

Well Name: BELL LAKE UNIT SOUTH	Well Location: T24S / R34E / SEC 6 / SENW / 32.2469143 / -103.5131413	County or Parish/State: LEA / NM
Well Number: 208H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMLC100594, NMNM100594	Unit or CA Name: BELL LAKE	Unit or CA Number: NMNM068292X, NMNM68292X
US Well Number: 3002545860	Well Status: Producing Oil Well	Operator: KAISER FRANCIS OIL COMPANY

Notice of Intent

Sundry ID: 1338532

Type of Submission: Notice of Intent	Type of Action: APD Change
Date Sundry Submitted: 01/29/2021	Time Sundry Submitted: 08:20
Date proposed operation will begin: 01/18/2021	

Procedure Description: Kaiser-Francis Oil Company request to change the SHL for the following well on the Bell Lake Unit South Pad 6 Located in section 6-24S-34E Bell Lake Unit South 208H API #30-025-45860 Approved SHL 2520 FNL 1355 FWL 6-24S-34E Lea County New Mexico. Proposed SHL 2487 FNL 1555 FWL 6-24S-34E Lea County New Mexico

NOI Attachments

- Procedure Description
- BLUS_PAD_6_C102_20210128153557.pdf
 - Kaiser_SHL_Sundry_6_24S_34E_20210128153546.docx

Well Name: BELL LAKE UNIT SOUTH	Well Location: T24S / R34E / SEC 6 / SENW / 32.2469143 / -103.5131413	County or Parish/State: LEA / NM
Well Number: 208H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMLC100594, NMNM100594	Unit or CA Name: BELL LAKE	Unit or CA Number: NMNM068292X, NMNM68292X
US Well Number: 3002545860	Well Status: Producing Oil Well	Operator: KAISER FRANCIS OIL COMPANY

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: ERIC HANSEN	Signed on: JAN 29, 2021 08:20 AM
Name: KAISER FRANCIS OIL COMPANY	
Title: Drilling Engineer	
Street Address: 6733 S. Yale Ave.	
City: Tulsa	State: OK
Phone: (918) 491-4339	
Email address: EricH@kfoc.net	

Field

Representative Name:		
Street Address:		
City:	State:	Zip:
Phone:		
Email address:		

BLM Point of Contact

BLM POC Name: CHRISTOPHER WALLS	BLM POC Title: Petroleum Engineer
BLM POC Phone: 5752342234	BLM POC Email Address: cwalls@blm.gov
Disposition: Approved	Disposition Date: 02/25/2021
Signature: Chris Walls	

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720

District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

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

Form C-102
Revised August 1,
2011
Submit one copy to appropriate
District Office
☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-45860	² Pool Code 98264	³ Pool Name Bell Lake; Bone Spring, South
⁴ Property Code 316707	⁵ Property Name BELL LAKE UNIT SOUTH	⁶ Well Number 208H
⁷ OGRID No. 12361	⁸ Operator Name KAISER-FRANCIS OIL CO.	⁹ Elevation 3615.9

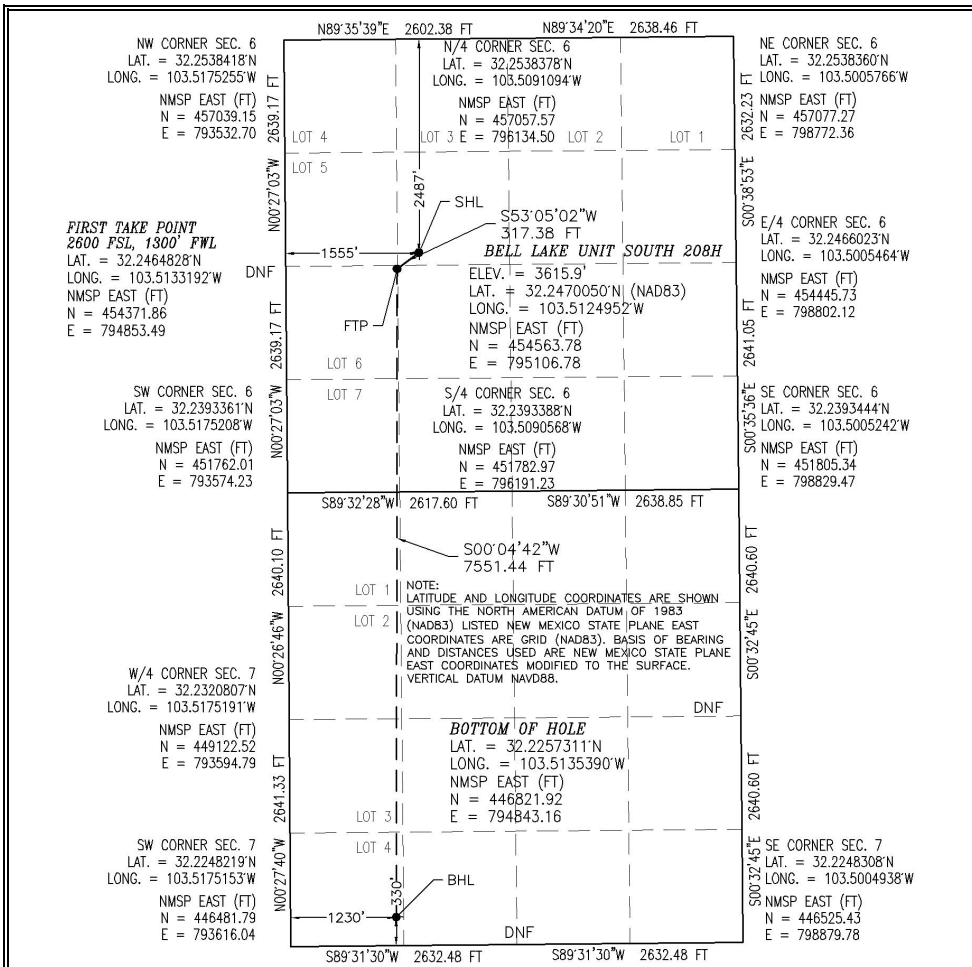
¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	6	24 S	34 E		2487	NORTH	1555	WEST	LEA

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
4	7	24 S	34 E		330	SOUTH	1230	WEST	LEA
¹² Dedicated Acres 480	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No. R-14600						

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.

¹⁷ OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Christina Opfer

9/27/22

Signature

Date

Christina Opfer

Printed Name

ChristinaO@kfoc.net

E-mail Address

¹⁸ SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

JANUARY 6, 2021

Date of Survey

Signature and Seal of Professional Surveyor:

Certificate Number: 4111001, JCS 12797
SURVEY NO. 5935B

Intent ☒ As Drilled ☐

API # 30-025-45860		
Operator Name: KAISER-FRANCIS OIL CO.	Property Name: BELL LAKE UNIT SOUTH	Well Number 208H

Kick Off Point (KOP)

UL F	Section 6	Township 24S	Range 34E	Lot	Feet 2487	From N/S NORTH	Feet 1555	From E/W WEST	County LEA
Latitude 32.2470050					Longitude 103.5124952			NAD 83	

First Take Point (FTP)

UL	Section 6	Township 24S	Range 34E	Lot 6	Feet 2600	From N/S SOUTH	Feet 1300	From E/W WEST	County LEA
Latitude 32.2464828					Longitude 103.5133192			NAD 83	

Last Take Point (LTP)

UL	Section 7	Township 24S	Range 34E	Lot 4	Feet 330	From N/S SOUTH	Feet 1230	From E/W WEST	County LEA
Latitude 32.2257311					Longitude 103.5135390			NAD 83	

Is this well the defining well for the Horizontal Spacing Unit? ☐Is this well an infill well? ☒

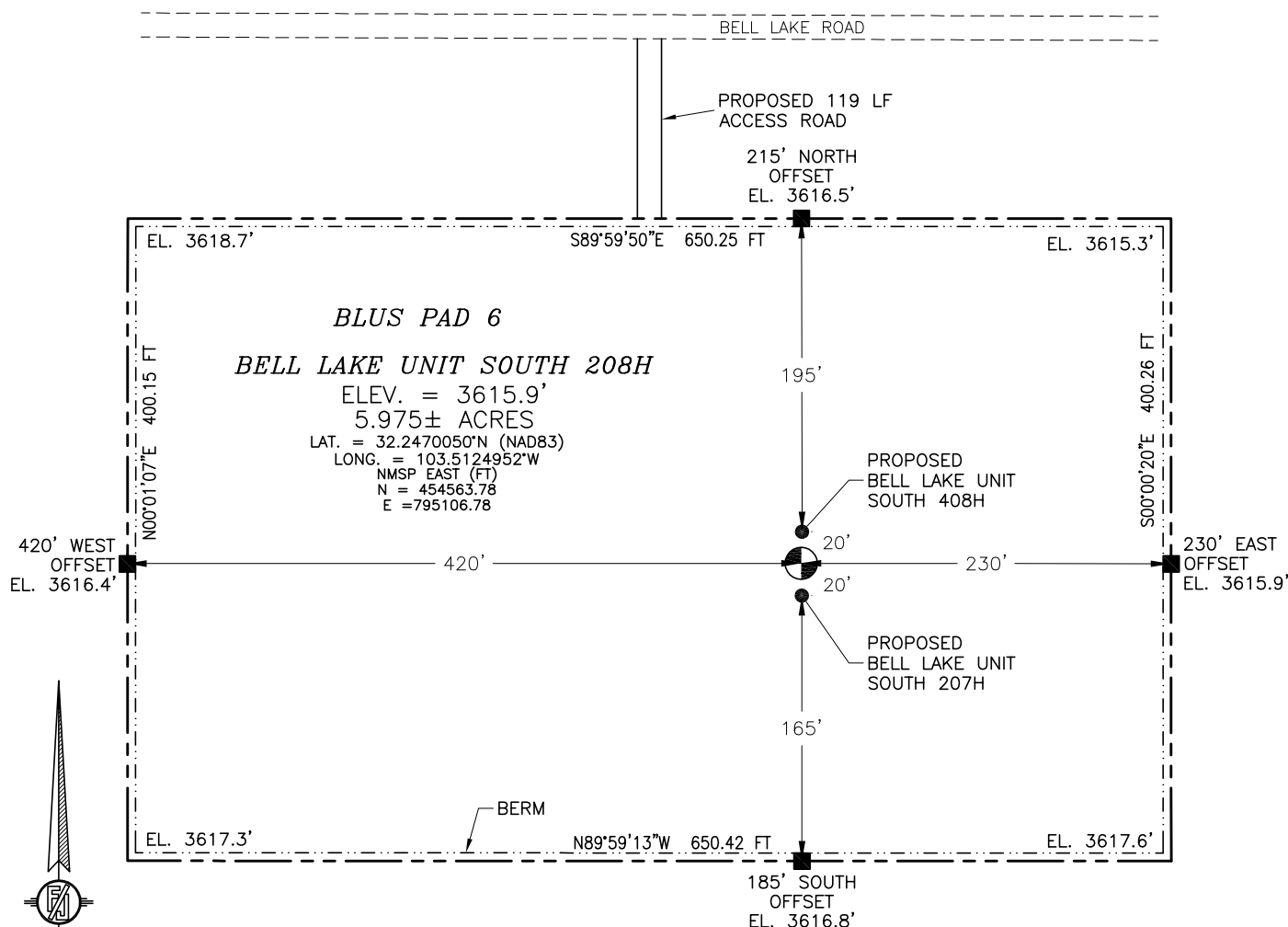
If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API # 30-025-45908		
Operator Name: Kaiser-Francis Oil Company	Property Name: Bell Lake Unit South	Well Number 207H

KZ 06/29/2018

SECTION 6, TOWNSHIP 24 SOUTH, RANGE 34 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO
SITE MAP NOTE: LATITUDE AND LONGITUDE COORDINATES ARE SHOWN US

NOTE: LATITUDE AND LONGITUDE COORDINATES ARE SHOWN USING THE NORTH AMERICAN DATUM OF 1983 (NAD83) LISTED NEW MEXICO STATE PLANE EAST COORDINATES ARE GRID (NAD83). BASIS OF BEARING AND DISTANCES USED ARE NEW MEXICO STATE PLANE EAST COORDINATES MODIFIED TO THE SURFACE. ELEVATION VALUES ARE NAVD88.



010 50 100 200

SCALE 1" = 100'

DIRECTIONS TO LOCATION

FROM STATE HIGHWAY 128 AND CR 21 (DELAWARE BASIN ROAD) GO NORTH ON CR 21 2.6 MILES, TURN LEFT ON BELL LAKE ROAD AND GO WEST 0.1 OF A MILE TO A ROAD SURVEY AND FOLLOW FLAGS SOUTH 119' TO THE NORTH EDGE OF PAD FOR THIS LOCATION.

I, FILMON F. JARAMILLO, A NEW MEXICO REGISTERED PROFESSIONAL SURVEYOR CERTIFY THAT I DIRECTED AND AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND THIS SURVEY DID NOT MEET THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO.

KAISER-FRANCIS OIL CO.
BELL LAKE UNIT SOUTH 208H
 LOCATED 2487 FT. FROM THE NORTH LINE
 AND 1555 FT. FROM THE WEST LINE OF
 SECTION 6, TOWNSHIP 24 SOUTH,
 RANGE 34 EAST, N.M.P.M.
 LEA COUNTY, STATE OF NEW MEXICO

JANUARY 6, 2021

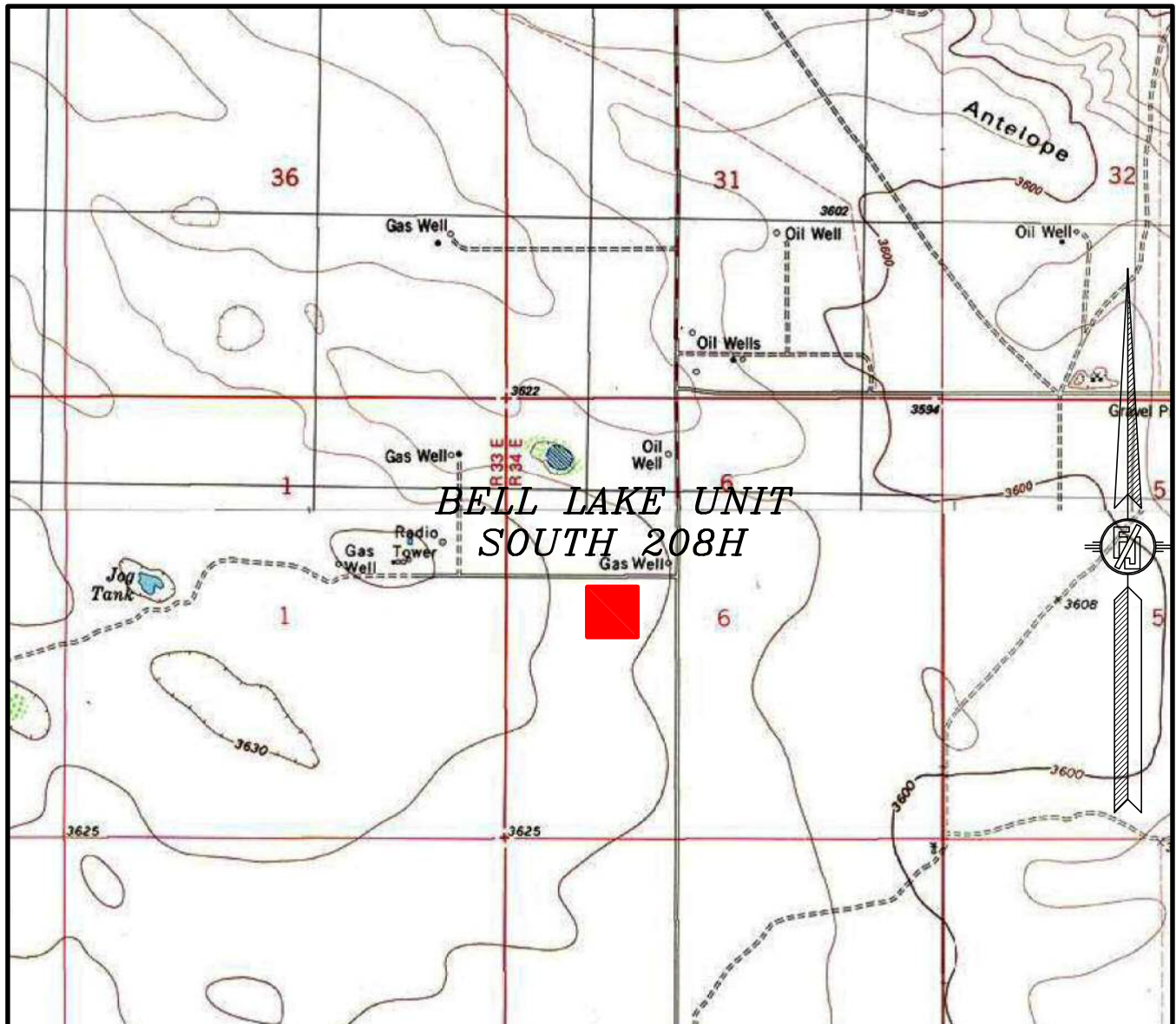
SURVEY NO. 5935B

MADRON SURVEYING, INC.

301 SOUTH CANAL
(575) 234-3341

CARLSBAD, NEW MEXICO

SECTION 6, TOWNSHIP 24 SOUTH, RANGE 34 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO
LOCATION VERIFICATION MAP



USGS/4UAD MAP:
BELL LAKE

NOT TO SCALE

KAISER-FRANCIS OIL CO.
BELL LAKE UNIT SOUTH 208H
LOCATED 2487 FT. FROM THE NORTH LINE
AND 1555 FT. FROM THE WEST LINE OF
SECTION 6, TOWNSHIP 24 SOUTH,
RANGE 34 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO

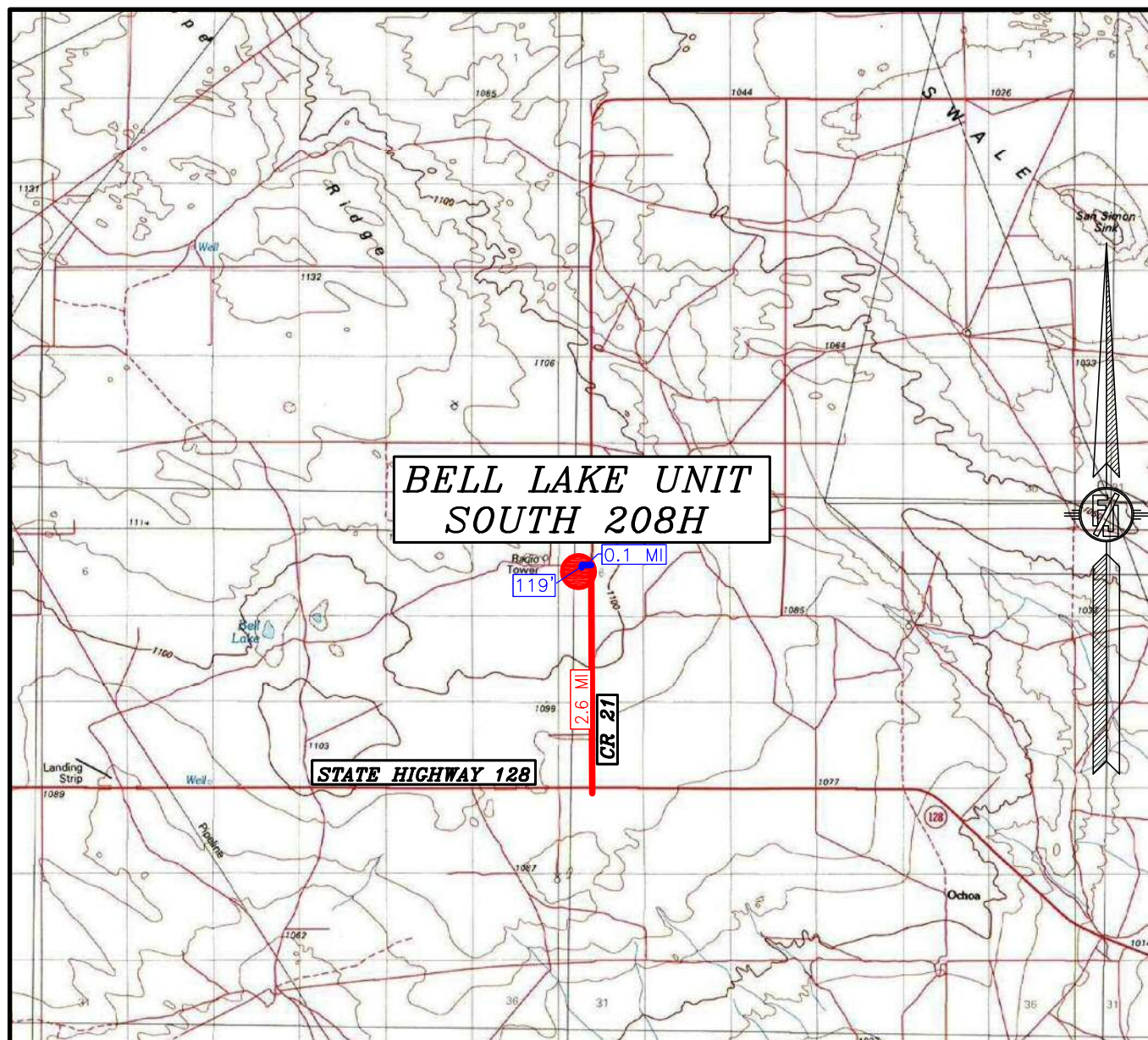
JANUARY 6, 2021

MADRON SURVEYING, INC.

301 SOUTH CANAL
(575) 234-3341

SURVEY NO. 5935B
CARLSBAD, NEW MEXICO

SECTION 6, TOWNSHIP 24 SOUTH, RANGE 34 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO
VICINITY MAP



DISTANCES IN MILES

NOT TO SCALE

DIRECTIONS TO LOCATION

DIRECTIONS TO LOCATION
FROM STATE HIGHWAY 128 AND CR 21 (DELAWARE BASIN ROAD) GO NORTH ON CR 21 2.6 MILES, TURN LEFT ON BELL LAKE ROAD AND GO WEST 0.1 OF A MILE TO A ROAD SURVEY AND FOLLOW FLAGS SOUTH 119' TO THE NORTH EDGE OF PAD FOR THIS LOCATION.

KAISER-FRANCIS OIL CO.
BELL LAKE UNIT SOUTH 208H
 LOCATED 2487 FT. FROM THE NORTH LINE
 AND 1555 FT. FROM THE WEST LINE OF
 SECTION 6, TOWNSHIP 24 SOUTH,
 RANGE 34 EAST, N.M.P.M.
 LEA COUNTY, STATE OF NEW MEXICO

JANUARY 6, 2021

MADRON SURVEYING, INC.

301 SOUTH CANAL
(575) 234-3341

SURVEY NO. 5935B
CARLSBAD, NEW MEXICO

SECTION 6, TOWNSHIP 24 SOUTH, RANGE 34 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO
AERIAL PHOTO



NOT TO SCALE
AERIAL PHOTO:
GOOGLE EARTH
NOVEMBER 2017

KAISER-FRANCIS OIL CO.
BELL LAKE UNIT SOUTH 208H
LOCATED 2487 FT. FROM THE NORTH LINE
AND 1555 FT. FROM THE WEST LINE OF
SECTION 6, TOWNSHIP 24 SOUTH,
RANGE 34 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO

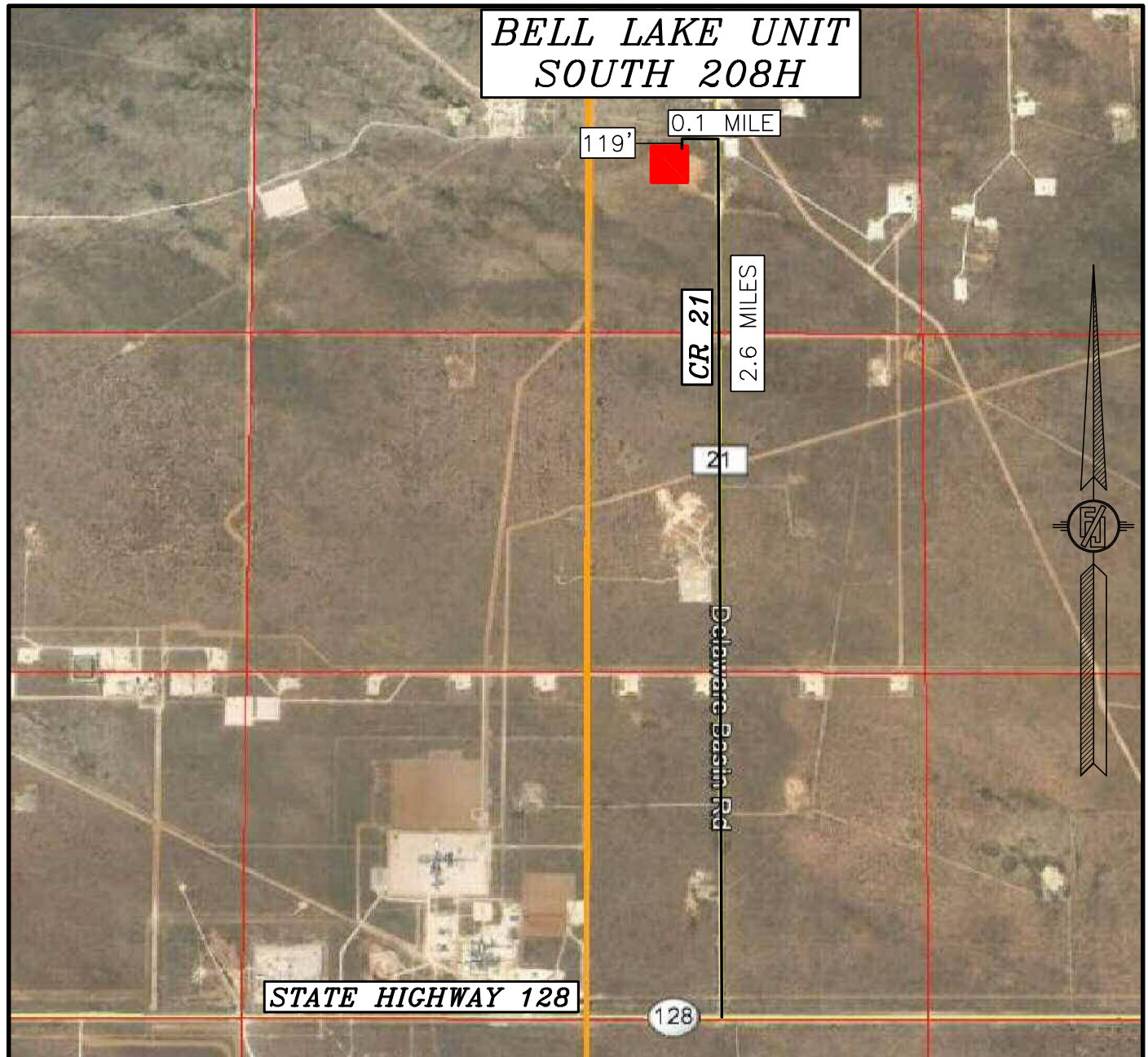
JANUARY 6, 2021

MADRON SURVEYING, INC.

301 SOUTH CANAL
(575) 234-3341

SURVEY NO. 5935B
CARLSBAD, NEW MEXICO

SECTION 6, TOWNSHIP 24 SOUTH, RANGE 34 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO
ACCESS AERIAL ROUTE MAP



NOT TO SCALE
AERIAL PHOTO:
GOOGLE EARTH
NOVEMBER 2017

KAISER-FRANCIS OIL CO.
BELL LAKE UNIT SOUTH 208H
LOCATED 2487 FT. FROM THE NORTH LINE
AND 1555 FT. FROM THE WEST LINE OF
SECTION 6, TOWNSHIP 24 SOUTH,
RANGE 34 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO

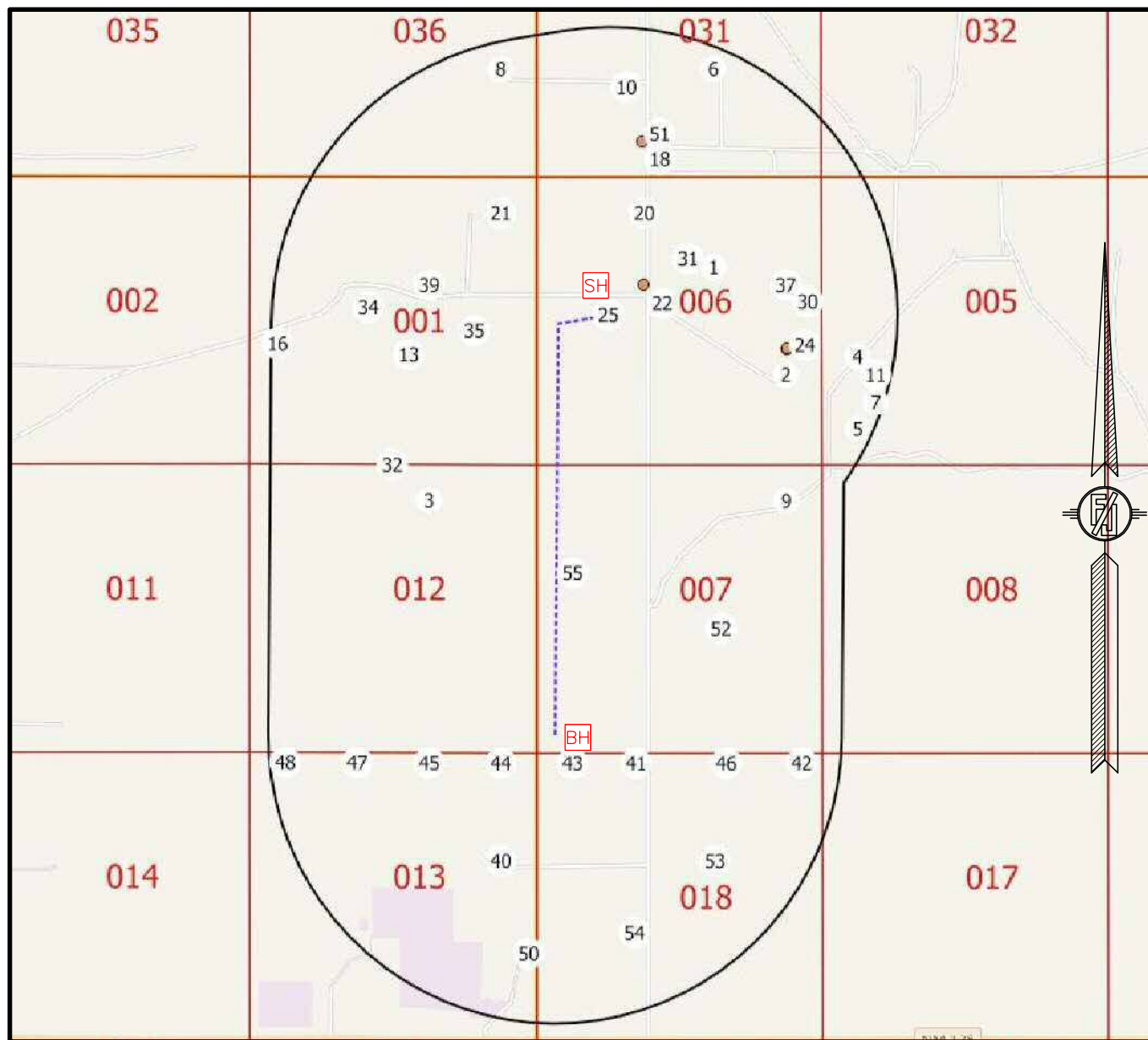
JANUARY 6, 2021

MADRON SURVEYING, INC.

301 SOUTH CANAL
(575) 234-3341

SURVEY NO. 5935B
CARLSBAD, NEW MEXICO

1-MILE MAP



NOT TO SCALE

- [SH] SURFACE LOCATION
 [BH] BOTTOM OF HOLE
 (XX) WELLS WITHIN 1 MILE
 - - - - - WELL PATH
 _____ 1-MILE BOUNDARY

KAISER-FRANCIS OIL CO.
BELL LAKE UNIT SOUTH 208H
 LOCATED 2487 FT. FROM THE NORTH LINE
 AND 1555 FT. FROM THE WEST LINE OF
 SECTION 6, TOWNSHIP 24 SOUTH,
 RANGE 34 EAST, N.M.P.M.
 LEA COUNTY, STATE OF NEW MEXICO

JANUARY 6, 2021

SURVEY NO. 5935B

MADRON SURVEYING, INC. 301 SOUTH CANAL

(575) 234-3341

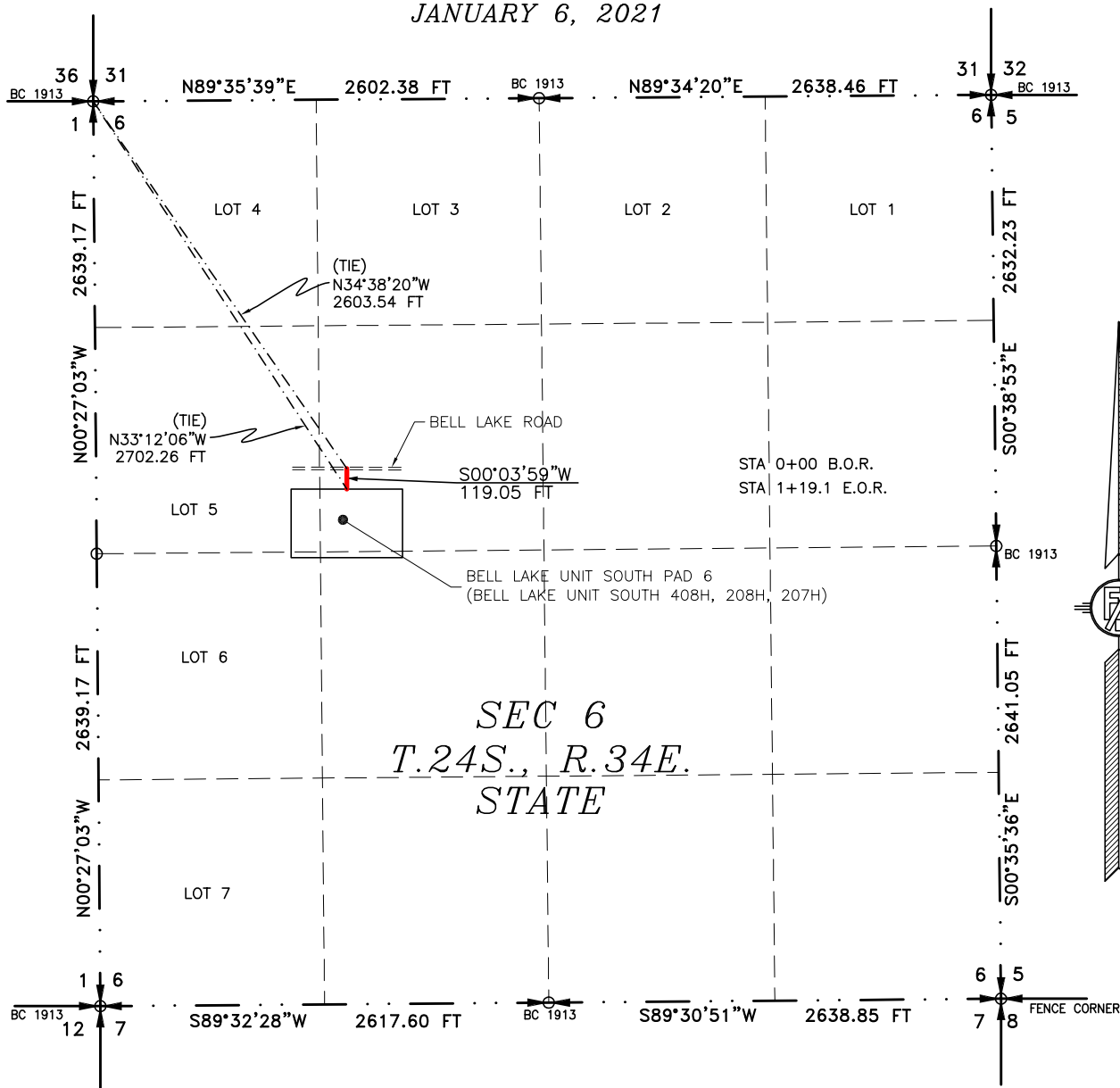
CARLSBAD, NEW MEXICO

ACCESS ROAD PLAT

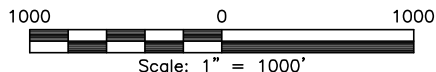
ACCESS ROAD TO THE BELL LAKE UNIT SOUTH PAD 6
(BELL LAKE UNIT SOUTH 408H, 208H, 207H)

KAISER-FRANCIS OIL CO.

CENTERLINE SURVEY OF AN ACCESS ROAD CROSSING
SECTION 6, TOWNSHIP 24 SOUTH, RANGE 34 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO
JANUARY 6, 2021



SEE NEXT SHEET (2-2) FOR DESCRIPTION

**GENERAL NOTES**

- 1.) THE INTENT OF THIS ROUTE SURVEY IS TO ACQUIRE AN EASEMENT.
- 2.) BASIS OF BEARING AND DISTANCE IS NMSP EAST (NAD83) MODIFIED TO SURFACE COORDINATES. NAD 83 (FEET) AND NAVD 88 (FEET) COORDINATE SYSTEMS USED IN THE SURVEY.

SHEET: 1-2

MADRON SURVEYING, INC. 301 SOUTH CANAL CARLSBAD, NEW MEXICO (575) 234-3341

SURVEYOR CERTIFICATE

I, FILIMON F. JARAMILLO, A NEW MEXICO PROFESSIONAL SURVEYOR NO. 12797, HEREBY CERTIFY THAT I HAVE CONDUCTED AND AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND THAT THIS SURVEY AND PLAT MEET THE MINIMUM STANDARDS FOR LAND SURVEYING IN THE STATE OF NEW MEXICO.

IN WITNESS WHEREOF, THIS CERTIFICATE IS EXECUTED AT CARLSBAD,

NEW MEXICO, THIS 8 DAY OF JANUARY 2021

FILIMON F. JARAMILLO PLS. 12797

MADRON SURVEYING, INC.
301 SOUTH CANAL
CARLSBAD, NEW MEXICO 88220
Phone (575) 234-3341

SURVEY NO. 5935B

ACCESS ROAD PLAT

ACCESS ROAD TO THE BELL LAKE UNIT SOUTH PAD 6
(BELL LAKE UNIT SOUTH 408H, 208H, 207H)

KAISER-FRANCIS OIL CO.
CENTERLINE SURVEY OF AN ACCESS ROAD CROSSING
SECTION 6, TOWNSHIP 24 SOUTH, RANGE 34 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO
JANUARY 6, 2021

DESCRIPTION

A STRIP OF LAND 30 FEET WIDE CROSSING STATE OF NEW MEXICO LAND IN SECTION 6, TOWNSHIP 24 SOUTH, RANGE 34 EAST, N.M.P.M., LEA COUNTY, STATE OF NEW MEXICO AND BEING 15 FEET EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE SURVEY:

BEGINNING AT A POINT WITHIN THE SE/4 NW/4 OF SAID SECTION 6, TOWNSHIP 24 SOUTH, RANGE 34 EAST, N.M.P.M., WHENCE THE NORTHWEST CORNER OF SAID SECTION 6, TOWNSHIP 24 SOUTH, RANGE 34 EAST, N.M.P.M. BEARS N34°38'20"W, A DISTANCE OF 2603.54 FEET;

THENCE S00°03'59"W A DISTANCE OF 119.05 FEET THE TERMINUS OF THIS CENTERLINE SURVEY, WHENCE THE NORTHWEST CORNER OF SAID SECTION 6, TOWNSHIP 24 SOUTH, RANGE 34 EAST, N.M.P.M. BEARS N33°12'06"W, A DISTANCE OF 2702.26 FEET;

SAID STRIP OF LAND BEING 119.05 FEET OR 7.22 RODS IN LENGTH, CONTAINING 0.082 ACRES MORE OR LESS AND BEING ALLOCATED BY FORTIES AS FOLLOWS:

SE/4 NW/4 119.05 L.F. 7.22 RODS 0.082 ACRES

GENERAL NOTES

1.) THE INTENT OF THIS ROUTE SURVEY IS TO ACQUIRE AN EASEMENT.

2.) BASIS OF BEARING AND DISTANCE IS NMSP EAST (NAD83) MODIFIED TO SURFACE COORDINATES. NAD 83 (FEET) AND NAVD 88 (FEET) COORDINATE SYSTEMS USED IN THE SURVEY.

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IN WITNESS WHEREOF, THIS CERTIFICATE IS EXECUTED AT CARLSBAD, NEW MEXICO, THIS 8 DAY OF JANUARY 2021

FILIMON F. JARAMILLO PLS 12797

MADRON SURVEYING, INC.
301 SOUTH CANAL
CARLSBAD, NEW MEXICO 88220
Phone (575) 234-3341

SURVEY NO. 5935B

SHEET: 2-2

MADRON SURVEYING, INC. 301 SOUTH CANAL CARLSBAD, NEW MEXICO (575) 234-3341

Kaiser-Francis Oil Company

Kaiser-Francis Oil Company

Lea Co., NM (NAD-27)

Bell Lake Unit South

Bell Lake Unit South 208H

OH

Plan: Plan #2

Standard Planning Report

11 January, 2021



Kaiser-Francis Oil Company

Project: Lea Co., NM (NAD-27)
 Site: Bell Lake Unit South
 Well: Bell Lake Unit South 208H
 Wellbore: OH
 Design: Plan #2
 Lat: 32.246881
 Long: -103.512017
 GL: 3615.00
 KB: KB=23' @ 3638.00usft (Cactus 166)



WELL DETAILS: Bell Lake Unit South 208H

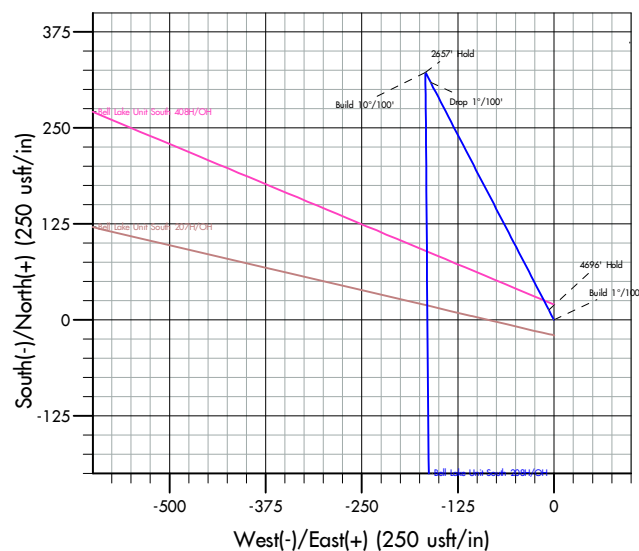
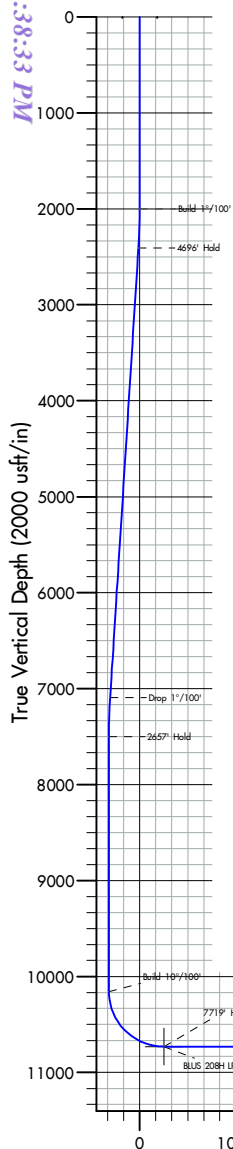
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	454504.79	753922.93	32.246881	-103.512017

WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
BLUS 208H LP P2	10730.00	-250.62	-162.63	454254.17	753760.30	Point
BLUS 208H PBHL P2	10730.00	-7970.24	-102.01	446534.55	753820.92	Point

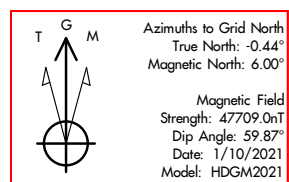
SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Annotation
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2000.00	0.00	0.00	2000.00	0.00	0.00	0.00	0.00	0.00	Build 1°/100'
2407.85	4.08	332.59	2407.50	12.88	-6.68	1.00	332.59	-12.79	4696' Hold
7104.74	4.08	332.59	7092.50	309.44	-160.45	0.00	0.00	-307.36	Drop 1°/100'
7512.58	0.00	179.55	7500.00	322.32	-167.13	1.00	180.00	-320.15	2657' Hold
10169.63	0.00	179.55	10157.04	322.32	-167.13	0.00	0.00	-320.15	Build 10°/100'
11069.63	90.00	179.55	10730.00	-250.62	-162.63	10.00	0.00	252.68	7719' Hold
18789.48	90.00	179.55	10730.00	-7970.24	-102.01	0.00	0.00	7970.89	TD at 18789.48



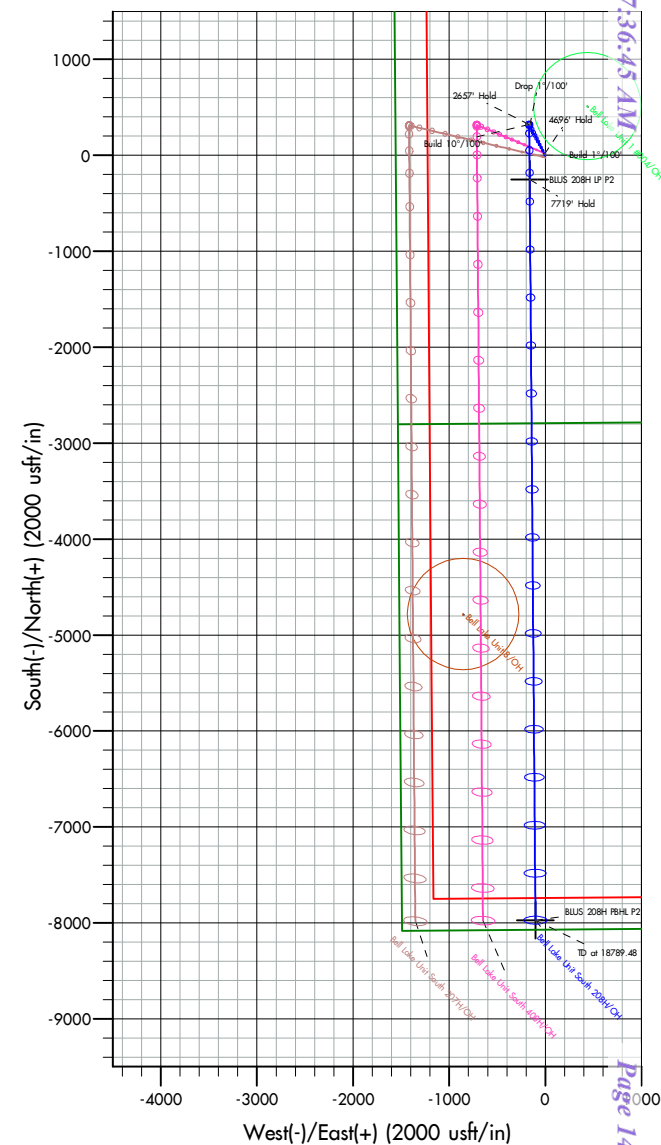
Bell Lake Unit South 208H
 SHL: 2487' FNL & 1555'
 FWL
 BHL: 100' FSL & 1390' FWL

330' FNL Hard Line
 330' FSL Hard Line
 330' FWL Hard Line
 330' FWL Hard Line



CASING DETAILS

TVD	MD	Size
1500.00	1500.00	13-3/8
5192.58	5200.00	9-5/8



Plan: Plan #2 (Bell Lake Unit South 208H/OH)

Created By: Dusty Moyer

Date: 12-08 January 11 2021

Altitude Energy Partners

Planning Report



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Bell Lake Unit South 208H
Company:	Kaiser-Francis Oil Company	TVD Reference:	KB=23' @ 3638.00usft (Cactus 166)
Project:	Lea Co., NM (NAD-27)	MD Reference:	KB=23' @ 3638.00usft (Cactus 166)
Site:	Bell Lake Unit South	North Reference:	Grid
Well:	Bell Lake Unit South 208H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #2		

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

Site	Bell Lake Unit South					
Site Position:		Northing:	454,484.67	usft	Latitude:	32.246826
From:	Map	Easting:	753,923.29	usft	Longitude:	-103.512017
Position Uncertainty:		0.00	usft	Slot Radius:	13-3/16	"

Well	Bell Lake Unit South 208H					
Well Position	+N/-S	0.00 usft	Northing:	454,504.79 usft	Latitude:	32.246881
	+E/-W	0.00 usft	Easting:	753,922.93 usft	Longitude:	-103.512017
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,615.00 usft
Grid Convergence:		0.44 °				

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM2021	1/10/2021	6.43	59.87	47,709.00000000

Design	Plan #2				
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	180.73	

Plan Survey Tool Program	Date	1/11/2021			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.00	18,789.48 Plan #2 (OH)	MWD+HDGM		
			OWSG MWD + HDGM		

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	0.00	
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,407.85	4.08	332.59	2,407.50	12.88	-6.68	1.00	1.00	0.00	332.59	
7,104.74	4.08	332.59	7,092.50	309.44	-160.45	0.00	0.00	0.00	0.00	
7,512.58	0.00	179.55	7,500.00	322.32	-167.13	1.00	-1.00	0.00	180.00	
10,169.63	0.00	179.55	10,157.04	322.32	-167.13	0.00	0.00	0.00	0.00	
11,069.63	90.00	179.55	10,730.00	-250.62	-162.63	10.00	10.00	0.00	0.00	BLUS 208H LP P2
18,789.48	90.00	179.55	10,730.00	-7,970.24	-102.01	0.00	0.00	0.00	0.00	BLUS 208H PBHL P2

Altitude Energy Partners

Planning Report



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Bell Lake Unit South 208H
Company:	Kaiser-Francis Oil Company	TVD Reference:	KB=23' @ 3638.00usft (Cactus 166)
Project:	Lea Co., NM (NAD-27)	MD Reference:	KB=23' @ 3638.00usft (Cactus 166)
Site:	Bell Lake Unit South	North Reference:	Grid
Well:	Bell Lake Unit South 208H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #2		

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
13 3/8"									
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
Build 1°/100'									
2,100.00	1.00	332.59	2,099.99	0.77	-0.40	-0.77	1.00	1.00	0.00
2,200.00	2.00	332.59	2,199.96	3.10	-1.61	-3.08	1.00	1.00	0.00
2,300.00	3.00	332.59	2,299.86	6.97	-3.61	-6.92	1.00	1.00	0.00
2,407.85	4.08	332.59	2,407.50	12.88	-6.68	-12.79	1.00	1.00	0.00
4696' Hold									
2,500.00	4.08	332.59	2,499.42	18.70	-9.70	-18.57	0.00	0.00	0.00
2,600.00	4.08	332.59	2,599.17	25.01	-12.97	-24.85	0.00	0.00	0.00
2,700.00	4.08	332.59	2,698.92	31.33	-16.24	-31.12	0.00	0.00	0.00
2,800.00	4.08	332.59	2,798.66	37.64	-19.52	-37.39	0.00	0.00	0.00
2,900.00	4.08	332.59	2,898.41	43.96	-22.79	-43.66	0.00	0.00	0.00
3,000.00	4.08	332.59	2,998.16	50.27	-26.07	-49.93	0.00	0.00	0.00
3,100.00	4.08	332.59	3,097.90	56.58	-29.34	-56.20	0.00	0.00	0.00
3,200.00	4.08	332.59	3,197.65	62.90	-32.61	-62.47	0.00	0.00	0.00
3,300.00	4.08	332.59	3,297.40	69.21	-35.89	-68.75	0.00	0.00	0.00
3,400.00	4.08	332.59	3,397.14	75.52	-39.16	-75.02	0.00	0.00	0.00
3,500.00	4.08	332.59	3,496.89	81.84	-42.43	-81.29	0.00	0.00	0.00
3,600.00	4.08	332.59	3,596.64	88.15	-45.71	-87.56	0.00	0.00	0.00
3,700.00	4.08	332.59	3,696.38	94.47	-48.98	-93.83	0.00	0.00	0.00
3,800.00	4.08	332.59	3,796.13	100.78	-52.26	-100.10	0.00	0.00	0.00
3,900.00	4.08	332.59	3,895.88	107.09	-55.53	-106.38	0.00	0.00	0.00
4,000.00	4.08	332.59	3,995.62	113.41	-58.80	-112.65	0.00	0.00	0.00
4,100.00	4.08	332.59	4,095.37	119.72	-62.08	-118.92	0.00	0.00	0.00
4,200.00	4.08	332.59	4,195.12	126.04	-65.35	-125.19	0.00	0.00	0.00
4,300.00	4.08	332.59	4,294.86	132.35	-68.63	-131.46	0.00	0.00	0.00
4,400.00	4.08	332.59	4,394.61	138.66	-71.90	-137.73	0.00	0.00	0.00
4,500.00	4.08	332.59	4,494.36	144.98	-75.17	-144.00	0.00	0.00	0.00
4,600.00	4.08	332.59	4,594.10	151.29	-78.45	-150.28	0.00	0.00	0.00
4,700.00	4.08	332.59	4,693.85	157.61	-81.72	-156.55	0.00	0.00	0.00
4,800.00	4.08	332.59	4,793.60	163.92	-85.00	-162.82	0.00	0.00	0.00
4,900.00	4.08	332.59	4,893.34	170.23	-88.27	-169.09	0.00	0.00	0.00

Altitude Energy Partners

Planning Report



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Bell Lake Unit South 208H
Company:	Kaiser-Francis Oil Company	TVD Reference:	KB=23' @ 3638.00usft (Cactus 166)
Project:	Lea Co., NM (NAD-27)	MD Reference:	KB=23' @ 3638.00usft (Cactus 166)
Site:	Bell Lake Unit South	North Reference:	Grid
Well:	Bell Lake Unit South 208H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #2		

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	4.08	332.59	4,993.09	176.55	-91.54	-175.36	0.00	0.00	0.00
5,100.00	4.08	332.59	5,092.84	182.86	-94.82	-181.63	0.00	0.00	0.00
5,200.00	4.08	332.59	5,192.58	189.18	-98.09	-187.90	0.00	0.00	0.00
9 5/8"									
5,300.00	4.08	332.59	5,292.33	195.49	-101.36	-194.18	0.00	0.00	0.00
5,400.00	4.08	332.59	5,392.08	201.80	-104.64	-200.45	0.00	0.00	0.00
5,500.00	4.08	332.59	5,491.83	208.12	-107.91	-206.72	0.00	0.00	0.00
5,600.00	4.08	332.59	5,591.57	214.43	-111.19	-212.99	0.00	0.00	0.00
5,700.00	4.08	332.59	5,691.32	220.75	-114.46	-219.26	0.00	0.00	0.00
5,800.00	4.08	332.59	5,791.07	227.06	-117.73	-225.53	0.00	0.00	0.00
5,900.00	4.08	332.59	5,890.81	233.37	-121.01	-231.81	0.00	0.00	0.00
6,000.00	4.08	332.59	5,990.56	239.69	-124.28	-238.08	0.00	0.00	0.00
6,100.00	4.08	332.59	6,090.31	246.00	-127.56	-244.35	0.00	0.00	0.00
6,200.00	4.08	332.59	6,190.05	252.31	-130.83	-250.62	0.00	0.00	0.00
6,300.00	4.08	332.59	6,289.80	258.63	-134.10	-256.89	0.00	0.00	0.00
6,400.00	4.08	332.59	6,389.55	264.94	-137.38	-263.16	0.00	0.00	0.00
6,500.00	4.08	332.59	6,489.29	271.26	-140.65	-269.43	0.00	0.00	0.00
6,600.00	4.08	332.59	6,589.04	277.57	-143.93	-275.71	0.00	0.00	0.00
6,700.00	4.08	332.59	6,688.79	283.88	-147.20	-281.98	0.00	0.00	0.00
6,800.00	4.08	332.59	6,788.53	290.20	-150.47	-288.25	0.00	0.00	0.00
6,900.00	4.08	332.59	6,888.28	296.51	-153.75	-294.52	0.00	0.00	0.00
7,000.00	4.08	332.59	6,988.03	302.83	-157.02	-300.79	0.00	0.00	0.00
7,104.74	4.08	332.59	7,092.50	309.44	-160.45	-307.36	0.00	0.00	0.00
Drop 1°/100'									
7,200.00	3.13	332.59	7,187.57	314.75	-163.21	-312.64	1.00	-1.00	0.00
7,300.00	2.13	332.59	7,287.47	318.82	-165.31	-316.68	1.00	-1.00	0.00
7,400.00	1.13	332.59	7,387.42	321.34	-166.62	-319.18	1.00	-1.00	0.00
7,500.00	0.13	332.59	7,487.42	322.31	-167.12	-320.14	1.00	-1.00	0.00
7,512.58	0.00	0.00	7,500.00	322.32	-167.13	-320.15	1.00	-1.00	0.00
2657' Hold									
7,600.00	0.00	0.00	7,587.42	322.32	-167.13	-320.15	0.00	0.00	0.00
7,700.00	0.00	0.00	7,687.42	322.32	-167.13	-320.15	0.00	0.00	0.00
7,800.00	0.00	0.00	7,787.42	322.32	-167.13	-320.15	0.00	0.00	0.00
7,900.00	0.00	0.00	7,887.42	322.32	-167.13	-320.15	0.00	0.00	0.00
8,000.00	0.00	0.00	7,987.42	322.32	-167.13	-320.15	0.00	0.00	0.00
8,100.00	0.00	0.00	8,087.42	322.32	-167.13	-320.15	0.00	0.00	0.00
8,200.00	0.00	0.00	8,187.42	322.32	-167.13	-320.15	0.00	0.00	0.00
8,300.00	0.00	0.00	8,287.42	322.32	-167.13	-320.15	0.00	0.00	0.00
8,400.00	0.00	0.00	8,387.42	322.32	-167.13	-320.15	0.00	0.00	0.00
8,500.00	0.00	0.00	8,487.42	322.32	-167.13	-320.15	0.00	0.00	0.00
8,600.00	0.00	0.00	8,587.42	322.32	-167.13	-320.15	0.00	0.00	0.00
8,700.00	0.00	0.00	8,687.42	322.32	-167.13	-320.15	0.00	0.00	0.00
8,800.00	0.00	0.00	8,787.42	322.32	-167.13	-320.15	0.00	0.00	0.00
8,900.00	0.00	0.00	8,887.42	322.32	-167.13	-320.15	0.00	0.00	0.00
9,000.00	0.00	0.00	8,987.42	322.32	-167.13	-320.15	0.00	0.00	0.00
9,100.00	0.00	0.00	9,087.42	322.32	-167.13	-320.15	0.00	0.00	0.00
9,200.00	0.00	0.00	9,187.42	322.32	-167.13	-320.15	0.00	0.00	0.00
9,300.00	0.00	0.00	9,287.42	322.32	-167.13	-320.15	0.00	0.00	0.00
9,400.00	0.00	0.00	9,387.42	322.32	-167.13	-320.15	0.00	0.00	0.00
9,500.00	0.00	0.00	9,487.42	322.32	-167.13	-320.15	0.00	0.00	0.00
9,600.00	0.00	0.00	9,587.42	322.32	-167.13	-320.15	0.00	0.00	0.00
9,700.00	0.00	0.00	9,687.42	322.32	-167.13	-320.15	0.00	0.00	0.00
9,800.00	0.00	0.00	9,787.42	322.32	-167.13	-320.15	0.00	0.00	0.00

Altitude Energy Partners

Planning Report



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Bell Lake Unit South 208H
Company:	Kaiser-Francis Oil Company	TVD Reference:	KB=23' @ 3638.00usft (Cactus 166)
Project:	Lea Co., NM (NAD-27)	MD Reference:	KB=23' @ 3638.00usft (Cactus 166)
Site:	Bell Lake Unit South	North Reference:	Grid
Well:	Bell Lake Unit South 208H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #2		

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)
9,900.00	0.00	0.00	9,887.42	322.32	-167.13	-320.15	0.00	0.00	0.00
10,000.00	0.00	0.00	9,987.42	322.32	-167.13	-320.15	0.00	0.00	0.00
10,100.00	0.00	0.00	10,087.42	322.32	-167.13	-320.15	0.00	0.00	0.00
10,169.63	0.00	0.00	10,157.04	322.32	-167.13	-320.15	0.00	0.00	0.00
Build 10°/100'									
10,200.00	3.04	179.55	10,187.40	321.52	-167.12	-319.35	10.00	10.00	0.00
10,250.00	8.04	179.55	10,237.15	316.69	-167.08	-314.53	10.00	10.00	0.00
10,300.00	13.04	179.55	10,286.29	307.55	-167.01	-305.39	10.00	10.00	0.00
10,350.00	18.04	179.55	10,334.45	294.16	-166.91	-292.00	10.00	10.00	0.00
10,400.00	23.04	179.55	10,381.26	276.63	-166.77	-274.47	10.00	10.00	0.00
10,450.00	28.04	179.55	10,426.36	255.08	-166.60	-252.93	10.00	10.00	0.00
10,500.00	33.04	179.55	10,469.41	229.68	-166.40	-227.54	10.00	10.00	0.00
10,550.00	38.04	179.55	10,510.09	200.63	-166.17	-198.49	10.00	10.00	0.00
10,600.00	43.04	179.55	10,548.07	168.15	-165.92	-166.01	10.00	10.00	0.00
10,650.00	48.04	179.55	10,583.08	132.47	-165.64	-130.34	10.00	10.00	0.00
10,700.00	53.04	179.55	10,614.85	93.88	-165.34	-91.76	10.00	10.00	0.00
10,750.00	58.04	179.55	10,643.14	52.67	-165.01	-50.56	10.00	10.00	0.00
10,800.00	63.04	179.55	10,667.72	9.16	-164.67	-7.05	10.00	10.00	0.00
10,850.00	68.04	179.55	10,688.42	-36.34	-164.31	38.44	10.00	10.00	0.00
10,900.00	73.04	179.55	10,705.07	-83.47	-163.94	85.56	10.00	10.00	0.00
10,950.00	78.04	179.55	10,717.56	-131.87	-163.56	133.95	10.00	10.00	0.00
11,000.00	83.04	179.55	10,725.78	-181.17	-163.18	183.24	10.00	10.00	0.00
11,050.00	88.04	179.55	10,729.66	-231.00	-162.78	233.06	10.00	10.00	0.00
11,069.63	90.00	179.55	10,730.00	-250.62	-162.63	252.68	10.00	10.00	0.00
7719' Hold									
11,100.00	90.00	179.55	10,730.00	-280.99	-162.39	283.05	0.00	0.00	0.00
11,200.00	90.00	179.55	10,730.00	-380.99	-161.61	383.03	0.00	0.00	0.00
11,300.00	90.00	179.55	10,730.00	-480.99	-160.82	483.01	0.00	0.00	0.00
11,400.00	90.00	179.55	10,730.00	-580.98	-160.04	582.98	0.00	0.00	0.00
11,500.00	90.00	179.55	10,730.00	-680.98	-159.25	682.96	0.00	0.00	0.00
11,600.00	90.00	179.55	10,730.00	-780.98	-158.47	782.94	0.00	0.00	0.00
11,700.00	90.00	179.55	10,730.00	-880.98	-157.68	882.92	0.00	0.00	0.00
11,800.00	90.00	179.55	10,730.00	-980.97	-156.89	982.90	0.00	0.00	0.00
11,900.00	90.00	179.55	10,730.00	-1,080.97	-156.11	1,082.88	0.00	0.00	0.00
12,000.00	90.00	179.55	10,730.00	-1,180.97	-155.32	1,182.86	0.00	0.00	0.00
12,100.00	90.00	179.55	10,730.00	-1,280.96	-154.54	1,282.84	0.00	0.00	0.00
12,200.00	90.00	179.55	10,730.00	-1,380.96	-153.75	1,382.81	0.00	0.00	0.00
12,300.00	90.00	179.55	10,730.00	-1,480.96	-152.97	1,482.79	0.00	0.00	0.00
12,400.00	90.00	179.55	10,730.00	-1,580.95	-152.18	1,582.77	0.00	0.00	0.00
12,500.00	90.00	179.55	10,730.00	-1,680.95	-151.40	1,682.75	0.00	0.00	0.00
12,600.00	90.00	179.55	10,730.00	-1,780.95	-150.61	1,782.73	0.00	0.00	0.00
12,700.00	90.00	179.55	10,730.00	-1,880.94	-149.83	1,882.71	0.00	0.00	0.00
12,800.00	90.00	179.55	10,730.00	-1,980.94	-149.04	1,982.69	0.00	0.00	0.00
12,900.00	90.00	179.55	10,730.00	-2,080.94	-148.26	2,082.67	0.00	0.00	0.00
13,000.00	90.00	179.55	10,730.00	-2,180.94	-147.47	2,182.64	0.00	0.00	0.00
13,100.00	90.00	179.55	10,730.00	-2,280.93	-146.69	2,282.62	0.00	0.00	0.00
13,200.00	90.00	179.55	10,730.00	-2,380.93	-145.90	2,382.60	0.00	0.00	0.00
13,300.00	90.00	179.55	10,730.00	-2,480.93	-145.12	2,482.58	0.00	0.00	0.00
13,400.00	90.00	179.55	10,730.00	-2,580.92	-144.33	2,582.56	0.00	0.00	0.00
13,500.00	90.00	179.55	10,730.00	-2,680.92	-143.55	2,682.54	0.00	0.00	0.00
13,600.00	90.00	179.55	10,730.00	-2,780.92	-142.76	2,782.52	0.00	0.00	0.00
13,700.00	90.00	179.55	10,730.00	-2,880.91	-141.98	2,882.49	0.00	0.00	0.00
13,800.00	90.00	179.55	10,730.00	-2,980.91	-141.19	2,982.47	0.00	0.00	0.00
13,900.00	90.00	179.55	10,730.00	-3,080.91	-140.40	3,082.45	0.00	0.00	0.00

Altitude Energy Partners

Planning Report



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Bell Lake Unit South 208H
Company:	Kaiser-Francis Oil Company	TVD Reference:	KB=23' @ 3638.00usft (Cactus 166)
Project:	Lea Co., NM (NAD-27)	MD Reference:	KB=23' @ 3638.00usft (Cactus 166)
Site:	Bell Lake Unit South	North Reference:	Grid
Well:	Bell Lake Unit South 208H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #2		

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	179.55	10,730.00	-3,180.90	-139.62	3,182.43	0.00	0.00	0.00	
14,100.00	90.00	179.55	10,730.00	-3,280.90	-138.83	3,282.41	0.00	0.00	0.00	
14,200.00	90.00	179.55	10,730.00	-3,380.90	-138.05	3,382.39	0.00	0.00	0.00	
14,300.00	90.00	179.55	10,730.00	-3,480.90	-137.26	3,482.37	0.00	0.00	0.00	
14,400.00	90.00	179.55	10,730.00	-3,580.89	-136.48	3,582.35	0.00	0.00	0.00	
14,500.00	90.00	179.55	10,730.00	-3,680.89	-135.69	3,682.32	0.00	0.00	0.00	
14,600.00	90.00	179.55	10,730.00	-3,780.89	-134.91	3,782.30	0.00	0.00	0.00	
14,700.00	90.00	179.55	10,730.00	-3,880.88	-134.12	3,882.28	0.00	0.00	0.00	
14,800.00	90.00	179.55	10,730.00	-3,980.88	-133.34	3,982.26	0.00	0.00	0.00	
14,900.00	90.00	179.55	10,730.00	-4,080.88	-132.55	4,082.24	0.00	0.00	0.00	
15,000.00	90.00	179.55	10,730.00	-4,180.87	-131.77	4,182.22	0.00	0.00	0.00	
15,100.00	90.00	179.55	10,730.00	-4,280.87	-130.98	4,282.20	0.00	0.00	0.00	
15,200.00	90.00	179.55	10,730.00	-4,380.87	-130.20	4,382.17	0.00	0.00	0.00	
15,300.00	90.00	179.55	10,730.00	-4,480.86	-129.41	4,482.15	0.00	0.00	0.00	
15,400.00	90.00	179.55	10,730.00	-4,580.86	-128.63	4,582.13	0.00	0.00	0.00	
15,500.00	90.00	179.55	10,730.00	-4,680.86	-127.84	4,682.11	0.00	0.00	0.00	
15,600.00	90.00	179.55	10,730.00	-4,780.86	-127.06	4,782.09	0.00	0.00	0.00	
15,700.00	90.00	179.55	10,730.00	-4,880.85	-126.27	4,882.07	0.00	0.00	0.00	
15,800.00	90.00	179.55	10,730.00	-4,980.85	-125.48	4,982.05	0.00	0.00	0.00	
15,900.00	90.00	179.55	10,730.00	-5,080.85	-124.70	5,082.03	0.00	0.00	0.00	
16,000.00	90.00	179.55	10,730.00	-5,180.84	-123.91	5,182.00	0.00	0.00	0.00	
16,100.00	90.00	179.55	10,730.00	-5,280.84	-123.13	5,281.98	0.00	0.00	0.00	
16,200.00	90.00	179.55	10,730.00	-5,380.84	-122.34	5,381.96	0.00	0.00	0.00	
16,300.00	90.00	179.55	10,730.00	-5,480.83	-121.56	5,481.94	0.00	0.00	0.00	
16,400.00	90.00	179.55	10,730.00	-5,580.83	-120.77	5,581.92	0.00	0.00	0.00	
16,500.00	90.00	179.55	10,730.00	-5,680.83	-119.99	5,681.90	0.00	0.00	0.00	
16,600.00	90.00	179.55	10,730.00	-5,780.82	-119.20	5,781.88	0.00	0.00	0.00	
16,700.00	90.00	179.55	10,730.00	-5,880.82	-118.42	5,881.86	0.00	0.00	0.00	
16,800.00	90.00	179.55	10,730.00	-5,980.82	-117.63	5,981.83	0.00	0.00	0.00	
16,900.00	90.00	179.55	10,730.00	-6,080.81	-116.85	6,081.81	0.00	0.00	0.00	
17,000.00	90.00	179.55	10,730.00	-6,180.81	-116.06	6,181.79	0.00	0.00	0.00	
17,100.00	90.00	179.55	10,730.00	-6,280.81	-115.28	6,281.77	0.00	0.00	0.00	
17,200.00	90.00	179.55	10,730.00	-6,380.81	-114.49	6,381.75	0.00	0.00	0.00	
17,300.00	90.00	179.55	10,730.00	-6,480.80	-113.71	6,481.73	0.00	0.00	0.00	
17,400.00	90.00	179.55	10,730.00	-6,580.80	-112.92	6,581.71	0.00	0.00	0.00	
17,500.00	90.00	179.55	10,730.00	-6,680.80	-112.14	6,681.68	0.00	0.00	0.00	
17,600.00	90.00	179.55	10,730.00	-6,780.79	-111.35	6,781.66	0.00	0.00	0.00	
17,700.00	90.00	179.55	10,730.00	-6,880.79	-110.57	6,881.64	0.00	0.00	0.00	
17,800.00	90.00	179.55	10,730.00	-6,980.79	-109.78	6,981.62	0.00	0.00	0.00	
17,900.00	90.00	179.55	10,730.00	-7,080.78	-108.99	7,081.60	0.00	0.00	0.00	
18,000.00	90.00	179.55	10,730.00	-7,180.78	-108.21	7,181.58	0.00	0.00	0.00	
18,100.00	90.00	179.55	10,730.00	-7,280.78	-107.42	7,281.56	0.00	0.00	0.00	
18,200.00	90.00	179.55	10,730.00	-7,380.77	-106.64	7,381.54	0.00	0.00	0.00	
18,300.00	90.00	179.55	10,730.00	-7,480.77	-105.85	7,481.51	0.00	0.00	0.00	
18,400.00	90.00	179.55	10,730.00	-7,580.77	-105.07	7,581.49	0.00	0.00	0.00	
18,500.00	90.00	179.55	10,730.00	-7,680.77	-104.28	7,681.47	0.00	0.00	0.00	
18,600.00	90.00	179.55	10,730.00	-7,780.76	-103.50	7,781.45	0.00	0.00	0.00	
18,700.00	90.00	179.55	10,730.00	-7,880.76	-102.71	7,881.43	0.00	0.00	0.00	
18,789.48	90.00	179.55	10,730.00	-7,970.24	-102.01	7,970.89	0.00	0.00	0.00	
TD at 18789.48										

Altitude Energy Partners

Planning Report



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Bell Lake Unit South 208H
Company:	Kaiser-Francis Oil Company	TVD Reference:	KB=23' @ 3638.00usft (Cactus 166)
Project:	Lea Co., NM (NAD-27)	MD Reference:	KB=23' @ 3638.00usft (Cactus 166)
Site:	Bell Lake Unit South	North Reference:	Grid
Well:	Bell Lake Unit South 208H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #2		

Design Targets									
Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
- Shape									
BLUS 208H PBHL P2	0.00	0.00	10,730.00	-7,970.24	-102.01	446,534.55	753,820.92	32.224975	-103.512544
- plan hits target center									
- Point									
BLUS 208H LP P2	0.00	0.00	10,730.00	-250.62	-162.63	454,254.17	753,760.30	32.246196	-103.512549
- plan hits target center									
- Point									

Casing Points					
Measured Depth	Vertical Depth	Name		Casing Diameter	Hole Diameter
(usft)	(usft)			(")	(")
1,500.00	1,500.00	13 3/8"		13-3/8	17-1/2
5,200.00	5,192.58	9 5/8"		9-5/8	12-1/4

Plan Annotations					
Measured Depth	Vertical Depth	Local Coordinates		Comment	
(usft)	(usft)	+N/-S	+E/-W		
(usft)	(usft)	(usft)	(usft)		
2,000.00	2,000.00	0.00	0.00	Build 1°/100'	
2,407.85	2,407.50	12.88	-6.68	4696' Hold	
7,104.74	7,092.50	309.44	-160.45	Drop 1°/100'	
7,512.58	7,500.00	322.32	-167.13	2657' Hold	
10,169.63	10,157.04	322.32	-167.13	Build 10°/100'	
11,069.63	10,730.00	-250.62	-162.63	7719' Hold	
18,789.48	10,730.00	-7,970.24	-102.01	TD at 18789.48	

Kaiser-Francis Oil Company

Kaiser-Francis Oil Company

Lea Co., NM (NAD-27)
Bell Lake Unit South
Bell Lake Unit South 208H

OH
Plan #2

Anticollision Report

11 January, 2021



Altitude Energy Partners

Anticollision Report



Company:	Kaiser-Francis Oil Company	Local Co-ordinate Reference:	Well Bell Lake Unit South 208H
Project:	Lea Co., NM (NAD-27)	TVD Reference:	KB=23' @ 3638.00usft (Cactus 166)
Reference Site:	Bell Lake Unit South	MD Reference:	KB=23' @ 3638.00usft (Cactus 166)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Bell Lake Unit South 208H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.1 Single User Db
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Reference	Plan #2			
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:	Max. Cent. Dist. of 1,000.00usft or Max. SF of 10		Error Surface:	Pedal Curve
Warning Levels Evaluated at:	2.00 Sigma	Casing Method:	Not applied	

Survey Tool Program		Date	1/11/2021		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
0.00	18,789.48	Plan #2 (OH)	MWD+HDGM	OWSG MWD + HDGM	

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
Bell Lake Offsets						
Bell Lake Unit 1 #004 - OH - OH	5,796.50	5,764.58	624.35	373.01	2.484	CC
Bell Lake Unit 1 #004 - OH - OH	10,250.00	10,214.15	635.23	190.04	1.427	Collision Avoidance Req., ES
Bell Lake Unit 1 #004 - OH - OH	10,300.00	10,263.29	638.07	190.77	1.426	Collision Avoidance Req., SF
Bell Lake Unit 8 - OH - OH	15,592.62	10,706.00	727.25	219.57	1.432	Collision Avoidance Req., CC
Bell Lake Unit 8 - OH - OH	15,600.00	10,706.00	727.29	219.50	1.432	Collision Avoidance Req., ES
Bell Lake Unit South						
Bell Lake Unit South 207H - OH - Plan #2	1,768.24	1,768.33	19.51	7.28	1.596	Collision Risk Procedures R
Bell Lake Unit South 207H - OH - Plan #2	1,800.00	1,800.00	19.61	7.17	1.576	Collision Risk Procedures R
Bell Lake Unit South 408H - OH - Plan #1	1,600.00	1,600.00	20.00	8.97	1.813	Collision Risk Procedures R
Bell Lake Unit South 408H - OH - Plan #1	1,700.00	1,699.70	20.72	8.98	1.765	Collision Risk Procedures R

Offset Design:	Bell Lake Offsets - Bell Lake Unit 1 #004 - OH - OH												Offset Site Error:	0.00 usft
Survey Program:	13960-Unknown				Rule Assigned:				Offset Well Error:	0.00 usft				
Reference	Offset	Reference	Offset	Semi Major Axis	Offset	Highside	Offset Wellbore Centre		Distance		Minimum	Separation	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Separation (usft)	Factor		
0.00	0.00	0.00	0.00	0.00	0.00	40.34	514.24	436.65	675.01					
100.00	100.00	77.00	77.00	0.14	3.08	40.34	514.24	436.65	674.61	671.40	3.22	209.624		
200.00	200.00	177.00	177.00	0.50	7.08	40.34	514.24	436.65	674.61	667.04	7.58	89.038		
300.00	300.00	277.00	277.00	0.85	11.08	40.34	514.24	436.65	674.61	662.68	11.94	56.523		
400.00	400.00	377.00	377.00	1.21	15.08	40.34	514.24	436.65	674.61	658.32	16.29	41.404		
500.00	500.00	477.00	477.00	1.57	19.08	40.34	514.24	436.65	674.61	653.96	20.65	32.666		
600.00	600.00	577.00	577.00	1.93	23.08	40.34	514.24	436.65	674.61	649.60	25.01	26.973		
700.00	700.00	677.00	677.00	2.29	27.08	40.34	514.24	436.65	674.61	645.24	29.37	22.970		
800.00	800.00	777.00	777.00	2.65	31.08	40.34	514.24	436.65	674.61	640.89	33.73	20.002		
900.00	900.00	877.00	877.00	3.01	35.08	40.34	514.24	436.65	674.61	636.53	38.09	17.713		
1,000.00	1,000.00	977.00	977.00	3.36	39.08	40.34	514.24	436.65	674.61	632.17	42.44	15.894		
1,100.00	1,100.00	1,077.00	1,077.00	3.72	43.08	40.34	514.24	436.65	674.61	627.81	46.80	14.414		
1,200.00	1,200.00	1,177.00	1,177.00	4.08	47.08	40.34	514.24	436.65	674.61	623.45	51.16	13.186		
1,300.00	1,300.00	1,277.00	1,277.00	4.44	51.08	40.34	514.24	436.65	674.61	619.09	55.52	12.151		
1,400.00	1,400.00	1,377.00	1,377.00	4.80	55.08	40.34	514.24	436.65	674.61	614.74	59.88	11.266		
1,500.00	1,500.00	1,477.00	1,477.00	5.16	59.08	40.34	514.24	436.65	674.61	610.38	64.24	10.502		
1,600.00	1,600.00	1,577.00	1,577.00	5.52	63.08	40.34	514.24	436.65	674.61	606.02	68.60	9.835		

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

Altitude Energy Partners

Anticollision Report



Company:	Kaiser-Francis Oil Company	Local Co-ordinate Reference:	Well Bell Lake Unit South 208H
Project:	Lea Co., NM (NAD-27)	TVD Reference:	KB=23' @ 3638.00usft (Cactus 166)
Reference Site:	Bell Lake Unit South	MD Reference:	KB=23' @ 3638.00usft (Cactus 166)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Bell Lake Unit South 208H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.1 Single User Db
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design: Bell Lake Offsets - Bell Lake Unit 1 #004 - OH - OH													Offset Site Error:	0.00 usft	
Survey Program:		13960-Unknown		Offset		Semi Major Axis		Offset Wellbore Centre		Rule Assigned:				Offset Well Error:	0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
1,700.00	1,700.00	1,677.00	1,677.00	5.87	67.08	40.34	514.24	436.65	674.61	601.66	72.95	9.247			
1,800.00	1,800.00	1,777.00	1,777.00	6.23	71.08	40.34	514.24	436.65	674.61	597.30	77.31	8.726			
1,900.00	1,900.00	1,877.00	1,877.00	6.59	75.08	40.34	514.24	436.65	674.61	592.94	81.67	8.260			
2,000.00	2,000.00	1,977.00	1,977.00	6.95	79.08	40.34	514.24	436.65	674.61	588.58	86.03	7.842			
2,100.00	2,099.99	2,076.99	2,076.99	7.31	83.08	67.81	514.24	436.65	674.28	583.90	90.39	7.460			
2,200.00	2,199.96	2,176.96	2,176.96	7.66	87.08	68.03	514.24	436.65	673.30	578.56	94.74	7.107			
2,300.00	2,299.86	2,276.86	2,276.86	8.02	91.07	68.39	514.24	436.65	671.68	572.58	99.09	6.778			
2,407.85	2,407.50	2,384.50	2,384.50	8.41	95.38	68.94	514.24	436.65	669.25	565.47	103.79	6.448			
2,500.00	2,499.42	2,476.42	2,476.42	8.74	99.06	69.47	514.24	436.65	666.92	559.13	107.79	6.187			
2,600.00	2,599.17	2,576.17	2,576.17	9.09	103.05	70.04	514.24	436.65	664.45	552.31	112.14	5.925			
2,700.00	2,698.92	2,675.92	2,675.92	9.45	107.04	70.62	514.24	436.65	662.05	545.56	116.49	5.683			
2,800.00	2,798.66	2,775.66	2,775.66	9.81	111.03	71.20	514.24	436.65	659.72	538.88	120.84	5.459			
2,900.00	2,898.41	2,875.41	2,875.41	10.17	115.02	71.78	514.24	436.65	657.46	532.27	125.19	5.252			
3,000.00	2,998.16	2,975.16	2,975.16	10.54	119.01	72.37	514.24	436.65	655.27	525.72	129.54	5.058			
3,100.00	3,097.90	3,074.90	3,074.90	10.90	123.00	72.97	514.24	436.65	653.14	519.25	133.89	4.878			
3,200.00	3,197.65	3,174.65	3,174.65	11.26	126.99	73.56	514.24	436.65	651.09	512.84	138.25	4.710			
3,300.00	3,297.40	3,274.40	3,274.40	11.62	130.98	74.16	514.24	436.65	649.11	506.51	142.60	4.552			
3,400.00	3,397.14	3,374.14	3,374.14	11.99	134.97	74.77	514.24	436.65	647.20	500.25	146.95	4.404			
3,500.00	3,496.89	3,473.89	3,473.89	12.35	138.96	75.38	514.24	436.65	645.36	494.06	151.31	4.265			
3,600.00	3,596.64	3,573.64	3,573.64	12.71	142.95	75.99	514.24	436.65	643.60	487.94	155.66	4.135			
3,700.00	3,696.38	3,673.38	3,673.38	13.08	146.94	76.60	514.24	436.65	641.91	481.89	160.01	4.012			
3,800.00	3,796.13	3,773.13	3,773.13	13.44	150.93	77.22	514.24	436.65	640.29	475.93	164.37	3.895			
3,900.00	3,895.88	3,872.88	3,872.88	13.81	154.92	77.84	514.24	436.65	638.75	470.03	168.72	3.786			
4,000.00	3,995.62	3,972.62	3,972.62	14.17	158.91	78.46	514.24	436.65	637.29	464.21	173.08	3.682			
4,100.00	4,095.37	4,072.37	4,072.37	14.54	162.89	79.09	514.24	436.65	635.90	458.47	177.43	3.584			
4,200.00	4,195.12	4,172.12	4,172.12	14.90	166.88	79.72	514.24	436.65	634.59	452.80	181.79	3.491			
4,300.00	4,294.86	4,271.86	4,271.86	15.27	170.87	80.35	514.24	436.65	633.36	447.21	186.14	3.403			
4,400.00	4,394.61	4,371.61	4,371.61	15.64	174.86	80.98	514.24	436.65	632.20	441.70	190.50	3.319			
4,500.00	4,494.36	4,471.36	4,471.36	16.00	178.85	81.62	514.24	436.65	631.12	436.27	194.86	3.239			
4,600.00	4,594.10	4,571.10	4,571.10	16.37	182.84	82.26	514.24	436.65	630.12	430.91	199.21	3.163			
4,700.00	4,693.85	4,670.85	4,670.85	16.73	186.83	82.90	514.24	436.65	629.20	425.63	203.57	3.091			
4,800.00	4,793.60	4,770.60	4,770.60	17.10	190.82	83.54	514.24	436.65	628.36	420.44	207.92	3.022			
4,900.00	4,893.34	4,870.34	4,870.34	17.47	194.81	84.18	514.24	436.65	627.60	415.32	212.28	2.956			
5,000.00	4,993.09	4,970.09	4,970.09	17.83	198.80	84.83	514.24	436.65	626.92	410.28	216.64	2.894			
5,100.00	5,092.84	5,069.84	5,069.84	18.20	202.79	85.48	514.24	436.65	626.31	405.32	220.99	2.834			
5,200.00	5,192.58	5,169.58	5,169.58	18.57	206.78	86.12	514.24	436.65	625.79	400.44	225.35	2.777			
5,300.00	5,292.33	5,269.33	5,269.33	18.93	210.77	86.77	514.24	436.65	625.35	395.64	229.71	2.722			
5,400.00	5,392.08	5,369.08	5,369.08	19.30	214.76	87.42	514.24	436.65	624.99	390.92	234.06	2.670			
5,500.00	5,491.83	5,468.83	5,468.83	19.67	218.75	88.07	514.24	436.65	624.71	386.29	238.42	2.620			
5,600.00	5,591.57	5,568.57	5,568.57	20.04	222.74	88.72	514.24	436.65	624.51	381.73	242.78	2.572			
5,700.00	5,691.32	5,668.32	5,668.32	20.40	226.73	89.37	514.24	436.65	624.39	377.26	247.13	2.527			
5,796.50	5,787.58	5,764.58	5,764.58	20.76	230.58	90.00	514.24	436.65	624.35	373.01	251.34	2.484	CC		
5,800.00	5,791.07	5,768.07	5,768.07	20.77	230.72	90.02	514.24	436.65	624.35	372.86	251.49	2.483			
5,900.00	5,890.81	5,867.81	5,867.81	21.14	234.71	90.67	514.24	436.65	624.39	368.55	255.85	2.441			
6,000.00	5,990.56	5,967.56	5,967.56	21.51	238.70	91.32	514.24	436.65	624.52	364.32	260.20	2.400			
6,100.00	6,090.31	6,067.31	6,067.31	21.87	242.69	91.98	514.24	436.65	624.72	360.16	264.56	2.361			
6,200.00	6,190.05	6,167.05	6,167.05	22.24	246.68	92.63	514.24	436.65	625.01	356.09	268.92	2.324			
6,300.00	6,289.80	6,266.80	6,266.80	22.61	250.67	93.27	514.24	436.65	625.38	352.10	273.27	2.288			
6,400.00	6,389.55	6,366.55	6,366.55	22.98	254.66	93.92	514.24	436.65	625.82	348.20	277.63	2.254			
6,500.00	6,489.29	6,466.29	6,466.29	23.34	258.65	94.57	514.24	436.65	626.35	344.37	281.99	2.221			
6,600.00	6,589.04	6,566.04	6,566.04	23.71	262.64	95.22	514.24	436.65	626.96	340.62	286.34	2.190			
6,700.00	6,688.79	6,665.79	6,665.79	24.08	266.63	95.86	514.24	436.65	627.65	336.95	290.70	2.159			

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

Altitude Energy Partners

Anticollision Report



Company:	Kaiser-Francis Oil Company	Local Co-ordinate Reference:	Well Bell Lake Unit South 208H
Project:	Lea Co., NM (NAD-27)	TVD Reference:	KB=23' @ 3638.00usft (Cactus 166)
Reference Site:	Bell Lake Unit South	MD Reference:	KB=23' @ 3638.00usft (Cactus 166)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Bell Lake Unit South 208H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.1 Single User Db
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design: Bell Lake Offsets - Bell Lake Unit 1 #004 - OH - OH													Offset Site Error: 0.00 usft
Survey Program: 13960-Unknown													Offset Well Error: 0.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	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	6,788.53	6,765.53	6,765.53	24.45	270.62	96.50	514.24	436.65	628.42	333.36	295.05	2.130	
6,900.00	6,888.28	6,865.28	6,865.28	24.82	274.61	97.15	514.24	436.65	629.26	329.85	299.41	2.102	
7,000.00	6,988.03	6,965.03	6,965.03	25.18	278.60	97.79	514.24	436.65	630.19	326.42	303.77	2.075	
7,104.74	7,092.50	7,069.50	7,069.50	25.57	282.78	98.46	514.24	436.65	631.25	322.92	308.33	2.047	
7,200.00	7,187.57	7,164.57	7,164.57	25.92	286.58	99.00	514.24	436.65	632.16	319.68	312.48	2.023	
7,300.00	7,287.47	7,264.47	7,264.47	26.28	290.58	99.42	514.24	436.65	632.89	316.05	316.84	1.998	Collision Risk Procedures Req.
7,400.00	7,387.42	7,364.42	7,364.42	26.64	294.58	99.67	514.24	436.65	633.36	312.17	321.19	1.972	Collision Risk Procedures Req.
7,500.00	7,487.42	7,464.42	7,464.42	26.99	298.58	99.77	514.24	436.65	633.54	308.00	325.55	1.946	Collision Risk Procedures Req.
7,512.58	7,500.00	7,477.00	7,477.00	27.04	299.08	72.37	514.24	436.65	633.55	307.46	326.09	1.943	Collision Risk Procedures Req.
7,600.00	7,587.42	7,564.42	7,564.42	27.33	302.58	72.37	514.24	436.65	633.55	303.67	329.88	1.921	Collision Risk Procedures Req.
7,700.00	7,687.42	7,664.42	7,664.42	27.68	306.58	72.37	514.24	436.65	633.55	299.31	334.23	1.896	Collision Risk Procedures Req.
7,800.00	7,787.42	7,764.42	7,764.42	28.03	310.58	72.37	514.24	436.65	633.55	294.96	338.59	1.871	Collision Risk Procedures Req.
7,900.00	7,887.42	7,864.42	7,864.42	28.39	314.58	72.37	514.24	436.65	633.55	290.61	342.94	1.847	Collision Risk Procedures Req.
8,000.00	7,987.42	7,964.42	7,964.42	28.74	318.58	72.37	514.24	436.65	633.55	286.26	347.29	1.824	Collision Risk Procedures Req.
8,100.00	8,087.42	8,064.42	8,064.42	29.09	322.58	72.37	514.24	436.65	633.55	281.91	351.64	1.802	Collision Risk Procedures Req.
8,200.00	8,187.42	8,164.42	8,164.42	29.44	326.58	72.37	514.24	436.65	633.55	277.55	355.99	1.780	Collision Risk Procedures Req.
8,300.00	8,287.42	8,264.42	8,264.42	29.79	330.58	72.37	514.24	436.65	633.55	273.20	360.35	1.758	Collision Risk Procedures Req.
8,400.00	8,387.42	8,364.42	8,364.42	30.15	334.58	72.37	514.24	436.65	633.55	268.85	364.70	1.737	Collision Risk Procedures Req.
8,500.00	8,487.42	8,464.42	8,464.42	30.50	338.58	72.37	514.24	436.65	633.55	264.50	369.05	1.717	Collision Risk Procedures Req.
8,600.00	8,587.42	8,564.42	8,564.42	30.85	342.58	72.37	514.24	436.65	633.55	260.14	373.40	1.697	Collision Risk Procedures Req.
8,700.00	8,687.42	8,664.42	8,664.42	31.21	346.58	72.37	514.24	436.65	633.55	255.79	377.76	1.677	Collision Risk Procedures Req.
8,800.00	8,787.42	8,764.42	8,764.42	31.56	350.58	72.37	514.24	436.65	633.55	251.44	382.11	1.658	Collision Risk Procedures Req.
8,900.00	8,887.42	8,864.42	8,864.42	31.91	354.58	72.37	514.24	436.65	633.55	247.08	386.46	1.639	Collision Risk Procedures Req.
9,000.00	8,987.42	8,964.42	8,964.42	32.27	358.58	72.37	514.24	436.65	633.55	242.73	390.82	1.621	Collision Risk Procedures Req.
9,100.00	9,087.42	9,064.42	9,064.42	32.62	362.58	72.37	514.24	436.65	633.55	238.38	395.17	1.603	Collision Risk Procedures Req.
9,200.00	9,187.42	9,164.42	9,164.42	32.97	366.58	72.37	514.24	436.65	633.55	234.02	399.52	1.586	Collision Risk Procedures Req.
9,300.00	9,287.42	9,264.42	9,264.42	33.33	370.58	72.37	514.24	436.65	633.55	229.67	403.88	1.569	Collision Risk Procedures Req.
9,400.00	9,387.42	9,364.42	9,364.42	33.68	374.58	72.37	514.24	436.65	633.55	225.31	408.23	1.552	Collision Risk Procedures Req.
9,500.00	9,487.42	9,464.42	9,464.42	34.04	378.58	72.37	514.24	436.65	633.55	220.96	412.59	1.536	Collision Risk Procedures Req.
9,600.00	9,587.42	9,564.42	9,564.42	34.39	382.58	72.37	514.24	436.65	633.55	216.61	416.94	1.520	Collision Risk Procedures Req.
9,700.00	9,687.42	9,664.42	9,664.42	34.74	386.58	72.37	514.24	436.65	633.55	212.25	421.29	1.504	Collision Risk Procedures Req.
9,800.00	9,787.42	9,764.42	9,764.42	35.10	390.58	72.37	514.24	436.65	633.55	207.90	425.65	1.488	Collision Avoidance Req.
9,900.00	9,887.42	9,864.42	9,864.42	35.45	394.58	72.37	514.24	436.65	633.55	203.54	430.00	1.473	Collision Avoidance Req.
10,000.00	9,987.42	9,964.42	9,964.42	35.81	398.58	72.37	514.24	436.65	633.55	199.19	434.36	1.459	Collision Avoidance Req.
10,100.00	10,087.42	10,064.42	10,064.42	36.16	402.58	72.37	514.24	436.65	633.55	194.84	438.71	1.444	Collision Avoidance Req.
10,169.63	10,157.04	10,134.04	10,134.04	36.40	405.36	72.37	514.24	436.65	633.55	191.81	441.73	1.434	Collision Avoidance Req.
10,200.00	10,187.40	10,164.40	10,164.40	36.49	406.58	-107.23	514.24	436.65	633.79	190.74	443.04	1.431	Collision Avoidance Req.
10,250.00	10,237.15	10,214.15	10,214.15	36.65	408.57	-107.51	514.24	436.65	635.23	190.04	445.19	1.427	Collision Avoidance Req., ES
10,300.00	10,286.29	10,263.29	10,263.29	36.79	410.53	-108.01	514.24	436.65	638.07	190.77	447.30	1.426	Collision Avoidance Req., SF
10,350.00	10,334.45	10,311.45	10,311.45	36.93	412.46	-108.69	514.24	436.65	642.43	193.06	449.37	1.430	Collision Avoidance Req.
10,400.00	10,381.26	10,358.26	10,358.26	37.06	414.33	-109.50	514.24	436.65	648.52	197.14	451.37	1.437	Collision Avoidance Req.
10,450.00	10,426.36	10,403.36	10,403.36	37.18	416.13	-110.35	514.24	436.65	656.56	203.26	453.30	1.448	Collision Avoidance Req.
10,500.00	10,469.41	10,446.41	10,446.41	37.29	417.86	-111.18	514.24	436.65	666.82	211.68	455.14	1.465	Collision Avoidance Req.
10,550.00	10,510.09	10,487.09	10,487.09	37.40	419.48	-111.90	514.24	436.65	679.52	222.65	456.87	1.487	Collision Avoidance Req.
10,600.00	10,548.07	10,525.07	10,525.07	37.49	421.00	-112.40	514.24	436.65	694.89	236.40	458.49	1.516	Collision Risk Procedures Req.
10,650.00	10,583.08	10,560.08	10,560.08	37.58	422.40	-112.61	514.24	436.65	713.09	253.11	459.98	1.550	Collision Risk Procedures Req.
10,700.00	10,614.85	10,591.85	10,591.85	37.66	423.67	-112.43	514.24	436.65	734.22	272.90	461.33	1.592	Collision Risk Procedures Req.
10,750.00	10,643.14	10,620.14	10,620.14	37.74	424.81	-111.78	514.24	436.65	758.31	295.79	462.53	1.640	Collision Risk Procedures Req.
10,800.00	10,667.72	10,644.72	10,644.72	37.82	425.79	-110.55	514.24	436.65	785.30	321.73	463.57	1.694	Collision Risk Procedures Req.
10,850.00	10,688.42	10,665.42	10,665.42	37.91	426.62	-108.64	514.24	436.65	815.04	350.60	464.44	1.755	Collision Risk Procedures Req.
10,900.00	10,705.07	10,682.07	10,682.07	37.99	427.28	-105.95	514.24	436.65	847.33	382.19	465.14	1.822	Collision Risk Procedures Req.
10,950.00	10,717.56	10,694.56	10,694.56	38.08	427.78	-102.39	514.24	436.65	881.88	416.21	465.66	1.894	Collision Risk Procedures Req.

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

Altitude Energy Partners

Anticollision Report



Company:	Kaiser-Francis Oil Company	Local Co-ordinate Reference:	Well Bell Lake Unit South 208H
Project:	Lea Co., NM (NAD-27)	TVD Reference:	KB=23' @ 3638.00usft (Cactus 166)
Reference Site:	Bell Lake Unit South	MD Reference:	KB=23' @ 3638.00usft (Cactus 166)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Bell Lake Unit South 208H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.1 Single User Db
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design: Bell Lake Offsets - Bell Lake Unit 1 #004 - OH - OH													Offset Site Error: 0.00 usft
Survey Program: 13960-Unknown													Offset Well Error: 0.00 usft
Reference	Offset	Rule Assigned:											
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
11,000.00	10,725.78	10,702.78	10,702.78	38.17	428.11	-97.88	514.24	436.65	918.36	452.35	466.01	1.971	Collision Risk Procedures Req.
11,050.00	10,729.66	10,706.66	10,706.66	38.26	428.27	-92.40	514.24	436.65	956.40	490.23	466.17	2.052	
11,069.63	10,730.00	10,707.00	10,707.00	38.29	428.28	-90.00	514.24	436.65	971.67	505.48	466.19	2.084	
11,100.00	10,730.00	10,707.00	10,707.00	38.35	428.28	-90.00	514.24	436.65	995.61	529.42	466.19	2.136	
11,200.00	10,730.00	10,707.00	10,707.00	38.57	428.28	-90.00	514.24	436.65	1,076.73	610.53	466.20	2.310	
11,300.00	10,730.00	10,707.00	10,707.00	38.85	428.28	-90.00	514.24	436.65	1,160.79	694.58	466.22	2.490	
11,400.00	10,730.00	10,707.00	10,707.00	39.18	428.28	-90.00	514.24	436.65	1,247.22	780.97	466.24	2.675	
11,500.00	10,730.00	10,707.00	10,707.00	39.55	428.28	-90.00	514.24	436.65	1,335.53	869.27	466.26	2.864	
11,600.00	10,730.00	10,707.00	10,707.00	39.97	428.28	-90.00	514.24	436.65	1,425.39	959.11	466.29	3.057	
11,700.00	10,730.00	10,707.00	10,707.00	40.44	428.28	-90.00	514.24	436.65	1,516.52	1,050.21	466.31	3.252	
11,800.00	10,730.00	10,707.00	10,707.00	40.96	428.28	-90.00	514.24	436.65	1,608.71	1,142.37	466.34	3.450	
11,900.00	10,730.00	10,707.00	10,707.00	41.52	428.28	-90.00	514.24	436.65	1,701.78	1,235.41	466.36	3.649	
12,000.00	10,730.00	10,707.00	10,707.00	42.11	428.28	-90.00	514.24	436.65	1,795.59	1,329.20	466.39	3.850	
12,100.00	10,730.00	10,707.00	10,707.00	42.75	428.28	-90.00	514.24	436.65	1,890.04	1,423.62	466.42	4.052	
12,200.00	10,730.00	10,707.00	10,707.00	43.43	428.28	-90.00	514.24	436.65	1,985.03	1,518.59	466.44	4.256	
12,300.00	10,730.00	10,707.00	10,707.00	44.14	428.28	-90.00	514.24	436.65	2,080.49	1,614.02	466.47	4.460	
12,400.00	10,730.00	10,707.00	10,707.00	44.89	428.28	-90.00	514.24	436.65	2,176.36	1,709.86	466.50	4.665	
12,500.00	10,730.00	10,707.00	10,707.00	45.67	428.28	-90.00	514.24	436.65	2,272.59	1,806.06	466.53	4.871	
12,600.00	10,730.00	10,707.00	10,707.00	46.48	428.28	-90.00	514.24	436.65	2,369.12	1,902.57	466.56	5.078	
12,700.00	10,730.00	10,707.00	10,707.00	47.33	428.28	-90.00	514.24	436.65	2,465.94	1,999.35	466.58	5.285	
12,800.00	10,730.00	10,707.00	10,707.00	48.20	428.28	-90.00	514.24	436.65	2,563.00	2,096.38	466.61	5.493	
12,900.00	10,730.00	10,707.00	10,707.00	49.09	428.28	-90.00	514.24	436.65	2,660.27	2,193.63	466.64	5.701	
13,000.00	10,730.00	10,707.00	10,707.00	50.02	428.28	-90.00	514.24	436.65	2,757.74	2,291.07	466.67	5.909	
13,100.00	10,730.00	10,707.00	10,707.00	50.96	428.28	-90.00	514.24	436.65	2,855.39	2,388.68	466.71	6.118	
13,200.00	10,730.00	10,707.00	10,707.00	51.93	428.28	-90.00	514.24	436.65	2,953.19	2,486.46	466.74	6.327	
13,300.00	10,730.00	10,707.00	10,707.00	52.92	428.28	-90.00	514.24	436.65	3,051.14	2,584.37	466.77	6.537	
13,400.00	10,730.00	10,707.00	10,707.00	53.93	428.28	-90.00	514.24	436.65	3,149.22	2,682.41	466.80	6.746	
13,500.00	10,730.00	10,707.00	10,707.00	54.96	428.28	-90.00	514.24	436.65	3,247.41	2,780.57	466.84	6.956	
13,600.00	10,730.00	10,707.00	10,707.00	56.01	428.28	-90.00	514.24	436.65	3,345.71	2,878.83	466.87	7.166	
13,700.00	10,730.00	10,707.00	10,707.00	57.07	428.28	-90.00	514.24	436.65	3,444.10	2,977.20	466.91	7.376	
13,800.00	10,730.00	10,707.00	10,707.00	58.15	428.28	-90.00	514.24	436.65	3,542.59	3,075.65	466.94	7.587	
13,900.00	10,730.00	10,707.00	10,707.00	59.25	428.28	-90.00	514.24	436.65	3,641.16	3,174.18	466.98	7.797	
14,000.00	10,730.00	10,707.00	10,707.00	60.36	428.28	-90.00	514.24	436.65	3,739.81	3,272.79	467.02	8.008	
14,100.00	10,730.00	10,707.00	10,707.00	61.48	428.28	-90.00	514.24	436.65	3,838.52	3,371.47	467.06	8.219	
14,200.00	10,730.00	10,707.00	10,707.00	62.61	428.28	-90.00	514.24	436.65	3,937.30	3,470.21	467.10	8.429	
14,300.00	10,730.00	10,707.00	10,707.00	63.76	428.28	-90.00	514.24	436.65	4,036.14	3,569.01	467.14	8.640	
14,400.00	10,730.00	10,707.00	10,707.00	64.92	428.28	-90.00	514.24	436.65	4,135.04	3,667.86	467.18	8.851	
14,500.00	10,730.00	10,707.00	10,707.00	66.09	428.28	-90.00	514.24	436.65	4,233.99	3,766.77	467.22	9.062	
14,600.00	10,730.00	10,707.00	10,707.00	67.27	428.28	-90.00	514.24	436.65	4,332.99	3,865.72	467.26	9.273	
14,700.00	10,730.00	10,707.00	10,707.00	68.47	428.28	-90.00	514.24	436.65	4,432.03	3,964.72	467.31	9.484	
14,800.00	10,730.00	10,707.00	10,707.00	69.67	428.28	-90.00	514.24	436.65	4,531.11	4,063.76	467.35	9.695	
14,900.00	10,730.00	10,707.00	10,707.00	70.87	428.28	-90.00	514.24	436.65	4,630.23	4,162.84	467.40	9.906	

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

Altitude Energy Partners

Anticollision Report



Company:	Kaiser-Francis Oil Company	Local Co-ordinate Reference:	Well Bell Lake Unit South 208H
Project:	Lea Co., NM (NAD-27)	TVD Reference:	KB=23' @ 3638.00usft (Cactus 166)
Reference Site:	Bell Lake Unit South	MD Reference:	KB=23' @ 3638.00usft (Cactus 166)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Bell Lake Unit South 208H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.1 Single User Db
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design: Bell Lake Offsets - Bell Lake Unit 8 - OH - OH												Offset Site Error:	0.00 usft
Survey Program: 14500-Unknown												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
11,000.00	10,725.78	10,701.78	10,701.78	38.17	428.07	52.57	-4,779.18	-854.34	4,649.67	4,183.89	465.78	9.983	
11,050.00	10,729.66	10,705.66	10,705.66	38.26	428.23	77.93	-4,779.18	-854.34	4,600.46	4,134.52	465.94	9.874	
11,069.63	10,730.00	10,706.00	10,706.00	38.29	428.24	90.00	-4,779.18	-854.34	4,581.08	4,115.13	465.95	9.832	
11,100.00	10,730.00	10,706.00	10,706.00	38.35	428.24	90.00	-4,779.18	-854.34	4,551.10	4,085.14	465.95	9.767	
11,200.00	10,730.00	10,706.00	10,706.00	38.57	428.24	90.00	-4,779.18	-854.34	4,452.41	3,986.45	465.96	9.555	
11,300.00	10,730.00	10,706.00	10,706.00	38.85	428.24	90.00	-4,779.18	-854.34	4,353.78	3,887.82	465.96	9.344	
11,400.00	10,730.00	10,706.00	10,706.00	39.18	428.24	90.00	-4,779.18	-854.34	4,255.22	3,789.25	465.97	9.132	
11,500.00	10,730.00	10,706.00	10,706.00	39.55	428.24	90.00	-4,779.18	-854.34	4,156.73	3,690.75	465.98	8.920	
11,600.00	10,730.00	10,706.00	10,706.00	39.97	428.24	90.00	-4,779.18	-854.34	4,058.31	3,592.31	465.99	8.709	
11,700.00	10,730.00	10,706.00	10,706.00	40.44	428.24	90.00	-4,779.18	-854.34	3,959.97	3,493.96	466.01	8.498	
11,800.00	10,730.00	10,706.00	10,706.00	40.96	428.24	90.00	-4,779.18	-854.34	3,861.71	3,395.68	466.03	8.286	
11,900.00	10,730.00	10,706.00	10,706.00	41.52	428.24	90.00	-4,779.18	-854.34	3,763.55	3,297.49	466.06	8.075	
12,000.00	10,730.00	10,706.00	10,706.00	42.11	428.24	90.00	-4,779.18	-854.34	3,665.48	3,199.39	466.09	7.864	
12,100.00	10,730.00	10,706.00	10,706.00	42.75	428.24	90.00	-4,779.18	-854.34	3,567.53	3,101.39	466.13	7.653	
12,200.00	10,730.00	10,706.00	10,706.00	43.43	428.24	90.00	-4,779.18	-854.34	3,469.69	3,003.51	466.18	7.443	
12,300.00	10,730.00	10,706.00	10,706.00	44.14	428.24	90.00	-4,779.18	-854.34	3,371.97	2,905.74	466.23	7.232	
12,400.00	10,730.00	10,706.00	10,706.00	44.89	428.24	90.00	-4,779.18	-854.34	3,274.40	2,808.11	466.29	7.022	
12,500.00	10,730.00	10,706.00	10,706.00	45.67	428.24	90.00	-4,779.18	-854.34	3,176.97	2,710.61	466.36	6.812	
12,600.00	10,730.00	10,706.00	10,706.00	46.48	428.24	90.00	-4,779.18	-854.34	3,079.71	2,613.27	466.44	6.603	
12,700.00	10,730.00	10,706.00	10,706.00	47.33	428.24	90.00	-4,779.18	-854.34	2,982.63	2,516.10	466.54	6.393	
12,800.00	10,730.00	10,706.00	10,706.00	48.20	428.24	90.00	-4,779.18	-854.34	2,885.76	2,419.11	466.65	6.184	
12,900.00	10,730.00	10,706.00	10,706.00	49.09	428.24	90.00	-4,779.18	-854.34	2,789.10	2,322.32	466.77	5.975	
13,000.00	10,730.00	10,706.00	10,706.00	50.02	428.24	90.00	-4,779.18	-854.34	2,692.68	2,225.76	466.92	5.767	
13,100.00	10,730.00	10,706.00	10,706.00	50.96	428.24	90.00	-4,779.18	-854.34	2,596.54	2,129.45	467.09	5.559	
13,200.00	10,730.00	10,706.00	10,706.00	51.93	428.24	90.00	-4,779.18	-854.34	2,500.70	2,033.42	467.28	5.352	
13,300.00	10,730.00	10,706.00	10,706.00	52.92	428.24	90.00	-4,779.18	-854.34	2,405.20	1,937.69	467.50	5.145	
13,400.00	10,730.00	10,706.00	10,706.00	53.93	428.24	90.00	-4,779.18	-854.34	2,310.08	1,842.31	467.76	4.939	
13,500.00	10,730.00	10,706.00	10,706.00	54.96	428.24	90.00	-4,779.18	-854.34	2,215.38	1,747.32	468.06	4.733	
13,600.00	10,730.00	10,706.00	10,706.00	56.01	428.24	90.00	-4,779.18	-854.34	2,121.18	1,652.76	468.42	4.528	
13,700.00	10,730.00	10,706.00	10,706.00	57.07	428.24	90.00	-4,779.18	-854.34	2,027.53	1,558.71	468.83	4.325	
13,800.00	10,730.00	10,706.00	10,706.00	58.15	428.24	90.00	-4,779.18	-854.34	1,934.52	1,465.21	469.30	4.122	
13,900.00	10,730.00	10,706.00	10,706.00	59.25	428.24	90.00	-4,779.18	-854.34	1,842.24	1,372.37	469.87	3.921	
14,000.00	10,730.00	10,706.00	10,706.00	60.36	428.24	90.00	-4,779.18	-854.34	1,750.80	1,280.28	470.53	3.721	
14,100.00	10,730.00	10,706.00	10,706.00	61.48	428.24	90.00	-4,779.18	-854.34	1,660.36	1,189.05	471.30	3.523	
14,200.00	10,730.00	10,706.00	10,706.00	62.61	428.24	90.00	-4,779.18	-854.34	1,571.07	1,098.85	472.22	3.327	
14,300.00	10,730.00	10,706.00	10,706.00	63.76	428.24	90.00	-4,779.18	-854.34	1,483.15	1,009.85	473.30	3.134	
14,400.00	10,730.00	10,706.00	10,706.00	64.92	428.24	90.00	-4,779.18	-854.34	1,396.86	922.28	474.59	2.943	
14,500.00	10,730.00	10,706.00	10,706.00	66.09	428.24	90.00	-4,779.18	-854.34	1,312.52	836.42	476.10	2.757	
14,600.00	10,730.00	10,706.00	10,706.00	67.27	428.24	90.00	-4,779.18	-854.34	1,230.52	752.63	477.89	2.575	
14,700.00	10,730.00	10,706.00	10,706.00	68.47	428.24	90.00	-4,779.18	-854.34	1,151.37	671.38	479.99	2.399	
14,800.00	10,730.00	10,706.00	10,706.00	69.67	428.24	90.00	-4,779.18	-854.34	1,075.70	593.26	482.44	2.230	
14,900.00	10,730.00	10,706.00	10,706.00	70.87	428.24	90.00	-4,779.18	-854.34	1,004.29	519.03	485.26	2.070	
15,000.00	10,730.00	10,706.00	10,706.00	72.09	428.24	90.00	-4,779.18	-854.34	938.13	449.66	488.47	1.921 Collision Risk Procedures Req.	
15,100.00	10,730.00	10,706.00	10,706.00	73.32	428.24	90.00	-4,779.18	-854.34	878.38	386.38	492.00	1.785 Collision Risk Procedures Req.	
15,200.00	10,730.00	10,706.00	10,706.00	74.55	428.24	90.00	-4,779.18	-854.34	826.46	330.70	495.76	1.667 Collision Risk Procedures Req.	
15,300.00	10,730.00	10,706.00	10,706.00	75.79	428.24	90.00	-4,779.18	-854.34	783.91	284.38	499.53	1.569 Collision Risk Procedures Req.	
15,400.00	10,730.00	10,706.00	10,706.00	77.04	428.24	90.00	-4,779.18	-854.34	752.32	249.31	503.02	1.496 Collision Avoidance Req.	
15,500.00	10,730.00	10,706.00	10,706.00	78.29	428.24	90.00	-4,779.18	-854.34	733.12	227.25	505.87	1.449 Collision Avoidance Req.	
15,592.62	10,730.00	10,706.00	10,706.00	79.46	428.24	90.00	-4,779.18	-854.34	727.25	219.57	507.68	1.432 Collision Avoidance Req., CC	
15,600.00	10,730.00	10,706.00	10,706.00	79.55	428.24	90.00	-4,779.18	-854.34	727.29	219.50	507.79	1.432 Collision Avoidance Req., ES, SF	
15,700.00	10,730.00	10,706.00	10,706.00	80.82	428.24	90.00	-4,779.18	-854.34	735.13	226.56	508.58	1.445 Collision Avoidance Req.	
15,800.00	10,730.00	10,706.00	10,706.00	82.09	428.24	90.00	-4,779.18	-854.34	756.24	247.98	508.26	1.488 Collision Avoidance Req.	

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

Altitude Energy Partners

Anticollision Report



Company:	Kaiser-Francis Oil Company	Local Co-ordinate Reference:	Well Bell Lake Unit South 208H
Project:	Lea Co., NM (NAD-27)	TVD Reference:	KB=23' @ 3638.00usft (Cactus 166)
Reference Site:	Bell Lake Unit South	MD Reference:	KB=23' @ 3638.00usft (Cactus 166)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Bell Lake Unit South 208H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.1 Single User Db
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design: Bell Lake Offsets - Bell Lake Unit 8 - OH - OH													Offset Site Error:	0.00 usft		
Survey Program:		14500-Unknown <th colspan="2">Offset</th> <th colspan="2">Semi Major Axis</th> <th colspan="2">Offset Wellbore Centre</th> <th colspan="2">Rule Assigned:</th> <th>Distance</th> <th>Offset Well Error:</th> <td>0.00 usft</td>				Offset		Semi Major Axis		Offset Wellbore Centre		Rule Assigned:		Distance	Offset Well Error:	0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning			
15,900.00	10,730.00	10,706.00	10,706.00	83.37	428.24	90.00	-4,779.18	-854.34	789.54	282.51	507.04	1.557	Collision Risk	Procedures Req.		
16,000.00	10,730.00	10,706.00	10,706.00	84.65	428.24	90.00	-4,779.18	-854.34	833.58	328.41	505.17	1.650	Collision Risk	Procedures Req.		
16,100.00	10,730.00	10,706.00	10,706.00	85.93	428.24	90.00	-4,779.18	-854.34	886.75	383.80	502.95	1.763	Collision Risk	Procedures Req.		
16,200.00	10,730.00	10,706.00	10,706.00	87.23	428.24	90.00	-4,779.18	-854.34	947.53	446.94	500.59	1.893	Collision Risk	Procedures Req.		
16,300.00	10,730.00	10,706.00	10,706.00	88.52	428.24	90.00	-4,779.18	-854.34	1,014.54	516.28	498.26	2.036				
16,400.00	10,730.00	10,706.00	10,706.00	89.82	428.24	90.00	-4,779.18	-854.34	1,086.63	590.60	496.03	2.191				
16,500.00	10,730.00	10,706.00	10,706.00	91.13	428.24	90.00	-4,779.18	-854.34	1,162.86	668.88	493.97	2.354				
16,600.00	10,730.00	10,706.00	10,706.00	92.44	428.24	90.00	-4,779.18	-854.34	1,242.46	750.37	492.10	2.525				
16,700.00	10,730.00	10,706.00	10,706.00	93.75	428.24	90.00	-4,779.18	-854.34	1,324.84	834.43	490.41	2.702				
16,800.00	10,730.00	10,706.00	10,706.00	95.06	428.24	90.00	-4,779.18	-854.34	1,409.49	920.60	488.89	2.883				
16,900.00	10,730.00	10,706.00	10,706.00	96.38	428.24	90.00	-4,779.18	-854.34	1,496.04	1,008.51	487.54	3.069				
17,000.00	10,730.00	10,706.00	10,706.00	97.71	428.24	90.00	-4,779.18	-854.34	1,584.18	1,097.85	486.33	3.257				
17,100.00	10,730.00	10,706.00	10,706.00	99.03	428.24	90.00	-4,779.18	-854.34	1,673.65	1,188.40	485.25	3.449				
17,200.00	10,730.00	10,706.00	10,706.00	100.36	428.24	90.00	-4,779.18	-854.34	1,764.25	1,279.96	484.29	3.643				
17,300.00	10,730.00	10,706.00	10,706.00	101.69	428.24	90.00	-4,779.18	-854.34	1,855.82	1,372.39	483.43	3.839				
17,400.00	10,730.00	10,706.00	10,706.00	103.03	428.24	90.00	-4,779.18	-854.34	1,948.21	1,465.55	482.66	4.036				
17,500.00	10,730.00	10,706.00	10,706.00	104.37	428.24	90.00	-4,779.18	-854.34	2,041.33	1,559.35	481.97	4.235				
17,600.00	10,730.00	10,706.00	10,706.00	105.71	428.24	90.00	-4,779.18	-854.34	2,135.06	1,653.71	481.35	4.436				
17,700.00	10,730.00	10,706.00	10,706.00	107.05	428.24	90.00	-4,779.18	-854.34	2,229.34	1,748.54	480.80	4.637				
17,800.00	10,730.00	10,706.00	10,706.00	108.39	428.24	90.00	-4,779.18	-854.34	2,324.10	1,843.80	480.30	4.839				
17,900.00	10,730.00	10,706.00	10,706.00	109.74	428.24	90.00	-4,779.18	-854.34	2,419.28	1,939.43	479.85	5.042				
18,000.00	10,730.00	10,706.00	10,706.00	111.09	428.24	90.00	-4,779.18	-854.34	2,514.84	2,035.39	479.44	5.245				
18,100.00	10,730.00	10,706.00	10,706.00	112.44	428.24	90.00	-4,779.18	-854.34	2,610.72	2,131.65	479.07	5.450				
18,200.00	10,730.00	10,706.00	10,706.00	113.80	428.24	90.00	-4,779.18	-854.34	2,706.91	2,228.17	478.74	5.654				
18,300.00	10,730.00	10,706.00	10,706.00	115.15	428.24	90.00	-4,779.18	-854.34	2,803.36	2,324.92	478.44	5.859				
18,400.00	10,730.00	10,706.00	10,706.00	116.51	428.24	90.00	-4,779.18	-854.34	2,900.05	2,421.88	478.17	6.065				
18,500.00	10,730.00	10,706.00	10,706.00	117.87	428.24	90.00	-4,779.18	-854.34	2,996.96	2,519.04	477.92	6.271				
18,600.00	10,730.00	10,706.00	10,706.00	119.23	428.24	90.00	-4,779.18	-854.34	3,094.07	2,616.37	477.70	6.477				
18,700.00	10,730.00	10,706.00	10,706.00	120.60	428.24	90.00	-4,779.18	-854.34	3,191.35	2,713.86	477.50	6.684				
18,789.48	10,730.00	10,706.00	10,706.00	121.82	428.24	90.00	-4,779.18	-854.34	3,278.55	2,801.21	477.33	6.868				

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

Altitude Energy Partners

Anticollision Report



Company:	Kaiser-Francis Oil Company	Local Co-ordinate Reference:	Well Bell Lake Unit South 208H
Project:	Lea Co., NM (NAD-27)	TVD Reference:	KB=23' @ 3638.00usft (Cactus 166)
Reference Site:	Bell Lake Unit South	MD Reference:	KB=23' @ 3638.00usft (Cactus 166)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Bell Lake Unit South 208H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.1 Single User Db
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design: Bell Lake Unit South - Bell Lake Unit South 207H - OH - Plan #2												Offset Site Error:	0.00 usft
Survey Program: 0-MWD+HDGM												Offset Well Error:	0.00 usft
Reference	Offset	Semi Major Axis		Distance		Rule Assigned:		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	
0.00	0.00	0.00	0.00	0.00	0.00	178.97	-20.12	0.36	20.12				
100.00	100.00	100.00	100.00	0.14	0.14	178.97	-20.12	0.36	20.12	19.85	0.28	72.904	
200.00	200.00	200.00	200.00	0.50	0.50	178.97	-20.12	0.36	20.12	19.13	0.99	20.266	
300.00	300.00	300.00	300.00	0.85	0.85	178.97	-20.12	0.36	20.12	18.41	1.71	11.769	
400.00	400.00	400.00	400.00	1.21	1.21	178.97	-20.12	0.36	20.12	17.70	2.43	8.292	
500.00	500.00	500.00	500.00	1.57	1.57	178.97	-20.12	0.36	20.12	16.98	3.14	6.401	
600.00	600.00	600.00	600.00	1.93	1.93	178.97	-20.12	0.36	20.12	16.26	3.86	5.212	
700.00	700.00	700.00	700.00	2.29	2.29	178.97	-20.12	0.36	20.12	15.55	4.58	4.396	
800.00	800.00	800.00	800.00	2.65	2.65	178.97	-20.12	0.36	20.12	14.83	5.29	3.801	
900.00	900.00	900.00	900.00	3.01	3.01	178.97	-20.12	0.36	20.12	14.11	6.01	3.347	
1,000.00	1,000.00	1,000.00	1,000.00	3.36	3.36	178.97	-20.12	0.36	20.12	13.39	6.73	2.991	
1,100.00	1,100.00	1,100.00	1,100.00	3.72	3.72	178.97	-20.12	0.36	20.12	12.68	7.45	2.703	
1,200.00	1,200.00	1,200.00	1,200.00	4.08	4.08	178.97	-20.12	0.36	20.12	11.96	8.16	2.465	
1,300.00	1,300.00	1,300.00	1,300.00	4.44	4.44	178.97	-20.12	0.36	20.12	11.24	8.88	2.266	
1,400.00	1,400.00	1,400.00	1,400.00	4.80	4.80	178.97	-20.12	0.36	20.12	10.53	9.60	2.097	
1,500.00	1,500.00	1,500.00	1,500.00	5.16	5.16	178.97	-20.12	0.36	20.12	9.81	10.31	1.951	Collision Risk Procedures Req.
1,600.00	1,600.00	1,600.00	1,600.00	5.52	5.52	178.97	-20.12	0.36	20.12	9.09	11.03	1.824	Collision Risk Procedures Req.
1,700.00	1,700.00	1,700.13	1,700.11	5.87	5.87	-176.10	-19.72	-1.34	19.77	8.03	11.74	1.684	Collision Risk Procedures Req.
1,768.24	1,768.24	1,768.33	1,768.24	6.12	6.10	-166.80	-18.99	-4.45	19.51	7.28	12.22	1.596	Collision Risk Procedures Req., CC
1,800.00	1,800.00	1,800.00	1,799.84	6.23	6.21	-160.85	-18.53	-6.43	19.61	7.17	12.45	1.576	Collision Risk Procedures Req., ES, SF
1,900.00	1,900.00	1,899.42	1,898.88	6.59	6.56	-138.08	-16.55	-14.86	22.27	9.13	13.14	1.695	Collision Risk Procedures Req.
2,000.00	2,000.00	1,998.11	1,996.83	6.95	6.92	-117.51	-13.81	-26.53	30.08	16.28	13.79	2.180	
2,100.00	2,099.99	2,095.94	2,093.47	7.31	7.27	-77.64	-10.34	-41.33	42.91	28.49	14.42	2.975	
2,200.00	2,199.96	2,192.86	2,188.64	7.66	7.63	-71.38	-6.16	-59.15	59.38	44.34	15.04	3.949	
2,300.00	2,299.86	2,288.74	2,282.13	8.02	8.00	-68.17	-1.31	-79.86	78.72	63.08	15.64	5.035	
2,407.85	2,407.50	2,390.86	2,380.85	8.41	8.42	-66.41	4.65	-105.25	102.44	86.17	16.27	6.298	
2,500.00	2,499.42	2,480.21	2,466.77	8.74	8.79	-65.68	10.25	-129.13	124.10	107.21	16.90	7.344	
2,600.00	2,599.17	2,577.39	2,560.21	9.09	9.21	-65.13	16.34	-155.11	147.64	130.04	17.60	8.388	
2,700.00	2,698.92	2,674.57	2,653.66	9.45	9.64	-64.72	22.43	-181.09	171.18	152.87	18.31	9.349	
2,800.00	2,798.66	2,771.76	2,747.11	9.81	10.08	-64.42	28.53	-207.08	194.73	175.71	19.02	10.237	
2,900.00	2,898.41	2,868.94	2,840.55	10.17	10.52	-64.18	34.62	-233.06	218.28	198.54	19.74	11.059	
3,000.00	2,998.16	2,966.12	2,934.00	10.54	10.97	-63.99	40.71	-259.04	241.84	221.38	20.46	11.821	
3,100.00	3,097.90	3,063.31	3,027.45	10.90	11.43	-63.83	46.81	-285.02	265.39	244.21	21.18	12.530	
3,200.00	3,197.65	3,160.49	3,120.90	11.26	11.90	-63.70	52.90	-311.01	288.95	267.05	21.91	13.191	
3,300.00	3,297.40	3,257.67	3,214.34	11.62	12.36	-63.59	59.00	-336.99	312.51	289.88	22.63	13.808	
3,400.00	3,397.14	3,354.85	3,307.79	11.99	12.84	-63.49	65.09	-362.97	336.08	312.71	23.36	14.385	
3,500.00	3,496.89	3,452.04	3,401.24	12.35	13.31	-63.40	71.18	-388.95	359.64	335.54	24.10	14.925	
3,600.00	3,596.64	3,549.22	3,494.68	12.71	13.79	-63.33	77.28	-414.94	383.20	358.37	24.83	15.433	
3,700.00	3,696.38	3,646.40	3,588.13	13.08	14.27	-63.27	83.37	-440.92	406.76	381.20	25.57	15.911	
3,800.00	3,796.13	3,743.59	3,681.58	13.44	14.76	-63.21	89.46	-466.90	430.33	404.02	26.30	16.361	
3,900.00	3,895.88	3,840.77	3,775.02	13.81	15.24	-63.16	95.56	-492.89	453.89	426.85	27.04	16.785	
4,000.00	3,995.62	3,937.95	3,868.47	14.17	15.73	-63.11	101.65	-518.87	477.46	449.68	27.78	17.187	
4,100.00	4,095.37	4,035.14	3,961.92	14.54	16.23	-63.07	107.74	-544.85	501.02	472.50	28.52	17.566	
4,200.00	4,195.12	4,132.32	4,055.37	14.90	16.72	-63.03	113.84	-570.83	524.59	495.32	29.26	17.926	
4,300.00	4,294.86	4,229.50	4,148.81	15.27	17.21	-62.99	119.93	-596.82	548.15	518.14	30.01	18.267	
4,400.00	4,394.61	4,326.69	4,242.26	15.64	17.71	-62.96	126.02	-622.80	571.72	540.97	30.75	18.592	
4,500.00	4,494.36	4,423.87	4,335.71	16.00	18.21	-62.93	132.12	-648.78	595.28	563.79	31.50	18.900	
4,600.00	4,594.10	4,521.05	4,429.15	16.37	18.71	-62.90	138.21	-674.76	618.85	586.61	32.24	19.194	
4,700.00	4,693.85	4,618.24	4,522.60	16.73	19.21	-62.88	144.30	-700.75	642.41	609.43	32.99	19.474	
4,800.00	4,793.60	4,715.42	4,616.05	17.10	19.71	-62.85	150.40	-726.73	665.98	632.24	33.74	19.741	
4,900.00	4,893.34	4,812.60	4,709.49	17.47	20.21	-62.83	156.49	-752.71	689.55	655.06	34.48	19.996	
5,000.00	4,993.09	4,909.79	4,802.94	17.83	20.72	-62.81	162.58	-778.69	713.11	677.88	35.23	20.240	

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

Altitude Energy Partners

Anticollision Report



Company:	Kaiser-Francis Oil Company	Local Co-ordinate Reference:	Well Bell Lake Unit South 208H
Project:	Lea Co., NM (NAD-27)	TVD Reference:	KB=23' @ 3638.00usft (Cactus 166)
Reference Site:	Bell Lake Unit South	MD Reference:	KB=23' @ 3638.00usft (Cactus 166)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Bell Lake Unit South 208H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.1 Single User Db
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design: Bell Lake Unit South - Bell Lake Unit South 207H - OH - Plan #2													Offset Site Error: 0.00 usft
Survey Program: 0-MWD+HDGM													Offset Well Error: 0.00 usft
Reference		Offset		Semi Major Axis			Offset Wellbore Centre		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)		
5,100.00	5,092.84	5,006.97	4,896.39	18.20	21.22	-62.79	168.68	-804.68	736.68	700.70	35.98	20.474	
5,200.00	5,192.58	5,104.15	4,989.84	18.57	21.73	-62.77	174.77	-830.66	760.24	723.51	36.73	20.698	
5,300.00	5,292.33	5,201.34	5,083.28	18.93	22.23	-62.76	180.86	-856.64	783.81	746.33	37.48	20.912	
5,400.00	5,392.08	5,298.52	5,176.73	19.30	22.74	-62.74	186.96	-882.63	807.38	769.15	38.23	21.118	
5,500.00	5,491.83	5,395.70	5,270.18	19.67	23.25	-62.73	193.05	-908.61	830.94	791.96	38.98	21.315	
5,600.00	5,591.57	5,492.89	5,363.62	20.04	23.75	-62.71	199.14	-934.59	854.51	814.77	39.74	21.505	
5,700.00	5,691.32	5,590.07	5,457.07	20.40	24.26	-62.70	205.24	-960.57	878.08	837.59	40.49	21.688	
5,800.00	5,791.07	5,687.25	5,550.52	20.77	24.77	-62.68	211.33	-986.56	901.64	860.40	41.24	21.863	
5,900.00	5,890.81	5,784.44	5,643.96	21.14	25.28	-62.67	217.42	-1,012.54	925.21	883.22	41.99	22.032	
6,000.00	5,990.56	5,881.62	5,737.41	21.51	25.79	-62.66	223.52	-1,038.52	948.78	906.03	42.75	22.195	
6,100.00	6,090.31	5,978.80	5,830.86	21.87	26.30	-62.65	229.61	-1,064.50	972.34	928.84	43.50	22.352	
6,200.00	6,190.05	6,075.98	5,924.31	22.24	26.81	-62.64	235.71	-1,090.49	995.91	951.66	44.25	22.504	
6,300.00	6,289.80	6,173.17	6,017.75	22.61	27.32	-62.63	241.80	-1,116.47	1,019.48	974.47	45.01	22.650	
6,400.00	6,389.55	6,270.35	6,111.20	22.98	27.84	-62.62	247.89	-1,142.45	1,043.04	997.28	45.76	22.792	
6,500.00	6,489.29	6,367.53	6,204.65	23.34	28.35	-62.61	253.99	-1,168.43	1,066.61	1,020.09	46.52	22.928	
6,600.00	6,589.04	6,464.72	6,298.09	23.71	28.86	-62.60	260.08	-1,194.42	1,090.18	1,042.90	47.27	23.061	
6,700.00	6,688.79	6,561.90	6,391.54	24.08	29.37	-62.59	266.17	-1,220.40	1,113.74	1,065.71	48.03	23.188	
6,800.00	6,788.53	6,659.08	6,484.99	24.45	29.89	-62.59	272.27	-1,246.38	1,137.31	1,088.53	48.79	23.312	
6,900.00	6,888.28	6,756.27	6,578.44	24.82	30.40	-62.58	278.36	-1,272.37	1,160.88	1,111.34	49.54	23.432	
7,000.00	6,988.03	6,853.45	6,671.88	25.18	30.91	-62.57	284.45	-1,298.35	1,184.45	1,134.15	50.30	23.548	
7,104.74	7,092.50	6,996.04	6,809.45	25.57	31.65	-62.58	293.01	-1,334.85	1,208.14	1,156.69	51.45	23.482	
7,200.00	7,187.57	7,155.64	6,965.33	25.92	32.39	-62.78	300.81	-1,368.08	1,225.28	1,172.65	52.63	23.279	
7,300.00	7,287.47	7,325.94	7,133.48	26.28	33.10	-62.93	306.92	-1,394.17	1,238.52	1,184.79	53.73	23.052	
7,400.00	7,387.42	7,498.24	7,304.93	26.64	33.72	-63.02	310.78	-1,410.62	1,246.77	1,192.12	54.65	22.813	
7,500.00	7,487.42	7,671.62	7,478.16	26.99	34.24	-63.05	312.28	-1,417.01	1,249.96	1,194.58	55.38	22.569	
7,512.58	7,500.00	7,693.46	7,500.00	27.04	34.30	-90.46	312.30	-1,417.09	1,250.00	1,194.54	55.46	22.539	
7,600.00	7,587.42	7,780.88	7,587.42	27.33	34.54	-90.46	312.30	-1,417.09	1,250.00	1,193.97	56.03	22.309	
7,700.00	7,687.42	7,880.88	7,687.42	27.68	34.82	-90.46	312.30	-1,417.09	1,250.00	1,193.30	56.70	22.045	
7,800.00	7,787.42	7,980.88	7,787.42	28.03	35.10	-90.46	312.30	-1,417.09	1,250.00	1,192.63	57.37	21.787	
7,900.00	7,887.42	8,080.88	7,887.42	28.39	35.38	-90.46	312.30	-1,417.09	1,250.00	1,191.96	58.05	21.535	
8,000.00	7,987.42	8,180.88	7,987.42	28.74	35.66	-90.46	312.30	-1,417.09	1,250.00	1,191.28	58.72	21.288	
8,100.00	8,087.42	8,280.88	8,087.42	29.09	35.94	-90.46	312.30	-1,417.09	1,250.00	1,190.61	59.39	21.046	
8,200.00	8,187.42	8,380.88	8,187.42	29.44	36.22	-90.46	312.30	-1,417.09	1,250.00	1,189.93	60.07	20.810	
8,300.00	8,287.42	8,480.88	8,287.42	29.79	36.51	-90.46	312.30	-1,417.09	1,250.00	1,189.26	60.74	20.578	
8,400.00	8,387.42	8,580.88	8,387.42	30.15	36.79	-90.46	312.30	-1,417.09	1,250.00	1,188.58	61.42	20.351	
8,500.00	8,487.42	8,680.88	8,487.42	30.50	37.08	-90.46	312.30	-1,417.09	1,250.00	1,187.90	62.10	20.129	
8,600.00	8,587.42	8,780.88	8,587.42	30.85	37.37	-90.46	312.30	-1,417.09	1,250.00	1,187.22	62.78	19.911	
8,700.00	8,687.42	8,880.88	8,687.42	31.21	37.66	-90.46	312.30	-1,417.09	1,250.00	1,186.54	63.46	19.698	
8,800.00	8,787.42	8,980.88	8,787.42	31.56	37.95	-90.46	312.30	-1,417.09	1,250.00	1,185.86	64.14	19.489	
8,900.00	8,887.42	9,080.88	8,887.42	31.91	38.24	-90.46	312.30	-1,417.09	1,250.00	1,185.18	64.82	19.284	
9,000.00	8,987.42	9,180.88	8,987.42	32.27	38.53	-90.46	312.30	-1,417.09	1,250.00	1,184.50	65.50	19.083	
9,100.00	9,087.42	9,280.88	9,087.42	32.62	38.83	-90.46	312.30	-1,417.09	1,250.00	1,183.82	66.19	18.886	
9,200.00	9,187.42	9,380.88	9,187.42	32.97	39.12	-90.46	312.30	-1,417.09	1,250.00	1,183.13	66.87	18.693	
9,300.00	9,287.42	9,480.88	9,287.42	33.33	39.42	-90.46	312.30	-1,417.09	1,250.00	1,182.45	67.55	18.504	
9,400.00	9,387.42	9,580.88	9,387.42	33.68	39.72	-90.46	312.30	-1,417.09	1,250.00	1,181.76	68.24	18.318	
9,500.00	9,487.42	9,680.88	9,487.42	34.04	40.02	-90.46	312.30	-1,417.09	1,250.00	1,181.08	68.92	18.136	
9,600.00	9,587.42	9,780.88	9,587.42	34.39	40.31	-90.46	312.30	-1,417.09	1,250.00	1,180.39	69.61	17.957	
9,700.00	9,687.42	9,880.88	9,687.42	34.74	40.61	-90.46	312.30	-1,417.09	1,250.00	1,179.70	70.30	17.782	
9,800.00	9,787.42	9,980.88	9,787.42	35.10	40.92	-90.46	312.30	-1,417.09	1,250.00	1,179.02	70.98	17.610	
9,900.00	9,887.42	10,080.88	9,887.42	35.45	41.22	-90.46	312.30	-1,417.09	1,250.00	1,178.33	71.67	17.441	
10,000.00	9,987.42	10,180.88	9,987.42	35.81	41.52	-90.46	312.30	-1,417.09	1,250.00	1,177.64	72.36	17.275	
10,100.00	10,087.42	10,280.88	10,087.42	36.16	41.83	-90.46	312.30	-1,417.09	1,250.00	1,176.95	73.05	17.112	

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

Altitude Energy Partners

Anticollision Report



Company:	Kaiser-Francis Oil Company	Local Co-ordinate Reference:	Well Bell Lake Unit South 208H
Project:	Lea Co., NM (NAD-27)	TVD Reference:	KB=23' @ 3638.00usft (Cactus 166)
Reference Site:	Bell Lake Unit South	MD Reference:	KB=23' @ 3638.00usft (Cactus 166)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Bell Lake Unit South 208H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.1 Single User Db
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design: Bell Lake Unit South - Bell Lake Unit South 207H - OH - Plan #2													Offset Site Error: 0.00 usft
Survey Program: 0-MWD+HDGM													Offset Well Error: 0.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
10,169.63	10,157.04	10,350.51	10,157.04	36.40	42.04	-90.46	312.30	-1,417.09	1,250.00	1,176.48	73.52	17.003	
10,184.92	10,172.34	10,365.80	10,172.34	36.45	42.08	90.00	312.30	-1,417.09	1,250.00	1,176.38	73.62	16.980	
10,200.00	10,187.40	10,380.87	10,187.40	36.49	42.13	90.03	312.30	-1,417.09	1,250.00	1,176.29	73.71	16.958	
10,250.00	10,237.15	10,430.67	10,237.20	36.65	42.28	90.25	312.28	-1,417.09	1,250.01	1,175.99	74.02	16.887	
10,300.00	10,286.29	10,481.00	10,287.45	36.79	42.41	90.54	309.61	-1,417.07	1,250.06	1,175.75	74.31	16.823	
10,350.00	10,334.45	10,531.93	10,337.85	36.93	42.55	90.84	302.45	-1,417.01	1,250.14	1,175.56	74.57	16.764	
10,400.00	10,381.26	10,583.46	10,388.01	37.06	42.68	91.13	290.66	-1,416.92	1,250.25	1,175.42	74.83	16.709	
10,450.00	10,426.36	10,635.62	10,437.48	37.18	42.79	91.41	274.21	-1,416.79	1,250.39	1,175.33	75.06	16.659	
10,500.00	10,469.41	10,688.39	10,485.80	37.29	42.90	91.68	253.04	-1,416.62	1,250.55	1,175.27	75.28	16.613	
10,550.00	10,510.09	10,741.78	10,532.50	37.40	43.00	91.95	227.21	-1,416.42	1,250.73	1,175.25	75.48	16.570	
10,600.00	10,548.07	10,795.77	10,577.07	37.49	43.09	92.19	196.77	-1,416.18	1,250.93	1,175.26	75.67	16.532	
10,650.00	10,583.08	10,850.35	10,619.01	37.58	43.16	92.43	161.88	-1,415.91	1,251.13	1,175.29	75.85	16.496	
10,700.00	10,614.85	10,905.48	10,657.81	37.66	43.22	92.64	122.75	-1,415.60	1,251.34	1,175.32	76.01	16.462	
10,750.00	10,643.14	10,961.12	10,692.99	37.74	43.26	92.83	79.66	-1,415.26	1,251.54	1,175.36	76.17	16.430	
10,800.00	10,667.72	11,017.24	10,724.06	37.82	43.29	93.00	32.95	-1,414.90	1,251.72	1,175.39	76.33	16.398	
10,850.00	10,688.42	11,073.78	10,750.59	37.91	43.31	93.14	-16.94	-1,414.50	1,251.89	1,175.40	76.49	16.367	
10,900.00	10,705.07	11,130.66	10,772.19	37.99	43.32	93.26	-69.54	-1,414.09	1,252.03	1,175.38	76.65	16.335	
10,950.00	10,717.56	11,187.83	10,788.54	38.08	43.32	93.34	-124.29	-1,413.66	1,252.13	1,175.33	76.81	16.302	
11,000.00	10,725.78	11,245.20	10,799.38	38.17	43.33	93.40	-180.60	-1,413.22	1,252.21	1,175.23	76.97	16.268	
11,050.00	10,729.66	11,302.69	10,804.55	38.26	43.33	93.43	-237.83	-1,412.77	1,252.24	1,175.10	77.15	16.232	
11,069.63	10,730.00	11,325.27	10,805.00	38.29	43.33	93.43	-260.41	-1,412.59	1,252.25	1,175.03	77.21	16.218	
11,100.00	10,730.00	11,355.68	10,805.00	38.35	43.34	93.43	-290.81	-1,412.35	1,252.25	1,174.93	77.32	16.195	
11,200.00	10,730.00	11,455.68	10,805.00	38.57	43.38	93.43	-390.81	-1,411.57	1,252.25	1,174.51	77.74	16.108	
11,300.00	10,730.00	11,555.68	10,805.00	38.85	43.45	93.43	-490.80	-1,410.78	1,252.25	1,173.99	78.26	16.001	
11,400.00	10,730.00	11,655.68	10,805.00	39.18	43.56	93.43	-590.80	-1,410.00	1,252.25	1,173.37	78.88	15.875	
11,500.00	10,730.00	11,755.68	10,805.00	39.55	43.72	93.43	-690.80	-1,409.21	1,252.25	1,172.65	79.60	15.732	
11,600.00	10,730.00	11,855.68	10,805.00	39.97	43.94	93.43	-790.80	-1,408.43	1,252.25	1,171.83	80.41	15.572	
11,700.00	10,730.00	11,955.68	10,805.00	40.44	44.21	93.43	-890.79	-1,407.64	1,252.25	1,170.92	81.32	15.398	
11,800.00	10,730.00	12,055.68	10,805.00	40.96	44.54	93.43	-990.79	-1,406.86	1,252.25	1,169.92	82.32	15.211	
11,900.00	10,730.00	12,155.68	10,805.00	41.52	44.93	93.43	-1,090.79	-1,406.07	1,252.25	1,168.84	83.41	15.013	
12,000.00	10,730.00	12,255.68	10,805.00	42.11	45.39	93.43	-1,190.78	-1,405.28	1,252.25	1,167.67	84.58	14.806	
12,100.00	10,730.00	12,355.68	10,805.00	42.75	45.90	93.43	-1,290.78	-1,404.50	1,252.25	1,166.42	85.83	14.590	
12,200.00	10,730.00	12,455.68	10,805.00	43.43	46.46	93.43	-1,390.78	-1,403.71	1,252.25	1,165.09	87.15	14.368	
12,300.00	10,730.00	12,555.68	10,805.00	44.14	47.08	93.43	-1,490.77	-1,402.93	1,252.25	1,163.69	88.55	14.141	
12,400.00	10,730.00	12,655.68	10,805.00	44.89	47.74	93.43	-1,590.77	-1,402.14	1,252.25	1,162.22	90.02	13.910	
12,500.00	10,730.00	12,755.68	10,805.00	45.67	48.44	93.43	-1,690.77	-1,401.36	1,252.25	1,160.69	91.56	13.677	
12,600.00	10,730.00	12,855.68	10,805.00	46.48	49.18	93.43	-1,790.76	-1,400.57	1,252.25	1,159.09	93.16	13.442	
12,700.00	10,730.00	12,955.68	10,805.00	47.33	49.95	93.43	-1,890.76	-1,399.79	1,252.25	1,157.43	94.82	13.207	
12,800.00	10,730.00	13,055.68	10,805.00	48.20	50.76	93.43	-1,990.76	-1,399.00	1,252.25	1,155.71	96.54	12.972	
12,900.00	10,730.00	13,155.68	10,805.00	49.09	51.59	93.43	-2,090.75	-1,398.22	1,252.25	1,153.94	98.31	12.738	
13,000.00	10,730.00	13,255.68	10,805.00	50.02	52.46	93.43	-2,190.75	-1,397.43	1,252.25	1,152.12	100.13	12.506	
13,100.00	10,730.00	13,355.68	10,805.00	50.96	53.35	93.43	-2,290.75	-1,396.65	1,252.25	1,150.25	102.00	12.277	
13,200.00	10,730.00	13,455.68	10,805.00	51.93	54.27	93.43	-2,390.75	-1,395.86	1,252.25	1,148.33	103.91	12.051	
13,300.00	10,730.00	13,555.68	10,805.00	52.92	55.21	93.43	-2,490.74	-1,395.08	1,252.25	1,146.37	105.87	11.828	
13,400.00	10,730.00	13,655.68	10,805.00	53.93	56.17	93.43	-2,590.74	-1,394.29	1,252.25	1,144.37	107.87	11.609	
13,500.00	10,730.00	13,755.68	10,805.00	54.96	57.15	93.43	-2,690.74	-1,393.50	1,252.25	1,142.34	109.91	11.393	
13,600.00	10,730.00	13,855.68	10,805.00	56.01	58.15	93.43	-2,790.73	-1,392.72	1,252.25	1,140.26	111.99	11.182	
13,700.00	10,730.00	13,955.68	10,805.00	57.07	59.17	93.43	-2,890.73	-1,391.93	1,252.25	1,138.15	114.09	10.975	
13,800.00	10,730.00	14,055.68	10,805.00	58.15	60.21	93.43	-2,990.73	-1,391.15	1,252.25	1,136.01	116.24	10.773	
13,900.00	10,730.00	14,155.68	10,805.00	59.25	61.27	93.43	-3,090.72	-1,390.36	1,252.25	1,133.84	118.41	10.575	
14,000.00	10,730.00	14,255.68	10,805.00	60.36	62.34	93.43	-3,190.72	-1,389.58	1,252.25	1,131.63	120.61	10.382	
14,100.00	10,730.00	14,355.68	10,805.00	61.48	63.42	93.43	-3,290.72	-1,388.79	1,252.25	1,129.40	122.84	10.194	

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

Altitude Energy Partners

Anticollision Report



Company:	Kaiser-Francis Oil Company	Local Co-ordinate Reference:	Well Bell Lake Unit South 208H
Project:	Lea Co., NM (NAD-27)	TVD Reference:	KB=23' @ 3638.00usft (Cactus 166)
Reference Site:	Bell Lake Unit South	MD Reference:	KB=23' @ 3638.00usft (Cactus 166)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Bell Lake Unit South 208H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.1 Single User Db
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design: Bell Lake Unit South - Bell Lake Unit South 207H - OH - Plan #2												Offset Site Error: 0.00 usft
Survey Program: 0-MWD+HDGM												Offset Well Error: 0.00 usft
Reference	Offset	Semi Major Axis		Distance		Rule Assigned:		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
14,200.00	10,730.00	14,455.68	10,805.00	62.61	64.52	93.43	-3,390.71	-1,388.01	1,252.25	1,127.15	125.10	10.010
14,300.00	10,730.00	14,555.68	10,805.00	63.76	65.63	93.43	-3,490.71	-1,387.22	1,252.25	1,124.87	127.38	9.831
14,400.00	10,730.00	14,655.68	10,805.00	64.92	66.76	93.43	-3,590.71	-1,386.44	1,252.24	1,122.56	129.68	9.656
14,500.00	10,730.00	14,755.68	10,805.00	66.09	67.89	93.43	-3,690.71	-1,385.65	1,252.24	1,120.23	132.01	9.486
14,600.00	10,730.00	14,855.68	10,805.00	67.27	69.04	93.43	-3,790.70	-1,384.87	1,252.24	1,117.89	134.36	9.320
14,700.00	10,730.00	14,955.68	10,805.00	68.47	70.20	93.43	-3,890.70	-1,384.08	1,252.24	1,115.52	136.73	9.159
14,800.00	10,730.00	15,055.68	10,805.00	69.67	71.37	93.43	-3,990.70	-1,383.30	1,252.24	1,113.13	139.11	9.002
14,900.00	10,730.00	15,155.68	10,805.00	70.87	72.55	93.43	-4,090.69	-1,382.51	1,252.24	1,110.73	141.52	8.849
15,000.00	10,730.00	15,255.68	10,805.00	72.09	73.74	93.43	-4,190.69	-1,381.72	1,252.24	1,108.30	143.94	8.700
15,100.00	10,730.00	15,355.68	10,805.00	73.32	74.93	93.43	-4,290.69	-1,380.94	1,252.24	1,105.87	146.38	8.555
15,200.00	10,730.00	15,455.68	10,805.00	74.55	76.14	93.43	-4,390.68	-1,380.15	1,252.24	1,103.41	148.83	8.414
15,300.00	10,730.00	15,555.68	10,805.00	75.79	77.35	93.43	-4,490.68	-1,379.37	1,252.24	1,100.94	151.30	8.277
15,400.00	10,730.00	15,655.68	10,805.00	77.04	78.57	93.43	-4,590.68	-1,378.58	1,252.24	1,098.46	153.78	8.143
15,500.00	10,730.00	15,755.68	10,805.00	78.29	79.80	93.43	-4,690.67	-1,377.80	1,252.24	1,095.96	156.28	8.013
15,600.00	10,730.00	15,855.68	10,805.00	79.55	81.03	93.43	-4,790.67	-1,377.01	1,252.24	1,093.46	158.79	7.886
15,700.00	10,730.00	15,955.68	10,805.00	80.82	82.27	93.43	-4,890.67	-1,376.23	1,252.24	1,090.93	161.31	7.763
15,800.00	10,730.00	16,055.68	10,805.00	82.09	83.52	93.43	-4,990.67	-1,375.44	1,252.24	1,088.40	163.84	7.643
15,900.00	10,730.00	16,155.68	10,805.00	83.37	84.78	93.43	-5,090.66	-1,374.66	1,252.24	1,085.86	166.38	7.526
16,000.00	10,730.00	16,255.68	10,805.00	84.65	86.04	93.43	-5,190.66	-1,373.87	1,252.24	1,083.31	168.94	7.412
16,100.00	10,730.00	16,355.68	10,805.00	85.93	87.30	93.43	-5,290.66	-1,373.09	1,252.24	1,080.74	171.50	7.302
16,200.00	10,730.00	16,455.68	10,805.00	87.23	88.57	93.43	-5,390.65	-1,372.30	1,252.24	1,078.17	174.08	7.194
16,300.00	10,730.00	16,555.68	10,805.00	88.52	89.85	93.43	-5,490.65	-1,371.52	1,252.24	1,075.58	176.66	7.088
16,400.00	10,730.00	16,655.68	10,805.00	89.82	91.13	93.43	-5,590.65	-1,370.73	1,252.24	1,072.99	179.25	6.986
16,500.00	10,730.00	16,755.68	10,805.00	91.13	92.41	93.43	-5,690.64	-1,369.94	1,252.24	1,070.39	181.85	6.886
16,600.00	10,730.00	16,855.68	10,805.00	92.44	93.70	93.43	-5,790.64	-1,369.16	1,252.24	1,067.78	184.46	6.789
16,700.00	10,730.00	16,955.68	10,805.00	93.75	94.99	93.43	-5,890.64	-1,368.37	1,252.24	1,065.17	187.07	6.694
16,800.00	10,730.00	17,055.68	10,805.00	95.06	96.29	93.43	-5,990.63	-1,367.59	1,252.24	1,062.55	189.70	6.601
16,900.00	10,730.00	17,155.68	10,805.00	96.38	97.59	93.43	-6,090.63	-1,366.80	1,252.24	1,059.92	192.33	6.511
17,000.00	10,730.00	17,255.68	10,805.00	97.71	98.90	93.43	-6,190.63	-1,366.02	1,252.24	1,057.28	194.96	6.423
17,100.00	10,730.00	17,355.68	10,805.00	99.03	100.20	93.43	-6,290.63	-1,365.23	1,252.24	1,054.63	197.61	6.337
17,200.00	10,730.00	17,455.68	10,805.00	100.36	101.52	93.43	-6,390.62	-1,364.45	1,252.24	1,051.98	200.26	6.253
17,300.00	10,730.00	17,555.68	10,805.00	101.69	102.83	93.43	-6,490.62	-1,363.66	1,252.24	1,049.33	202.91	6.171
17,400.00	10,730.00	17,655.68	10,805.00	103.03	104.15	93.43	-6,590.62	-1,362.88	1,252.24	1,046.67	205.58	6.091
17,500.00	10,730.00	17,755.68	10,805.00	104.37	105.47	93.43	-6,690.61	-1,362.09	1,252.24	1,044.00	208.24	6.013
17,600.00	10,730.00	17,855.68	10,805.00	105.71	106.80	93.43	-6,790.61	-1,361.31	1,252.24	1,041.33	210.92	5.937
17,700.00	10,730.00	17,955.68	10,805.00	107.05	108.12	93.43	-6,890.61	-1,360.52	1,252.24	1,038.65	213.59	5.863
17,800.00	10,730.00	18,055.68	10,805.00	108.39	109.46	93.43	-6,990.60	-1,359.74	1,252.24	1,035.96	216.28	5.790
17,900.00	10,730.00	18,155.68	10,805.00	109.74	110.79	93.43	-7,090.60	-1,358.95	1,252.24	1,033.28	218.96	5.719
18,000.00	10,730.00	18,255.68	10,805.00	111.09	112.12	93.43	-7,190.60	-1,358.16	1,252.24	1,030.58	221.66	5.649
18,100.00	10,730.00	18,355.68	10,805.00	112.44	113.46	93.43	-7,290.59	-1,357.38	1,252.24	1,027.89	224.35	5.582
18,200.00	10,730.00	18,455.68	10,805.00	113.80	114.80	93.43	-7,390.59	-1,356.59	1,252.24	1,025.19	227.06	5.515
18,300.00	10,730.00	18,555.68	10,805.00	115.15	116.15	93.43	-7,490.59	-1,355.81	1,252.24	1,022.48	229.76	5.450
18,400.00	10,730.00	18,655.68	10,805.00	116.51	117.49	93.43	-7,590.59	-1,355.02	1,252.24	1,019.77	232.47	5.387
18,500.00	10,730.00	18,755.68	10,805.00	117.87	118.84	93.43	-7,690.58	-1,354.24	1,252.24	1,017.06	235.18	5.325
18,600.00	10,730.00	18,855.68	10,805.00	119.23	120.19	93.43	-7,790.58	-1,353.45	1,252.24	1,014.34	237.90	5.264
18,700.00	10,730.00	18,955.68	10,805.00	120.60	121.54	93.43	-7,890.58	-1,352.67	1,252.24	1,011.62	240.62	5.204
18,789.48	10,730.00	19,045.16	10,805.00	121.82	122.75	93.43	-7,980.06	-1,351.96	1,252.24	1,009.18	243.06	5.152

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

Altitude Energy Partners

Anticollision Report



Company:	Kaiser-Francis Oil Company	Local Co-ordinate Reference:	Well Bell Lake Unit South 208H
Project:	Lea Co., NM (NAD-27)	TVD Reference:	KB=23' @ 3638.00usft (Cactus 166)
Reference Site:	Bell Lake Unit South	MD Reference:	KB=23' @ 3638.00usft (Cactus 166)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Bell Lake Unit South 208H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.1 Single User Db
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design: Bell Lake Unit South - Bell Lake Unit South 408H - OH - Plan #1												Offset Site Error:	0.00 usft
Survey Program: 0-MWD+HDGM												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	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	0.00	0.00	0.00	0.00	0.74	20.00	0.26	20.00				
100.00	100.00	100.00	100.00	0.14	0.14	0.74	20.00	0.26	20.00	19.73	0.28	72.464	
200.00	200.00	200.00	200.00	0.50	0.50	0.74	20.00	0.26	20.00	19.01	0.99	20.143	
300.00	300.00	300.00	300.00	0.85	0.85	0.74	20.00	0.26	20.00	18.29	1.71	11.698	
400.00	400.00	400.00	400.00	1.21	1.21	0.74	20.00	0.26	20.00	17.57	2.43	8.242	
500.00	500.00	500.00	500.00	1.57	1.57	0.74	20.00	0.26	20.00	16.86	3.14	6.362	
600.00	600.00	600.00	600.00	1.93	1.93	0.74	20.00	0.26	20.00	16.14	3.86	5.181	
700.00	700.00	700.00	700.00	2.29	2.29	0.74	20.00	0.26	20.00	15.42	4.58	4.369	
800.00	800.00	800.00	800.00	2.65	2.65	0.74	20.00	0.26	20.00	14.71	5.29	3.778	
900.00	900.00	900.00	900.00	3.01	3.01	0.74	20.00	0.26	20.00	13.99	6.01	3.327	
1,000.00	1,000.00	1,000.00	1,000.00	3.36	3.36	0.74	20.00	0.26	20.00	13.27	6.73	2.973	
1,100.00	1,100.00	1,100.00	1,100.00	3.72	3.72	0.74	20.00	0.26	20.00	12.56	7.45	2.686	
1,200.00	1,200.00	1,200.00	1,200.00	4.08	4.08	0.74	20.00	0.26	20.00	11.84	8.16	2.450	
1,300.00	1,300.00	1,300.00	1,300.00	4.44	4.44	0.74	20.00	0.26	20.00	11.12	8.88	2.253	
1,400.00	1,400.00	1,400.00	1,400.00	4.80	4.80	0.74	20.00	0.26	20.00	10.41	9.60	2.084	
1,500.00	1,500.00	1,500.00	1,500.00	5.16	5.16	0.74	20.00	0.26	20.00	9.69	10.31	1.939	Collision Risk Procedures Req.
1,600.00	1,600.00	1,600.00	1,600.00	5.52	5.52	0.74	20.00	0.26	20.00	8.97	11.03	1.813	Collision Risk Procedures Req., CC, E
1,700.00	1,700.00	1,699.70	1,699.68	5.87	5.87	-3.71	20.67	-1.34	20.72	8.98	11.74	1.765	Collision Risk Procedures Req., SF
1,800.00	1,800.00	1,799.16	1,799.00	6.23	6.22	-15.12	22.67	-6.12	23.50	11.07	12.44	1.890	Collision Risk Procedures Req.
1,900.00	1,900.00	1,898.14	1,897.60	6.59	6.56	-28.39	25.98	-14.04	29.63	16.51	13.12	2.258	
2,000.00	2,000.00	1,996.41	1,995.15	6.95	6.92	-39.28	30.57	-25.00	39.79	26.01	13.78	2.888	
2,100.00	2,099.99	2,095.49	2,093.26	7.31	7.28	-19.29	35.88	-37.71	51.67	37.20	14.47	3.571	
2,200.00	2,199.96	2,194.76	2,191.57	7.66	7.64	-24.53	41.21	-50.44	62.51	47.34	15.17	4.122	
2,300.00	2,299.86	2,294.16	2,290.00	8.02	8.01	-28.84	46.54	-63.19	72.20	56.33	15.87	4.550	
2,407.85	2,407.50	2,401.46	2,396.26	8.41	8.41	-33.06	52.30	-76.96	81.36	64.73	16.63	4.893	
2,500.00	2,499.42	2,493.19	2,487.10	8.74	8.76	-36.34	57.22	-88.72	88.77	71.49	17.28	5.137	
2,600.00	2,599.17	2,592.72	2,585.67	9.09	9.13	-39.32	62.56	-101.49	97.10	79.10	17.99	5.397	
2,700.00	2,698.92	2,692.26	2,684.24	9.45	9.51	-41.82	67.90	-114.26	105.64	86.93	18.70	5.648	
2,800.00	2,798.66	2,791.80	2,782.81	9.81	9.90	-43.95	73.24	-127.02	114.35	94.93	19.42	5.888	
2,900.00	2,898.41	2,891.33	2,881.38	10.17	10.28	-45.77	78.58	-139.79	123.20	103.06	20.14	6.118	
3,000.00	2,998.16	2,990.87	2,979.95	10.54	10.66	-47.35	83.92	-152.56	132.15	111.30	20.86	6.336	
3,100.00	3,097.90	3,090.41	3,078.52	10.90	11.05	-48.73	89.26	-165.33	141.19	119.62	21.58	6.543	
3,200.00	3,197.65	3,189.94	3,177.09	11.26	11.44	-49.94	94.60	-178.09	150.31	128.01	22.30	6.740	
3,300.00	3,297.40	3,289.48	3,275.66	11.62	11.83	-51.01	99.94	-190.86	159.48	136.46	23.02	6.926	
3,400.00	3,397.14	3,389.02	3,374.23	11.99	12.21	-51.97	105.28	-203.63	168.70	144.95	23.75	7.103	
3,500.00	3,496.89	3,488.55	3,472.80	12.35	12.61	-52.82	110.62	-216.40	177.96	153.49	24.48	7.271	
3,600.00	3,596.64	3,588.09	3,571.37	12.71	13.00	-53.60	115.96	-229.16	187.26	162.06	25.20	7.430	
3,700.00	3,696.38	3,687.63	3,669.94	13.08	13.39	-54.29	121.30	-241.93	196.59	170.66	25.93	7.581	
3,800.00	3,796.13	3,787.16	3,768.51	13.44	13.78	-54.93	126.64	-254.70	205.95	179.29	26.66	7.725	
3,900.00	3,895.88	3,886.70	3,867.08	13.81	14.17	-55.51	131.98	-267.47	215.33	187.94	27.39	7.862	
4,000.00	3,995.62	3,986.24	3,965.65	14.17	14.57	-56.04	137.32	-280.23	224.73	196.61	28.12	7.992	
4,100.00	4,095.37	4,085.77	4,064.22	14.54	14.96	-56.53	142.66	-293.00	234.14	205.29	28.85	8.116	
4,200.00	4,195.12	4,185.31	4,162.79	14.90	15.36	-56.98	148.00	-305.77	243.57	213.99	29.58	8.234	
4,300.00	4,294.86	4,284.85	4,261.36	15.27	15.75	-57.40	153.34	-318.54	253.02	222.71	30.31	8.347	
4,400.00	4,394.61	4,384.38	4,359.93	15.64	16.15	-57.79	158.68	-331.30	262.48	231.43	31.05	8.454	
4,500.00	4,494.36	4,483.92	4,458.50	16.00	16.54	-58.15	164.02	-344.07	271.95	240.17	31.78	8.557	
4,600.00	4,594.10	4,583.46	4,557.07	16.37	16.94	-58.48	169.36	-356.84	281.43	248.91	32.51	8.656	
4,700.00	4,693.85	4,682.99	4,655.64	16.73	17.34	-58.80	174.70	-369.61	290.91	257.67	33.25	8.750	
4,800.00	4,793.60	4,782.53	4,754.21	17.10	17.73	-59.09	180.04	-382.37	300.41	266.43	33.98	8.840	
4,900.00	4,893.34	4,882.07	4,852.78	17.47	18.13	-59.37	185.38	-395.14	309.91	275.20	34.72	8.927	
5,000.00	4,993.09	4,981.60	4,951.35	17.83	18.53	-59.63	190.72	-407.91	319.42	283.97	35.45	9.010	
5,100.00	5,092.84	5,081.14	5,049.92	18.20	18.93	-59.87	196.06	-420.68	328.94	292.75	36.19	9.090	

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

Altitude Energy Partners

Anticollision Report



Company:	Kaiser-Francis Oil Company	Local Co-ordinate Reference:	Well Bell Lake Unit South 208H
Project:	Lea Co., NM (NAD-27)	TVD Reference:	KB=23' @ 3638.00usft (Cactus 166)
Reference Site:	Bell Lake Unit South	MD Reference:	KB=23' @ 3638.00usft (Cactus 166)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Bell Lake Unit South 208H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.1 Single User Db
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design: Bell Lake Unit South - Bell Lake Unit South 408H - OH - Plan #1													Offset Site Error:	0.00 usft	
Survey Program:		0-MWD+HDGM		Offset		Semi Major Axis		Offset Wellbore Centre		Rule Assigned:				Offset Well Error:	0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
5,200.00	5,192.58	5,180.68	5,148.49	18.57	19.33	-60.10	201.40	-433.44	338.46	301.54	36.92	9.167			
5,300.00	5,292.33	5,280.21	5,247.05	18.93	19.72	-60.32	206.74	-446.21	347.99	310.33	37.66	9.241			
5,400.00	5,392.08	5,379.75	5,345.62	19.30	20.12	-60.53	212.08	-458.98	357.52	319.13	38.39	9.312			
5,500.00	5,491.83	5,479.29	5,444.19	19.67	20.52	-60.72	217.42	-471.75	367.06	327.93	39.13	9.380			
5,600.00	5,591.57	5,578.82	5,542.76	20.04	20.92	-60.91	222.76	-484.51	376.60	336.73	39.87	9.446			
5,700.00	5,691.32	5,678.36	5,641.33	20.40	21.32	-61.09	228.10	-497.28	386.14	345.54	40.60	9.510			
5,800.00	5,791.07	5,777.90	5,739.90	20.77	21.72	-61.26	233.44	-510.05	395.69	354.35	41.34	9.571			
5,900.00	5,890.81	5,877.43	5,838.47	21.14	22.12	-61.42	238.78	-522.82	405.24	363.16	42.08	9.630			
6,000.00	5,990.56	5,976.97	5,937.04	21.51	22.52	-61.57	244.12	-535.59	414.79	371.98	42.82	9.688			
6,100.00	6,090.31	6,076.51	6,035.61	21.87	22.92	-61.71	249.46	-548.35	424.35	380.80	43.55	9.743			
6,200.00	6,190.05	6,176.04	6,134.18	22.24	23.32	-61.85	254.80	-561.12	433.91	389.62	44.29	9.796			
6,300.00	6,289.80	6,275.58	6,232.75	22.61	23.72	-61.99	260.14	-573.89	443.47	398.44	45.03	9.848			
6,400.00	6,389.55	6,375.12	6,331.32	22.98	24.12	-62.12	265.48	-586.66	453.03	407.27	45.77	9.898			
6,500.00	6,489.29	6,474.65	6,429.89	23.34	24.52	-62.24	270.82	-599.42	462.60	416.09	46.51	9.947			
6,600.00	6,589.04	6,574.19	6,528.46	23.71	24.92	-62.36	276.16	-612.19	472.17	424.92	47.25	9.994			
6,700.00	6,688.79	6,673.73	6,627.03	24.08	25.32	-62.47	281.50	-624.96	481.74	433.75	47.98	10.039			
6,800.00	6,788.53	6,773.26	6,725.60	24.45	25.72	-62.58	286.84	-637.73	491.31	442.59	48.72	10.084			
6,900.00	6,888.28	6,872.80	6,824.17	24.82	26.12	-62.68	292.18	-650.49	500.88	451.42	49.46	10.126			
7,000.00	6,988.03	6,972.34	6,922.74	25.18	26.52	-62.78	297.52	-663.26	510.46	460.26	50.20	10.168			
7,104.74	7,092.50	7,076.59	7,025.98	25.57	26.94	-62.89	303.11	-676.63	520.49	469.51	50.98	10.210			
7,200.00	7,187.57	7,175.13	7,123.58	25.92	27.34	-62.98	308.37	-689.20	529.91	478.20	51.71	10.248			
7,300.00	7,287.47	7,295.42	7,243.12	26.28	27.80	-63.02	313.50	-701.46	538.01	485.42	52.58	10.232			
7,400.00	7,387.42	7,416.26	7,363.66	26.64	28.24	-63.04	316.70	-709.11	543.03	489.65	53.38	10.173			
7,500.00	7,487.42	7,537.39	7,484.75	26.99	28.66	-63.05	317.93	-712.07	544.97	490.87	54.10	10.073			
7,512.58	7,500.00	7,552.64	7,500.00	27.04	28.71	-90.46	317.95	-712.11	545.00	490.81	54.18	10.058			
7,600.00	7,587.42	7,640.06	7,587.42	27.33	28.99	-90.46	317.95	-712.11	545.00	490.23	54.77	9.951			
7,700.00	7,687.42	7,740.06	7,687.42	27.68	29.31	-90.46	317.95	-712.11	545.00	489.53	55.46	9.826			
7,800.00	7,787.42	7,840.06	7,787.42	28.03	29.64	-90.46	317.95	-712.11	545.00	488.84	56.16	9.705			
7,900.00	7,887.42	7,940.06	7,887.42	28.39	29.97	-90.46	317.95	-712.11	545.00	488.15	56.85	9.587			
8,000.00	7,987.42	8,040.06	7,987.42	28.74	30.30	-90.46	317.95	-712.11	545.00	487.45	57.54	9.471			
8,100.00	8,087.42	8,140.06	8,087.42	29.09	30.63	-90.46	317.95	-712.11	545.00	486.76	58.24	9.358			
8,200.00	8,187.42	8,240.06	8,187.42	29.44	30.96	-90.46	317.95	-712.11	545.00	486.06	58.93	9.248			
8,300.00	8,287.42	8,340.06	8,287.42	29.79	31.30	-90.46	317.95	-712.11	545.00	485.37	59.63	9.140			
8,400.00	8,387.42	8,440.06	8,387.42	30.15	31.63	-90.46	317.95	-712.11	545.00	484.67	60.33	9.034			
8,500.00	8,487.42	8,540.06	8,487.42	30.50	31.96	-90.46	317.95	-712.11	545.00	483.97	61.02	8.931			
8,600.00	8,587.42	8,640.06	8,587.42	30.85	32.30	-90.46	317.95	-712.11	545.00	483.28	61.72	8.830			
8,700.00	8,687.42	8,740.06	8,687.42	31.21	32.63	-90.46	317.95	-712.11	545.00	482.58	62.42	8.731			
8,800.00	8,787.42	8,840.06	8,787.42	31.56	32.96	-90.46	317.95	-712.11	545.00	481.88	63.12	8.635			
8,900.00	8,887.42	8,940.06	8,887.42	31.91	33.30	-90.46	317.95	-712.11	545.00	481.18	63.81	8.540			
9,000.00	8,987.42	9,040.06	8,987.42	32.27	33.64	-90.46	317.95	-712.11	545.00	480.48	64.51	8.448			
9,100.00	9,087.42	9,140.06	9,087.42	32.62	33.97	-90.46	317.95	-712.11	545.00	479.78	65.21	8.357			
9,200.00	9,187.42	9,240.06	9,187.42	32.97	34.31	-90.46	317.95	-712.11	545.00	479.09	65.91	8.269			
9,300.00	9,287.42	9,340.06	9,287.42	33.33	34.64	-90.46	317.95	-712.11	545.00	478.39	66.61	8.182			
9,400.00	9,387.42	9,440.06	9,387.42	33.68	34.98	-90.46	317.95	-712.11	545.00	477.68	67.31	8.096			
9,500.00	9,487.42	9,540.06	9,487.42	34.04	35.32	-90.46	317.95	-712.11	545.00	476.98	68.01	8.013			
9,600.00	9,587.42	9,640.06	9,587.42	34.39	35.66	-90.46	317.95	-712.11	545.00	476.28	68.71	7.931			
9,700.00	9,687.42	9,740.06	9,687.42	34.74	36.00	-90.46	317.95	-712.11	545.00	475.58	69.42	7.851			
9,800.00	9,787.42	9,840.06	9,787.42	35.10	36.34	-90.46	317.95	-712.11	545.00	474.88	70.12	7.773			
9,900.00	9,887.42	9,940.06	9,887.42	35.45	36.68	-90.46	317.95	-712.11	545.00	474.18	70.82	7.696			
10,000.00	9,987.42	10,040.06	9,987.42	35.81	37.01	-90.46	317.95	-712.11	545.00	473.48	71.52	7.620			
10,100.00	10,087.42	10,140.06	10,087.42	36.16	37.35	-90.46	317.95	-712.11	545.00	472.77	72.22	7.546			
10,169.63	10,157.04	10,209.69	10,157.04	36.40	37.59	-90.46	317.95	-712.11	545.00	472.29	72.70	7.496			

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

Altitude Energy Partners

Anticollision Report



Company:	Kaiser-Francis Oil Company	Local Co-ordinate Reference:	Well Bell Lake Unit South 208H
Project:	Lea Co., NM (NAD-27)	TVD Reference:	KB=23' @ 3638.00usft (Cactus 166)
Reference Site:	Bell Lake Unit South	MD Reference:	KB=23' @ 3638.00usft (Cactus 166)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Bell Lake Unit South 208H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.1 Single User Db
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design: Bell Lake Unit South - Bell Lake Unit South 408H - OH - Plan #1													Offset Site Error: 0.00 usft
Survey Program: 0-MWD+HDGM													Offset Well Error: 0.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
10,179.80	10,167.22	10,219.86	10,167.22	36.43	37.63	90.00	317.95	-712.11	545.00	472.23	72.77	7.489	
10,200.00	10,187.40	10,240.05	10,187.40	36.49	37.70	90.08	317.95	-712.11	545.00	472.09	72.90	7.476	
10,250.00	10,237.15	10,289.80	10,237.15	36.65	37.86	90.58	317.95	-712.11	545.03	471.80	73.22	7.444	
10,300.00	10,286.29	10,338.94	10,286.29	36.79	38.03	91.50	317.95	-712.11	545.20	471.67	73.52	7.415	
10,350.00	10,334.45	10,387.10	10,334.45	36.93	38.20	92.80	317.95	-712.11	545.72	471.91	73.81	7.394	
10,400.00	10,381.26	10,433.90	10,381.26	37.06	38.36	94.40	317.95	-712.11	546.90	472.83	74.07	7.383	
10,450.00	10,426.36	10,479.00	10,426.36	37.18	38.51	96.21	317.95	-712.11	549.12	474.80	74.32	7.388	
10,500.00	10,469.41	10,522.06	10,469.41	37.29	38.66	98.10	317.95	-712.11	552.80	478.24	74.56	7.414	
10,550.00	10,510.09	10,562.73	10,510.09	37.40	38.80	99.97	317.95	-712.11	558.40	483.61	74.79	7.467	
10,600.00	10,548.07	10,600.72	10,548.07	37.49	38.93	101.68	317.95	-712.11	566.36	491.36	75.00	7.551	
10,650.00	10,583.08	10,635.73	10,583.08	37.58	39.05	103.11	317.95	-712.11	577.09	501.87	75.22	7.672	
10,700.00	10,614.85	10,667.50	10,614.85	37.66	39.15	104.14	317.95	-712.11	590.90	515.48	75.42	7.835	
10,750.00	10,643.14	10,695.78	10,643.14	37.74	39.25	104.67	317.95	-712.11	608.02	532.40	75.62	8.041	
10,800.00	10,667.72	10,720.37	10,667.72	37.82	39.33	104.60	317.95	-712.11	628.53	552.72	75.81	8.291	
10,850.00	10,688.42	10,741.06	10,688.42	37.91	39.41	103.82	317.95	-712.11	652.38	576.40	75.99	8.586	
10,900.00	10,705.07	10,757.72	10,705.07	37.99	39.46	102.25	317.95	-712.11	679.43	603.28	76.15	8.922	
10,950.00	10,717.56	10,770.20	10,717.56	38.08	39.51	99.80	317.95	-712.11	709.39	633.10	76.29	9.298	
11,000.00	10,725.78	10,778.42	10,725.78	38.17	39.53	96.39	317.95	-712.11	741.92	665.51	76.42	9.709	
11,050.00	10,729.66	10,782.31	10,729.66	38.26	39.55	91.99	317.95	-712.11	776.60	700.08	76.52	10.150	
11,069.63	10,730.00	10,782.64	10,730.00	38.29	39.55	90.00	317.95	-712.11	790.70	714.15	76.55	10.329	
11,100.00	10,730.00	10,782.64	10,730.00	38.35	39.55	90.00	317.95	-712.11	812.97	736.37	76.60	10.614	
11,200.00	10,730.00	10,782.64	10,730.00	38.57	39.55	90.00	317.95	-712.11	889.70	812.95	76.75	11.592	
11,300.00	10,730.00	12,049.97	11,440.00	38.85	41.82	142.49	-485.27	-705.80	895.05	835.93	59.13	15.138	
11,400.00	10,730.00	12,149.97	11,440.00	39.18	42.12	142.49	-585.26	-705.02	895.05	835.49	59.57	15.026	
11,500.00	10,730.00	12,249.97	11,440.00	39.55	42.48	142.49	-685.26	-704.23	895.05	834.98	60.08	14.898	
11,600.00	10,730.00	12,349.97	11,440.00	39.97	42.89	142.49	-785.26	-703.45	895.05	834.39	60.66	14.754	
11,700.00	10,730.00	12,449.97	11,440.00	40.44	43.33	142.49	-885.25	-702.66	895.05	833.74	61.32	14.597	
11,800.00	10,730.00	12,549.97	11,440.00	40.96	43.83	142.49	-985.25	-701.88	895.05	833.01	62.04	14.427	
11,900.00	10,730.00	12,649.97	11,440.00	41.52	44.36	142.49	-1,085.25	-701.09	895.05	832.23	62.83	14.246	
12,000.00	10,730.00	12,749.97	11,440.00	42.11	44.93	142.49	-1,185.25	-700.31	895.05	831.37	63.68	14.056	
12,100.00	10,730.00	12,849.97	11,440.00	42.75	45.54	142.49	-1,285.24	-699.52	895.05	830.46	64.59	13.857	
12,200.00	10,730.00	12,949.97	11,440.00	43.43	46.19	142.49	-1,385.24	-698.73	895.05	829.50	65.56	13.653	
12,300.00	10,730.00	13,049.97	11,440.00	44.14	46.87	142.49	-1,485.24	-697.95	895.05	828.47	66.58	13.443	
12,400.00	10,730.00	13,149.97	11,440.00	44.89	47.58	142.49	-1,585.23	-697.16	895.05	827.39	67.66	13.229	
12,500.00	10,730.00	13,249.97	11,440.00	45.67	48.32	142.49	-1,685.23	-696.38	895.05	826.27	68.79	13.012	
12,600.00	10,730.00	13,349.97	11,440.00	46.48	49.10	142.49	-1,785.23	-695.59	895.05	825.09	69.96	12.794	
12,700.00	10,730.00	13,449.97	11,440.00	47.33	49.90	142.49	-1,885.22	-694.81	895.05	823.87	71.18	12.574	
12,800.00	10,730.00	13,549.97	11,440.00	48.20	50.74	142.49	-1,985.22	-694.02	895.05	822.61	72.45	12.355	
12,900.00	10,730.00	13,649.97	11,440.00	49.09	51.60	142.49	-2,085.22	-693.24	895.05	821.30	73.75	12.136	
13,000.00	10,730.00	13,749.97	11,440.00	50.02	52.48	142.49	-2,185.21	-692.45	895.05	819.96	75.09	11.919	
13,100.00	10,730.00	13,849.97	11,440.00	50.96	53.39	142.49	-2,285.21	-691.67	895.05	818.58	76.47	11.704	
13,200.00	10,730.00	13,949.97	11,440.00	51.93	54.32	142.49	-2,385.21	-690.88	895.05	817.17	77.89	11.491	
13,300.00	10,730.00	14,049.97	11,440.00	52.92	55.27	142.49	-2,485.21	-690.10	895.05	815.72	79.34	11.282	
13,400.00	10,730.00	14,149.97	11,440.00	53.93	56.24	142.49	-2,585.20	-689.31	895.05	814.24	80.82	11.075	
13,500.00	10,730.00	14,249.97	11,440.00	54.96	57.24	142.49	-2,685.20	-688.53	895.05	812.73	82.32	10.872	
13,600.00	10,730.00	14,349.97	11,440.00	56.01	58.25	142.49	-2,785.20	-687.74	895.05	811.19	83.86	10.673	
13,700.00	10,730.00	14,449.97	11,440.00	57.07	59.27	142.49	-2,885.19	-686.96	895.05	809.63	85.42	10.478	
13,800.00	10,730.00	14,549.97	11,440.00	58.15	60.32	142.49	-2,985.19	-686.17	895.05	808.04	87.01	10.286	
13,900.00	10,730.00	14,649.97	11,440.00	59.25	61.38	142.49	-3,085.19	-685.39	895.05	806.43	88.62	10.099	
14,000.00	10,730.00	14,749.97	11,440.00	60.36	62.46	142.49	-3,185.18	-684.60	895.05	804.80	90.26	9.916	
14,100.00	10,730.00	14,849.97	11,440.00	61.48	63.54	142.49	-3,285.18	-683.82	895.05	803.14	91.91	9.738	
14,200.00	10,730.00	14,949.97	11,440.00	62.61	64.65	142.49	-3,385.18	-683.03	895.05	801.46	93.59	9.564	

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

Altitude Energy Partners

Anticollision Report



Company:	Kaiser-Francis Oil Company	Local Co-ordinate Reference:	Well Bell Lake Unit South 208H
Project:	Lea Co., NM (NAD-27)	TVD Reference:	KB=23' @ 3638.00usft (Cactus 166)
Reference Site:	Bell Lake Unit South	MD Reference:	KB=23' @ 3638.00usft (Cactus 166)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Bell Lake Unit South 208H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.1 Single User Db
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design: Bell Lake Unit South - Bell Lake Unit South 408H - OH - Plan #1												Offset Site Error: 0.00 usft
Survey Program: 0-MWD+HDGM												Offset Well Error: 0.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)		
14,300.00	10,730.00	15,049.97	11,440.00	63.76	65.76	142.49	-3,485.17	-682.24	895.05	799.77	95.28	9.393
14,400.00	10,730.00	15,149.97	11,440.00	64.92	66.89	142.49	-3,585.17	-681.46	895.05	798.06	97.00	9.228
14,500.00	10,730.00	15,249.97	11,440.00	66.09	68.03	142.49	-3,685.17	-680.67	895.05	796.33	98.73	9.066
14,600.00	10,730.00	15,349.97	11,440.00	67.27	69.18	142.49	-3,785.17	-679.89	895.05	794.58	100.47	8.908
14,700.00	10,730.00	15,449.97	11,440.00	68.47	70.35	142.49	-3,885.16	-679.10	895.05	792.82	102.23	8.755
14,800.00	10,730.00	15,549.97	11,440.00	69.67	71.52	142.49	-3,985.16	-678.32	895.05	791.04	104.01	8.605
14,900.00	10,730.00	15,649.97	11,440.00	70.87	72.70	142.49	-4,085.16	-677.53	895.05	789.25	105.80	8.460
15,000.00	10,730.00	15,749.97	11,440.00	72.09	73.89	142.49	-4,185.15	-676.75	895.05	787.45	107.60	8.318
15,100.00	10,730.00	15,849.97	11,440.00	73.32	75.09	142.49	-4,285.15	-675.96	895.05	785.64	109.42	8.180
15,200.00	10,730.00	15,949.97	11,440.00	74.55	76.30	142.49	-4,385.15	-675.18	895.05	783.81	111.25	8.046
15,300.00	10,730.00	16,049.97	11,440.00	75.79	77.51	142.49	-4,485.14	-674.39	895.05	781.97	113.08	7.915
15,400.00	10,730.00	16,149.97	11,440.00	77.04	78.73	142.49	-4,585.14	-673.61	895.05	780.12	114.93	7.788
15,500.00	10,730.00	16,249.97	11,440.00	78.29	79.96	142.49	-4,685.14	-672.82	895.05	778.26	116.79	7.664
15,600.00	10,730.00	16,349.97	11,440.00	79.55	81.20	142.49	-4,785.13	-672.04	895.05	776.39	118.66	7.543
15,700.00	10,730.00	16,449.97	11,440.00	80.82	82.44	142.49	-4,885.13	-671.25	895.05	774.51	120.54	7.425
15,800.00	10,730.00	16,549.97	11,440.00	82.09	83.69	142.49	-4,985.13	-670.47	895.05	772.62	122.43	7.311
15,900.00	10,730.00	16,649.97	11,440.00	83.37	84.95	142.49	-5,085.13	-669.68	895.05	770.73	124.33	7.199
16,000.00	10,730.00	16,749.97	11,440.00	84.65	86.21	142.49	-5,185.12	-668.90	895.05	768.82	126.23	7.091
16,100.00	10,730.00	16,849.97	11,440.00	85.93	87.47	142.49	-5,285.12	-668.11	895.05	766.91	128.14	6.985
16,200.00	10,730.00	16,949.97	11,440.00	87.23	88.75	142.49	-5,385.12	-667.33	895.05	764.99	130.06	6.882
16,300.00	10,730.00	17,049.97	11,440.00	88.52	90.02	142.49	-5,485.11	-666.54	895.05	763.07	131.99	6.781
16,400.00	10,730.00	17,149.97	11,440.00	89.82	91.30	142.49	-5,585.11	-665.75	895.05	761.13	133.92	6.683
16,500.00	10,730.00	17,249.97	11,440.00	91.13	92.59	142.49	-5,685.11	-664.97	895.05	759.19	135.86	6.588
16,600.00	10,730.00	17,349.97	11,440.00	92.44	93.88	142.49	-5,785.10	-664.18	895.05	757.25	137.81	6.495
16,700.00	10,730.00	17,449.97	11,440.00	93.75	95.17	142.49	-5,885.10	-663.40	895.05	755.29	139.76	6.404
16,800.00	10,730.00	17,549.97	11,440.00	95.06	96.47	142.49	-5,985.10	-662.61	895.05	753.34	141.72	6.316
16,900.00	10,730.00	17,649.97	11,440.00	96.38	97.78	142.49	-6,085.09	-661.83	895.05	751.37	143.68	6.229
17,000.00	10,730.00	17,749.97	11,440.00	97.71	99.08	142.49	-6,185.09	-661.04	895.05	749.40	145.65	6.145
17,100.00	10,730.00	17,849.97	11,440.00	99.03	100.39	142.49	-6,285.09	-660.26	895.05	747.43	147.63	6.063
17,200.00	10,730.00	17,949.97	11,440.00	100.36	101.70	142.49	-6,385.09	-659.47	895.05	745.45	149.60	5.983
17,300.00	10,730.00	18,049.97	11,440.00	101.69	103.02	142.49	-6,485.08	-658.69	895.05	743.47	151.59	5.905
17,400.00	10,730.00	18,149.97	11,440.00	103.03	104.34	142.49	-6,585.08	-657.90	895.05	741.48	153.57	5.828
17,500.00	10,730.00	18,249.97	11,440.00	104.37	105.66	142.49	-6,685.08	-657.12	895.05	739.49	155.57	5.754
17,600.00	10,730.00	18,349.97	11,440.00	105.71	106.99	142.49	-6,785.07	-656.33	895.05	737.49	157.56	5.681
17,700.00	10,730.00	18,449.97	11,440.00	107.05	108.32	142.49	-6,885.07	-655.55	895.05	735.49	159.56	5.609
17,800.00	10,730.00	18,549.97	11,440.00	108.39	109.65	142.49	-6,985.07	-654.76	895.05	733.49	161.57	5.540
17,900.00	10,730.00	18,649.97	11,440.00	109.74	110.98	142.49	-7,085.06	-653.98	895.06	731.48	163.57	5.472
18,000.00	10,730.00	18,749.97	11,440.00	111.09	112.32	142.49	-7,185.06	-653.19	895.06	729.47	165.59	5.405
18,100.00	10,730.00	18,849.97	11,440.00	112.44	113.66	142.49	-7,285.06	-652.41	895.06	727.45	167.60	5.340
18,200.00	10,730.00	18,949.97	11,440.00	113.80	115.00	142.49	-7,385.05	-651.62	895.06	725.44	169.62	5.277
18,300.00	10,730.00	19,049.97	11,440.00	115.15	116.34	142.49	-7,485.05	-650.84	895.06	723.42	171.64	5.215
18,400.00	10,730.00	19,149.97	11,440.00	116.51	117.69	142.49	-7,585.05	-650.05	895.06	721.39	173.66	5.154
18,500.00	10,730.00	19,249.97	11,440.00	117.87	119.04	142.49	-7,685.05	-649.27	895.06	719.36	175.69	5.094
18,600.00	10,730.00	19,349.97	11,440.00	119.23	120.39	142.49	-7,785.04	-648.48	895.06	717.33	177.72	5.036
18,700.00	10,730.00	19,449.97	11,440.00	120.60	121.74	142.49	-7,885.04	-647.69	895.06	715.30	179.75	4.979
18,789.48	10,730.00	19,539.45	11,440.00	121.82	122.95	142.49	-7,974.52	-646.99	895.06	713.48	181.57	4.929

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

Altitude Energy Partners

Anticollision Report



Company:	Kaiser-Francis Oil Company	Local Co-ordinate Reference:	Well Bell Lake Unit South 208H
Project:	Lea Co., NM (NAD-27)	TVD Reference:	KB=23' @ 3638.00usft (Cactus 166)
Reference Site:	Bell Lake Unit South	MD Reference:	KB=23' @ 3638.00usft (Cactus 166)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Bell Lake Unit South 208H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.1 Single User Db
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Reference Depths are relative to KB=23' @ 3638.00usft (Cactus 166)

Offset Depths are relative to Offset Datum

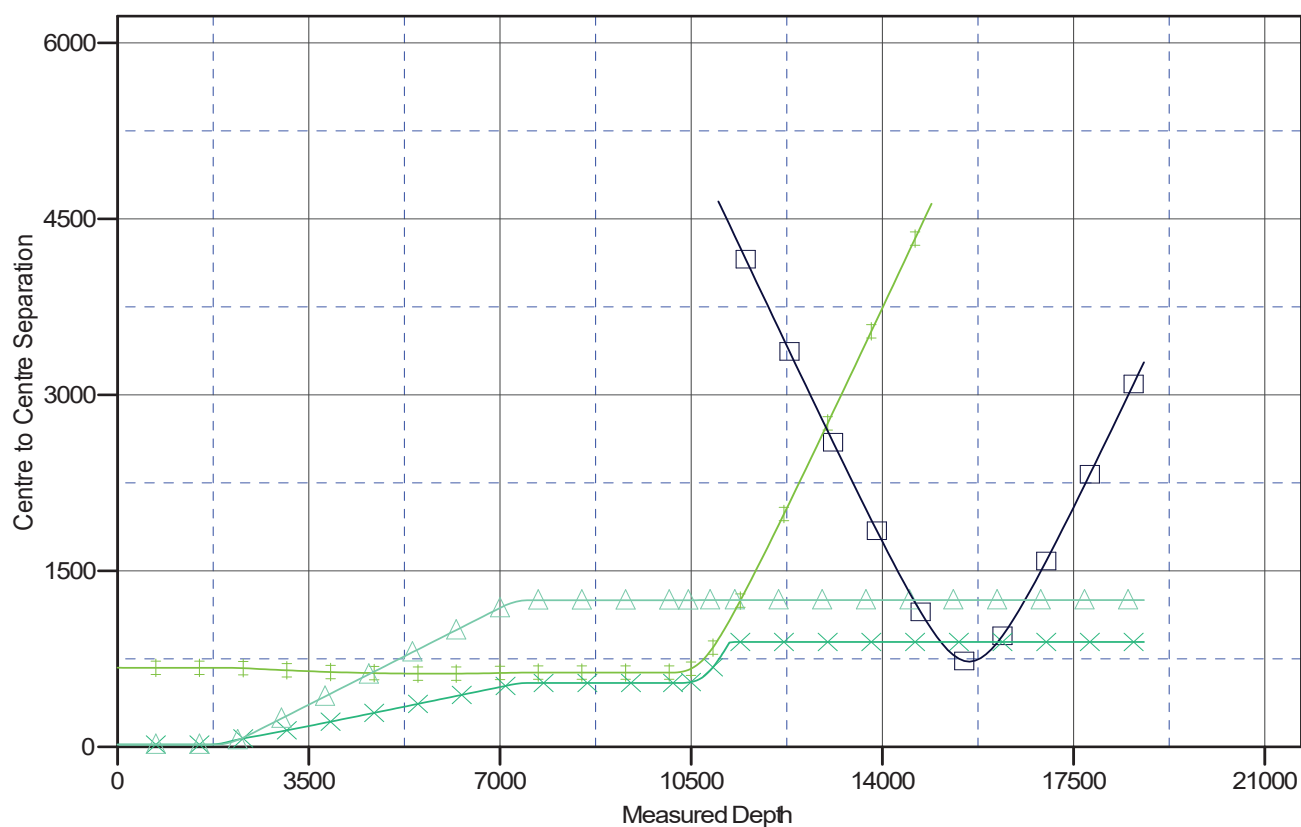
Central Meridian is -104.333334

Coordinates are relative to: Bell Lake Unit South 208H

Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30

Grid Convergence at Surface is: 0.44°

Ladder Plot



LEGEND



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

Altitude Energy Partners

Anticollision Report



Company:	Kaiser-Francis Oil Company	Local Co-ordinate Reference:	Well Bell Lake Unit South 208H
Project:	Lea Co., NM (NAD-27)	TVD Reference:	KB=23' @ 3638.00usft (Cactus 166)
Reference Site:	Bell Lake Unit South	MD Reference:	KB=23' @ 3638.00usft (Cactus 166)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Bell Lake Unit South 208H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.1 Single User Db
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Reference Depths are relative to KB=23' @ 3638.00usft (Cactus 166)

Offset Depths are relative to Offset Datum

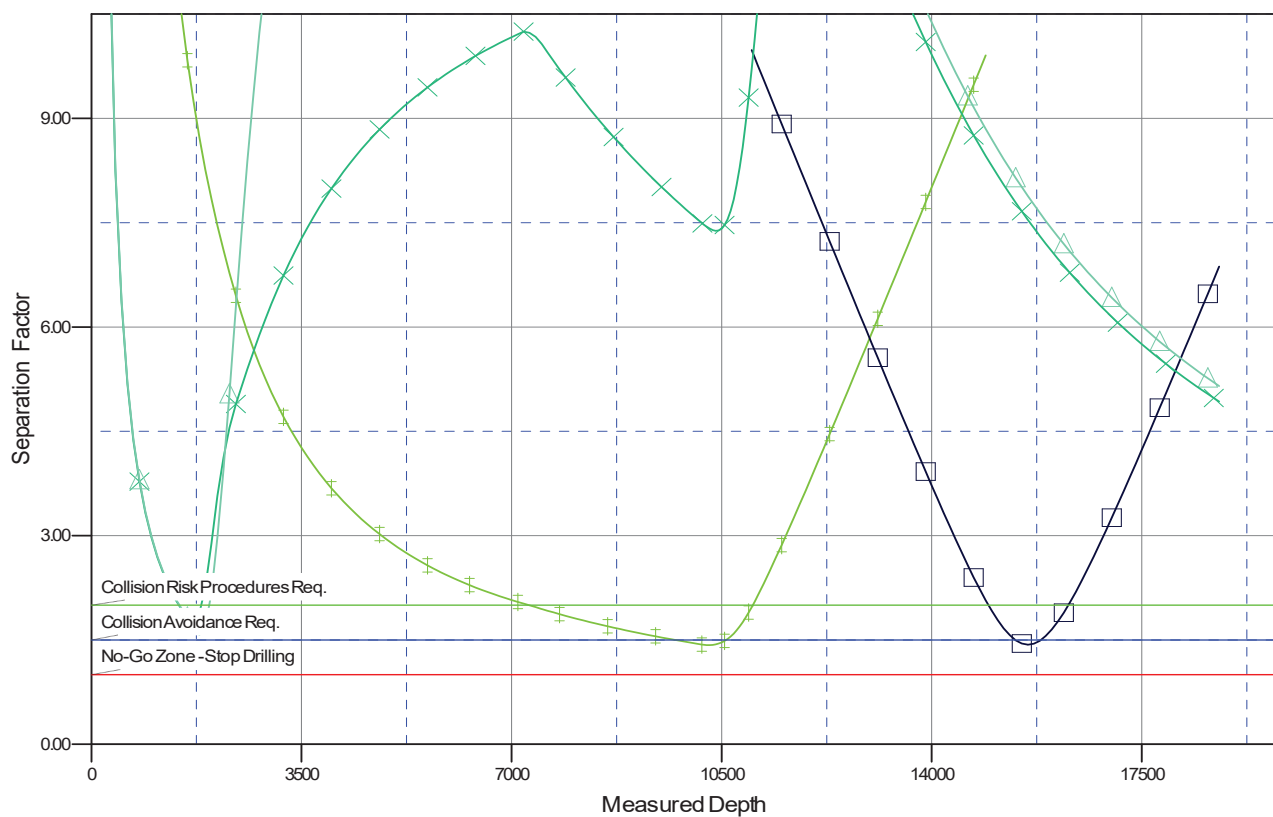
Central Meridian is -104.333334

Coordinates are relative to: Bell Lake Unit South 208H

Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30

Grid Convergence at Surface is: 0.44°

Separation Factor Plot



LEGEND

Bell Lake Unit 1 #004 OH OH V0
 Bell Lake Unit 8 OH OH V0
 Bell Lake Unit South 208 OH OH Plan #1 V0
 Bell Lake Unit South 207 OH OH Plan #2 V0

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

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 146354

CONDITIONS

Operator: KAISER-FRANCIS OIL CO PO Box 21468 Tulsa, OK 74121146	OGRID: 12361
	Action Number: 146354
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
pkautz	None	9/29/2022