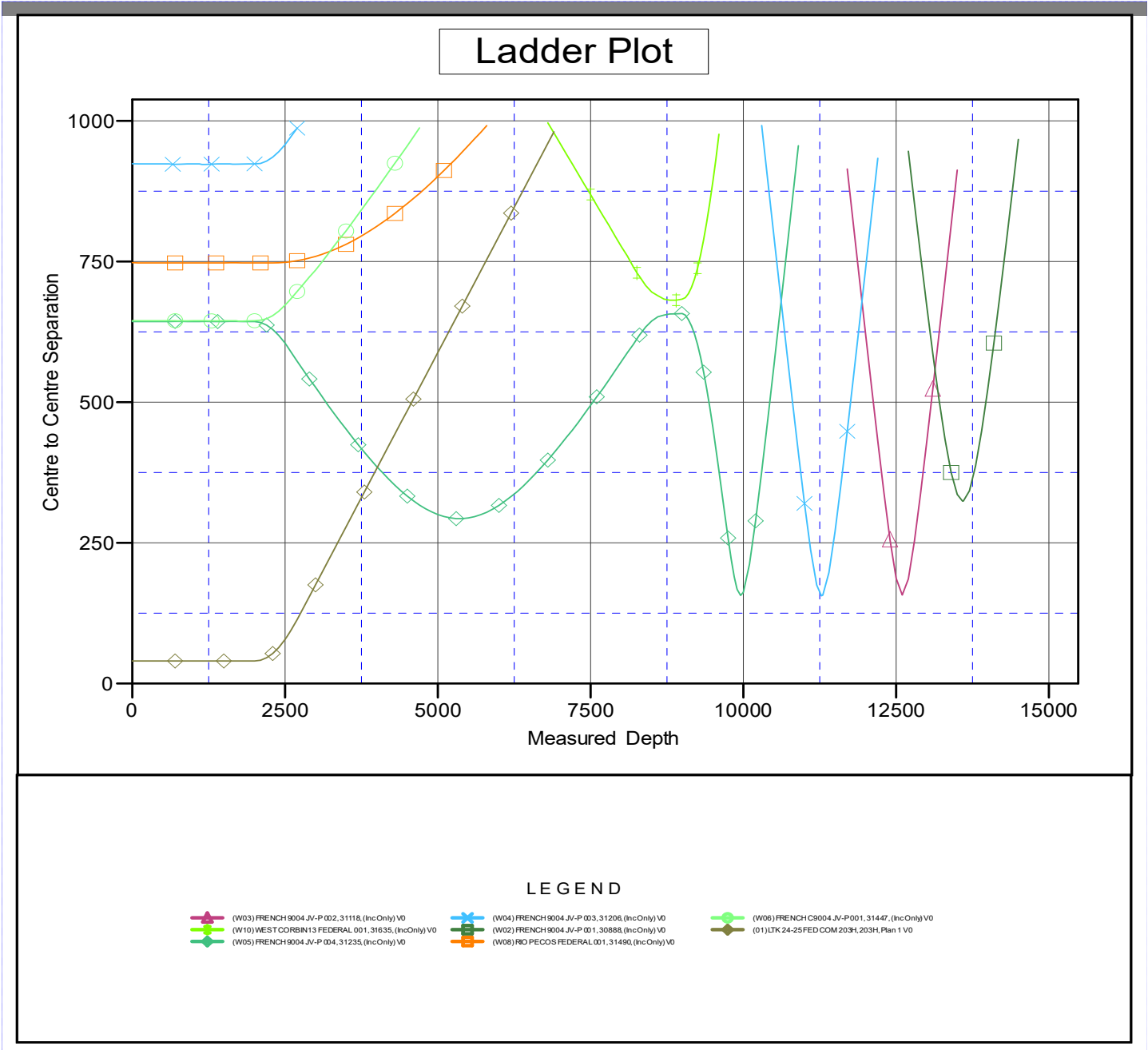
Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (02) LTK 24-25 FED COM 205H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	30.5' RKB @ 3840.50usft
Reference Site:	LTK Pad	MD Reference:	30.5' RKB @ 3840.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) LTK 24-25 FED COM 205H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	205H	Database:	EDM
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Reference Depths are relative to 30.5' RKB @ 3840.50usft
 Offset Depths are relative to Offset Datum
 Central Meridian is -104.3333334

Coordinates are relative to: (02) LTK 24-25 FED COM 205H
 Coordinate System is US State Plane 1983, New Mexico Eastern Zone
 Grid Convergence at Surface is: 0.335°



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



Anticollision Report

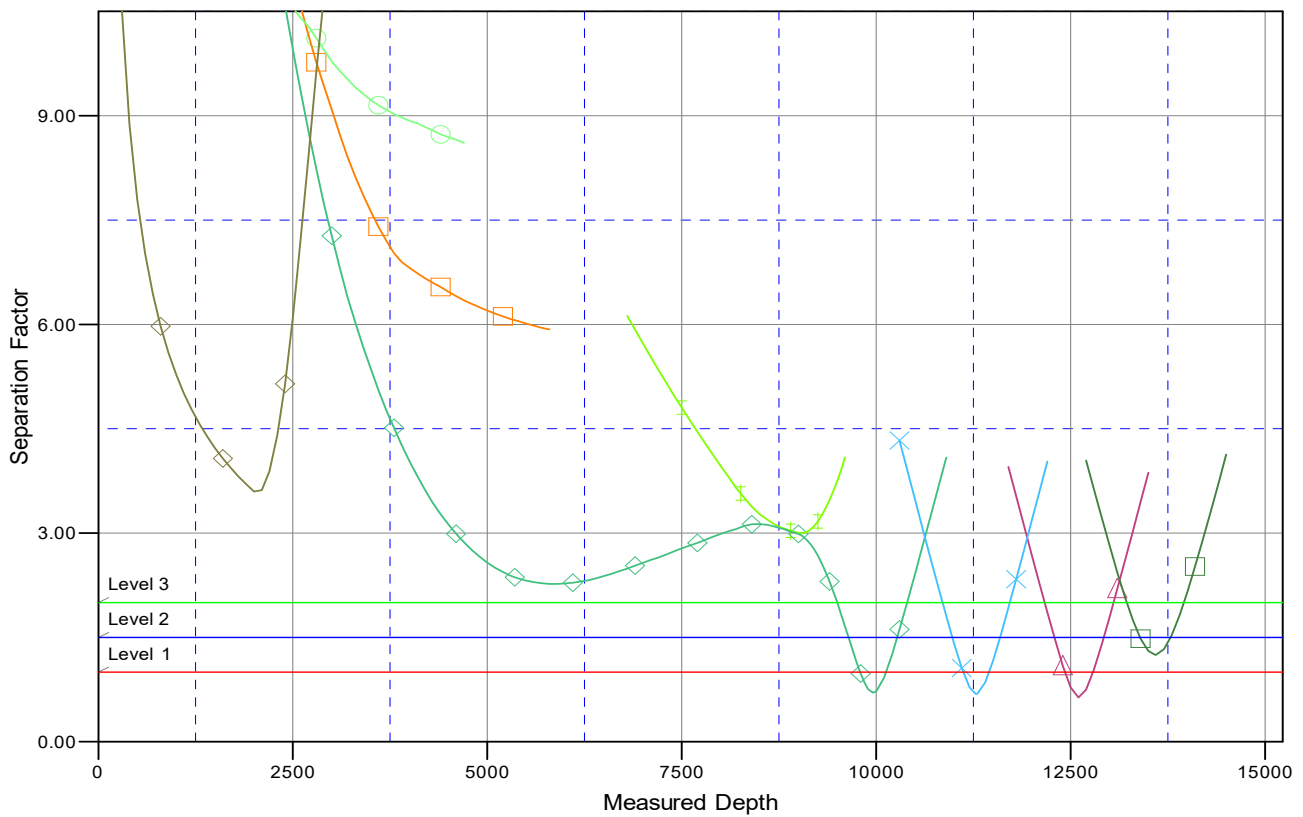


Company:	PBEX	Local Co-ordinate Reference:	Well (02) LTK 24-25 FED COM 205H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	30.5' RKB @ 3840.50usft
Reference Site:	LTK Pad	MD Reference:	30.5' RKB @ 3840.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) LTK 24-25 FED COM 205H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	205H	Database:	EDM
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Reference Depths are relative to 30.5' RKB @ 3840.50usft
 Offset Depths are relative to Offset Datum
 Central Meridian is -104.33333334

Coordinates are relative to: (02) LTK 24-25 FED COM 205H
 Coordinate System is US State Plane 1983, New Mexico Eastern Zone
 Grid Convergence at Surface is: 0.335°

Separation Factor Plot



LEGEND

- ▲ (W03) FRENCH 9004 JV-P 002, 31118, (Inc Only) V0
- × (W04) FRENCH 9004 JV-P 003, 31206, (Inc Only) V0
- (W08) FRENCH C9004 JV-P001, 31447, (Inc Only) V0
- (W10) WEST CORBIN 13 FEDERAL 001, 31635, (Inc Only) V0
- (W08) RIO PECOS FEDERAL 001, 31490, (Inc Only) V0
- ◇ (01) LTK 24-25 FED COM 203H, Plan 1 V0
- ◇ (W05) FRENCH 9004 JV-P 004, 31235, (Inc Only) V0

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



PBEX

**Lea County, NM (N83 - NME)
LTK Pad
(02) LTK 24-25 FED COM 205H
TBD
205H**

Plan: Plan 1

Standard Planning Report

23 March, 2026

DIXON



Planning Report



Database:	EDM	Local Co-ordinate Reference:	Well (02) LTK 24-25 FED COM 205H
Company:	PBEX	TVD Reference:	30.5' RKB @ 3840.50usft
Project:	Lea County, NM (N83 - NME)	MD Reference:	30.5' RKB @ 3840.50usft
Site:	LTK Pad	North Reference:	Grid
Well:	(02) LTK 24-25 FED COM 205H	Survey Calculation Method:	Minimum Curvature
Wellbore:	205H		
Design:	Plan 1		

Project	Lea County, NM (N83 - NME)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	LTK Pad				
Site Position:		Northing:	632,389.96 usft	Latitude:	32.73694979
From:	Map	Easting:	731,663.63 usft	Longitude:	-103.71435750
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "		

Well	(02) LTK 24-25 FED COM 205H					
Well Position	+N/-S	0.00 usft	Northing:	632,384.28 usft	Latitude:	32.73693354
	+E/-W	0.00 usft	Easting:	731,703.23 usft	Longitude:	-103.71422882
Position Uncertainty	0.00 usft		Wellhead Elevation:	usft	Ground Level:	3,810.00 usft
Grid Convergence:	0.335 °					

Wellbore	205H				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2025	3/23/2026	6.293	60.171	47,215.99635238

Design	Plan 1			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	179.63

Plan Survey Tool Program	Date	3/23/2026		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.00	19,789.38 Plan 1 (205H)	MWD	OWSG MWD - Standard

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.000	
2,534.58	10.69	12.32	2,531.48	48.59	10.61	2.00	2.00	0.00	12.319	
8,258.01	10.69	12.32	8,155.56	1,085.96	237.15	0.00	0.00	0.00	0.000	
8,792.59	0.00	0.00	8,687.04	1,134.55	247.76	2.00	-2.00	0.00	180.000	
8,992.59	0.00	0.00	8,887.04	1,134.55	247.76	0.00	0.00	0.00	0.000	
9,892.59	90.00	179.63	9,460.00	561.60	251.46	10.00	10.00	0.00	179.630	
19,789.38	90.00	179.63	9,460.00	-9,334.97	315.75	0.00	0.00	0.00	0.000	PBHL - v1 - (02) LTK :



Planning Report



Database:	EDM	Local Co-ordinate Reference:	Well (02) LTK 24-25 FED COM 205H
Company:	PBEX	TVD Reference:	30.5' RKB @ 3840.50usft
Project:	Lea County, NM (N83 - NME)	MD Reference:	30.5' RKB @ 3840.50usft
Site:	LTK Pad	North Reference:	Grid
Well:	(02) LTK 24-25 FED COM 205H	Survey Calculation Method:	Minimum Curvature
Wellbore:	205H		
Design:	Plan 1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00
Start Build 2.00									
2,100.00	2.00	12.32	2,099.98	1.70	0.37	-1.70	2.00	2.00	0.00
2,200.00	4.00	12.32	2,199.84	6.82	1.49	-6.81	2.00	2.00	0.00
2,300.00	6.00	12.32	2,299.45	15.33	3.35	-15.31	2.00	2.00	0.00
2,400.00	8.00	12.32	2,398.70	27.24	5.95	-27.20	2.00	2.00	0.00
2,500.00	10.00	12.32	2,497.47	42.52	9.29	-42.46	2.00	2.00	0.00
2,534.58	10.69	12.32	2,531.48	48.59	10.61	-48.52	2.00	2.00	0.00
Start 5723.44 hold at 2534.58 MD									
2,600.00	10.69	12.32	2,595.77	60.45	13.20	-60.36	0.00	0.00	0.00
2,700.00	10.69	12.32	2,694.03	78.57	17.16	-78.46	0.00	0.00	0.00
2,800.00	10.69	12.32	2,792.30	96.70	21.12	-96.56	0.00	0.00	0.00
2,900.00	10.69	12.32	2,890.56	114.82	25.07	-114.66	0.00	0.00	0.00
3,000.00	10.69	12.32	2,988.82	132.95	29.03	-132.76	0.00	0.00	0.00
3,100.00	10.69	12.32	3,087.09	151.07	32.99	-150.85	0.00	0.00	0.00
3,200.00	10.69	12.32	3,185.35	169.20	36.95	-168.95	0.00	0.00	0.00
3,300.00	10.69	12.32	3,283.62	187.32	40.91	-187.05	0.00	0.00	0.00
3,400.00	10.69	12.32	3,381.88	205.45	44.86	-205.15	0.00	0.00	0.00
3,500.00	10.69	12.32	3,480.14	223.57	48.82	-223.25	0.00	0.00	0.00
3,600.00	10.69	12.32	3,578.41	241.70	52.78	-241.35	0.00	0.00	0.00
3,700.00	10.69	12.32	3,676.67	259.82	56.74	-259.45	0.00	0.00	0.00
3,800.00	10.69	12.32	3,774.94	277.95	60.70	-277.55	0.00	0.00	0.00
3,900.00	10.69	12.32	3,873.20	296.07	64.66	-295.65	0.00	0.00	0.00
4,000.00	10.69	12.32	3,971.46	314.20	68.61	-313.75	0.00	0.00	0.00
4,100.00	10.69	12.32	4,069.73	332.32	72.57	-331.85	0.00	0.00	0.00
4,200.00	10.69	12.32	4,167.99	350.45	76.53	-349.94	0.00	0.00	0.00
4,300.00	10.69	12.32	4,266.26	368.57	80.49	-368.04	0.00	0.00	0.00
4,400.00	10.69	12.32	4,364.52	386.70	84.45	-386.14	0.00	0.00	0.00
4,500.00	10.69	12.32	4,462.78	404.82	88.40	-404.24	0.00	0.00	0.00
4,600.00	10.69	12.32	4,561.05	422.95	92.36	-422.34	0.00	0.00	0.00
4,700.00	10.69	12.32	4,659.31	441.07	96.32	-440.44	0.00	0.00	0.00
4,800.00	10.69	12.32	4,757.58	459.20	100.28	-458.54	0.00	0.00	0.00
4,900.00	10.69	12.32	4,855.84	477.32	104.24	-476.64	0.00	0.00	0.00



Planning Report



Database:	EDM	Local Co-ordinate Reference:	Well (02) LTK 24-25 FED COM 205H
Company:	PBEX	TVD Reference:	30.5' RKB @ 3840.50usft
Project:	Lea County, NM (N83 - NME)	MD Reference:	30.5' RKB @ 3840.50usft
Site:	LTK Pad	North Reference:	Grid
Well:	(02) LTK 24-25 FED COM 205H	Survey Calculation Method:	Minimum Curvature
Wellbore:	205H		
Design:	Plan 1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
5,000.00	10.69	12.32	4,954.10	495.45	108.19	-494.74	0.00	0.00	0.00	
5,100.00	10.69	12.32	5,052.37	513.57	112.15	-512.84	0.00	0.00	0.00	
5,200.00	10.69	12.32	5,150.63	531.70	116.11	-530.94	0.00	0.00	0.00	
5,300.00	10.69	12.32	5,248.90	549.82	120.07	-549.03	0.00	0.00	0.00	
5,400.00	10.69	12.32	5,347.16	567.95	124.03	-567.13	0.00	0.00	0.00	
5,500.00	10.69	12.32	5,445.42	586.07	127.98	-585.23	0.00	0.00	0.00	
5,600.00	10.69	12.32	5,543.69	604.20	131.94	-603.33	0.00	0.00	0.00	
5,700.00	10.69	12.32	5,641.95	622.32	135.90	-621.43	0.00	0.00	0.00	
5,800.00	10.69	12.32	5,740.22	640.45	139.86	-639.53	0.00	0.00	0.00	
5,900.00	10.69	12.32	5,838.48	658.57	143.82	-657.63	0.00	0.00	0.00	
6,000.00	10.69	12.32	5,936.74	676.70	147.78	-675.73	0.00	0.00	0.00	
6,100.00	10.69	12.32	6,035.01	694.82	151.73	-693.83	0.00	0.00	0.00	
6,200.00	10.69	12.32	6,133.27	712.95	155.69	-711.93	0.00	0.00	0.00	
6,300.00	10.69	12.32	6,231.54	731.07	159.65	-730.03	0.00	0.00	0.00	
6,400.00	10.69	12.32	6,329.80	749.20	163.61	-748.12	0.00	0.00	0.00	
6,500.00	10.69	12.32	6,428.06	767.32	167.57	-766.22	0.00	0.00	0.00	
6,600.00	10.69	12.32	6,526.33	785.45	171.52	-784.32	0.00	0.00	0.00	
6,700.00	10.69	12.32	6,624.59	803.57	175.48	-802.42	0.00	0.00	0.00	
6,800.00	10.69	12.32	6,722.86	821.70	179.44	-820.52	0.00	0.00	0.00	
6,900.00	10.69	12.32	6,821.12	839.82	183.40	-838.62	0.00	0.00	0.00	
7,000.00	10.69	12.32	6,919.38	857.95	187.36	-856.72	0.00	0.00	0.00	
7,100.00	10.69	12.32	7,017.65	876.07	191.31	-874.82	0.00	0.00	0.00	
7,200.00	10.69	12.32	7,115.91	894.20	195.27	-892.92	0.00	0.00	0.00	
7,300.00	10.69	12.32	7,214.18	912.32	199.23	-911.02	0.00	0.00	0.00	
7,400.00	10.69	12.32	7,312.44	930.45	203.19	-929.12	0.00	0.00	0.00	
7,500.00	10.69	12.32	7,410.70	948.57	207.15	-947.21	0.00	0.00	0.00	
7,600.00	10.69	12.32	7,508.97	966.70	211.10	-965.31	0.00	0.00	0.00	
7,700.00	10.69	12.32	7,607.23	984.82	215.06	-983.41	0.00	0.00	0.00	
7,800.00	10.69	12.32	7,705.50	1,002.95	219.02	-1,001.51	0.00	0.00	0.00	
7,900.00	10.69	12.32	7,803.76	1,021.07	222.98	-1,019.61	0.00	0.00	0.00	
8,000.00	10.69	12.32	7,902.02	1,039.20	226.94	-1,037.71	0.00	0.00	0.00	
8,100.00	10.69	12.32	8,000.29	1,057.32	230.90	-1,055.81	0.00	0.00	0.00	
8,200.00	10.69	12.32	8,098.55	1,075.45	234.85	-1,073.91	0.00	0.00	0.00	
8,258.01	10.69	12.32	8,155.56	1,085.96	237.15	-1,084.41	0.00	0.00	0.00	
Start Drop -2.00										
8,300.00	9.85	12.32	8,196.87	1,093.28	238.75	-1,091.71	2.00	-2.00	0.00	
8,400.00	7.85	12.32	8,295.68	1,108.31	242.03	-1,106.72	2.00	-2.00	0.00	
8,500.00	5.85	12.32	8,394.96	1,119.96	244.57	-1,118.36	2.00	-2.00	0.00	
8,600.00	3.85	12.32	8,494.59	1,128.23	246.38	-1,126.61	2.00	-2.00	0.00	
8,700.00	1.85	12.32	8,594.46	1,133.09	247.44	-1,131.47	2.00	-2.00	0.00	
8,792.59	0.00	0.00	8,687.04	1,134.55	247.76	-1,132.93	2.00	-2.00	0.00	
Start 200.00 hold at 8792.59 MD										
8,800.00	0.00	0.00	8,694.45	1,134.55	247.76	-1,132.93	0.00	0.00	0.00	
8,900.00	0.00	0.00	8,794.45	1,134.55	247.76	-1,132.93	0.00	0.00	0.00	
8,992.59	0.00	0.00	8,887.04	1,134.55	247.76	-1,132.93	0.00	0.00	0.00	
KOP: 8992.59' MD, 8887.04' TVD, 10.00' DLS										
9,000.00	0.74	179.63	8,894.45	1,134.50	247.76	-1,132.88	10.00	10.00	0.00	
9,050.00	5.74	179.63	8,944.35	1,131.68	247.78	-1,130.05	10.00	10.00	0.00	
9,100.00	10.74	179.63	8,993.82	1,124.51	247.82	-1,122.89	10.00	10.00	0.00	
9,150.00	15.74	179.63	9,042.48	1,113.06	247.90	-1,111.44	10.00	10.00	0.00	
9,200.00	20.74	179.63	9,089.95	1,097.42	248.00	-1,095.79	10.00	10.00	0.00	
9,250.00	25.74	179.63	9,135.88	1,077.70	248.13	-1,076.07	10.00	10.00	0.00	
9,300.00	30.74	179.63	9,179.91	1,054.04	248.28	-1,052.42	10.00	10.00	0.00	



Planning Report



Database:	EDM	Local Co-ordinate Reference:	Well (02) LTK 24-25 FED COM 205H
Company:	PBEX	TVD Reference:	30.5' RKB @ 3840.50usft
Project:	Lea County, NM (N83 - NME)	MD Reference:	30.5' RKB @ 3840.50usft
Site:	LTK Pad	North Reference:	Grid
Well:	(02) LTK 24-25 FED COM 205H	Survey Calculation Method:	Minimum Curvature
Wellbore:	205H		
Design:	Plan 1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
9,350.00	35.74	179.63	9,221.72	1,026.65	248.46	-1,025.02	10.00	10.00	0.00	
9,400.00	40.74	179.63	9,260.97	995.71	248.66	-994.08	10.00	10.00	0.00	
9,450.00	45.74	179.63	9,297.39	961.47	248.88	-959.84	10.00	10.00	0.00	
9,500.00	50.74	179.63	9,330.68	924.18	249.12	-922.55	10.00	10.00	0.00	
9,550.00	55.74	179.63	9,360.59	884.14	249.38	-882.51	10.00	10.00	0.00	
9,600.00	60.74	179.63	9,386.90	841.64	249.65	-840.01	10.00	10.00	0.00	
9,650.00	65.74	179.63	9,409.40	797.01	249.94	-795.38	10.00	10.00	0.00	
9,700.00	70.74	179.63	9,427.93	750.59	250.24	-748.95	10.00	10.00	0.00	
9,750.00	75.74	179.63	9,442.35	702.73	250.55	-701.09	10.00	10.00	0.00	
9,800.00	80.74	179.63	9,452.53	653.79	250.86	-652.16	10.00	10.00	0.00	
9,850.00	85.74	179.63	9,458.42	604.16	251.19	-602.52	10.00	10.00	0.00	
9,892.59	90.00	179.63	9,460.00	561.60	251.46	-559.97	10.00	10.00	0.00	
EOC: 9892.59' MD, 9460.00' TVD, -559.97' VS										
9,900.00	90.00	179.63	9,460.00	554.20	251.51	-552.56	0.00	0.00	0.00	
10,000.00	90.00	179.63	9,460.00	454.20	252.15	-452.56	0.00	0.00	0.00	
10,100.00	90.00	179.63	9,460.00	354.20	252.80	-352.56	0.00	0.00	0.00	
10,200.00	90.00	179.63	9,460.00	254.20	253.45	-252.56	0.00	0.00	0.00	
10,300.00	90.00	179.63	9,460.00	154.20	254.09	-152.56	0.00	0.00	0.00	
10,400.00	90.00	179.63	9,460.00	54.21	254.74	-52.56	0.00	0.00	0.00	
10,500.00	90.00	179.63	9,460.00	-45.79	255.38	47.44	0.00	0.00	0.00	
10,600.00	90.00	179.63	9,460.00	-145.79	256.03	147.44	0.00	0.00	0.00	
10,700.00	90.00	179.63	9,460.00	-245.79	256.67	247.44	0.00	0.00	0.00	
10,800.00	90.00	179.63	9,460.00	-345.78	257.32	347.44	0.00	0.00	0.00	
10,900.00	90.00	179.63	9,460.00	-445.78	257.97	447.44	0.00	0.00	0.00	
11,000.00	90.00	179.63	9,460.00	-545.78	258.61	547.44	0.00	0.00	0.00	
11,100.00	90.00	179.63	9,460.00	-645.78	259.26	647.44	0.00	0.00	0.00	
11,200.00	90.00	179.63	9,460.00	-745.78	259.90	747.44	0.00	0.00	0.00	
11,300.00	90.00	179.63	9,460.00	-845.77	260.55	847.44	0.00	0.00	0.00	
11,400.00	90.00	179.63	9,460.00	-945.77	261.19	947.44	0.00	0.00	0.00	
11,500.00	90.00	179.63	9,460.00	-1,045.77	261.84	1,047.44	0.00	0.00	0.00	
11,600.00	90.00	179.63	9,460.00	-1,145.77	262.49	1,147.44	0.00	0.00	0.00	
11,700.00	90.00	179.63	9,460.00	-1,245.77	263.13	1,247.44	0.00	0.00	0.00	
11,800.00	90.00	179.63	9,460.00	-1,345.76	263.78	1,347.44	0.00	0.00	0.00	
11,900.00	90.00	179.63	9,460.00	-1,445.76	264.42	1,447.44	0.00	0.00	0.00	
12,000.00	90.00	179.63	9,460.00	-1,545.76	265.07	1,547.44	0.00	0.00	0.00	
12,100.00	90.00	179.63	9,460.00	-1,645.76	265.71	1,647.44	0.00	0.00	0.00	
12,200.00	90.00	179.63	9,460.00	-1,745.76	266.36	1,747.44	0.00	0.00	0.00	
12,300.00	90.00	179.63	9,460.00	-1,845.75	267.01	1,847.44	0.00	0.00	0.00	
12,400.00	90.00	179.63	9,460.00	-1,945.75	267.65	1,947.44	0.00	0.00	0.00	
12,500.00	90.00	179.63	9,460.00	-2,045.75	268.30	2,047.44	0.00	0.00	0.00	
12,600.00	90.00	179.63	9,460.00	-2,145.75	268.94	2,147.44	0.00	0.00	0.00	
12,700.00	90.00	179.63	9,460.00	-2,245.75	269.59	2,247.44	0.00	0.00	0.00	
12,800.00	90.00	179.63	9,460.00	-2,345.74	270.24	2,347.44	0.00	0.00	0.00	
12,900.00	90.00	179.63	9,460.00	-2,445.74	270.88	2,447.44	0.00	0.00	0.00	
13,000.00	90.00	179.63	9,460.00	-2,545.74	271.53	2,547.44	0.00	0.00	0.00	
13,100.00	90.00	179.63	9,460.00	-2,645.74	272.17	2,647.44	0.00	0.00	0.00	
13,200.00	90.00	179.63	9,460.00	-2,745.73	272.82	2,747.44	0.00	0.00	0.00	
13,300.00	90.00	179.63	9,460.00	-2,845.73	273.46	2,847.44	0.00	0.00	0.00	
13,400.00	90.00	179.63	9,460.00	-2,945.73	274.11	2,947.44	0.00	0.00	0.00	
13,500.00	90.00	179.63	9,460.00	-3,045.73	274.76	3,047.44	0.00	0.00	0.00	
13,600.00	90.00	179.63	9,460.00	-3,145.73	275.40	3,147.44	0.00	0.00	0.00	
13,700.00	90.00	179.63	9,460.00	-3,245.72	276.05	3,247.44	0.00	0.00	0.00	
13,800.00	90.00	179.63	9,460.00	-3,345.72	276.69	3,347.44	0.00	0.00	0.00	
13,900.00	90.00	179.63	9,460.00	-3,445.72	277.34	3,447.44	0.00	0.00	0.00	



Planning Report



Database:	EDM	Local Co-ordinate Reference:	Well (02) LTK 24-25 FED COM 205H
Company:	PBEX	TVD Reference:	30.5' RKB @ 3840.50usft
Project:	Lea County, NM (N83 - NME)	MD Reference:	30.5' RKB @ 3840.50usft
Site:	LTK Pad	North Reference:	Grid
Well:	(02) LTK 24-25 FED COM 205H	Survey Calculation Method:	Minimum Curvature
Wellbore:	205H		
Design:	Plan 1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
14,000.00	90.00	179.63	9,460.00	-3,545.72	277.98	3,547.44	0.00	0.00	0.00	
14,100.00	90.00	179.63	9,460.00	-3,645.72	278.63	3,647.44	0.00	0.00	0.00	
14,200.00	90.00	179.63	9,460.00	-3,745.71	279.28	3,747.44	0.00	0.00	0.00	
14,300.00	90.00	179.63	9,460.00	-3,845.71	279.92	3,847.44	0.00	0.00	0.00	
14,400.00	90.00	179.63	9,460.00	-3,945.71	280.57	3,947.44	0.00	0.00	0.00	
14,500.00	90.00	179.63	9,460.00	-4,045.71	281.21	4,047.44	0.00	0.00	0.00	
14,600.00	90.00	179.63	9,460.00	-4,145.71	281.86	4,147.44	0.00	0.00	0.00	
14,700.00	90.00	179.63	9,460.00	-4,245.70	282.50	4,247.44	0.00	0.00	0.00	
14,800.00	90.00	179.63	9,460.00	-4,345.70	283.15	4,347.44	0.00	0.00	0.00	
14,900.00	90.00	179.63	9,460.00	-4,445.70	283.80	4,447.44	0.00	0.00	0.00	
15,000.00	90.00	179.63	9,460.00	-4,545.70	284.44	4,547.44	0.00	0.00	0.00	
15,100.00	90.00	179.63	9,460.00	-4,645.70	285.09	4,647.44	0.00	0.00	0.00	
15,200.00	90.00	179.63	9,460.00	-4,745.69	285.73	4,747.44	0.00	0.00	0.00	
15,300.00	90.00	179.63	9,460.00	-4,845.69	286.38	4,847.44	0.00	0.00	0.00	
15,400.00	90.00	179.63	9,460.00	-4,945.69	287.03	4,947.44	0.00	0.00	0.00	
15,500.00	90.00	179.63	9,460.00	-5,045.69	287.67	5,047.44	0.00	0.00	0.00	
15,600.00	90.00	179.63	9,460.00	-5,145.68	288.32	5,147.44	0.00	0.00	0.00	
15,700.00	90.00	179.63	9,460.00	-5,245.68	288.96	5,247.44	0.00	0.00	0.00	
15,800.00	90.00	179.63	9,460.00	-5,345.68	289.61	5,347.44	0.00	0.00	0.00	
15,900.00	90.00	179.63	9,460.00	-5,445.68	290.25	5,447.44	0.00	0.00	0.00	
16,000.00	90.00	179.63	9,460.00	-5,545.68	290.90	5,547.44	0.00	0.00	0.00	
16,100.00	90.00	179.63	9,460.00	-5,645.67	291.55	5,647.44	0.00	0.00	0.00	
16,200.00	90.00	179.63	9,460.00	-5,745.67	292.19	5,747.44	0.00	0.00	0.00	
16,300.00	90.00	179.63	9,460.00	-5,845.67	292.84	5,847.44	0.00	0.00	0.00	
16,400.00	90.00	179.63	9,460.00	-5,945.67	293.48	5,947.44	0.00	0.00	0.00	
16,500.00	90.00	179.63	9,460.00	-6,045.67	294.13	6,047.44	0.00	0.00	0.00	
16,600.00	90.00	179.63	9,460.00	-6,145.66	294.77	6,147.44	0.00	0.00	0.00	
16,700.00	90.00	179.63	9,460.00	-6,245.66	295.42	6,247.44	0.00	0.00	0.00	
16,800.00	90.00	179.63	9,460.00	-6,345.66	296.07	6,347.44	0.00	0.00	0.00	
16,900.00	90.00	179.63	9,460.00	-6,445.66	296.71	6,447.44	0.00	0.00	0.00	
17,000.00	90.00	179.63	9,460.00	-6,545.66	297.36	6,547.44	0.00	0.00	0.00	
17,100.00	90.00	179.63	9,460.00	-6,645.65	298.00	6,647.44	0.00	0.00	0.00	
17,200.00	90.00	179.63	9,460.00	-6,745.65	298.65	6,747.44	0.00	0.00	0.00	
17,300.00	90.00	179.63	9,460.00	-6,845.65	299.29	6,847.44	0.00	0.00	0.00	
17,400.00	90.00	179.63	9,460.00	-6,945.65	299.94	6,947.44	0.00	0.00	0.00	
17,500.00	90.00	179.63	9,460.00	-7,045.65	300.59	7,047.44	0.00	0.00	0.00	
17,600.00	90.00	179.63	9,460.00	-7,145.64	301.23	7,147.44	0.00	0.00	0.00	
17,700.00	90.00	179.63	9,460.00	-7,245.64	301.88	7,247.44	0.00	0.00	0.00	
17,800.00	90.00	179.63	9,460.00	-7,345.64	302.52	7,347.44	0.00	0.00	0.00	
17,900.00	90.00	179.63	9,460.00	-7,445.64	303.17	7,447.44	0.00	0.00	0.00	
18,000.00	90.00	179.63	9,460.00	-7,545.63	303.81	7,547.44	0.00	0.00	0.00	
18,100.00	90.00	179.63	9,460.00	-7,645.63	304.46	7,647.44	0.00	0.00	0.00	
18,200.00	90.00	179.63	9,460.00	-7,745.63	305.11	7,747.44	0.00	0.00	0.00	
18,300.00	90.00	179.63	9,460.00	-7,845.63	305.75	7,847.44	0.00	0.00	0.00	
18,400.00	90.00	179.63	9,460.00	-7,945.63	306.40	7,947.44	0.00	0.00	0.00	
18,500.00	90.00	179.63	9,460.00	-8,045.62	307.04	8,047.44	0.00	0.00	0.00	
18,600.00	90.00	179.63	9,460.00	-8,145.62	307.69	8,147.44	0.00	0.00	0.00	
18,700.00	90.00	179.63	9,460.00	-8,245.62	308.34	8,247.44	0.00	0.00	0.00	
18,800.00	90.00	179.63	9,460.00	-8,345.62	308.98	8,347.44	0.00	0.00	0.00	
18,900.00	90.00	179.63	9,460.00	-8,445.62	309.63	8,447.44	0.00	0.00	0.00	
19,000.00	90.00	179.63	9,460.00	-8,545.61	310.27	8,547.44	0.00	0.00	0.00	
19,100.00	90.00	179.63	9,460.00	-8,645.61	310.92	8,647.44	0.00	0.00	0.00	
19,200.00	90.00	179.63	9,460.00	-8,745.61	311.56	8,747.44	0.00	0.00	0.00	
19,300.00	90.00	179.63	9,460.00	-8,845.61	312.21	8,847.44	0.00	0.00	0.00	



Planning Report



Database:	EDM	Local Co-ordinate Reference:	Well (02) LTK 24-25 FED COM 205H
Company:	PBEX	TVD Reference:	30.5' RKB @ 3840.50usft
Project:	Lea County, NM (N83 - NME)	MD Reference:	30.5' RKB @ 3840.50usft
Site:	LTK Pad	North Reference:	Grid
Well:	(02) LTK 24-25 FED COM 205H	Survey Calculation Method:	Minimum Curvature
Wellbore:	205H		
Design:	Plan 1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
19,400.00	90.00	179.63	9,460.00	-8,945.61	312.86	8,947.44	0.00	0.00	0.00	
19,500.00	90.00	179.63	9,460.00	-9,045.60	313.50	9,047.44	0.00	0.00	0.00	
19,600.00	90.00	179.63	9,460.00	-9,145.60	314.15	9,147.44	0.00	0.00	0.00	
19,700.00	90.00	179.63	9,460.00	-9,245.60	314.79	9,247.44	0.00	0.00	0.00	
19,789.38	90.00	179.63	9,460.00	-9,334.97	315.75	9,336.81	0.00	0.00	0.00	
TD: 19789.38' MD, 9460.00' TVD, 9336.82' VS										

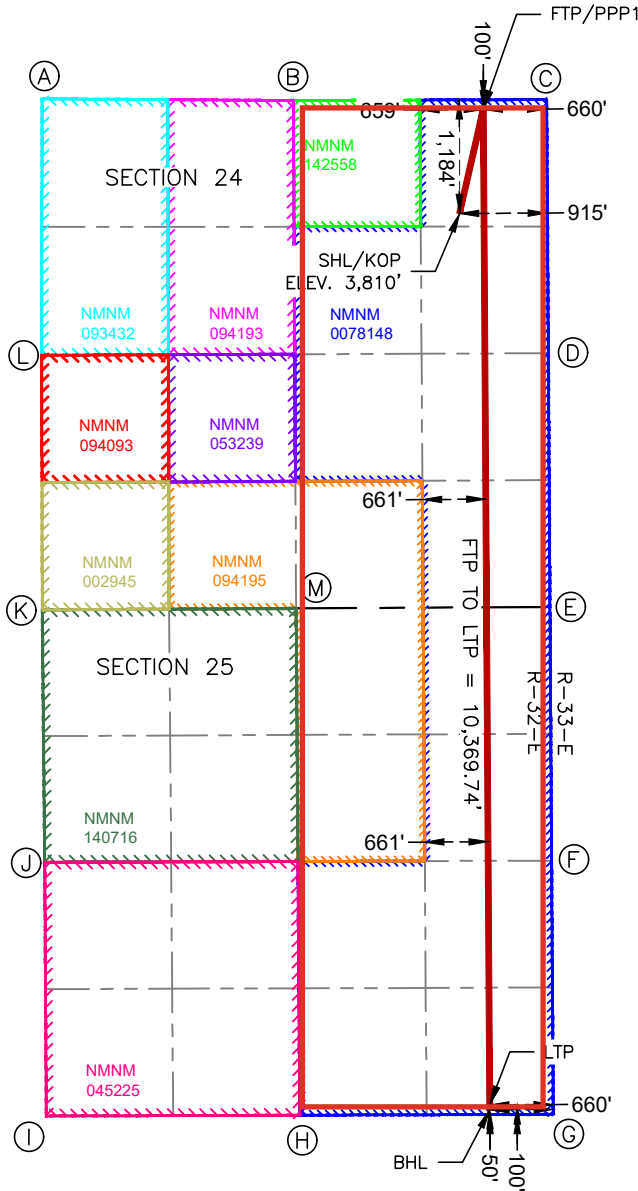
Design Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude	
LTP - v1 - (02) LTK 24-2 - hit/miss target - Shape - Point	0.00	0.00	9,460.00	-9,284.97	315.42	623,099.31	732,018.65	32.71140849	-103.71337970	- plan misses target center by 39.38usft at 19700.00usft MD (9460.00 TVD, -9245.60 N, 314.79 E)
PBHL - v1 - (02) LTK 24- - plan hits target center - Point	0.00	0.00	9,460.00	-9,334.97	315.75	623,049.31	732,018.98	32.71127105	-103.71337958	
FTP/PP1 - v1 - (02) LTK - plan misses target center by 202.79usft at 9466.49usft MD (9308.72 TVD, 949.49 N, 248.96 E) - Point	0.00	0.01	9,460.00	1,084.55	248.15	633,468.83	731,951.38	32.73991046	-103.71340120	

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Comment	
2,000.00	2,000.00	0.00	0.00	Start Build 2.00	
2,534.58	2,531.48	48.59	10.61	Start 5723.44 hold at 2534.58 MD	
8,258.01	8,155.56	1,085.96	237.15	Start Drop -2.00	
8,792.59	8,687.04	1,134.55	247.76	Start 200.00 hold at 8792.59 MD	
8,992.59	8,887.04	1,134.55	247.76	KOP: 8992.59' MD, 8887.04' TVD, 10.00' DLS	
9,892.59	9,460.00	561.60	251.46	EOC: 9892.59' MD, 9460.00' TVD, -559.97' VS	
19,789.38	9,460.00	-9,334.97	315.75	TD: 19789.38' MD, 9460.00' TVD, 9336.82' VS	

ACREAGE DEDICATION PLATS

This grid represents a standard section. You may superimpose a non-standard section, or larger area, over this grid. Operators must outline the dedicated acreage in a red box, clearly show the well surface location and bottom hole location, if it is directionally drilled, with the dimensions from the section lines in the cardinal directions. If this is a horizontal wellbore show on this plat the location of the First Take Point and Last Take Point, and the point within the Completed interval (other than the First Take Point or Last Take Point) that is closest to any outer boundary of the tract.

Surveyors shall use the latest United States government survey or dependent resurvey. Well locations will be in reference to the New Mexico Principal Meridian. If the land is not surveyed, contact the OCD Engineering Bureau. Independent subdivision surveys will not be acceptable.



SURFACE HOLE LOCATION & KICK-OFF POINT
 1,184' FNL & 915' FEL
 ELEV. = 3,810'
 NAD 83 X = 731,703.23'
 NAD 83 Y = 632,384.28'
 NAD 83 LAT = 32.736934°
 NAD 83 LONG = -103.714229°
 NAD 27 X = 690,524.43'
 NAD 27 Y = 632,320.46'
 NAD 27 LAT = 32.736813°
 NAD 27 LONG = -103.713727°

FIRST TAKE POINT & PENETRATION POINT 1
 100' FNL & 660' FEL
 NAD 83 X = 731,951.38'
 NAD 83 Y = 633,468.83'
 NAD 83 LAT = 32.739910°
 NAD 83 LONG = -103.713401°
 NAD 27 X = 690,772.61'
 NAD 27 Y = 633,404.99'
 NAD 27 LAT = 32.739789°
 NAD 27 LONG = -103.712899°

LAST TAKE POINT
 100' FSL & 660' FEL
 NAD 83 X = 732,018.65'
 NAD 83 Y = 623,099.31'
 NAD 83 LAT = 32.711408°
 NAD 83 LONG = -103.713380°
 NAD 27 X = 690,839.59'
 NAD 27 Y = 623,035.73'
 NAD 27 LAT = 32.711287°
 NAD 27 LONG = -103.712879°

BOTTOM HOLE LOCATION
 50' FSL & 660' FEL
 NAD 83 X = 732,018.98'
 NAD 83 Y = 623,049.31'
 NAD 83 LAT = 32.711271°
 NAD 83 LONG = -103.713380°
 NAD 27 X = 690,839.92'
 NAD 27 Y = 622,985.74'
 NAD 27 LAT = 32.711150°
 NAD 27 LONG = -103.712879°

CORNER COORDINATES NEW MEXICO EAST - NAD 83	
POINT	NORTHING/EASTING
A	N:633,579.81' E:727,354.66'
B	N:633,561.15' E:729,972.58'
C	N:633,571.39' E:732,610.74'
D	N:630,928.76' E:732,627.68'
E	N:628,286.58' E:732,645.20'
F	N:625,643.80' E:732,661.88'
G	N:623,001.57' E:732,679.31'
H	N:622,992.53' E:730,040.82'
I	N:622,984.14' E:727,399.78'
J	N:625,626.70' E:727,383.20'
K	N:628,255.53' E:727,357.53'
L	N:630,908.15' E:727,350.61'
M	N:628,271.06' E:730,001.36'

LTK 24-25 FED COM 205H

C-102 Submit Electronically Via OCD Permitting	State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION	Revised July 9, 2024
		Submittal Type: <input checked="" type="checkbox"/> Initial Submittal <input type="checkbox"/> Amended Report <input type="checkbox"/> As Drilled

WELL LOCATION INFORMATION

API Number	Pool Code 13160	Pool Name CORBIN;BONE SPRING, SOUTH
Property Code	Property Name LTK 24-25 FED COM	Well Number 205H
OGRID No. 192373	Operator Name EGL RESOURCES INC.	Ground Level Elevation 3,810'
Surface Owner: <input type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input checked="" type="checkbox"/> Federal		Mineral Owner: <input type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input checked="" type="checkbox"/> Federal

Surface Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
A	24	18 S	32 E		1,184' FNL	915' FEL	32.736934	-103.714229	LEA

Bottom Hole Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
P	25	18 S	32 E		10' FSL	330' FEL	32.711159	-103.712307	LEA

Dedicated Acres 640	Infill or Defining Well	Defining Well API	Overlapping Spacing Unit (Y/N)	Consolidation Code
Order Numbers.			Well setbacks are under Common Ownership: <input type="checkbox"/> Yes <input type="checkbox"/> No	

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
A	24	18 S	32 E		1,184' FNL	915' FEL	32.736934	-103.714229	LEA

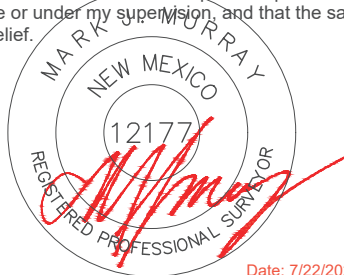
First Take Point (FTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
A	24	18 S	32 E		330' FNL	330' FEL	32.739277	-103.712328	LEA

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
P	25	18 S	32 E		330' FSL	330' FEL	32.712038	-103.712307	LEA

Unitized Area or Area of Uniform Interest	Spacing Unit Type <input type="checkbox"/> Horizontal <input type="checkbox"/> Vertical	Ground Floor Elevation:
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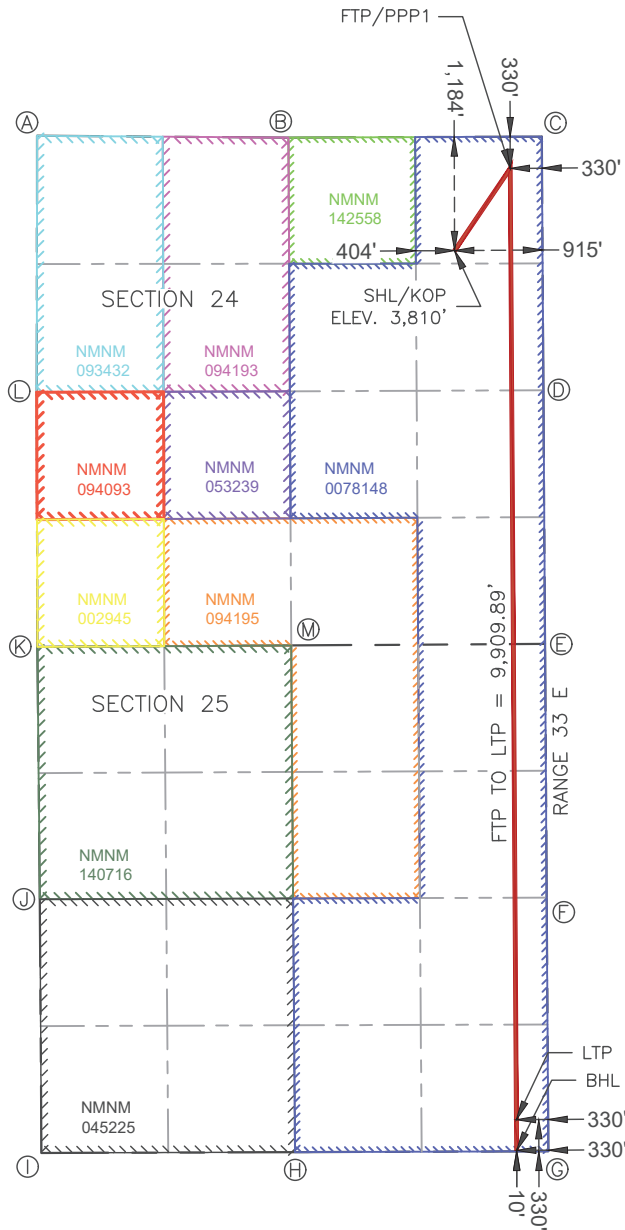
<p>OPERATOR CERTIFICATIONS</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is a vertical or directional well, that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p>If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.</p> <p><i>Mikah Thomas</i> 7/28/24</p>	<p>SURVEYOR CERTIFICATIONS</p> <p>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</p> <div style="text-align: center;">  <p>Date: 7/22/2024</p> </div>
Signature Mikah Thomas	Signature and Seal of Professional Surveyor
Printed Name mikah@pbex.com	Certificate Number 12177
Email Address	Date of Survey 7/22/2024

Note: No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

ACREAGE DEDICATION PLATS

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 NAD 27 LAT = 32.736813°
 NAD 27 LONG = -103.713727°

FIRST TAKE POINT & PENETRATION POINT 1
 330' FNL & 330' FEL

NAD 83 X = 732,282.86'
 NAD 83 Y = 633,240.12'
 NAD 83 LAT = 32.739277°
 NAD 83 LONG = -103.712328°
 NAD 27 X = 691,104.08'
 NAD 27 Y = 633,176.27'
 NAD 27 LAT = 32.739155°
 NAD 27 LONG = -103.711826°

LAST TAKE POINT
 330' FSL & 330' FEL

NAD 83 X = 732,347.13'
 NAD 83 Y = 623,330.44'
 NAD 83 LAT = 32.712038°
 NAD 83 LONG = -103.712307°
 NAD 27 X = 691,168.08'
 NAD 27 Y = 623,266.85'
 NAD 27 LAT = 32.711917°
 NAD 27 LONG = -103.711807°

BOTTOM HOLE LOCATION
 10' FSL & 330' FEL

NAD 83 X = 732,349.24'
 NAD 83 Y = 623,010.44'
 NAD 83 LAT = 32.711159°
 NAD 83 LONG = -103.712307°
 NAD 27 X = 691,170.18'
 NAD 27 Y = 622,946.86'
 NAD 27 LAT = 32.711038°
 NAD 27 LONG = -103.711806°

24-18-32-A Sundry ID 2898187 LTK 24-25 Fed Com 205H Lea NM078148 EGL RESOURCES INCORPORATED 13-22g 2-27-2024
LV.xlsm

LTK 24-25 Fed Com 205H

13 3/8		surface csg in a		17 1/2		inch hole.		Design Factors				Surface	
Segment	#/ft	Grade		Coupling	Body	Collapse	Burst	Length	B@s	a-B	a-C	Weight	
"A"	54.50		j 55	btc	11.34	1.9	1.12	1,380	5	1.92	3.88	75,210	
"B"				btc				0				0	
w/8.4#/g mud, 30min Sfc Csg Test psig: 1,309								Totals:				1,380	75,210
Comparison of Proposed to Minimum Required Cement Volumes													
Hole Size	Annular Volume	1 Stage Cmt Sx	1 Stage CuFt Cmt	Min Cu Ft	1 Stage % Excess	Drilling Mud Wt	Calc MASP	Req'd BOPE				Min Dist Hole-Cplg	
17 1/2	0.6946	1273	1820	959	90	8.30	1422	2M				1.56	
Site plan (pipe racks for F) as per D.D.1.11 D.4.1 not found													

9 5/8		casing inside the		13 3/8		Design Factors				Int 1			
Segment	#/ft	Grade		Coupling	Body	Collapse	Burst	Length	B@s	a-B	a-C	Weight	
"A"	40.00		j 55	btc	3.43	1.06	0.83	4,700	2	1.47	1.81	188,000	
"B"								0				0	
w/8.4#/g mud, 30min Sfc Csg Test psig: 762								Totals:				4,700	188,000
The cement volume(s) are intended to achieve a top of 0 ft from surface or a 1380 overlap.													
Hole Size	Annular Volume	1 Stage Cmt Sx	1 Stage CuFt Cmt	Min Cu Ft	1 Stage % Excess	Drilling Mud Wt	Calc MASP	Req'd BOPE				Min Dist Hole-Cplg	
12 1/4	0.3132	1227	3074	1540	100	10.20	2686	3M				0.81	
D V Tool(s):								sum of sx		Σ CuFt		Σ% excess	
t by stage %:									1227	3074		100	
Class 'H' tail cmt yld > 1.20													
Burst Frac Gradient(s) for Segment(s): A, B, C, D = 0.86, b, c, d All > 0.70, OK.													

5 1/2		casing inside the		9 5/8		Design Factors				Prod 1			
Segment	#/ft	Grade		Coupling	Joint	Collapse	Burst	Length	B@s	a-B	a-C	Weight	
"A"	20.00		p 110	freedom	3.39	11.01	2.8	2,000	3	4.97	19.55	40,000	
"B"	20.00		p 110	freedom	1.73	2.60	2.8	6,258	3	4.97	4.73	125,160	
"C"	20.00		p 110	freedom	2.62	2.39	2.80	734	3	4.97	4.35	14,680	
"D"	20.00		p 110	freedom	8.15	2.08	2.8	10,797	3	4.97	4.13	215,940	
w/8.4#/g mud, 30min Sfc Csg Test psig: 1,500								Totals:				19,789	395,780
The cement volume(s) are intended to achieve a top of 4500 ft from surface or a 200 overlap.													
Hole Size	Annular Volume	1 Stage Cmt Sx	1 Stage CuFt Cmt	Min Cu Ft	1 Stage % Excess	Drilling Mud Wt	Calc MASP	Req'd BOPE				Min Dist Hole-Cplg	
8 3/4	0.2526	3331	4783	3864	24	9.70						1.23	
Class 'C' tail cmt yld > 1.35													

#N/A				5 1/2		Design Factors				<Choose Casing>		
Segment	#/ft	Grade		Coupling	#N/A	Collapse	Burst	Length	B@s	a-B	a-C	Weight
"A"				0.00				0				0
"B"				0.00				0				0
w/8.4#/g mud, 30min Sfc Csg Test psig:								Totals:				0
Cmt vol calc below includes this csg, TOC intended #N/A ft from surface or a #N/A overlap.												
Hole Size	Annular Volume	1 Stage Cmt Sx	1 Stage CuFt Cmt	Min Cu Ft	1 Stage % Excess	Drilling Mud Wt	Calc MASP	Req'd BOPE				Min Dist Hole-Cplg
0		#N/A	#N/A	0	#N/A							
#N/A Capitan Reef est top XXXX.												

PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	PBEX Operations LLC
LOCATION:	Section 24, T.18 S., R.32 E., NMPM
COUNTY:	Lea County, New Mexico

WELL NAME & NO.:	LTK 24-25 Fed Com 205H
ATS/API ID:	ATS-24-2426
APD ID:	10400100265
Sundry ID:	2898187

COA

H2S	Yes		
Potash	None	None	
Cave/Karst Potential	Low		
Cave/Karst Potential	<input type="checkbox"/> Critical		
Variance	<input type="radio"/> None	<input checked="" type="radio"/> Flex Hose	<input type="radio"/> Other
Wellhead	Conventional and Multibowl		
Other	<input type="checkbox"/> 4 String <input type="checkbox"/> 5 String	Capitan Reef None	<input type="checkbox"/> WIPP
Other	Pilot Hole None	<input type="checkbox"/> Open Annulus	
Cementing	Contingency Squeeze None	Echo-Meter None	Primary Cement Squeeze None
Special Requirements	<input type="checkbox"/> Water Disposal/Injection	<input type="checkbox"/> COM	<input type="checkbox"/> Unit
Special Requirements	<input type="checkbox"/> Batch Sundry	Waste Prevention Waste MP	
Special Requirements Variance	<input type="checkbox"/> BOPE Break Testing <input type="checkbox"/> Offline BOPE Testing	<input type="checkbox"/> Offline Cementing	<input type="checkbox"/> Casing Clearance

A. HYDROGEN SULFIDE

A Hydrogen Sulfide (H₂S) Drilling Plan shall be activated 500 feet prior to drilling into the **Delaware** formation. As a result, the Hydrogen Sulfide area must meet **43 CFR part 3170 Subpart 3176** requirements, which includes equipment and personnel/public protection items. If Hydrogen Sulfide is encountered, please provide measured values and formations to the BLM.

B. CASING

1. The **13-3/8** inch surface casing shall be set at approximately **1380 feet** (a minimum of **25 feet (Lea County)** into the Rustler Anhydrite and above the salt when present, and below usable fresh water) and cemented to the surface. The surface hole shall be **17 1/2** inch in diameter.
 - a. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic type temperature survey with surface log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of six hours after pumping cement and ideally between 8-10 hours after completing the cement job.
 - b. Wait on cement (WOC) time for a primary cement job will be a minimum of **8 hours** or 500 pounds compressive strength, whichever is greater. (This is to include the lead cement)
 - c. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compressive strength, whichever is greater.
 - d. If cement falls back, remedial cementing will be done prior to drilling out that string.

Intermediate casing must be kept fluid filled to meet BLM minimum collapse requirement.

2. The minimum required fill of cement behind the **9-5/8** inch intermediate casing is:
 - Cement to surface. If cement does not circulate see B.1.a, c-d above.
3. The minimum required fill of cement behind the **5-1/2** inch production casing is:
 - Cement should tie-back at least **200 feet** into previous casing string. Operator shall provide method of verification.
Cement excess is less than 25%, more cement is required if washout occurs. Adjust cement volume and excess based on a fluid caliper or similar method that reflects the as-drilled size of the wellbore.

C. PRESSURE CONTROL

1. Variance approved to use flex line from BOP to choke manifold. Manufacturer's specification to be readily available. No external damage to flex line. Flex line to be installed as straight as possible (no hard bends).'
- 2.

Option 1:

- a. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **3000 (3M)** psi.
- b. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the **9-5/8** inch intermediate casing shoe shall be **5000 (5M)** psi.

Option 2:

Operator has proposed a multi-bowl wellhead assembly. This assembly will only be tested when installed on the **13-3/8** inch surface casing. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **5000 (5M)** psi.

- a. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
- b. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
- c. Manufacturer representative shall install the test plug for the initial BOP test.
- d. If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
- e. Whenever any seal subject to test pressure is broken, all the tests in 43 CFR 3172.6(b)(9) must be followed.

GENERAL REQUIREMENTS

The BLM is to be notified in advance for a representative to witness:

- a. Spudding well (minimum of 24 hours)
- b. Setting and/or Cementing of all casing strings (minimum of 4 hours)
- c. BOPE tests (minimum of 4 hours)

Lea County

Call the Hobbs Field Station, 414 West Taylor, Hobbs NM 88240,
(575) 689-5981

1. Unless the production casing has been run and cemented or the well has been properly plugged, the drilling rig shall not be removed from over the hole without prior approval.
 - a. In the event the operator has proposed to drill multiple wells utilizing a skid/walking rig. Operator shall secure the wellbore on the current well, after installing and testing the wellhead, by installing a blind flange of like pressure rating to the wellhead and a pressure gauge that can be monitored while drilling is performed on the other well(s).
 - b. When the operator proposes to set surface casing with Spudder Rig
 - Notify the BLM when moving in and removing the Spudder Rig.
 - Notify the BLM when moving in the 2nd Rig. Rig to be moved in within 90 days of notification that Spudder Rig has left the location.
 - BOP/BOPE test to be conducted per **43 CFR part 3170 Subpart 3172** as soon as 2nd Rig is rigged up on well.
2. Floor controls are required for 3M or Greater systems. These controls will be on the rig floor, unobstructed, readily accessible to the driller and will be operational at all times during drilling and/or completion activities. Rig floor is defined as the area immediately around the rotary table; the area immediately above the substructure on which the draw works are located, this does not include the dog house or stairway area.

A. CASING

1. Changes to the approved APD casing program need prior approval if the items substituted are of lesser grade or different casing size or are Non-API. The Operator can exchange the components of the proposal with that of superior strength (i.e. changing from J-55 to N-80, or from 36# to 40#). Changes to the approved cement program need prior approval if the altered cement plan has less volume or strength or if the changes are substantial (i.e. Multistage tool, ECP, etc.). The initial wellhead installed on the well will remain on the well with spools used as needed.

2. Wait on cement (WOC) for Potash Areas: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi for all cement blends of both lead and tail cement, 2) until cement has been in place at least 8 hours. WOC time will be recorded in the driller's log. The casing integrity test can be done (prior to the cement setting up) immediately after bumping the plug.
3. Wait on cement (WOC) for Water Basin: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi at the shoe, 2) until cement has been in place at least 8 hours. WOC time will be recorded in the driller's log. See individual casing strings for details regarding lead cement slurry requirements. The casing integrity test can be done (prior to the cement setting up) immediately after bumping the plug.
4. Provide compressive strengths including hours to reach required 500 pounds compressive strength prior to cementing each casing string. Have well specific cement details onsite prior to pumping the cement for each casing string.
5. No pea gravel permitted for remedial or fall back remedial without prior authorization from the BLM engineer.
6. On that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Formation at the shoe shall be tested to a minimum of the mud weight equivalent anticipated to control the formation pressure to the next casing depth or at total depth of the well. This test shall be performed before drilling more than 20 feet of new hole.
7. If hardband drill pipe is rotated inside casing, returns will be monitored for metal. If metal is found in samples, drill pipe will be pulled and rubber protectors which have a larger diameter than the tool joints of the drill pipe will be installed prior to continuing drilling operations.
8. Whenever a casing string is cemented in the R-111-P potash area, the NMOCD requirements shall be followed.

B. PRESSURE CONTROL

1. All blowout preventer (BOP) and related equipment (BOPE) shall comply with well control requirements as described in **43 CFR part 3170 Subpart 3172** and **API STD 53 Sec. 5.3**.
2. If a variance is approved for a flexible hose to be installed from the BOP to the choke manifold, the following requirements apply: The flex line must meet the requirements of API 16C. Check condition of flexible line from BOP to choke

manifold, replace if exterior is damaged or if line fails test. Line to be as straight as possible with no hard bends and is to be anchored according to Manufacturer's requirements. The flexible hose can be exchanged with a hose of equal size and equal or greater pressure rating. Anchor requirements, specification sheet and hydrostatic pressure test certification matching the hose in service, to be onsite for review. These documents shall be posted in the company man's trailer and on the rig floor.

3. 5M or higher system requires an HCR valve, remote kill line and annular to match. The remote kill line is to be installed prior to testing the system and tested to stack pressure.
4. If the operator has proposed a multi-bowl wellhead assembly in the APD. The following requirements must be met:
 - a. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
 - b. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
 - c. Manufacturer representative shall install the test plug for the initial BOP test.
 - d. Whenever any seal subject to test pressure is broken, all the tests in 43 CFR 3172.6(b)(9) must be followed.
 - e. If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
5. The appropriate BLM office shall be notified a minimum of 4 hours in advance for a representative to witness the tests.
 - a. In a water basin, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. The casing cut-off and BOP installation can be initiated four hours after installing the slips, which will be approximately six hours after bumping the plug. For those casing strings not using slips, the minimum wait time before cut-off is eight hours after bumping the plug. BOP/BOPE testing can begin after cut-off or once cement reaches 500 psi compressive strength (including lead cement), whichever is greater. However, if the float does not hold, cut-off cannot be initiated until cement reaches 500 psi compressive strength (including lead when specified).
 - b. In potash areas, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. For all casing strings, casing cut-off and BOP installation can be initiated at twelve hours after bumping the cement plug. The BOPE test can be

initiated after bumping the cement plug with the casing valve open. (only applies to single stage cement jobs, prior to the cement setting up.)

- c. The tests shall be done by an independent service company utilizing a test plug not a cup or J-packer and can be initiated immediately with the casing valve open. The operator also has the option of utilizing an independent tester to test without a plug (i.e. against the casing) pursuant to **43 CFR part 3170 Subpart 3172** with the pressure not to exceed 70% of the burst rating for the casing. Any test against the casing must meet the WOC time for 8 hours or 500 pounds compressive strength, whichever is greater, prior to initiating the test (see casing segment as lead cement may be critical item).
- d. The test shall be run on a 5000 psi chart for a 2-3M BOP/BOP, on a 10000 psi chart for a 5M BOP/BOPE and on a 15000 psi chart for a 10M BOP/BOPE. If a linear chart is used, it shall be a one hour chart. A circular chart shall have a maximum 2 hour clock. If a twelve hour or twenty-four hour chart is used, tester shall make a notation that it is run with a two hour clock.
- e. The results of the test shall be reported to the appropriate BLM office.
- f. All tests are required to be recorded on a calibrated test chart. A copy of the BOP/BOPE test chart and a copy of independent service company test will be submitted to the appropriate BLM office.
- g. The BOP/BOPE test shall include a low pressure test from 250 to 300 psi. The test will be held for a minimum of 10 minutes if test is done with a test plug and 30 minutes without a test plug. This test shall be performed prior to the test at full stack pressure.
- h. BOP/BOPE must be tested by an independent service company within 500 feet of the top of the Wolfcamp formation if the time between the setting of the intermediate casing and reaching this depth exceeds 20 days. This test does not exclude the test prior to drilling out the casing shoe as per **43 CFR part 3170 Subpart 3172**.

C. DRILLING MUD

Mud system monitoring equipment, with derrick floor indicators and visual and audio alarms, shall be operating before drilling into the Wolfcamp formation, and shall be used until production casing is run and cemented.

D. WASTE MATERIAL AND FLUIDS

All waste (i.e. drilling fluids, trash, salts, chemicals, sewage, gray water, etc.) created as a result of drilling operations and completion operations shall be safely contained and

disposed of properly at a waste disposal facility. No waste material or fluid shall be disposed of on the well location or surrounding area.

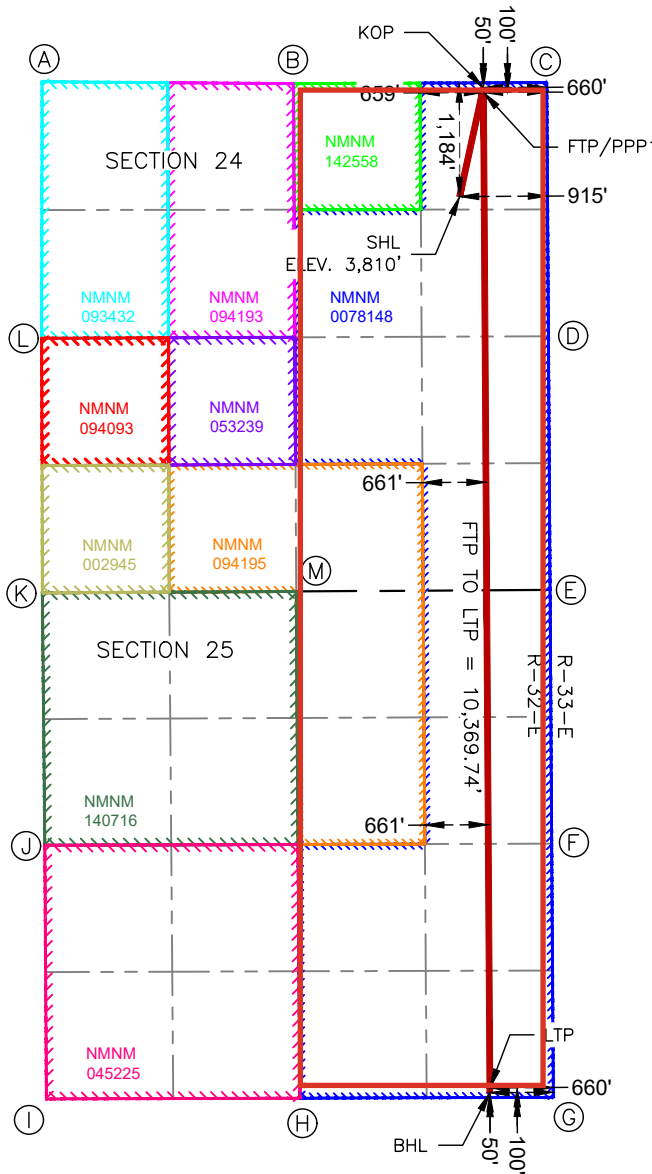
Porto-johns and trash containers will be on-location during fracturing operations or any other crew-intensive operations.

Long Vo (LVO) 3/24/2026

ACREAGE DEDICATION PLATS

This grid represents a standard section. You may superimpose a non-standard section, or larger area, over this grid. Operators must outline the dedicated acreage in a red box, clearly show the well surface location and bottom hole location, if it is directionally drilled, with the dimensions from the section lines in the cardinal directions. If this is a horizontal wellbore show on this plat the location of the First Take Point and Last Take Point, and the point within the Completed interval (other than the First Take Point or Last Take Point) that is closest to any outer boundary of the tract.

Surveyors shall use the latest United States government survey or dependent resurvey. Well locations will be in reference to the New Mexico Principal Meridian. If the land is not surveyed, contact the OCD Engineering Bureau. Independent subdivision surveys will not be acceptable.



LTK 24-25 FED COM 205H

SURFACE HOLE LOCATION
 1,184' FNL & 915' FEL
 ELEV. = 3,810'
 NAD 83 X = 731,703.23'
 NAD 83 Y = 632,384.28'
 NAD 83 LAT = 32.736934°
 NAD 83 LONG = -103.714229°
 NAD 27 X = 690,524.43'
 NAD 27 Y = 632,320.46'
 NAD 27 LAT = 32.736813°
 NAD 27 LONG = -103.713727°

KICK-OFF POINT
 50' FNL & 660' FEL
 NAD 83 X = 731,951.06'
 NAD 83 Y = 633,518.83'
 NAD 83 LAT = 32.740048°
 NAD 83 LONG = -103.713401°
 NAD 27 X = 690,772.29'
 NAD 27 Y = 633,454.98'
 NAD 27 LAT = 32.739927°
 NAD 27 LONG = -103.712899°

FIRST TAKE POINT & PENETRATION POINT 1
 100' FNL & 660' FEL
 NAD 83 X = 731,951.38'
 NAD 83 Y = 633,468.83'
 NAD 83 LAT = 32.739910°
 NAD 83 LONG = -103.713401°
 NAD 27 X = 690,772.61'
 NAD 27 Y = 633,404.99'
 NAD 27 LAT = 32.739789°
 NAD 27 LONG = -103.712899°

LAST TAKE POINT
 100' FSL & 660' FEL
 NAD 83 X = 732,018.65'
 NAD 83 Y = 623,099.31'
 NAD 83 LAT = 32.711408°
 NAD 83 LONG = -103.713380°
 NAD 27 X = 690,839.59'
 NAD 27 Y = 623,035.73'
 NAD 27 LAT = 32.711287°
 NAD 27 LONG = -103.712879°

BOTTOM HOLE LOCATION
 50' FSL & 660' FEL
 NAD 83 X = 732,018.98'
 NAD 83 Y = 623,049.31'
 NAD 83 LAT = 32.711271°
 NAD 83 LONG = -103.713380°
 NAD 27 X = 690,839.92'
 NAD 27 Y = 622,985.74'
 NAD 27 LAT = 32.711150°
 NAD 27 LONG = -103.712879°

CORNER COORDINATES NEW MEXICO EAST - NAD 83	
POINT	NORTHING/EASTING
A	N:633,579.81' E:727,354.66'
B	N:633,561.15' E:729,972.58'
C	N:633,571.39' E:732,610.74'
D	N:630,928.76' E:732,627.68'
E	N:628,286.58' E:732,645.20'
F	N:625,643.80' E:732,661.88'
G	N:623,001.57' E:732,679.31'
H	N:622,992.53' E:730,040.82'
I	N:622,984.14' E:727,399.78'
J	N:625,626.70' E:727,383.20'
K	N:628,255.53' E:727,357.53'
L	N:630,908.15' E:727,350.61'
M	N:628,271.06' E:730,001.36'

Notice of Intent to Change Drill Plan

LTK 24-25 Fed Com 205H

Original Design in Grey

New Design in Blue

Propose intermediate open hole size change from 9.875" to 12.25" - Allows for a larger clearance of annular space between OH size and planned 9-5/8" casing size.

Target Zone: BS2Carb

Target Zone: BS2Carb

Casing Design- ORIGINAL

Name	Hole Size	Casing Size	Standard	Tapered	Top MD	Btm MD	Top TVD	Btm TVD	Grade	Weight	Thread	Collapse	Burst	Tension
Surface	17 1/2	13 3/8	API	no	0	1380	0	1380	J-55	54.5	BTC	1.125	1.125	1.6
Intermediate 1	9 7/8	8 5/8	API	no	0	4590	0	4560	P-110 HP	32	Talon HTQ	1.125	1.125	1.6
Production	7 7/8	5 1/2	API	no	0	20215	0	9450	P-110 EC	17	CDC HTQ	1.125	1.125	1.6

Casing Design- NEW

Name	Hole Size	Casing Size	Standard	Tapered	Top MD	Btm MD	Top TVD	Btm TVD	Grade	Weight	Thread	Collapse	Burst	Tension
Surface	17 1/2	13 3/8	API	no	0	1310	0	1310	J-55	54.55	BTC	1.125	1.125	1.6
Intermediate 1	12 1/4	9 5/8	API	no	0	4700	0	4590	J-55	40	BTC	1.125	1.125	1.6
Production	8 3/4	5 1/2	API	no	0	19789	0	9460	P110	20	Freedom	1.125	1.125	1.6

Alternate Grades and or higher weights could be substituted to meet maximum stimulation pressures or due to coupling availability

Cement Details- ORIGINAL

Name	Type	Top MD	Sacks	Yield	Cu Ft	Weight	Excess	Cement	Additives
Surface	Lead	0	751	2.22	1667.3	12.5	100%	C	Gel, Accleerator, LCM
	Tail	1200	136	1.84	250.1	13.2	100%	C	Gel, Accleerator, LCM
Intermediate	Lead	0	252	4.65	1172.8	10.5	100%	C or H	Fluid Loss, Retarder, LCM, Possibly Beads
	Tail	3840	130	1.83	237.9	13.2	100%	C or H	Fluid Loss, Retarder, LCM
Producion	Lead	4090	217	4.3	934.6	10.5	20%	H	Fluid Loss, Retarder, LCM
	Tail	8530	1498	1.68	2517.3	13	20%	H	Fluid Loss, Retarder, LCM

Cement Details- NEW

Name	Type	Top MD	Sacks	Yield	Cu Ft	Weight	Excess	Cement	Additives
Surface	Lead	0	1,158	1.44	1667.1	12.8	100%	C	Gel, Accleerator, LCM
	Tail	1200	115	1.33	152.8	14.8	100%	C	Gel, Accleerator, LCM
Intermediate	Lead	0	753	3.32	2500.5	10.5	100%	C	Fluid Loss, Retarder, LCM, Possibly Beads
	Tail	3785	474	1.21	573.1	13.2	100%	C	Fluid Loss, Retarder, LCM
Producion	Lead	4035	381	3.03	1153.8	10.5	20%	H	Fluid Loss, Retarder, LCM
	Tail	7820	2,950	1.23	3628.0	13.2	20%	H	Fluid Loss, Retarder, LCM

Mud Program- ORIGINAL

Name	Top	Bottom	Type	Mud Weight	Vis	Fluid Loss
Surface	0	1380	Water Based Mud	8.3	30-60	NC
Intermediate	1380	4560	Brine	10.2	35-45	NC
Production	4560	20215	Oil Based Mud	9.7	35-65	4 to 6

Mud Program- NEW

Name	Top	Bottom	Type	Mud Weight	Vis	Fluid Loss
Surface	0	1310	Water Based Mud	8.3	30-60	NC
Intermediate	1310	4700	Brine Based Mud	10.2	35-45	NC
Production	4700	19867	Oil Based Mud	9.7	35-65	4 to 6



PBEX

**Lea County, NM (N83 - NME)
LTK Pad
(02) LTK 24-25 FED COM 205H
TBD
205H**

Plan: Plan 1

Standard Planning Report

23 March, 2026

DIXON



Planning Report



Database:	EDM	Local Co-ordinate Reference:	Well (02) LTK 24-25 FED COM 205H
Company:	PBEX	TVD Reference:	30.5' RKB @ 3840.50usft
Project:	Lea County, NM (N83 - NME)	MD Reference:	30.5' RKB @ 3840.50usft
Site:	LTK Pad	North Reference:	Grid
Well:	(02) LTK 24-25 FED COM 205H	Survey Calculation Method:	Minimum Curvature
Wellbore:	205H		
Design:	Plan 1		

Project	Lea County, NM (N83 - NME)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	LTK Pad				
Site Position:		Northing:	632,389.96 usft	Latitude:	32.73694979
From:	Map	Easting:	731,663.63 usft	Longitude:	-103.71435750
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "		

Well	(02) LTK 24-25 FED COM 205H					
Well Position	+N/-S	0.00 usft	Northing:	632,384.28 usft	Latitude:	32.73693354
	+E/-W	0.00 usft	Easting:	731,703.23 usft	Longitude:	-103.71422882
Position Uncertainty	0.00 usft		Wellhead Elevation:	usft	Ground Level:	3,810.00 usft
Grid Convergence:	0.335 °					

Wellbore	205H				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2025	3/23/2026	6.293	60.171	47,215.99635238

Design	Plan 1			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	179.63

Plan Survey Tool Program	Date	3/23/2026		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.00	19,789.38 Plan 1 (205H)	MWD	OWSG MWD - Standard

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.000	
2,534.58	10.69	12.32	2,531.48	48.59	10.61	2.00	2.00	0.00	12.319	
8,258.01	10.69	12.32	8,155.56	1,085.96	237.15	0.00	0.00	0.00	0.000	
8,792.59	0.00	0.00	8,687.04	1,134.55	247.76	2.00	-2.00	0.00	180.000	
8,992.59	0.00	0.00	8,887.04	1,134.55	247.76	0.00	0.00	0.00	0.000	
9,892.59	90.00	179.63	9,460.00	561.60	251.46	10.00	10.00	0.00	179.630	
19,789.38	90.00	179.63	9,460.00	-9,334.97	315.75	0.00	0.00	0.00	0.000	PBHL - v1 - (02) LTK :



Planning Report



Database:	EDM	Local Co-ordinate Reference:	Well (02) LTK 24-25 FED COM 205H
Company:	PBEX	TVD Reference:	30.5' RKB @ 3840.50usft
Project:	Lea County, NM (N83 - NME)	MD Reference:	30.5' RKB @ 3840.50usft
Site:	LTK Pad	North Reference:	Grid
Well:	(02) LTK 24-25 FED COM 205H	Survey Calculation Method:	Minimum Curvature
Wellbore:	205H		
Design:	Plan 1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00
Start Build 2.00									
2,100.00	2.00	12.32	2,099.98	1.70	0.37	-1.70	2.00	2.00	0.00
2,200.00	4.00	12.32	2,199.84	6.82	1.49	-6.81	2.00	2.00	0.00
2,300.00	6.00	12.32	2,299.45	15.33	3.35	-15.31	2.00	2.00	0.00
2,400.00	8.00	12.32	2,398.70	27.24	5.95	-27.20	2.00	2.00	0.00
2,500.00	10.00	12.32	2,497.47	42.52	9.29	-42.46	2.00	2.00	0.00
2,534.58	10.69	12.32	2,531.48	48.59	10.61	-48.52	2.00	2.00	0.00
Start 5723.44 hold at 2534.58 MD									
2,600.00	10.69	12.32	2,595.77	60.45	13.20	-60.36	0.00	0.00	0.00
2,700.00	10.69	12.32	2,694.03	78.57	17.16	-78.46	0.00	0.00	0.00
2,800.00	10.69	12.32	2,792.30	96.70	21.12	-96.56	0.00	0.00	0.00
2,900.00	10.69	12.32	2,890.56	114.82	25.07	-114.66	0.00	0.00	0.00
3,000.00	10.69	12.32	2,988.82	132.95	29.03	-132.76	0.00	0.00	0.00
3,100.00	10.69	12.32	3,087.09	151.07	32.99	-150.85	0.00	0.00	0.00
3,200.00	10.69	12.32	3,185.35	169.20	36.95	-168.95	0.00	0.00	0.00
3,300.00	10.69	12.32	3,283.62	187.32	40.91	-187.05	0.00	0.00	0.00
3,400.00	10.69	12.32	3,381.88	205.45	44.86	-205.15	0.00	0.00	0.00
3,500.00	10.69	12.32	3,480.14	223.57	48.82	-223.25	0.00	0.00	0.00
3,600.00	10.69	12.32	3,578.41	241.70	52.78	-241.35	0.00	0.00	0.00
3,700.00	10.69	12.32	3,676.67	259.82	56.74	-259.45	0.00	0.00	0.00
3,800.00	10.69	12.32	3,774.94	277.95	60.70	-277.55	0.00	0.00	0.00
3,900.00	10.69	12.32	3,873.20	296.07	64.66	-295.65	0.00	0.00	0.00
4,000.00	10.69	12.32	3,971.46	314.20	68.61	-313.75	0.00	0.00	0.00
4,100.00	10.69	12.32	4,069.73	332.32	72.57	-331.85	0.00	0.00	0.00
4,200.00	10.69	12.32	4,167.99	350.45	76.53	-349.94	0.00	0.00	0.00
4,300.00	10.69	12.32	4,266.26	368.57	80.49	-368.04	0.00	0.00	0.00
4,400.00	10.69	12.32	4,364.52	386.70	84.45	-386.14	0.00	0.00	0.00
4,500.00	10.69	12.32	4,462.78	404.82	88.40	-404.24	0.00	0.00	0.00
4,600.00	10.69	12.32	4,561.05	422.95	92.36	-422.34	0.00	0.00	0.00
4,700.00	10.69	12.32	4,659.31	441.07	96.32	-440.44	0.00	0.00	0.00
4,800.00	10.69	12.32	4,757.58	459.20	100.28	-458.54	0.00	0.00	0.00
4,900.00	10.69	12.32	4,855.84	477.32	104.24	-476.64	0.00	0.00	0.00



Planning Report



Database:	EDM	Local Co-ordinate Reference:	Well (02) LTK 24-25 FED COM 205H
Company:	PBEX	TVD Reference:	30.5' RKB @ 3840.50usft
Project:	Lea County, NM (N83 - NME)	MD Reference:	30.5' RKB @ 3840.50usft
Site:	LTK Pad	North Reference:	Grid
Well:	(02) LTK 24-25 FED COM 205H	Survey Calculation Method:	Minimum Curvature
Wellbore:	205H		
Design:	Plan 1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
5,000.00	10.69	12.32	4,954.10	495.45	108.19	-494.74	0.00	0.00	0.00	
5,100.00	10.69	12.32	5,052.37	513.57	112.15	-512.84	0.00	0.00	0.00	
5,200.00	10.69	12.32	5,150.63	531.70	116.11	-530.94	0.00	0.00	0.00	
5,300.00	10.69	12.32	5,248.90	549.82	120.07	-549.03	0.00	0.00	0.00	
5,400.00	10.69	12.32	5,347.16	567.95	124.03	-567.13	0.00	0.00	0.00	
5,500.00	10.69	12.32	5,445.42	586.07	127.98	-585.23	0.00	0.00	0.00	
5,600.00	10.69	12.32	5,543.69	604.20	131.94	-603.33	0.00	0.00	0.00	
5,700.00	10.69	12.32	5,641.95	622.32	135.90	-621.43	0.00	0.00	0.00	
5,800.00	10.69	12.32	5,740.22	640.45	139.86	-639.53	0.00	0.00	0.00	
5,900.00	10.69	12.32	5,838.48	658.57	143.82	-657.63	0.00	0.00	0.00	
6,000.00	10.69	12.32	5,936.74	676.70	147.78	-675.73	0.00	0.00	0.00	
6,100.00	10.69	12.32	6,035.01	694.82	151.73	-693.83	0.00	0.00	0.00	
6,200.00	10.69	12.32	6,133.27	712.95	155.69	-711.93	0.00	0.00	0.00	
6,300.00	10.69	12.32	6,231.54	731.07	159.65	-730.03	0.00	0.00	0.00	
6,400.00	10.69	12.32	6,329.80	749.20	163.61	-748.12	0.00	0.00	0.00	
6,500.00	10.69	12.32	6,428.06	767.32	167.57	-766.22	0.00	0.00	0.00	
6,600.00	10.69	12.32	6,526.33	785.45	171.52	-784.32	0.00	0.00	0.00	
6,700.00	10.69	12.32	6,624.59	803.57	175.48	-802.42	0.00	0.00	0.00	
6,800.00	10.69	12.32	6,722.86	821.70	179.44	-820.52	0.00	0.00	0.00	
6,900.00	10.69	12.32	6,821.12	839.82	183.40	-838.62	0.00	0.00	0.00	
7,000.00	10.69	12.32	6,919.38	857.95	187.36	-856.72	0.00	0.00	0.00	
7,100.00	10.69	12.32	7,017.65	876.07	191.31	-874.82	0.00	0.00	0.00	
7,200.00	10.69	12.32	7,115.91	894.20	195.27	-892.92	0.00	0.00	0.00	
7,300.00	10.69	12.32	7,214.18	912.32	199.23	-911.02	0.00	0.00	0.00	
7,400.00	10.69	12.32	7,312.44	930.45	203.19	-929.12	0.00	0.00	0.00	
7,500.00	10.69	12.32	7,410.70	948.57	207.15	-947.21	0.00	0.00	0.00	
7,600.00	10.69	12.32	7,508.97	966.70	211.10	-965.31	0.00	0.00	0.00	
7,700.00	10.69	12.32	7,607.23	984.82	215.06	-983.41	0.00	0.00	0.00	
7,800.00	10.69	12.32	7,705.50	1,002.95	219.02	-1,001.51	0.00	0.00	0.00	
7,900.00	10.69	12.32	7,803.76	1,021.07	222.98	-1,019.61	0.00	0.00	0.00	
8,000.00	10.69	12.32	7,902.02	1,039.20	226.94	-1,037.71	0.00	0.00	0.00	
8,100.00	10.69	12.32	8,000.29	1,057.32	230.90	-1,055.81	0.00	0.00	0.00	
8,200.00	10.69	12.32	8,098.55	1,075.45	234.85	-1,073.91	0.00	0.00	0.00	
8,258.01	10.69	12.32	8,155.56	1,085.96	237.15	-1,084.41	0.00	0.00	0.00	
Start Drop -2.00										
8,300.00	9.85	12.32	8,196.87	1,093.28	238.75	-1,091.71	2.00	-2.00	0.00	
8,400.00	7.85	12.32	8,295.68	1,108.31	242.03	-1,106.72	2.00	-2.00	0.00	
8,500.00	5.85	12.32	8,394.96	1,119.96	244.57	-1,118.36	2.00	-2.00	0.00	
8,600.00	3.85	12.32	8,494.59	1,128.23	246.38	-1,126.61	2.00	-2.00	0.00	
8,700.00	1.85	12.32	8,594.46	1,133.09	247.44	-1,131.47	2.00	-2.00	0.00	
8,792.59	0.00	0.00	8,687.04	1,134.55	247.76	-1,132.93	2.00	-2.00	0.00	
Start 200.00 hold at 8792.59 MD										
8,800.00	0.00	0.00	8,694.45	1,134.55	247.76	-1,132.93	0.00	0.00	0.00	
8,900.00	0.00	0.00	8,794.45	1,134.55	247.76	-1,132.93	0.00	0.00	0.00	
8,992.59	0.00	0.00	8,887.04	1,134.55	247.76	-1,132.93	0.00	0.00	0.00	
KOP: 8992.59' MD, 8887.04' TVD, 10.00' DLS										
9,000.00	0.74	179.63	8,894.45	1,134.50	247.76	-1,132.88	10.00	10.00	0.00	
9,050.00	5.74	179.63	8,944.35	1,131.68	247.78	-1,130.05	10.00	10.00	0.00	
9,100.00	10.74	179.63	8,993.82	1,124.51	247.82	-1,122.89	10.00	10.00	0.00	
9,150.00	15.74	179.63	9,042.48	1,113.06	247.90	-1,111.44	10.00	10.00	0.00	
9,200.00	20.74	179.63	9,089.95	1,097.42	248.00	-1,095.79	10.00	10.00	0.00	
9,250.00	25.74	179.63	9,135.88	1,077.70	248.13	-1,076.07	10.00	10.00	0.00	
9,300.00	30.74	179.63	9,179.91	1,054.04	248.28	-1,052.42	10.00	10.00	0.00	



Planning Report



Database:	EDM	Local Co-ordinate Reference:	Well (02) LTK 24-25 FED COM 205H
Company:	PBEX	TVD Reference:	30.5' RKB @ 3840.50usft
Project:	Lea County, NM (N83 - NME)	MD Reference:	30.5' RKB @ 3840.50usft
Site:	LTK Pad	North Reference:	Grid
Well:	(02) LTK 24-25 FED COM 205H	Survey Calculation Method:	Minimum Curvature
Wellbore:	205H		
Design:	Plan 1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
9,350.00	35.74	179.63	9,221.72	1,026.65	248.46	-1,025.02	10.00	10.00	0.00	
9,400.00	40.74	179.63	9,260.97	995.71	248.66	-994.08	10.00	10.00	0.00	
9,450.00	45.74	179.63	9,297.39	961.47	248.88	-959.84	10.00	10.00	0.00	
9,500.00	50.74	179.63	9,330.68	924.18	249.12	-922.55	10.00	10.00	0.00	
9,550.00	55.74	179.63	9,360.59	884.14	249.38	-882.51	10.00	10.00	0.00	
9,600.00	60.74	179.63	9,386.90	841.64	249.65	-840.01	10.00	10.00	0.00	
9,650.00	65.74	179.63	9,409.40	797.01	249.94	-795.38	10.00	10.00	0.00	
9,700.00	70.74	179.63	9,427.93	750.59	250.24	-748.95	10.00	10.00	0.00	
9,750.00	75.74	179.63	9,442.35	702.73	250.55	-701.09	10.00	10.00	0.00	
9,800.00	80.74	179.63	9,452.53	653.79	250.86	-652.16	10.00	10.00	0.00	
9,850.00	85.74	179.63	9,458.42	604.16	251.19	-602.52	10.00	10.00	0.00	
9,892.59	90.00	179.63	9,460.00	561.60	251.46	-559.97	10.00	10.00	0.00	
EOC: 9892.59' MD, 9460.00' TVD, -559.97' VS										
9,900.00	90.00	179.63	9,460.00	554.20	251.51	-552.56	0.00	0.00	0.00	
10,000.00	90.00	179.63	9,460.00	454.20	252.15	-452.56	0.00	0.00	0.00	
10,100.00	90.00	179.63	9,460.00	354.20	252.80	-352.56	0.00	0.00	0.00	
10,200.00	90.00	179.63	9,460.00	254.20	253.45	-252.56	0.00	0.00	0.00	
10,300.00	90.00	179.63	9,460.00	154.20	254.09	-152.56	0.00	0.00	0.00	
10,400.00	90.00	179.63	9,460.00	54.21	254.74	-52.56	0.00	0.00	0.00	
10,500.00	90.00	179.63	9,460.00	-45.79	255.38	47.44	0.00	0.00	0.00	
10,600.00	90.00	179.63	9,460.00	-145.79	256.03	147.44	0.00	0.00	0.00	
10,700.00	90.00	179.63	9,460.00	-245.79	256.67	247.44	0.00	0.00	0.00	
10,800.00	90.00	179.63	9,460.00	-345.78	257.32	347.44	0.00	0.00	0.00	
10,900.00	90.00	179.63	9,460.00	-445.78	257.97	447.44	0.00	0.00	0.00	
11,000.00	90.00	179.63	9,460.00	-545.78	258.61	547.44	0.00	0.00	0.00	
11,100.00	90.00	179.63	9,460.00	-645.78	259.26	647.44	0.00	0.00	0.00	
11,200.00	90.00	179.63	9,460.00	-745.78	259.90	747.44	0.00	0.00	0.00	
11,300.00	90.00	179.63	9,460.00	-845.77	260.55	847.44	0.00	0.00	0.00	
11,400.00	90.00	179.63	9,460.00	-945.77	261.19	947.44	0.00	0.00	0.00	
11,500.00	90.00	179.63	9,460.00	-1,045.77	261.84	1,047.44	0.00	0.00	0.00	
11,600.00	90.00	179.63	9,460.00	-1,145.77	262.49	1,147.44	0.00	0.00	0.00	
11,700.00	90.00	179.63	9,460.00	-1,245.77	263.13	1,247.44	0.00	0.00	0.00	
11,800.00	90.00	179.63	9,460.00	-1,345.76	263.78	1,347.44	0.00	0.00	0.00	
11,900.00	90.00	179.63	9,460.00	-1,445.76	264.42	1,447.44	0.00	0.00	0.00	
12,000.00	90.00	179.63	9,460.00	-1,545.76	265.07	1,547.44	0.00	0.00	0.00	
12,100.00	90.00	179.63	9,460.00	-1,645.76	265.71	1,647.44	0.00	0.00	0.00	
12,200.00	90.00	179.63	9,460.00	-1,745.76	266.36	1,747.44	0.00	0.00	0.00	
12,300.00	90.00	179.63	9,460.00	-1,845.75	267.01	1,847.44	0.00	0.00	0.00	
12,400.00	90.00	179.63	9,460.00	-1,945.75	267.65	1,947.44	0.00	0.00	0.00	
12,500.00	90.00	179.63	9,460.00	-2,045.75	268.30	2,047.44	0.00	0.00	0.00	
12,600.00	90.00	179.63	9,460.00	-2,145.75	268.94	2,147.44	0.00	0.00	0.00	
12,700.00	90.00	179.63	9,460.00	-2,245.75	269.59	2,247.44	0.00	0.00	0.00	
12,800.00	90.00	179.63	9,460.00	-2,345.74	270.24	2,347.44	0.00	0.00	0.00	
12,900.00	90.00	179.63	9,460.00	-2,445.74	270.88	2,447.44	0.00	0.00	0.00	
13,000.00	90.00	179.63	9,460.00	-2,545.74	271.53	2,547.44	0.00	0.00	0.00	
13,100.00	90.00	179.63	9,460.00	-2,645.74	272.17	2,647.44	0.00	0.00	0.00	
13,200.00	90.00	179.63	9,460.00	-2,745.73	272.82	2,747.44	0.00	0.00	0.00	
13,300.00	90.00	179.63	9,460.00	-2,845.73	273.46	2,847.44	0.00	0.00	0.00	
13,400.00	90.00	179.63	9,460.00	-2,945.73	274.11	2,947.44	0.00	0.00	0.00	
13,500.00	90.00	179.63	9,460.00	-3,045.73	274.76	3,047.44	0.00	0.00	0.00	
13,600.00	90.00	179.63	9,460.00	-3,145.73	275.40	3,147.44	0.00	0.00	0.00	
13,700.00	90.00	179.63	9,460.00	-3,245.72	276.05	3,247.44	0.00	0.00	0.00	
13,800.00	90.00	179.63	9,460.00	-3,345.72	276.69	3,347.44	0.00	0.00	0.00	
13,900.00	90.00	179.63	9,460.00	-3,445.72	277.34	3,447.44	0.00	0.00	0.00	



Planning Report



Database:	EDM	Local Co-ordinate Reference:	Well (02) LTK 24-25 FED COM 205H
Company:	PBEX	TVD Reference:	30.5' RKB @ 3840.50usft
Project:	Lea County, NM (N83 - NME)	MD Reference:	30.5' RKB @ 3840.50usft
Site:	LTK Pad	North Reference:	Grid
Well:	(02) LTK 24-25 FED COM 205H	Survey Calculation Method:	Minimum Curvature
Wellbore:	205H		
Design:	Plan 1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
14,000.00	90.00	179.63	9,460.00	-3,545.72	277.98	3,547.44	0.00	0.00	0.00	
14,100.00	90.00	179.63	9,460.00	-3,645.72	278.63	3,647.44	0.00	0.00	0.00	
14,200.00	90.00	179.63	9,460.00	-3,745.71	279.28	3,747.44	0.00	0.00	0.00	
14,300.00	90.00	179.63	9,460.00	-3,845.71	279.92	3,847.44	0.00	0.00	0.00	
14,400.00	90.00	179.63	9,460.00	-3,945.71	280.57	3,947.44	0.00	0.00	0.00	
14,500.00	90.00	179.63	9,460.00	-4,045.71	281.21	4,047.44	0.00	0.00	0.00	
14,600.00	90.00	179.63	9,460.00	-4,145.71	281.86	4,147.44	0.00	0.00	0.00	
14,700.00	90.00	179.63	9,460.00	-4,245.70	282.50	4,247.44	0.00	0.00	0.00	
14,800.00	90.00	179.63	9,460.00	-4,345.70	283.15	4,347.44	0.00	0.00	0.00	
14,900.00	90.00	179.63	9,460.00	-4,445.70	283.80	4,447.44	0.00	0.00	0.00	
15,000.00	90.00	179.63	9,460.00	-4,545.70	284.44	4,547.44	0.00	0.00	0.00	
15,100.00	90.00	179.63	9,460.00	-4,645.70	285.09	4,647.44	0.00	0.00	0.00	
15,200.00	90.00	179.63	9,460.00	-4,745.69	285.73	4,747.44	0.00	0.00	0.00	
15,300.00	90.00	179.63	9,460.00	-4,845.69	286.38	4,847.44	0.00	0.00	0.00	
15,400.00	90.00	179.63	9,460.00	-4,945.69	287.03	4,947.44	0.00	0.00	0.00	
15,500.00	90.00	179.63	9,460.00	-5,045.69	287.67	5,047.44	0.00	0.00	0.00	
15,600.00	90.00	179.63	9,460.00	-5,145.68	288.32	5,147.44	0.00	0.00	0.00	
15,700.00	90.00	179.63	9,460.00	-5,245.68	288.96	5,247.44	0.00	0.00	0.00	
15,800.00	90.00	179.63	9,460.00	-5,345.68	289.61	5,347.44	0.00	0.00	0.00	
15,900.00	90.00	179.63	9,460.00	-5,445.68	290.25	5,447.44	0.00	0.00	0.00	
16,000.00	90.00	179.63	9,460.00	-5,545.68	290.90	5,547.44	0.00	0.00	0.00	
16,100.00	90.00	179.63	9,460.00	-5,645.67	291.55	5,647.44	0.00	0.00	0.00	
16,200.00	90.00	179.63	9,460.00	-5,745.67	292.19	5,747.44	0.00	0.00	0.00	
16,300.00	90.00	179.63	9,460.00	-5,845.67	292.84	5,847.44	0.00	0.00	0.00	
16,400.00	90.00	179.63	9,460.00	-5,945.67	293.48	5,947.44	0.00	0.00	0.00	
16,500.00	90.00	179.63	9,460.00	-6,045.67	294.13	6,047.44	0.00	0.00	0.00	
16,600.00	90.00	179.63	9,460.00	-6,145.66	294.77	6,147.44	0.00	0.00	0.00	
16,700.00	90.00	179.63	9,460.00	-6,245.66	295.42	6,247.44	0.00	0.00	0.00	
16,800.00	90.00	179.63	9,460.00	-6,345.66	296.07	6,347.44	0.00	0.00	0.00	
16,900.00	90.00	179.63	9,460.00	-6,445.66	296.71	6,447.44	0.00	0.00	0.00	
17,000.00	90.00	179.63	9,460.00	-6,545.66	297.36	6,547.44	0.00	0.00	0.00	
17,100.00	90.00	179.63	9,460.00	-6,645.65	298.00	6,647.44	0.00	0.00	0.00	
17,200.00	90.00	179.63	9,460.00	-6,745.65	298.65	6,747.44	0.00	0.00	0.00	
17,300.00	90.00	179.63	9,460.00	-6,845.65	299.29	6,847.44	0.00	0.00	0.00	
17,400.00	90.00	179.63	9,460.00	-6,945.65	299.94	6,947.44	0.00	0.00	0.00	
17,500.00	90.00	179.63	9,460.00	-7,045.65	300.59	7,047.44	0.00	0.00	0.00	
17,600.00	90.00	179.63	9,460.00	-7,145.64	301.23	7,147.44	0.00	0.00	0.00	
17,700.00	90.00	179.63	9,460.00	-7,245.64	301.88	7,247.44	0.00	0.00	0.00	
17,800.00	90.00	179.63	9,460.00	-7,345.64	302.52	7,347.44	0.00	0.00	0.00	
17,900.00	90.00	179.63	9,460.00	-7,445.64	303.17	7,447.44	0.00	0.00	0.00	
18,000.00	90.00	179.63	9,460.00	-7,545.63	303.81	7,547.44	0.00	0.00	0.00	
18,100.00	90.00	179.63	9,460.00	-7,645.63	304.46	7,647.44	0.00	0.00	0.00	
18,200.00	90.00	179.63	9,460.00	-7,745.63	305.11	7,747.44	0.00	0.00	0.00	
18,300.00	90.00	179.63	9,460.00	-7,845.63	305.75	7,847.44	0.00	0.00	0.00	
18,400.00	90.00	179.63	9,460.00	-7,945.63	306.40	7,947.44	0.00	0.00	0.00	
18,500.00	90.00	179.63	9,460.00	-8,045.62	307.04	8,047.44	0.00	0.00	0.00	
18,600.00	90.00	179.63	9,460.00	-8,145.62	307.69	8,147.44	0.00	0.00	0.00	
18,700.00	90.00	179.63	9,460.00	-8,245.62	308.34	8,247.44	0.00	0.00	0.00	
18,800.00	90.00	179.63	9,460.00	-8,345.62	308.98	8,347.44	0.00	0.00	0.00	
18,900.00	90.00	179.63	9,460.00	-8,445.62	309.63	8,447.44	0.00	0.00	0.00	
19,000.00	90.00	179.63	9,460.00	-8,545.61	310.27	8,547.44	0.00	0.00	0.00	
19,100.00	90.00	179.63	9,460.00	-8,645.61	310.92	8,647.44	0.00	0.00	0.00	
19,200.00	90.00	179.63	9,460.00	-8,745.61	311.56	8,747.44	0.00	0.00	0.00	
19,300.00	90.00	179.63	9,460.00	-8,845.61	312.21	8,847.44	0.00	0.00	0.00	



Planning Report



Database:	EDM	Local Co-ordinate Reference:	Well (02) LTK 24-25 FED COM 205H
Company:	PBEX	TVD Reference:	30.5' RKB @ 3840.50usft
Project:	Lea County, NM (N83 - NME)	MD Reference:	30.5' RKB @ 3840.50usft
Site:	LTK Pad	North Reference:	Grid
Well:	(02) LTK 24-25 FED COM 205H	Survey Calculation Method:	Minimum Curvature
Wellbore:	205H		
Design:	Plan 1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
19,400.00	90.00	179.63	9,460.00	-8,945.61	312.86	8,947.44	0.00	0.00	0.00	
19,500.00	90.00	179.63	9,460.00	-9,045.60	313.50	9,047.44	0.00	0.00	0.00	
19,600.00	90.00	179.63	9,460.00	-9,145.60	314.15	9,147.44	0.00	0.00	0.00	
19,700.00	90.00	179.63	9,460.00	-9,245.60	314.79	9,247.44	0.00	0.00	0.00	
19,789.38	90.00	179.63	9,460.00	-9,334.97	315.75	9,336.81	0.00	0.00	0.00	
TD: 19789.38' MD, 9460.00' TVD, 9336.82' VS										

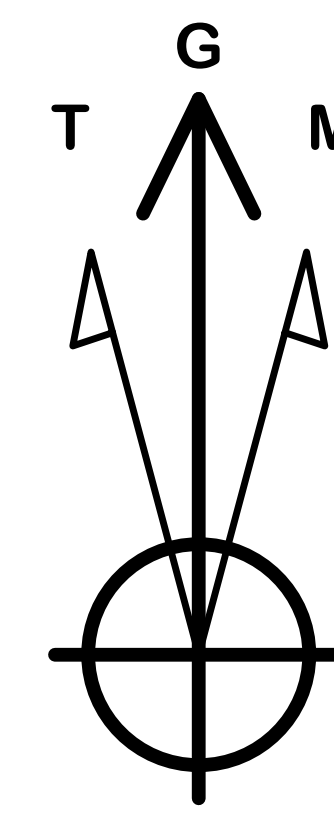
Design Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude	
LTP - v1 - (02) LTK 24-2 - hit/miss target - Shape - Point	0.00	0.00	9,460.00	-9,284.97	315.42	623,099.31	732,018.65	32.71140849	-103.71337970	- plan misses target center by 39.38usft at 19700.00usft MD (9460.00 TVD, -9245.60 N, 314.79 E)
PBHL - v1 - (02) LTK 24- - plan hits target center - Point	0.00	0.00	9,460.00	-9,334.97	315.75	623,049.31	732,018.98	32.71127105	-103.71337958	
FTP/PP1 - v1 - (02) LTK - plan misses target center by 202.79usft at 9466.49usft MD (9308.72 TVD, 949.49 N, 248.96 E) - Point	0.00	0.01	9,460.00	1,084.55	248.15	633,468.83	731,951.38	32.73991046	-103.71340120	

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Comment	
2,000.00	2,000.00	0.00	0.00	Start Build 2.00	
2,534.58	2,531.48	48.59	10.61	Start 5723.44 hold at 2534.58 MD	
8,258.01	8,155.56	1,085.96	237.15	Start Drop -2.00	
8,792.59	8,687.04	1,134.55	247.76	Start 200.00 hold at 8792.59 MD	
8,992.59	8,887.04	1,134.55	247.76	KOP: 8992.59' MD, 8887.04' TVD, 10.00' DLS	
9,892.59	9,460.00	561.60	251.46	EOC: 9892.59' MD, 9460.00' TVD, -559.97' VS	
19,789.38	9,460.00	-9,334.97	315.75	TD: 19789.38' MD, 9460.00' TVD, 9336.82' VS	



Site: LTK Pad
Well: (02) LTK 24-25 FED COM 205H
Wellbore: 205H
Plan: Plan 1

PROJECT DETAILS: Lea County, NM (N83 - NME)
Well Name: (02) LTK 24-25 FED COM 205H
Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: New Mexico Eastern Zone
System Datum: Mean Sea Level
Local North: Grid
KB Elevation: 30.5' RKB @ 3840.50usft
Elevation: 3810.00
To convert a Magnetic Direction to a Grid Direction, Add 5.958°



Azimuths to Grid North
True North: -0.33°
Magnetic North: 5.96°

Magnetic Field
Strength: 47216.0nT
Dip Angle: 60.17°
Date: 3/23/2026
Model: IGRF2025



WELL DETAILS: (02) LTK 24-25 FED COM 205H

Northing	Easting	Latitude	Longitude
632384.28	731703.23	32.73693355	-103.71422882

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
FTP/PP1 - v1 - (02) LTK 24-25 FED COM 205H	9460.00	1084.55	248.15	633468.83	731951.38	32.73991047	-103.71340120
LTP - v1 - (02) LTK 24-25 FED COM 205H	9460.00	-9284.97	315.42	623099.31	732018.65	32.71140849	-103.71337970
PBHL - v1 - (02) LTK 24-25 FED COM 205H	9460.00	-9334.97	315.75	623049.31	732018.98	32.71127105	-103.71337958

SECTION DETAILS

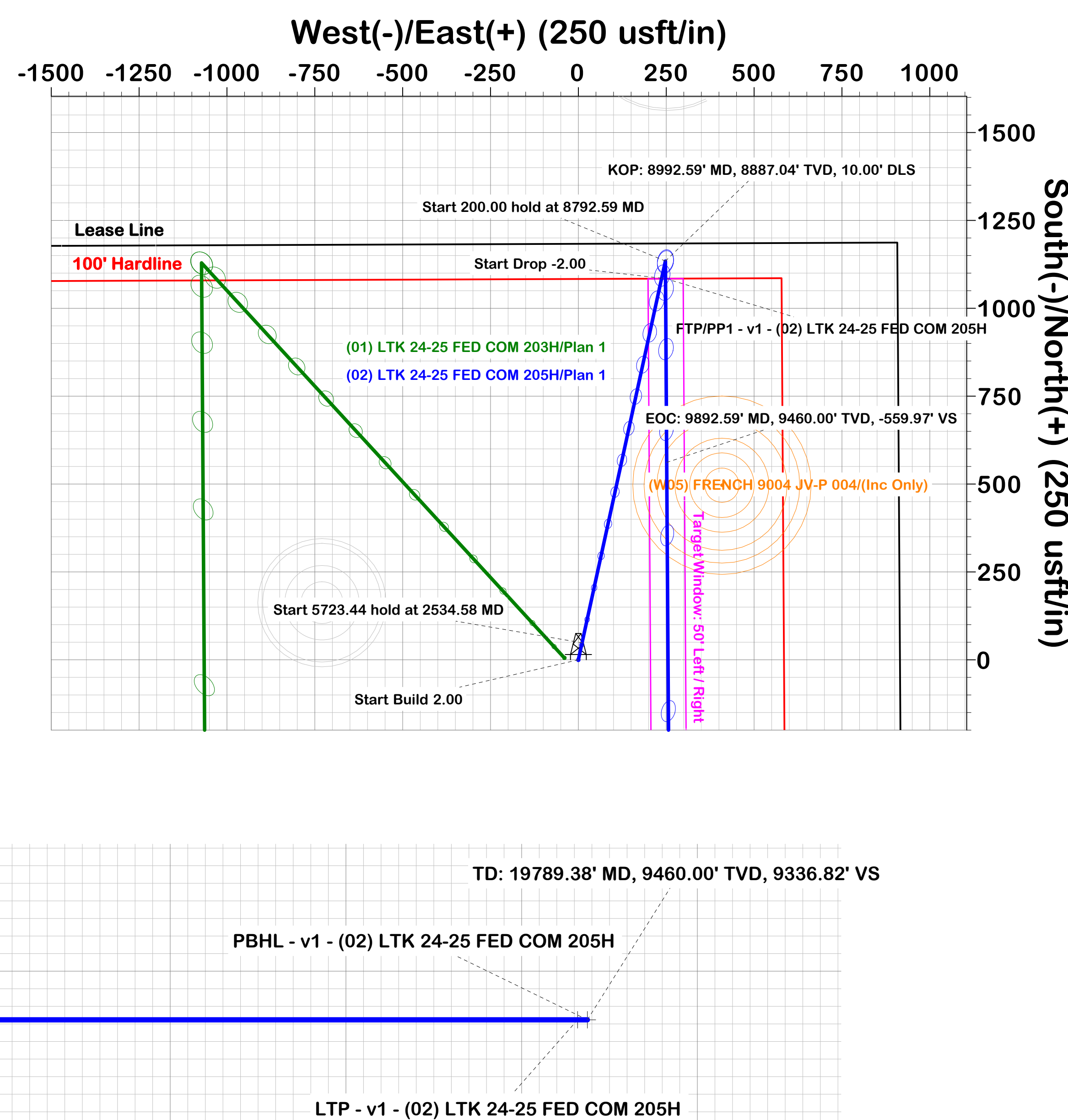
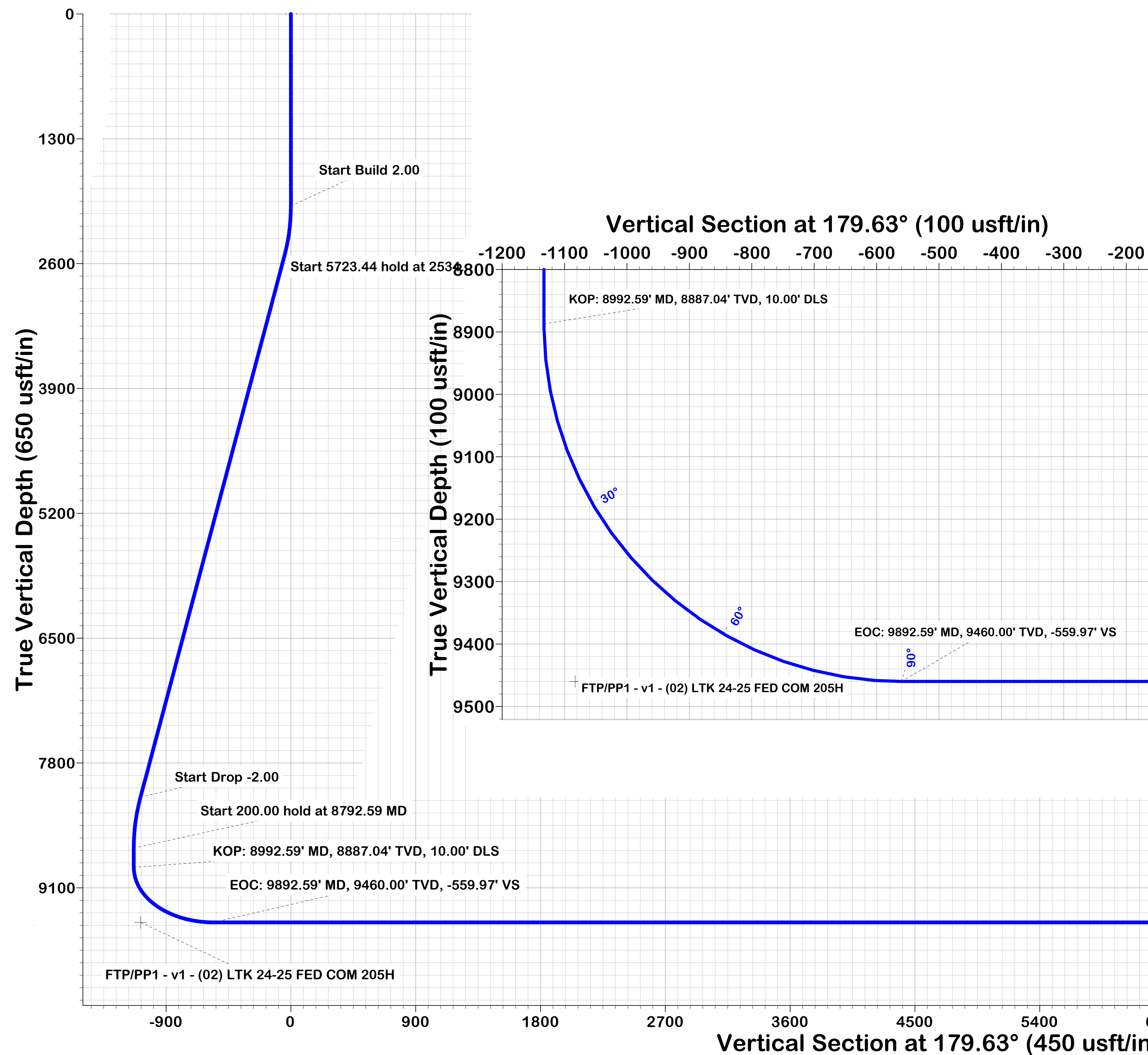
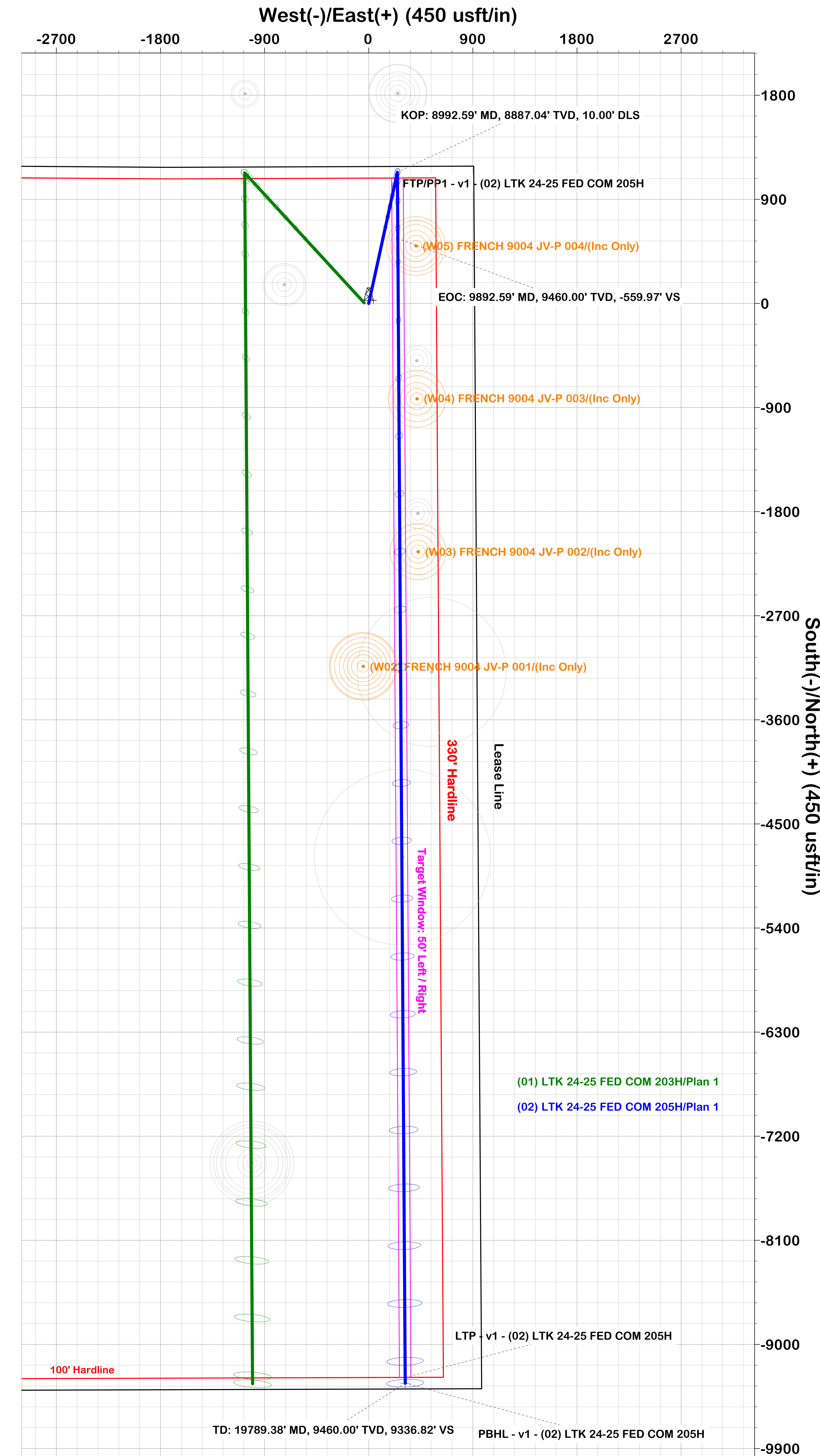
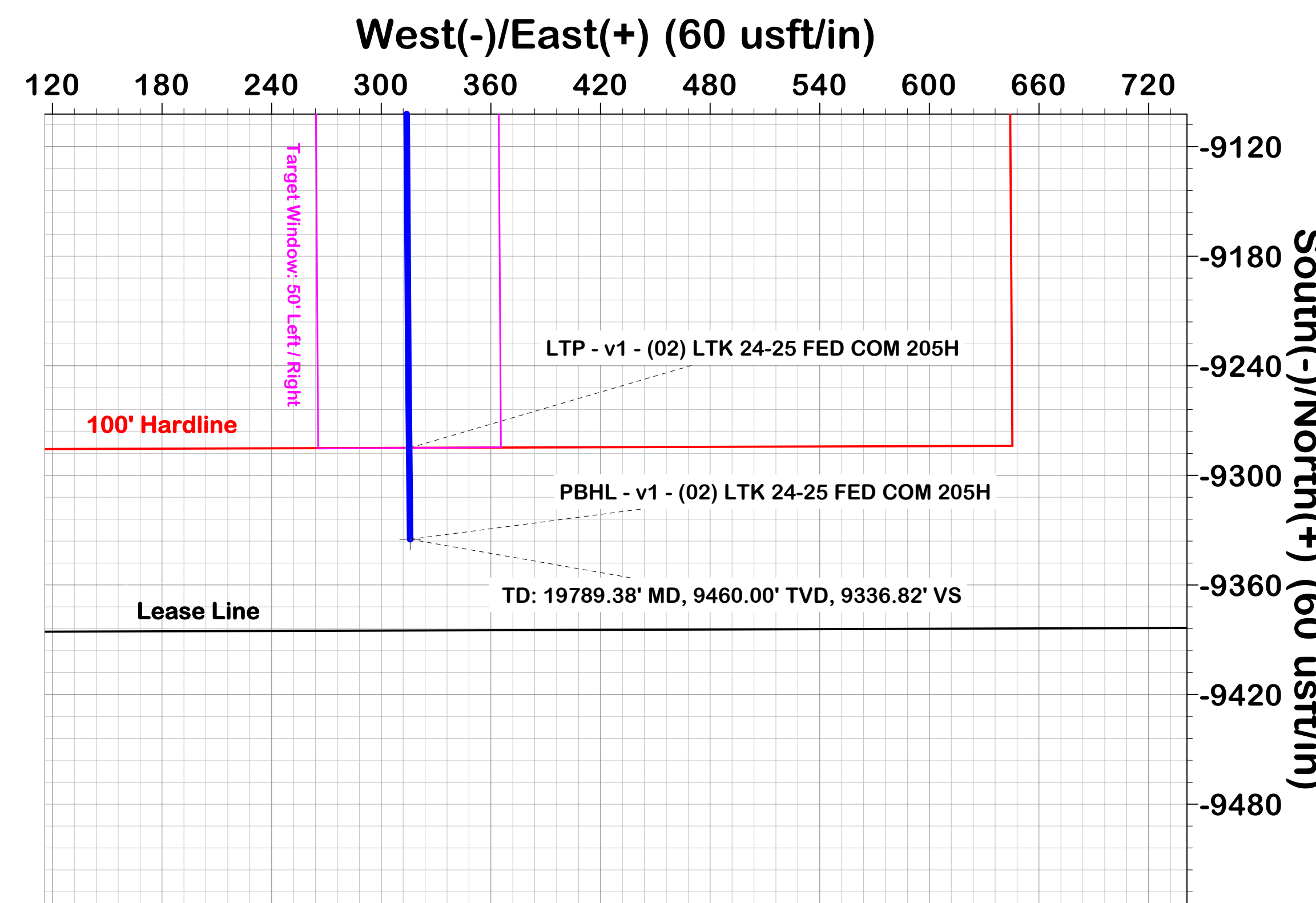
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.00
2	2000.00	0.00	0.00	2000.00	0.00	0.00	0.00	0.000	0.00
3	2534.58	10.69	12.32	2531.48	48.59	10.61	2.00	12.319	-48.52
4	8258.01	10.69	12.32	8155.56	1085.96	237.15	0.00	0.000	-1084.41
5	8792.59	0.00	0.00	8687.04	1134.55	247.76	2.00	180.000	-1132.93
6	8992.59	0.00	0.00	8887.04	1134.55	247.76	0.00	0.000	-1132.93
7	9892.59	90.00	179.63	9460.00	561.60	251.46	10.00	179.630	-559.97
8	19789.38	90.00	179.63	9460.00	-9334.97	315.75	0.00	0.000	9336.81

Well Color Legend

- Current Plan
- Pad Offset Plans
- Pad Dixon Surveys
- Offset AC Concern
- Offset NO AC Concern

FORMATION TOP DETAILS

No formation data is available



Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 572031

CONDITIONS

Operator: PBEX Operations, LLC 223 West Wall Street Midland, TX 79701	OGRID: 332544
	Action Number: 572031
	Action Type: [C-103A] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
jeffrey.harrison	All previous COA's not addressed within the updated COA's still apply.	4/30/2026
jeffrey.harrison	If cement does not circulate to surface on any string, a Cement Bond Log (CBL) is required for that string of casing. If strata isolation is not achieved, remediation will be required before further operations may commence.	4/30/2026
jeffrey.harrison	All conducted logs must be submitted to the OCD.	4/30/2026
jeffrey.harrison	Cement must be in place for at least eight hours AND achieve a minimum compressive strength of 500 PSI before performing any further operations on the well.	4/30/2026