

Well Name: BELL LAKE UNIT SOUTH	Well Location: T24S / R34E / SEC 6 / SENW / 32.2469497 / -103.5124945	County or Parish/State: LEA / NM
Well Number: 207H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMLC100594, STATE	Unit or CA Name: BELL LAKE	Unit or CA Number: NMNM068292X, NMNM68292X
US Well Number: 3002545908	Well Status: Producing Oil Well	Operator: KAISER FRANCIS OIL COMPANY

Notice of Intent

Sundry ID: 1338524

Type of Submission: Notice of Intent	Type of Action: APD Change
Date Sundry Submitted: 01/29/2021	Time Sundry Submitted: 07:25
Date proposed operation will begin: 01/26/2021	

Procedure Description: Bell Lake Unit South 207H API #30-025-45908 Approved SHL 2520 FNL 1335 FWL 6-24S-34E Lea County New Mexico. Proposed SHL 2507 FNL 1555 FWL 6-24S-34E Lea County New Mexico

NOI Attachments

- Procedure Description
- Kaiser_SHL_Sundry_6_24S_34E_20210128151253.docx
 - BLUS_PAD_6_C102_20210128151243.pdf

Received by OCD: 9/27/2022 7:29:26 AM

Page 2 of 39

Well Name: BELL LAKE UNIT SOUTH	Well Location: T24S / R34E / SEC 6 / SENW / 32.2469497 / -103.5124945	County or Parish/State: LEA / NM
Well Number: 207H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMLC100594, STATE	Unit or CA Name: BELL LAKE	Unit or CA Number: NMNM068292X, NMNM68292X
US Well Number: 3002545908	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 07:24 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 30-025-45908	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 207H
⁷ OGRID No. 12361	⁸ Operator Name KAISER-FRANCIS OIL CO.	⁹ Elevation 3615.7

¹⁰ Surface Location

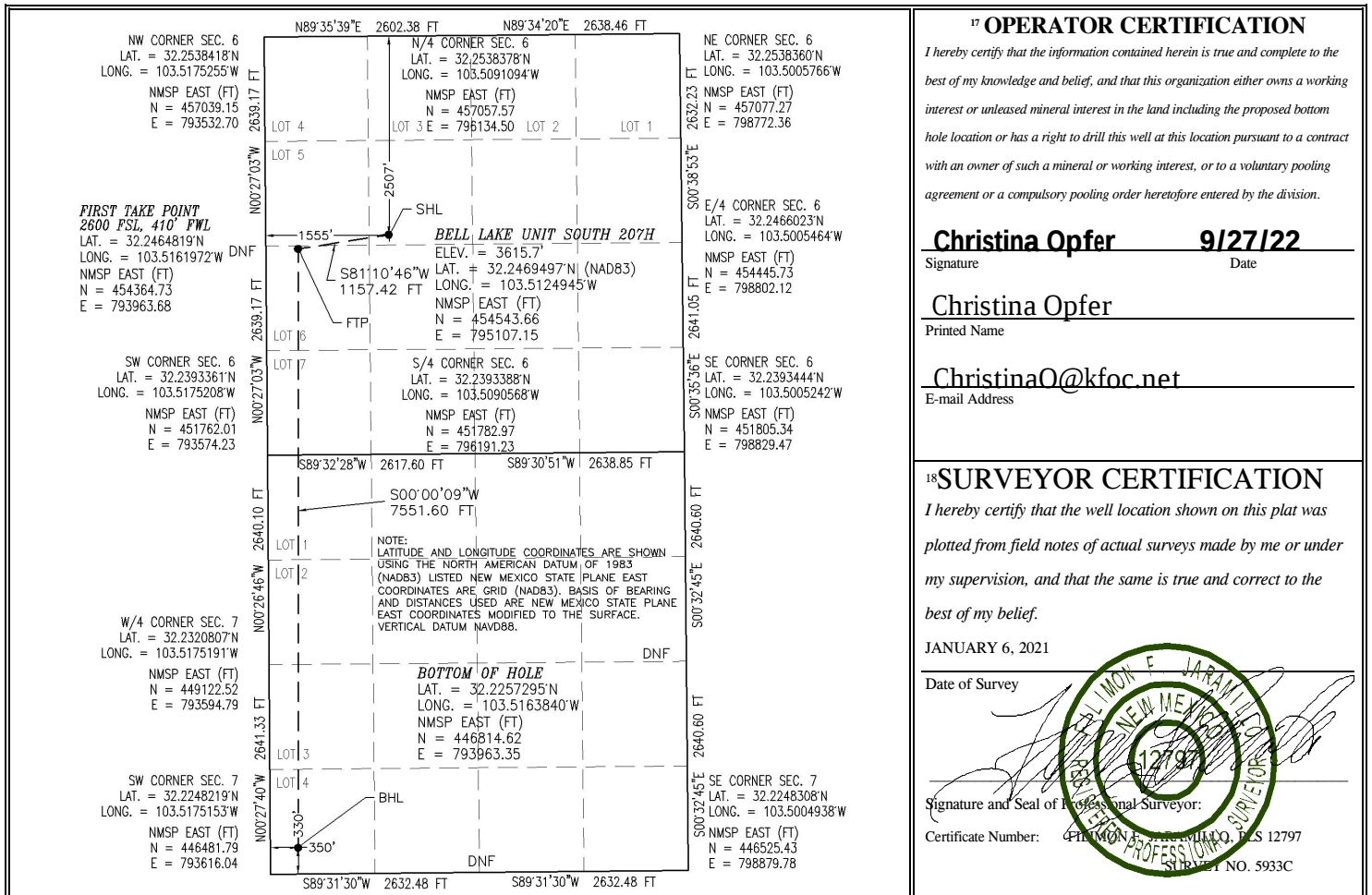
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	6	24 S	34 E		2507	NORTH	1555	WEST	LEA

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	350	WEST	LEA

¹² Dedicated Acres 480	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No. R-14600
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



Intent ☒ As Drilled ☐API #
30-025-45908

Operator Name: KAISER-FRANCIS OIL CO.	Property Name: BELL LAKE UNIT SOUTH	Well Number 207H
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Kick Off Point (KOP)

UL F	Section 6	Township 24S	Range 34E	Lot	Feet 2507	From N/S NORTH	Feet 1555	From E/W WEST	County LEA
Latitude 32.2469497					Longitude 103.5124945			NAD 83	

First Take Point (FTP)

UL	Section 6	Township 24S	Range 34E	Lot 6	Feet 2600	From N/S SOUTH	Feet 410	From E/W WEST	County LEA
Latitude 32.2464819					Longitude 103.5161972			NAD 83	

Last Take Point (LTP)

UL	Section 7	Township 24S	Range 34E	Lot 4	Feet 330	From N/S SOUTH	Feet 350	From E/W WEST	County LEA
Latitude 32.2257295					Longitude 103.5163840			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.

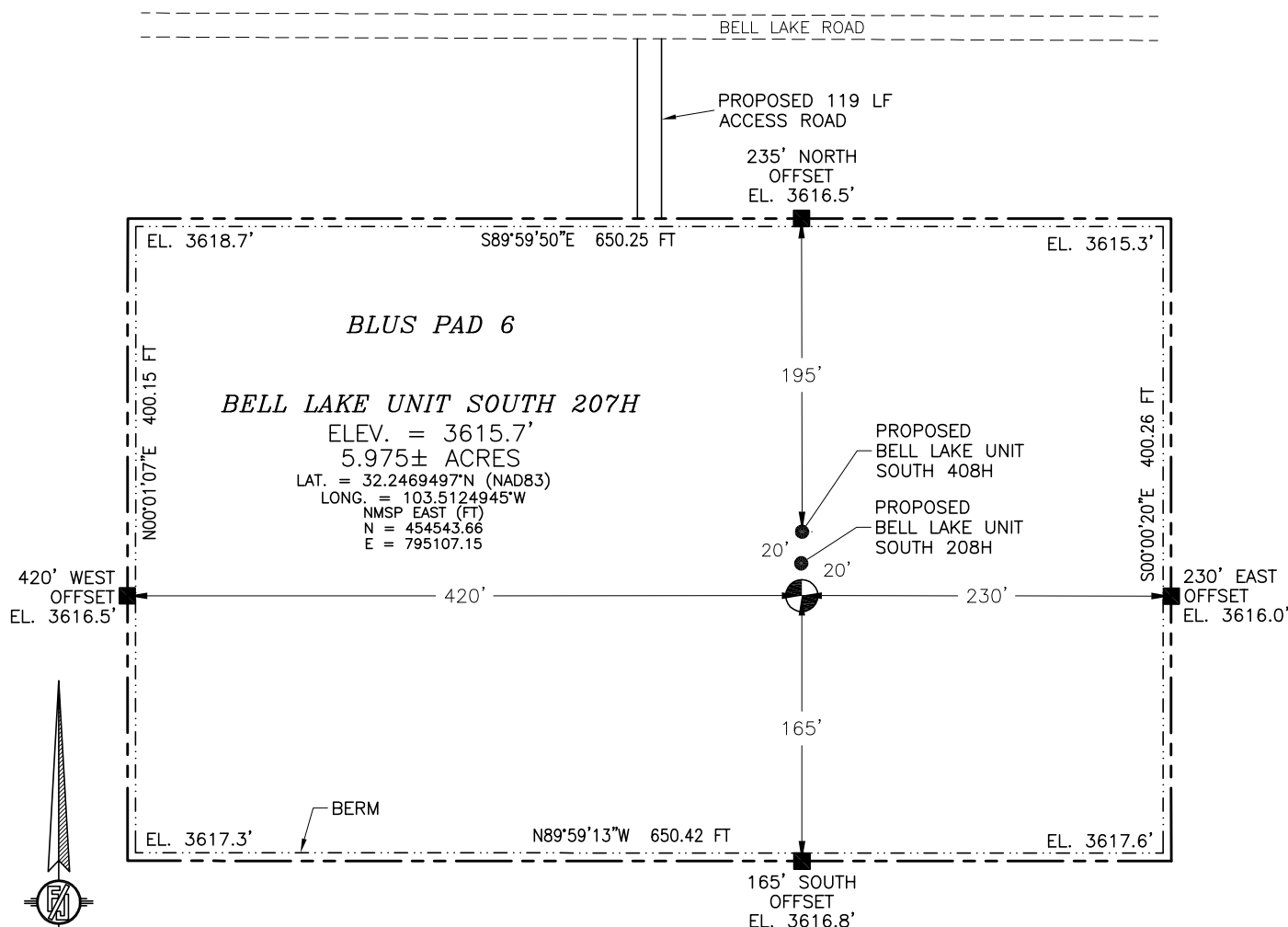
API #

Operator Name:	Property Name:	Well Number
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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 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.

KAISER-FRANCIS OIL CO.
BELL LAKE UNIT SOUTH 207H
LOCATED 2507 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. 5933C

I, FILIMON 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 THAT IT MEETS THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO.

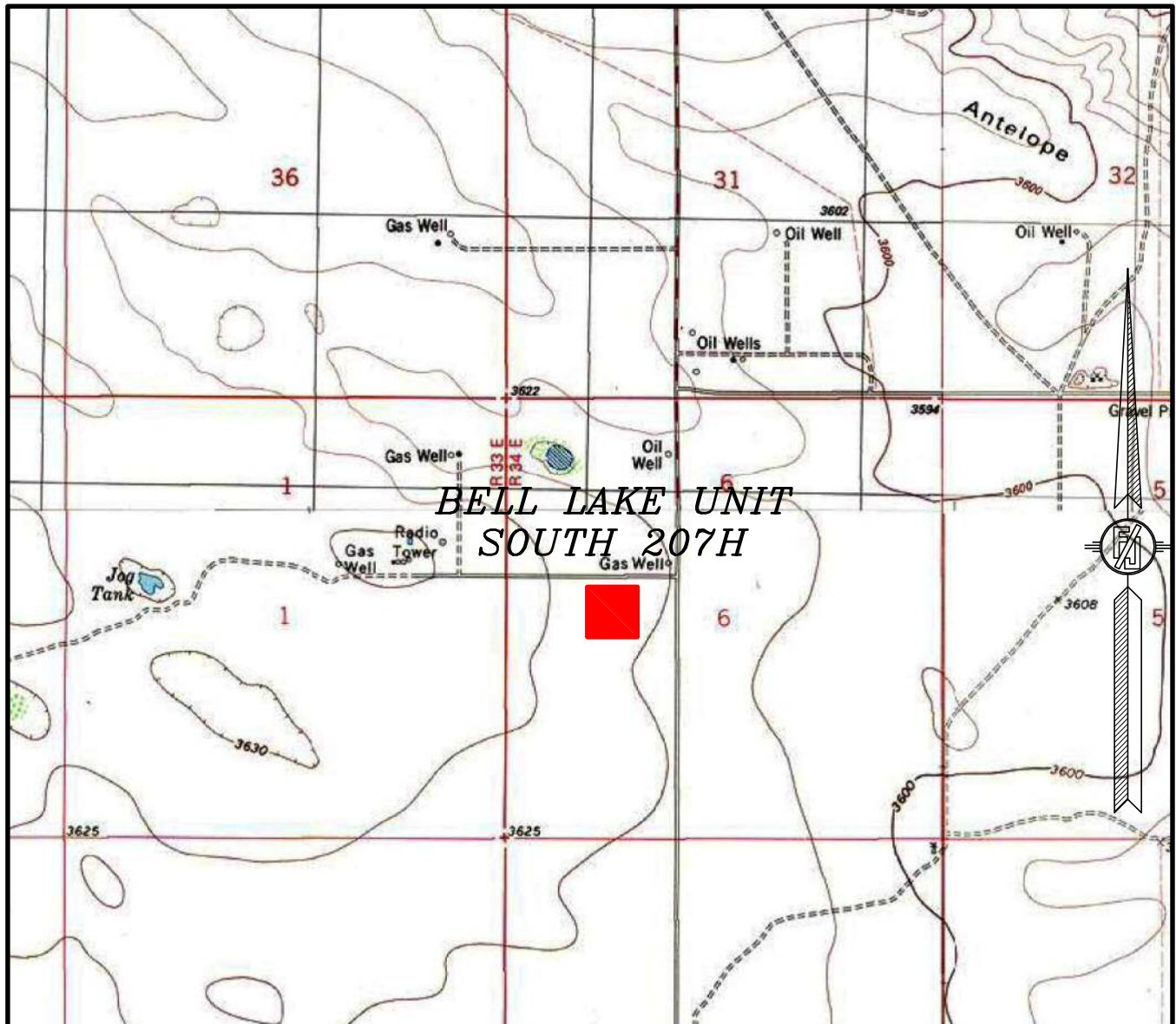
FILIMON F. JARAMILLO, 12/29/2020

MADDOX 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 207H
LOCATED 2507 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

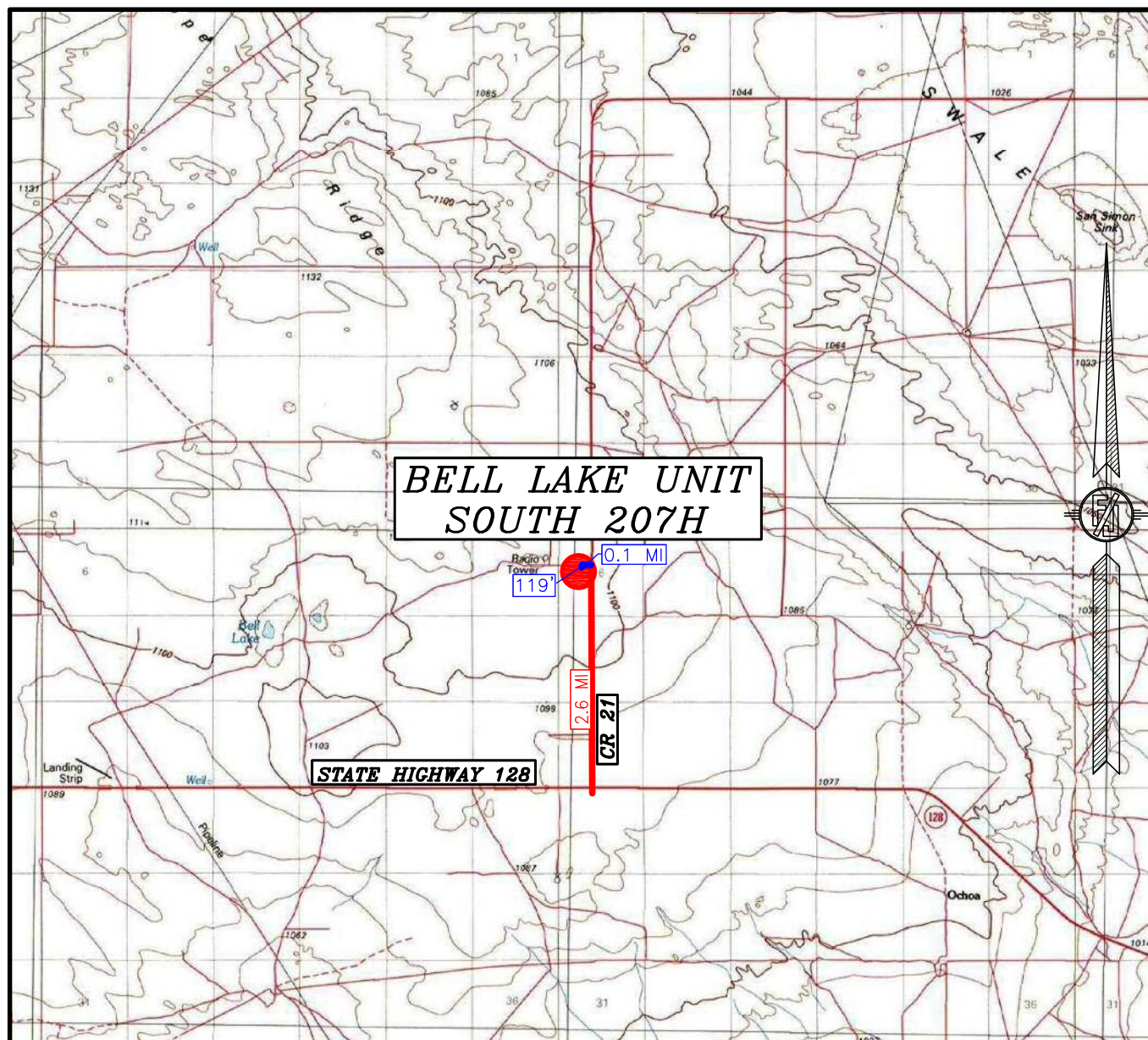
JANUARY 6, 2021

MADRON SURVEYING, INC.

301 SOUTH CANAL
(575) 234-3341

SURVEY NO. 5933C
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

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 207H
LOCATED 2507 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) 234-3341SURVEY NO. 5933C
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 207H
LOCATED 2507 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

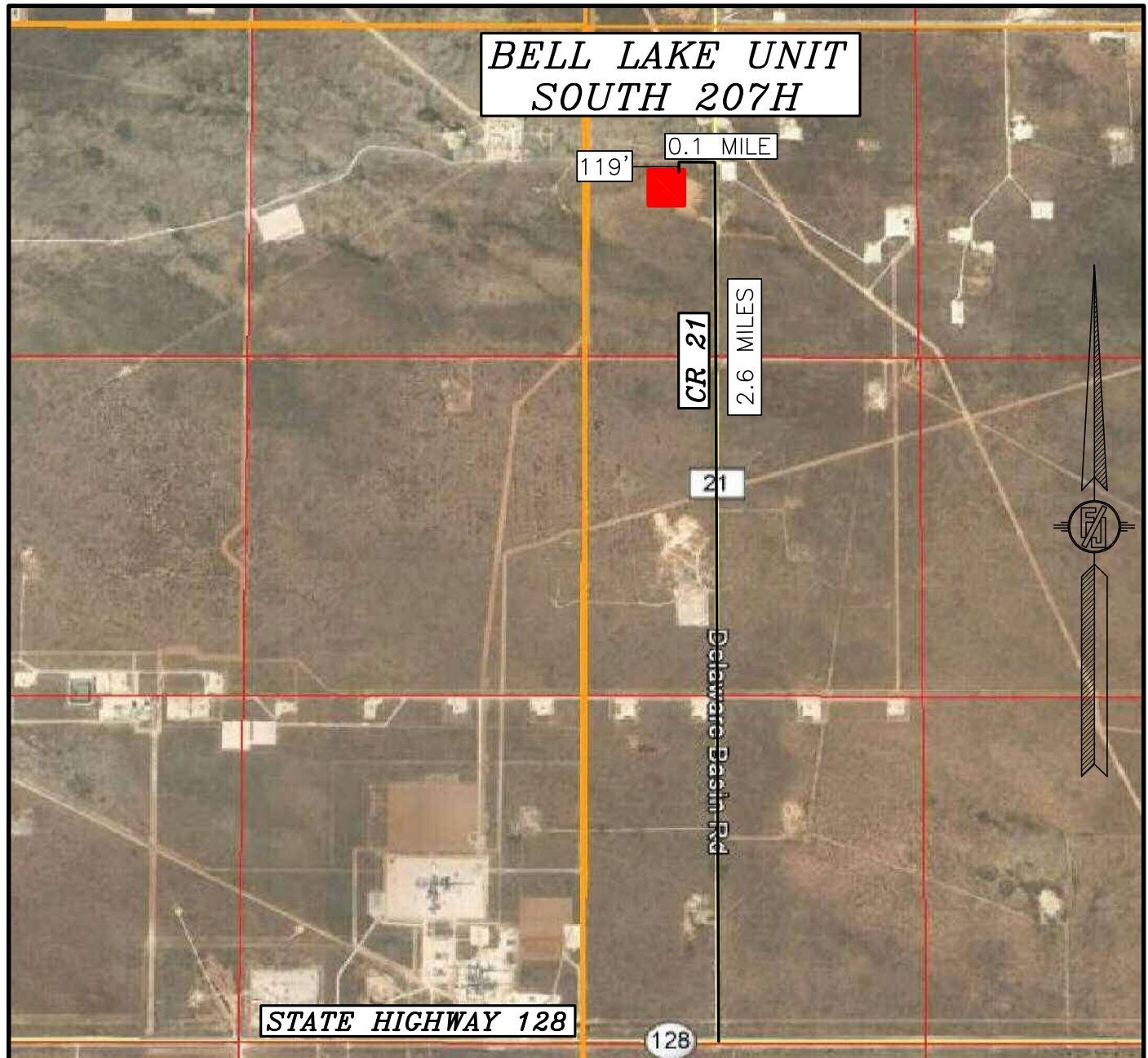
JANUARY 6, 2021

MADRON SURVEYING, INC.

301 SOUTH CANAL
(575) 234-3341

SURVEY NO. 5933C
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 207H
LOCATED 2507 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

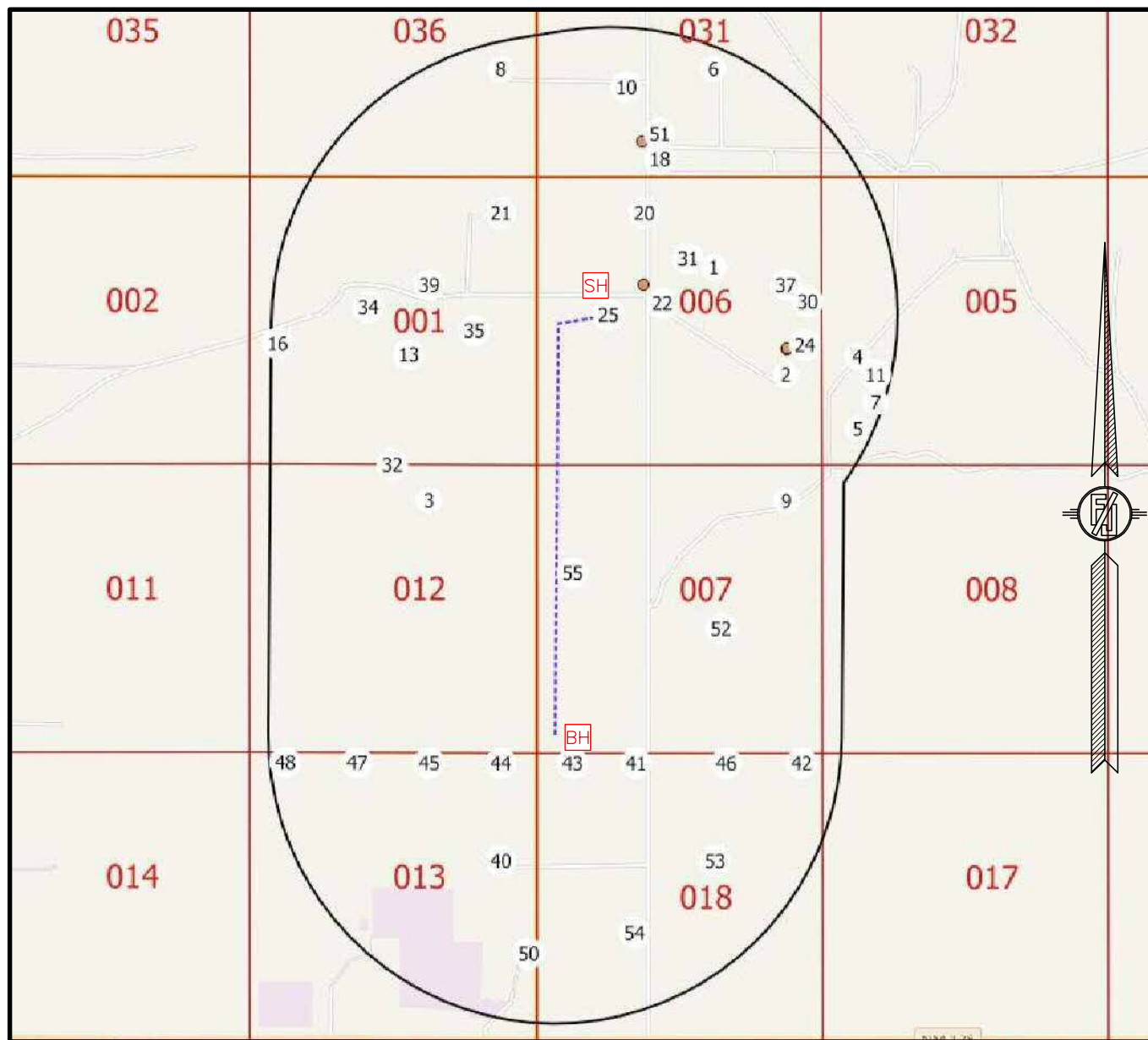
JANUARY 6, 2021

MADRON SURVEYING, INC.

301 SOUTH CANAL
(575) 234-3341

SURVEY NO. 5933C
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 207H
 LOCATED 2507 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. 5933C

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

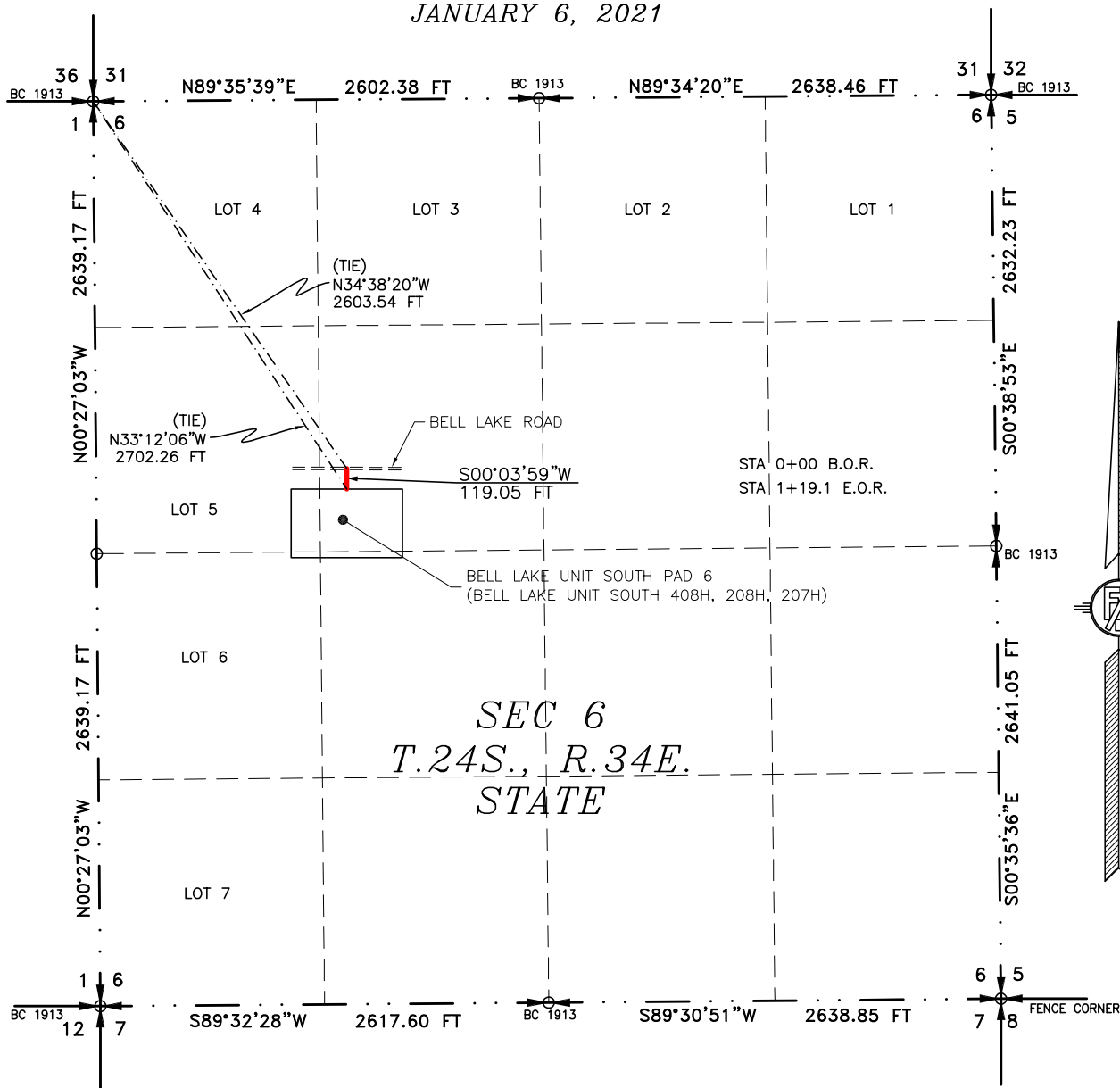
CARLSBAD, NEW MEXICO

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



SEC 6
T.24S., R.34E.
STATE

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
NEW MEXICO PROFESSIONAL SURVEYOR

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

SURVEY NO. 5933C

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.

SHEET: 2-2

MADRON SURVEYING, INC. 301 SOUTH CANAL, CARLSBAD, NEW MEXICO 88220
(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 08 DAY OF JANUARY 2021



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

SURVEY NO. 5933C

Kaiser-Francis Oil Company

Kaiser-Francis Oil Company

Lea Co., NM (NAD-27)

Bell Lake Unit South

Bell Lake Unit South 207H

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 207H
 Wellbore: OH
 Design: Plan #2
 Lat: 32.246826
 Long: -103.512016
 GL: 3615.00
 KB: KB=23' @ 3638.00usft (Cactus 166)



WELL DETAILS: Bell Lake Unit South 207H

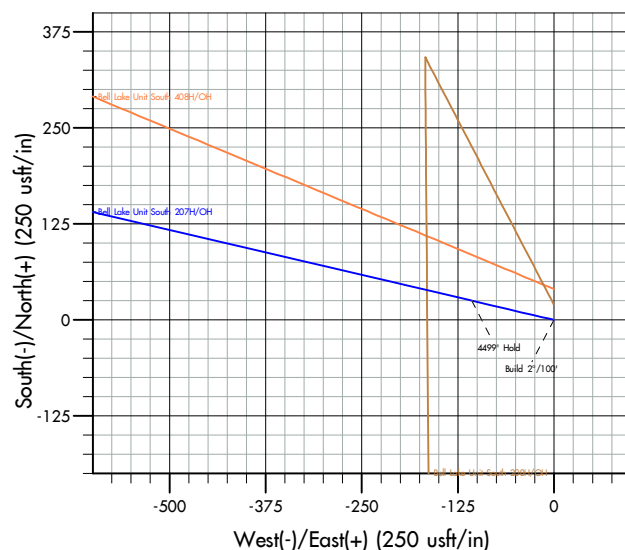
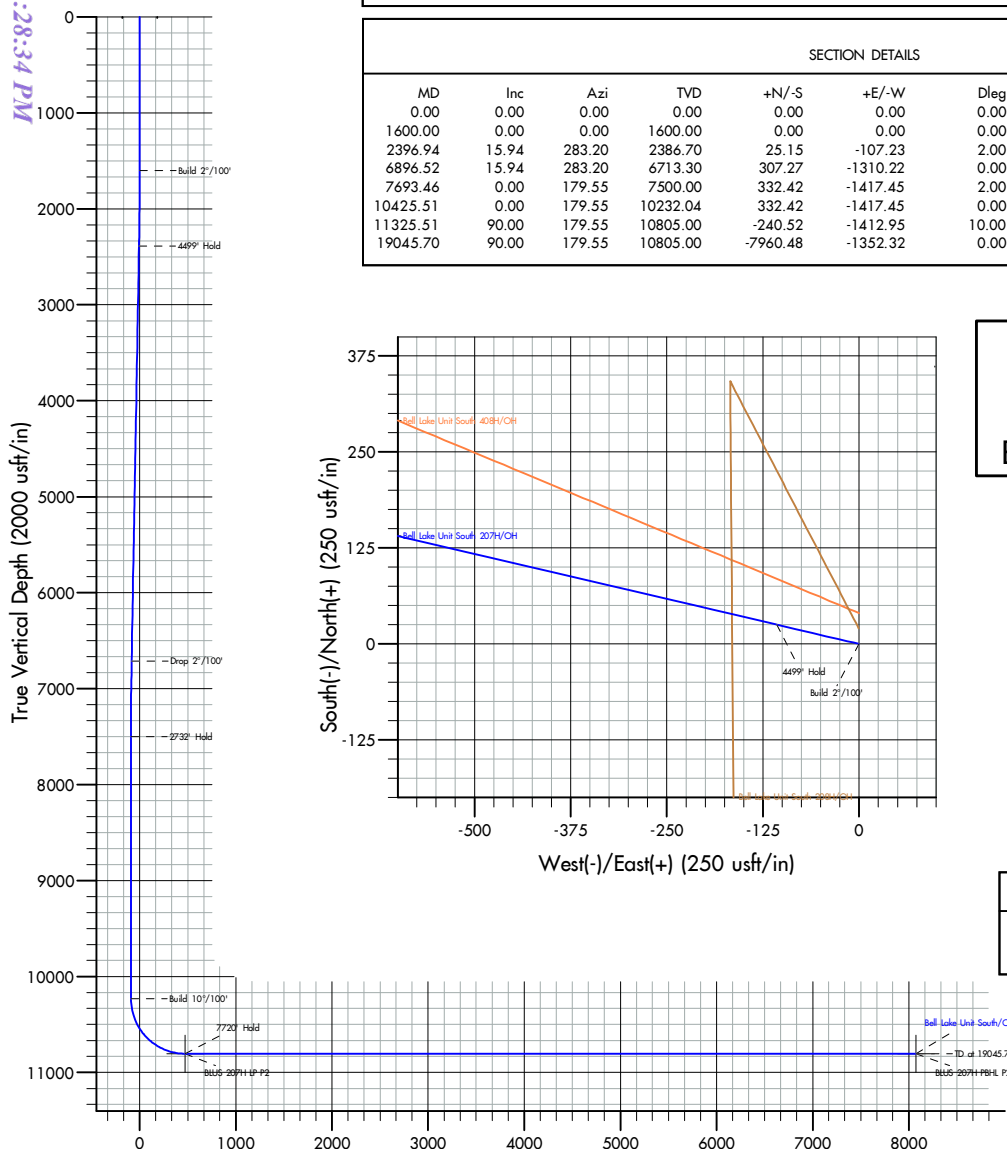
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	454484.67	753923.29	32.246826	-103.512016

WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
BLUS 207H LP P2	10805.00	-240.52	-1412.95	454244.15	752510.34	Point
BLUS 207H PBHL P2	10805.00	-7960.48	-1352.32	446524.19	752570.97	Point

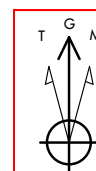
SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSec	Annotation
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1600.00	0.00	0.00	1600.00	0.00	0.00	0.00	0.00	0.00	Build 2°/100'
2396.94	15.94	283.20	2386.70	25.15	-107.23	2.00	283.20	-6.83	4499' Hold
6896.52	15.94	283.20	6713.30	307.27	-1310.22	0.00	0.00	-83.50	Drop 2°/100'
7693.46	0.00	179.55	7500.00	332.42	-1417.45	2.00	180.00	-90.33	2732' Hold
10425.51	0.00	179.55	10232.04	332.42	-1417.45	0.00	0.00	-90.33	Build 10°/100'
11325.51	90.00	179.55	10805.00	-240.52	-1412.95	10.00	0.00	473.76	7720' Hold
19045.70	90.00	179.55	10805.00	-7960.48	-1352.32	0.00	0.00	8074.53	TD at 19045.70



Bell Lake Unit South 207H
 SHL: 2507' FNL & 1555'
 FWL
 BHL: 100' FSL & 140' FWL

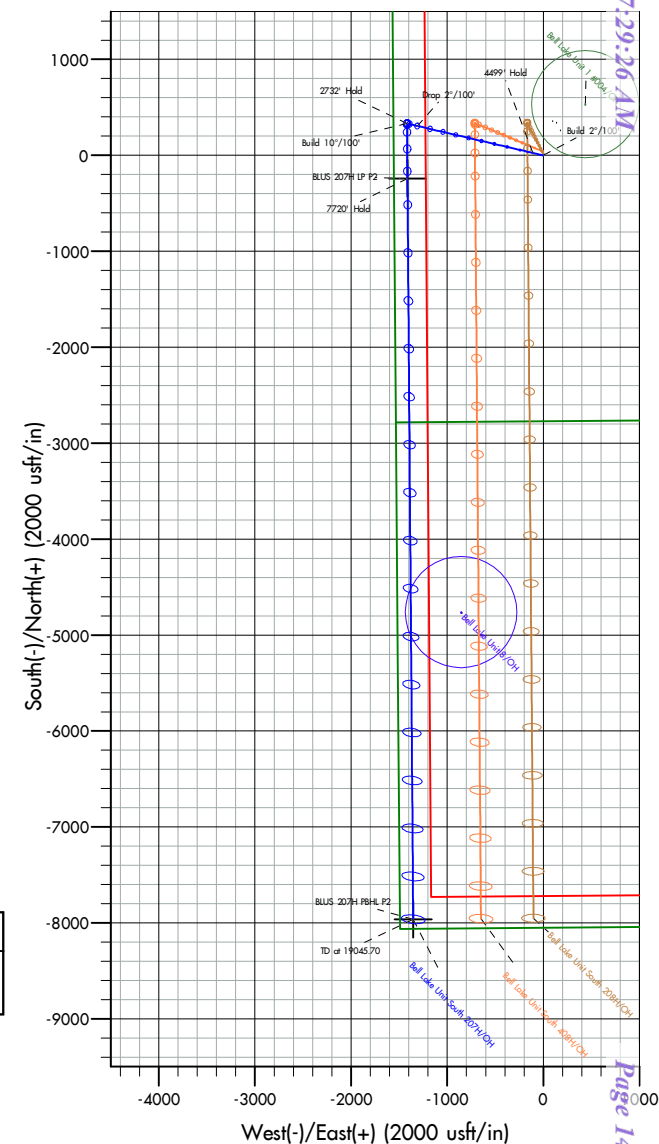
330' FNL Hard Line
 330' FSL Hard Line
 330' FWL Hard Line
 330' FWL Hard Line



Azimuths to Grid North
 True North: -0.44°
 Magnetic North: 6.00°
 Magnetic Field
 Strength: 47709.0nT
 Dip Angle: 59.87°
 Date: 1/10/2021
 Model: HDGM2021

CASING DETAILS

TVD	MD	Size
1500.00	1500.00	13-3/8
5082.00	5200.00	9-5/8



Plan: Plan #2 (Bell Lake Unit South 207H/OH)

Created By: Dusty Moyer

Date: 12-03 January 11 2021

Altitude Energy Partners

Planning Report



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Bell Lake Unit South 207H
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 207H	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 207H					
Well Position	+N/-S	0.00 usft	Northing:	454,484.67 usft	Latitude:	32.246826
	+E/-W	0.00 usft	Easting:	753,923.29 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	189.64	

Plan Survey Tool Program	Date	1/11/2021			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.00	19,045.70 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	
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,396.94	15.94	283.20	2,386.70	25.15	-107.23	2.00	2.00	0.00	283.20	
6,896.52	15.94	283.20	6,713.30	307.27	-1,310.22	0.00	0.00	0.00	0.00	
7,693.46	0.00	179.55	7,500.00	332.42	-1,417.45	2.00	-2.00	0.00	180.00	
10,425.51	0.00	179.55	10,232.04	332.42	-1,417.45	0.00	0.00	0.00	0.00	
11,325.51	90.00	179.55	10,805.00	-240.52	-1,412.95	10.00	10.00	0.00	0.00	BLUS 207H LP P2
19,045.70	90.00	179.55	10,805.00	-7,960.48	-1,352.32	0.00	0.00	0.00	0.00	BLUS 207H PBHL P2

Altitude Energy Partners

Planning Report



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Bell Lake Unit South 207H
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 207H	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
Build 2°/100'									
1,700.00	2.00	283.20	1,699.98	0.40	-1.70	-0.11	2.00	2.00	0.00
1,800.00	4.00	283.20	1,799.84	1.59	-6.79	-0.43	2.00	2.00	0.00
1,900.00	6.00	283.20	1,899.45	3.58	-15.28	-0.97	2.00	2.00	0.00
2,000.00	8.00	283.20	1,998.70	6.37	-27.14	-1.73	2.00	2.00	0.00
2,100.00	10.00	283.20	2,097.47	9.94	-42.37	-2.70	2.00	2.00	0.00
2,200.00	12.00	283.20	2,195.62	14.29	-60.95	-3.88	2.00	2.00	0.00
2,300.00	14.00	283.20	2,293.06	19.43	-82.85	-5.28	2.00	2.00	0.00
2,396.94	15.94	283.20	2,386.70	25.15	-107.23	-6.83	2.00	2.00	0.00
4499' Hold									
2,400.00	15.94	283.20	2,389.64	25.34	-108.04	-6.89	0.00	0.00	0.00
2,500.00	15.94	283.20	2,485.80	31.61	-134.78	-8.59	0.00	0.00	0.00
2,600.00	15.94	283.20	2,581.95	37.88	-161.52	-10.29	0.00	0.00	0.00
2,700.00	15.94	283.20	2,678.11	44.15	-188.25	-12.00	0.00	0.00	0.00
2,800.00	15.94	283.20	2,774.27	50.42	-214.99	-13.70	0.00	0.00	0.00
2,900.00	15.94	283.20	2,870.42	56.69	-241.72	-15.40	0.00	0.00	0.00
3,000.00	15.94	283.20	2,966.58	62.96	-268.46	-17.11	0.00	0.00	0.00
3,100.00	15.94	283.20	3,062.73	69.23	-295.19	-18.81	0.00	0.00	0.00
3,200.00	15.94	283.20	3,158.89	75.50	-321.93	-20.52	0.00	0.00	0.00
3,300.00	15.94	283.20	3,255.04	81.77	-348.67	-22.22	0.00	0.00	0.00
3,400.00	15.94	283.20	3,351.20	88.04	-375.40	-23.92	0.00	0.00	0.00
3,500.00	15.94	283.20	3,447.35	94.31	-402.14	-25.63	0.00	0.00	0.00
3,600.00	15.94	283.20	3,543.51	100.58	-428.87	-27.33	0.00	0.00	0.00
3,700.00	15.94	283.20	3,639.67	106.85	-455.61	-29.03	0.00	0.00	0.00
3,800.00	15.94	283.20	3,735.82	113.12	-482.34	-30.74	0.00	0.00	0.00
3,900.00	15.94	283.20	3,831.98	119.39	-509.08	-32.44	0.00	0.00	0.00
4,000.00	15.94	283.20	3,928.13	125.66	-535.82	-34.15	0.00	0.00	0.00
4,100.00	15.94	283.20	4,024.29	131.93	-562.55	-35.85	0.00	0.00	0.00
4,200.00	15.94	283.20	4,120.44	138.20	-589.29	-37.55	0.00	0.00	0.00
4,300.00	15.94	283.20	4,216.60	144.47	-616.02	-39.26	0.00	0.00	0.00
4,400.00	15.94	283.20	4,312.75	150.74	-642.76	-40.96	0.00	0.00	0.00
4,500.00	15.94	283.20	4,408.91	157.01	-669.50	-42.67	0.00	0.00	0.00
4,600.00	15.94	283.20	4,505.07	163.28	-696.23	-44.37	0.00	0.00	0.00
4,700.00	15.94	283.20	4,601.22	169.55	-722.97	-46.07	0.00	0.00	0.00
4,800.00	15.94	283.20	4,697.38	175.82	-749.70	-47.78	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 207H
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 207H	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)	
4,900.00	15.94	283.20	4,793.53	182.09	-776.44	-49.48	0.00	0.00	0.00	
5,000.00	15.94	283.20	4,889.69	188.36	-803.17	-51.18	0.00	0.00	0.00	
5,100.00	15.94	283.20	4,985.84	194.63	-829.91	-52.89	0.00	0.00	0.00	
5,200.00	15.94	283.20	5,082.00	200.90	-856.65	-54.59	0.00	0.00	0.00	
9 5/8"										
5,300.00	15.94	283.20	5,178.15	207.17	-883.38	-56.30	0.00	0.00	0.00	
5,400.00	15.94	283.20	5,274.31	213.44	-910.12	-58.00	0.00	0.00	0.00	
5,500.00	15.94	283.20	5,370.46	219.71	-936.85	-59.70	0.00	0.00	0.00	
5,600.00	15.94	283.20	5,466.62	225.98	-963.59	-61.41	0.00	0.00	0.00	
5,700.00	15.94	283.20	5,562.78	232.25	-990.32	-63.11	0.00	0.00	0.00	
5,800.00	15.94	283.20	5,658.93	238.52	-1,017.06	-64.81	0.00	0.00	0.00	
5,900.00	15.94	283.20	5,755.09	244.79	-1,043.80	-66.52	0.00	0.00	0.00	
6,000.00	15.94	283.20	5,851.24	251.06	-1,070.53	-68.22	0.00	0.00	0.00	
6,100.00	15.94	283.20	5,947.40	257.33	-1,097.27	-69.93	0.00	0.00	0.00	
6,200.00	15.94	283.20	6,043.55	263.60	-1,124.00	-71.63	0.00	0.00	0.00	
6,300.00	15.94	283.20	6,139.71	269.87	-1,150.74	-73.33	0.00	0.00	0.00	
6,400.00	15.94	283.20	6,235.86	276.14	-1,177.47	-75.04	0.00	0.00	0.00	
6,500.00	15.94	283.20	6,332.02	282.41	-1,204.21	-76.74	0.00	0.00	0.00	
6,600.00	15.94	283.20	6,428.18	288.68	-1,230.95	-78.45	0.00	0.00	0.00	
6,700.00	15.94	283.20	6,524.33	294.95	-1,257.68	-80.15	0.00	0.00	0.00	
6,800.00	15.94	283.20	6,620.49	301.22	-1,284.42	-81.85	0.00	0.00	0.00	
6,896.52	15.94	283.20	6,713.30	307.27	-1,310.22	-83.50	0.00	0.00	0.00	
Drop 2°/100'										
6,900.00	15.87	283.20	6,716.64	307.49	-1,311.15	-83.56	2.00	-2.00	0.00	
7,000.00	13.87	283.20	6,813.29	313.35	-1,336.13	-85.15	2.00	-2.00	0.00	
7,100.00	11.87	283.20	6,910.77	318.44	-1,357.82	-86.53	2.00	-2.00	0.00	
7,200.00	9.87	283.20	7,008.97	322.74	-1,376.17	-87.70	2.00	-2.00	0.00	
7,300.00	7.87	283.20	7,107.77	326.26	-1,391.18	-88.66	2.00	-2.00	0.00	
7,400.00	5.87	283.20	7,207.05	328.99	-1,402.83	-89.40	2.00	-2.00	0.00	
7,500.00	3.87	283.20	7,306.68	330.93	-1,411.09	-89.93	2.00	-2.00	0.00	
7,600.00	1.87	283.20	7,406.55	332.07	-1,415.97	-90.24	2.00	-2.00	0.00	
7,693.46	0.00	179.55	7,500.00	332.42	-1,417.45	-90.33	2.00	-2.00	0.00	
2732' Hold										
7,700.00	0.00	0.00	7,506.54	332.42	-1,417.45	-90.33	0.00	0.00	0.00	
7,800.00	0.00	0.00	7,606.54	332.42	-1,417.45	-90.33	0.00	0.00	0.00	
7,900.00	0.00	0.00	7,706.54	332.42	-1,417.45	-90.33	0.00	0.00	0.00	
8,000.00	0.00	0.00	7,806.54	332.42	-1,417.45	-90.33	0.00	0.00	0.00	
8,100.00	0.00	0.00	7,906.54	332.42	-1,417.45	-90.33	0.00	0.00	0.00	
8,200.00	0.00	0.00	8,006.54	332.42	-1,417.45	-90.33	0.00	0.00	0.00	
8,300.00	0.00	0.00	8,106.54	332.42	-1,417.45	-90.33	0.00	0.00	0.00	
8,400.00	0.00	0.00	8,206.54	332.42	-1,417.45	-90.33	0.00	0.00	0.00	
8,500.00	0.00	0.00	8,306.54	332.42	-1,417.45	-90.33	0.00	0.00	0.00	
8,600.00	0.00	0.00	8,406.54	332.42	-1,417.45	-90.33	0.00	0.00	0.00	
8,700.00	0.00	0.00	8,506.54	332.42	-1,417.45	-90.33	0.00	0.00	0.00	
8,800.00	0.00	0.00	8,606.54	332.42	-1,417.45	-90.33	0.00	0.00	0.00	
8,900.00	0.00	0.00	8,706.54	332.42	-1,417.45	-90.33	0.00	0.00	0.00	
9,000.00	0.00	0.00	8,806.54	332.42	-1,417.45	-90.33	0.00	0.00	0.00	
9,100.00	0.00	0.00	8,906.54	332.42	-1,417.45	-90.33	0.00	0.00	0.00	
9,200.00	0.00	0.00	9,006.54	332.42	-1,417.45	-90.33	0.00	0.00	0.00	
9,300.00	0.00	0.00	9,106.54	332.42	-1,417.45	-90.33	0.00	0.00	0.00	
9,400.00	0.00	0.00	9,206.54	332.42	-1,417.45	-90.33	0.00	0.00	0.00	
9,500.00	0.00	0.00	9,306.54	332.42	-1,417.45	-90.33	0.00	0.00	0.00	
9,600.00	0.00	0.00	9,406.54	332.42	-1,417.45	-90.33	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 207H
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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 207H	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)
9,700.00	0.00	0.00	9,506.54	332.42	-1,417.45	-90.33	0.00	0.00	0.00
9,800.00	0.00	0.00	9,606.54	332.42	-1,417.45	-90.33	0.00	0.00	0.00
9,900.00	0.00	0.00	9,706.54	332.42	-1,417.45	-90.33	0.00	0.00	0.00
10,000.00	0.00	0.00	9,806.54	332.42	-1,417.45	-90.33	0.00	0.00	0.00
10,100.00	0.00	0.00	9,906.54	332.42	-1,417.45	-90.33	0.00	0.00	0.00
10,200.00	0.00	0.00	10,006.54	332.42	-1,417.45	-90.33	0.00	0.00	0.00
10,300.00	0.00	0.00	10,106.54	332.42	-1,417.45	-90.33	0.00	0.00	0.00
10,400.00	0.00	0.00	10,206.54	332.42	-1,417.45	-90.33	0.00	0.00	0.00
10,425.51	0.00	0.00	10,232.04	332.42	-1,417.45	-90.33	0.00	0.00	0.00
Build 10°/100'									
10,450.00	2.45	179.55	10,256.53	331.90	-1,417.45	-89.82	10.00	10.00	0.00
10,500.00	7.45	179.55	10,306.33	327.58	-1,417.41	-85.57	10.00	10.00	0.00
10,550.00	12.45	179.55	10,355.56	318.95	-1,417.34	-77.07	10.00	10.00	0.00
10,600.00	17.45	179.55	10,403.85	306.05	-1,417.24	-64.37	10.00	10.00	0.00
10,650.00	22.45	179.55	10,450.84	289.00	-1,417.11	-47.58	10.00	10.00	0.00
10,700.00	27.45	179.55	10,496.16	267.92	-1,416.94	-26.82	10.00	10.00	0.00
10,750.00	32.45	179.55	10,539.47	242.96	-1,416.75	-2.26	10.00	10.00	0.00
10,800.00	37.45	179.55	10,580.44	214.33	-1,416.52	25.93	10.00	10.00	0.00
10,850.00	42.45	179.55	10,618.75	182.24	-1,416.27	57.53	10.00	10.00	0.00
10,900.00	47.45	179.55	10,654.13	146.93	-1,415.99	92.30	10.00	10.00	0.00
10,950.00	52.45	179.55	10,686.29	108.66	-1,415.69	129.97	10.00	10.00	0.00
11,000.00	57.45	179.55	10,715.00	67.75	-1,415.37	170.26	10.00	10.00	0.00
11,050.00	62.45	179.55	10,740.03	24.48	-1,415.03	212.85	10.00	10.00	0.00
11,100.00	67.45	179.55	10,761.19	-20.80	-1,414.68	257.43	10.00	10.00	0.00
11,150.00	72.45	179.55	10,778.33	-67.75	-1,414.31	303.66	10.00	10.00	0.00
11,200.00	77.45	179.55	10,791.31	-116.02	-1,413.93	351.19	10.00	10.00	0.00
11,250.00	82.45	179.55	10,800.03	-165.24	-1,413.54	399.64	10.00	10.00	0.00
11,300.00	87.45	179.55	10,804.43	-215.02	-1,413.15	448.66	10.00	10.00	0.00
11,325.51	90.00	179.55	10,805.00	-240.52	-1,412.95	473.76	10.00	10.00	0.00
7720' Hold									
11,400.00	90.00	179.55	10,805.00	-315.01	-1,412.36	547.11	0.00	0.00	0.00
11,500.00	90.00	179.55	10,805.00	-415.01	-1,411.58	645.56	0.00	0.00	0.00
11,600.00	90.00	179.55	10,805.00	-515.01	-1,410.79	744.01	0.00	0.00	0.00
11,700.00	90.00	179.55	10,805.00	-615.00	-1,410.01	842.46	0.00	0.00	0.00
11,800.00	90.00	179.55	10,805.00	-715.00	-1,409.22	940.92	0.00	0.00	0.00
11,900.00	90.00	179.55	10,805.00	-815.00	-1,408.44	1,039.37	0.00	0.00	0.00
12,000.00	90.00	179.55	10,805.00	-914.99	-1,407.65	1,137.82	0.00	0.00	0.00
12,100.00	90.00	179.55	10,805.00	-1,014.99	-1,406.87	1,236.28	0.00	0.00	0.00
12,200.00	90.00	179.55	10,805.00	-1,114.99	-1,406.08	1,334.73	0.00	0.00	0.00
12,300.00	90.00	179.55	10,805.00	-1,214.98	-1,405.30	1,433.18	0.00	0.00	0.00
12,400.00	90.00	179.55	10,805.00	-1,314.98	-1,404.51	1,531.64	0.00	0.00	0.00
12,500.00	90.00	179.55	10,805.00	-1,414.98	-1,403.73	1,630.09	0.00	0.00	0.00
12,600.00	90.00	179.55	10,805.00	-1,514.98	-1,402.94	1,728.54	0.00	0.00	0.00
12,700.00	90.00	179.55	10,805.00	-1,614.97	-1,402.16	1,826.99	0.00	0.00	0.00
12,800.00	90.00	179.55	10,805.00	-1,714.97	-1,401.37	1,925.45	0.00	0.00	0.00
12,900.00	90.00	179.55	10,805.00	-1,814.97	-1,400.58	2,023.90	0.00	0.00	0.00
13,000.00	90.00	179.55	10,805.00	-1,914.96	-1,399.80	2,122.35	0.00	0.00	0.00
13,100.00	90.00	179.55	10,805.00	-2,014.96	-1,399.01	2,220.81	0.00	0.00	0.00
13,200.00	90.00	179.55	10,805.00	-2,114.96	-1,398.23	2,319.26	0.00	0.00	0.00
13,300.00	90.00	179.55	10,805.00	-2,214.95	-1,397.44	2,417.71	0.00	0.00	0.00
13,400.00	90.00	179.55	10,805.00	-2,314.95	-1,396.66	2,516.16	0.00	0.00	0.00
13,500.00	90.00	179.55	10,805.00	-2,414.95	-1,395.87	2,614.62	0.00	0.00	0.00
13,600.00	90.00	179.55	10,805.00	-2,514.94	-1,395.09	2,713.07	0.00	0.00	0.00
13,700.00	90.00	179.55	10,805.00	-2,614.94	-1,394.30	2,811.52	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 207H
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 207H	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)	
13,800.00	90.00	179.55	10,805.00	-2,714.94	-1,393.52	2,909.98	0.00	0.00	0.00	
13,900.00	90.00	179.55	10,805.00	-2,814.94	-1,392.73	3,008.43	0.00	0.00	0.00	
14,000.00	90.00	179.55	10,805.00	-2,914.93	-1,391.95	3,106.88	0.00	0.00	0.00	
14,100.00	90.00	179.55	10,805.00	-3,014.93	-1,391.16	3,205.34	0.00	0.00	0.00	
14,200.00	90.00	179.55	10,805.00	-3,114.93	-1,390.38	3,303.79	0.00	0.00	0.00	
14,300.00	90.00	179.55	10,805.00	-3,214.92	-1,389.59	3,402.24	0.00	0.00	0.00	
14,400.00	90.00	179.55	10,805.00	-3,314.92	-1,388.80	3,500.69	0.00	0.00	0.00	
14,500.00	90.00	179.55	10,805.00	-3,414.92	-1,388.02	3,599.15	0.00	0.00	0.00	
14,600.00	90.00	179.55	10,805.00	-3,514.91	-1,387.23	3,697.60	0.00	0.00	0.00	
14,700.00	90.00	179.55	10,805.00	-3,614.91	-1,386.45	3,796.05	0.00	0.00	0.00	
14,800.00	90.00	179.55	10,805.00	-3,714.91	-1,385.66	3,894.51	0.00	0.00	0.00	
14,900.00	90.00	179.55	10,805.00	-3,814.90	-1,384.88	3,992.96	0.00	0.00	0.00	
15,000.00	90.00	179.55	10,805.00	-3,914.90	-1,384.09	4,091.41	0.00	0.00	0.00	
15,100.00	90.00	179.55	10,805.00	-4,014.90	-1,383.31	4,189.87	0.00	0.00	0.00	
15,200.00	90.00	179.55	10,805.00	-4,114.90	-1,382.52	4,288.32	0.00	0.00	0.00	
15,300.00	90.00	179.55	10,805.00	-4,214.89	-1,381.74	4,386.77	0.00	0.00	0.00	
15,400.00	90.00	179.55	10,805.00	-4,314.89	-1,380.95	4,485.22	0.00	0.00	0.00	
15,500.00	90.00	179.55	10,805.00	-4,414.89	-1,380.17	4,583.68	0.00	0.00	0.00	
15,600.00	90.00	179.55	10,805.00	-4,514.88	-1,379.38	4,682.13	0.00	0.00	0.00	
15,700.00	90.00	179.55	10,805.00	-4,614.88	-1,378.60	4,780.58	0.00	0.00	0.00	
15,800.00	90.00	179.55	10,805.00	-4,714.88	-1,377.81	4,879.04	0.00	0.00	0.00	
15,900.00	90.00	179.55	10,805.00	-4,814.87	-1,377.02	4,977.49	0.00	0.00	0.00	
16,000.00	90.00	179.55	10,805.00	-4,914.87	-1,376.24	5,075.94	0.00	0.00	0.00	
16,100.00	90.00	179.55	10,805.00	-5,014.87	-1,375.45	5,174.40	0.00	0.00	0.00	
16,200.00	90.00	179.55	10,805.00	-5,114.86	-1,374.67	5,272.85	0.00	0.00	0.00	
16,300.00	90.00	179.55	10,805.00	-5,214.86	-1,373.88	5,371.30	0.00	0.00	0.00	
16,400.00	90.00	179.55	10,805.00	-5,314.86	-1,373.10	5,469.75	0.00	0.00	0.00	
16,500.00	90.00	179.55	10,805.00	-5,414.85	-1,372.31	5,568.21	0.00	0.00	0.00	
16,600.00	90.00	179.55	10,805.00	-5,514.85	-1,371.53	5,666.66	0.00	0.00	0.00	
16,700.00	90.00	179.55	10,805.00	-5,614.85	-1,370.74	5,765.11	0.00	0.00	0.00	
16,800.00	90.00	179.55	10,805.00	-5,714.85	-1,369.96	5,863.57	0.00	0.00	0.00	
16,900.00	90.00	179.55	10,805.00	-5,814.84	-1,369.17	5,962.02	0.00	0.00	0.00	
17,000.00	90.00	179.55	10,805.00	-5,914.84	-1,368.39	6,060.47	0.00	0.00	0.00	
17,100.00	90.00	179.55	10,805.00	-6,014.84	-1,367.60	6,158.93	0.00	0.00	0.00	
17,200.00	90.00	179.55	10,805.00	-6,114.83	-1,366.82	6,257.38	0.00	0.00	0.00	
17,300.00	90.00	179.55	10,805.00	-6,214.83	-1,366.03	6,355.83	0.00	0.00	0.00	
17,400.00	90.00	179.55	10,805.00	-6,314.83	-1,365.24	6,454.28	0.00	0.00	0.00	
17,500.00	90.00	179.55	10,805.00	-6,414.82	-1,364.46	6,552.74	0.00	0.00	0.00	
17,600.00	90.00	179.55	10,805.00	-6,514.82	-1,363.67	6,651.19	0.00	0.00	0.00	
17,700.00	90.00	179.55	10,805.00	-6,614.82	-1,362.89	6,749.64	0.00	0.00	0.00	
17,800.00	90.00	179.55	10,805.00	-6,714.81	-1,362.10	6,848.10	0.00	0.00	0.00	
17,900.00	90.00	179.55	10,805.00	-6,814.81	-1,361.32	6,946.55	0.00	0.00	0.00	
18,000.00	90.00	179.55	10,805.00	-6,914.81	-1,360.53	7,045.00	0.00	0.00	0.00	
18,100.00	90.00	179.55	10,805.00	-7,014.81	-1,359.75	7,143.46	0.00	0.00	0.00	
18,200.00	90.00	179.55	10,805.00	-7,114.80	-1,358.96	7,241.91	0.00	0.00	0.00	
18,300.00	90.00	179.55	10,805.00	-7,214.80	-1,358.18	7,340.36	0.00	0.00	0.00	
18,400.00	90.00	179.55	10,805.00	-7,314.80	-1,357.39	7,438.81	0.00	0.00	0.00	
18,500.00	90.00	179.55	10,805.00	-7,414.79	-1,356.61	7,537.27	0.00	0.00	0.00	
18,600.00	90.00	179.55	10,805.00	-7,514.79	-1,355.82	7,635.72	0.00	0.00	0.00	
18,700.00	90.00	179.55	10,805.00	-7,614.79	-1,355.03	7,734.17	0.00	0.00	0.00	
18,800.00	90.00	179.55	10,805.00	-7,714.78	-1,354.25	7,832.63	0.00	0.00	0.00	
18,900.00	90.00	179.55	10,805.00	-7,814.78	-1,353.46	7,931.08	0.00	0.00	0.00	
19,000.00	90.00	179.55	10,805.00	-7,914.78	-1,352.68	8,029.53	0.00	0.00	0.00	
19,045.70	90.00	179.55	10,805.00	-7,960.48	-1,352.32	8,074.53	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 207H
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 207H	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)
TD at 19045.70									

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- hit/miss target									
- Shape									
BLUS 207H PBHL P2	0.00	0.00	10,805.00	-7,960.48	-1,352.32	446,524.19	752,570.97	32.224973	-103.516586
- plan hits target center									
- Point									
BLUS 207H LP P2	0.00	0.00	10,805.00	-240.52	-1,412.95	454,244.15	752,510.34	32.246194	-103.516592
- plan hits target center									
- Point									

Casing Points					
Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")	
1,500.00	1,500.00	13 3/8"	13-3/8	17-1/2	
5,200.00	5,082.00	9 5/8"	9-5/8	12-1/4	

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
1,600.00	1,600.00	0.00	0.00	Build 2°/100'
2,396.94	2,386.70	25.15	-107.23	4499' Hold
6,896.52	6,713.30	307.27	-1,310.22	Drop 2°/100'
7,693.46	7,500.00	332.42	-1,417.45	2732' Hold
10,425.51	10,232.04	332.42	-1,417.45	Build 10°/100'
11,325.51	10,805.00	-240.52	-1,412.95	7720' Hold
19,045.70	10,805.00	-7,960.48	-1,352.32	TD at 19045.70

Kaiser-Francis Oil Company

Kaiser-Francis Oil Company

Lea Co., NM (NAD-27)
Bell Lake Unit South
Bell Lake Unit South 207H

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 207H
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 207H	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	19,045.70	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	1,600.00	1,577.00	689.85	621.25	10.057	CC
Bell Lake Unit 1 #004 - OH - OH	1,900.00	1,876.45	696.88	615.25	8.538	ES
Bell Lake Unit 1 #004 - OH - OH	10,850.00	10,595.75	1,885.73	1,422.94	4.075	SF
Bell Lake Unit 8 - OH - OH	15,848.29	10,781.00	522.75	11.68	1.023	Collision Avoidance Req., CC
Bell Lake Unit South						
Bell Lake Unit South 208H - OH - Plan #2	1,768.33	1,768.24	19.51	7.28	1.596	Collision Risk Procedures Re
Bell Lake Unit South 208H - OH - Plan #2	1,800.00	1,799.84	19.61	7.17	1.576	Collision Risk Procedures Re
Bell Lake Unit South 408H - OH - Plan #1	1,600.00	1,600.00	40.12	29.09	3.637	CC
Bell Lake Unit South 408H - OH - Plan #1	1,700.00	1,699.46	40.39	28.66	3.443	ES
Bell Lake Unit South 408H - OH - Plan #1	2,200.00	2,197.55	48.20	32.90	3.149	SF

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	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)	Separation Factor			
0.00	0.00	0.00	0.00	0.00	0.00	39.23	534.36	436.29	690.23						
100.00	100.00	77.00	77.00	0.14	3.08	39.23	534.36	436.29	689.85	686.63	3.22	214.357			
200.00	200.00	177.00	177.00	0.50	7.08	39.23	534.36	436.29	689.85	682.27	7.58	91.049			
300.00	300.00	277.00	277.00	0.85	11.08	39.23	534.36	436.29	689.85	677.91	11.94	57.799			
400.00	400.00	377.00	377.00	1.21	15.08	39.23	534.36	436.29	689.85	673.55	16.29	42.338			
500.00	500.00	477.00	477.00	1.57	19.08	39.23	534.36	436.29	689.85	669.19	20.65	33.403			
600.00	600.00	577.00	577.00	1.93	23.08	39.23	534.36	436.29	689.85	664.84	25.01	27.582			
700.00	700.00	677.00	677.00	2.29	27.08	39.23	534.36	436.29	689.85	660.48	29.37	23.489			
800.00	800.00	777.00	777.00	2.65	31.08	39.23	534.36	436.29	689.85	656.12	33.73	20.454			
900.00	900.00	877.00	877.00	3.01	35.08	39.23	534.36	436.29	689.85	651.76	38.09	18.113			
1,000.00	1,000.00	977.00	977.00	3.36	39.08	39.23	534.36	436.29	689.85	647.40	42.44	16.253			
1,100.00	1,100.00	1,077.00	1,077.00	3.72	43.08	39.23	534.36	436.29	689.85	643.04	46.80	14.739			
1,200.00	1,200.00	1,177.00	1,177.00	4.08	47.08	39.23	534.36	436.29	689.85	638.68	51.16	13.484			
1,300.00	1,300.00	1,277.00	1,277.00	4.44	51.08	39.23	534.36	436.29	689.85	634.33	55.52	12.425			
1,400.00	1,400.00	1,377.00	1,377.00	4.80	55.08	39.23	534.36	436.29	689.85	629.97	59.88	11.521			
1,500.00	1,500.00	1,477.00	1,477.00	5.16	59.08	39.23	534.36	436.29	689.85	625.61	64.24	10.739			
1,600.00	1,600.00	1,577.00	1,577.00	5.52	63.08	39.23	534.36	436.29	689.85	621.25	68.60	10.057	CC		

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 207H
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 207H	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)			
1,700.00	1,699.98	1,676.98	1,676.98	5.87	67.08	116.15	534.36	436.29	690.61	617.67	72.95	9.467	
1,800.00	1,799.84	1,776.84	1,776.84	6.21	71.07	116.49	534.36	436.29	692.94	615.65	77.29	8.966	
1,900.00	1,899.45	1,876.45	1,876.45	6.57	75.06	117.06	534.36	436.29	696.88	615.25	81.62	8.538 ES	
2,000.00	1,998.70	1,975.70	1,975.70	6.92	79.03	117.84	534.36	436.29	702.53	616.58	85.95	8.174	
2,100.00	2,097.47	2,074.47	2,074.47	7.29	82.98	118.82	534.36	436.29	710.02	619.77	90.25	7.867	
2,200.00	2,195.62	2,172.62	2,172.62	7.66	86.91	119.97	534.36	436.29	719.52	624.98	94.55	7.610	
2,300.00	2,293.06	2,270.06	2,270.06	8.05	90.80	121.26	534.36	436.29	731.20	632.38	98.82	7.399	
2,396.94	2,386.70	2,363.70	2,363.70	8.44	94.55	122.64	534.36	436.29	744.79	641.85	102.94	7.235	
2,400.00	2,389.64	2,366.64	2,366.64	8.45	94.67	122.69	534.36	436.29	745.25	642.19	103.07	7.231	
2,500.00	2,485.80	2,462.80	2,462.80	8.87	98.51	124.39	534.36	436.29	760.84	653.54	107.30	7.091	
2,600.00	2,581.95	2,558.95	2,558.95	9.31	102.36	126.02	534.36	436.29	777.09	665.54	111.54	6.967	
2,700.00	2,678.11	2,655.11	2,655.11	9.75	106.20	127.58	534.36	436.29	793.95	678.16	115.79	6.857	
2,800.00	2,774.27	2,751.27	2,751.27	10.20	110.05	129.08	534.36	436.29	811.39	691.36	120.03	6.760	
2,900.00	2,870.42	2,847.42	2,847.42	10.67	113.90	130.52	534.36	436.29	829.38	705.10	124.28	6.673	
3,000.00	2,966.58	2,943.58	2,943.58	11.13	117.74	131.90	534.36	436.29	847.87	719.34	128.53	6.597	
3,100.00	3,062.73	3,039.73	3,039.73	11.61	121.59	133.23	534.36	436.29	866.84	734.06	132.78	6.528	
3,200.00	3,158.89	3,135.89	3,135.89	12.08	125.44	134.50	534.36	436.29	886.26	749.23	137.03	6.468	
3,300.00	3,255.04	3,232.04	3,232.04	12.57	129.28	135.71	534.36	436.29	906.09	764.81	141.28	6.414	
3,400.00	3,351.20	3,328.20	3,328.20	13.06	133.13	136.88	534.36	436.29	926.31	780.78	145.52	6.365	
3,500.00	3,447.35	3,424.35	3,424.35	13.55	136.97	137.99	534.36	436.29	946.89	797.12	149.77	6.322	
3,600.00	3,543.51	3,520.51	3,520.51	14.04	140.82	139.06	534.36	436.29	967.82	813.80	154.01	6.284	
3,700.00	3,639.67	3,616.67	3,616.67	14.54	144.67	140.09	534.36	436.29	989.06	830.80	158.26	6.250	
3,800.00	3,735.82	3,712.82	3,712.82	15.04	148.51	141.07	534.36	436.29	1,010.61	848.11	162.50	6.219	
3,900.00	3,831.98	3,808.98	3,808.98	15.54	152.36	142.02	534.36	436.29	1,032.44	865.69	166.74	6.192	
4,000.00	3,928.13	3,905.13	3,905.13	16.05	156.21	142.92	534.36	436.29	1,054.53	883.54	170.98	6.167	
4,100.00	4,024.29	4,001.29	4,001.29	16.55	160.05	143.79	534.36	436.29	1,076.86	901.64	175.23	6.146	
4,200.00	4,120.44	4,097.44	4,097.44	17.06	163.90	144.63	534.36	436.29	1,099.43	919.97	179.46	6.126	
4,300.00	4,216.60	4,193.60	4,193.60	17.57	167.74	145.43	534.36	436.29	1,122.22	938.52	183.70	6.109	
4,400.00	4,312.75	4,289.75	4,289.75	18.09	171.59	146.20	534.36	436.29	1,145.21	957.27	187.94	6.093	
4,500.00	4,408.91	4,385.91	4,385.91	18.60	175.44	146.94	534.36	436.29	1,168.40	976.22	192.18	6.080	
4,600.00	4,505.07	4,482.07	4,482.07	19.11	179.28	147.65	534.36	436.29	1,191.76	995.35	196.41	6.068	
4,700.00	4,601.22	4,578.22	4,578.22	19.63	183.13	148.34	534.36	436.29	1,215.30	1,014.65	200.65	6.057	
4,800.00	4,697.38	4,674.38	4,674.38	20.15	186.98	149.00	534.36	436.29	1,239.00	1,034.12	204.88	6.047	
4,900.00	4,793.53	4,770.53	4,770.53	20.67	190.82	149.63	534.36	436.29	1,262.85	1,053.74	209.12	6.039	
5,000.00	4,889.69	4,866.69	4,866.69	21.18	194.67	150.25	534.36	436.29	1,286.85	1,073.50	213.35	6.032	
5,100.00	4,985.84	4,962.84	4,962.84	21.70	198.51	150.84	534.36	436.29	1,310.98	1,093.40	217.59	6.025	
5,200.00	5,082.00	5,059.00	5,059.00	22.22	202.36	151.41	534.36	436.29	1,335.24	1,113.42	221.82	6.019	
5,300.00	5,178.15	5,155.15	5,155.15	22.75	206.21	151.96	534.36	436.29	1,359.63	1,133.57	226.05	6.015	
5,400.00	5,274.31	5,251.31	5,251.31	23.27	210.05	152.49	534.36	436.29	1,384.12	1,153.84	230.29	6.010	
5,500.00	5,370.46	5,347.46	5,347.46	23.79	213.90	153.00	534.36	436.29	1,408.73	1,174.21	234.52	6.007	
5,600.00	5,466.62	5,443.62	5,443.62	24.31	217.74	153.49	534.36	436.29	1,433.44	1,194.69	238.75	6.004	
5,700.00	5,562.78	5,539.78	5,539.78	24.84	221.59	153.97	534.36	436.29	1,458.25	1,215.27	242.99	6.001	
5,800.00	5,658.93	5,635.93	5,635.93	25.36	225.44	154.43	534.36	436.29	1,483.15	1,235.94	247.22	5.999	
5,900.00	5,755.09	5,732.09	5,732.09	25.89	229.28	154.88	534.36	436.29	1,508.15	1,256.69	251.45	5.998	
6,000.00	5,851.24	5,828.24	5,828.24	26.41	233.13	155.31	534.36	436.29	1,533.22	1,277.54	255.68	5.997	
6,100.00	5,947.40	5,924.40	5,924.40	26.94	236.98	155.73	534.36	436.29	1,558.38	1,298.46	259.92	5.996	
6,200.00	6,043.55	6,020.55	6,020.55	27.47	240.82	156.14	534.36	436.29	1,583.61	1,319.46	264.15	5.995	
6,300.00	6,139.71	6,116.71	6,116.71	27.99	244.67	156.53	534.36	436.29	1,608.92	1,340.54	268.38	5.995	
6,400.00	6,235.86	6,212.86	6,212.86	28.52	248.51	156.91	534.36	436.29	1,634.29	1,361.68	272.61	5.995	
6,500.00	6,332.02	6,309.02	6,309.02	29.05	252.36	157.28	534.36	436.29	1,659.73	1,382.89	276.85	5.995	
6,600.00	6,428.18	6,405.18	6,405.18	29.57	256.21	157.64	534.36	436.29	1,685.24	1,404.16	281.08	5.996	
6,700.00	6,524.33	6,501.33	6,501.33	30.10	260.05	157.99	534.36	436.29	1,710.81	1,425.49	285.31	5.996	

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 207H
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 207H	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	6,620.49	6,597.49	6,597.49	30.63	263.90	158.33	534.36	436.29	1,736.43	1,446.88	289.54	5.997	
6,896.52	6,713.30	6,690.30	6,690.30	31.14	267.61	158.64	534.36	436.29	1,761.21	1,467.58	293.63	5.998	
6,900.00	6,716.64	6,693.64	6,693.64	31.16	267.75	158.66	534.36	436.29	1,762.11	1,468.33	293.78	5.998	
7,000.00	6,813.29	6,790.29	6,790.29	31.67	271.61	159.14	534.36	436.29	1,786.15	1,488.12	298.03	5.993	
7,100.00	6,910.77	6,887.77	6,887.77	32.15	275.51	159.54	534.36	436.29	1,807.05	1,504.75	302.30	5.978	
7,200.00	7,008.97	6,985.97	6,985.97	32.59	279.44	159.87	534.36	436.29	1,824.78	1,518.18	306.60	5.952	
7,300.00	7,107.77	7,084.77	7,084.77	33.00	283.39	160.13	534.36	436.29	1,839.28	1,528.37	310.91	5.916	
7,400.00	7,207.05	7,184.05	7,184.05	33.38	287.36	160.33	534.36	436.29	1,850.55	1,535.32	315.23	5.870	
7,500.00	7,306.68	7,283.68	7,283.68	33.73	291.35	160.48	534.36	436.29	1,858.55	1,538.99	319.56	5.816	
7,600.00	7,406.55	7,383.55	7,383.55	34.04	295.34	160.56	534.36	436.29	1,863.27	1,539.38	323.89	5.753	
7,693.46	7,500.00	7,477.00	7,477.00	34.30	299.08	83.78	534.36	436.29	1,864.71	1,536.78	327.92	5.686	
7,700.00	7,506.54	7,483.54	7,483.54	34.32	299.34	83.78	534.36	436.29	1,864.71	1,536.50	328.20	5.682	
7,800.00	7,606.54	7,583.54	7,583.54	34.59	303.34	83.78	534.36	436.29	1,864.71	1,532.19	332.52	5.608	
7,900.00	7,706.54	7,683.54	7,683.54	34.87	307.34	83.78	534.36	436.29	1,864.71	1,527.87	336.83	5.536	
8,000.00	7,806.54	7,783.54	7,783.54	35.15	311.34	83.78	534.36	436.29	1,864.71	1,523.56	341.15	5.466	
8,100.00	7,906.54	7,883.54	7,883.54	35.43	315.34	83.78	534.36	436.29	1,864.71	1,519.24	345.47	5.398	
8,200.00	8,006.54	7,983.54	7,983.54	35.71	319.34	83.78	534.36	436.29	1,864.71	1,514.92	349.79	5.331	
8,300.00	8,106.54	8,083.54	8,083.54	35.99	323.34	83.78	534.36	436.29	1,864.71	1,510.60	354.11	5.266	
8,400.00	8,206.54	8,183.54	8,183.54	36.28	327.34	83.78	534.36	436.29	1,864.71	1,506.28	358.43	5.202	
8,500.00	8,306.54	8,283.54	8,283.54	36.56	331.34	83.78	534.36	436.29	1,864.71	1,501.96	362.75	5.141	
8,600.00	8,406.54	8,383.54	8,383.54	36.85	335.34	83.78	534.36	436.29	1,864.71	1,497.64	367.07	5.080	
8,700.00	8,506.54	8,483.54	8,483.54	37.13	339.34	83.78	534.36	436.29	1,864.71	1,493.32	371.39	5.021	
8,800.00	8,606.54	8,583.54	8,583.54	37.42	343.34	83.78	534.36	436.29	1,864.71	1,488.99	375.71	4.963	
8,900.00	8,706.54	8,683.54	8,683.54	37.71	347.34	83.78	534.36	436.29	1,864.71	1,484.67	380.04	4.907	
9,000.00	8,806.54	8,783.54	8,783.54	38.00	351.34	83.78	534.36	436.29	1,864.71	1,480.34	384.36	4.851	
9,100.00	8,906.54	8,883.54	8,883.54	38.30	355.34	83.78	534.36	436.29	1,864.71	1,476.02	388.69	4.797	
9,200.00	9,006.54	8,983.54	8,983.54	38.59	359.34	83.78	534.36	436.29	1,864.71	1,471.69	393.01	4.745	
9,300.00	9,106.54	9,083.54	9,083.54	38.88	363.34	83.78	534.36	436.29	1,864.71	1,467.37	397.34	4.693	
9,400.00	9,206.54	9,183.54	9,183.54	39.18	367.34	83.78	534.36	436.29	1,864.71	1,463.04	401.67	4.642	
9,500.00	9,306.54	9,283.54	9,283.54	39.48	371.34	83.78	534.36	436.29	1,864.71	1,458.71	405.99	4.593	
9,600.00	9,406.54	9,383.54	9,383.54	39.77	375.34	83.78	534.36	436.29	1,864.71	1,454.38	410.32	4.544	
9,700.00	9,506.54	9,483.54	9,483.54	40.07	379.34	83.78	534.36	436.29	1,864.71	1,450.05	414.65	4.497	
9,800.00	9,606.54	9,583.54	9,583.54	40.37	383.34	83.78	534.36	436.29	1,864.71	1,445.72	418.98	4.451	
9,900.00	9,706.54	9,683.54	9,683.54	40.67	387.34	83.78	534.36	436.29	1,864.71	1,441.39	423.31	4.405	
10,000.00	9,806.54	9,783.54	9,783.54	40.97	391.34	83.78	534.36	436.29	1,864.71	1,437.06	427.64	4.360	
10,100.00	9,906.54	9,883.54	9,883.54	41.28	395.34	83.78	534.36	436.29	1,864.71	1,432.73	431.97	4.317	
10,200.00	10,006.54	9,983.54	9,983.54	41.58	399.34	83.78	534.36	436.29	1,864.71	1,428.40	436.31	4.274	
10,300.00	10,106.54	10,083.54	10,083.54	41.88	403.34	83.78	534.36	436.29	1,864.71	1,424.07	440.64	4.232	
10,400.00	10,206.54	10,183.54	10,183.54	42.19	407.34	83.78	534.36	436.29	1,864.71	1,419.74	444.97	4.191	
10,425.51	10,232.04	10,209.04	10,209.04	42.26	408.36	83.78	534.36	436.29	1,864.71	1,418.63	446.07	4.180	
10,450.00	10,256.53	10,233.53	10,233.53	42.33	409.34	-95.78	534.36	436.29	1,864.76	1,417.63	447.13	4.171	
10,500.00	10,306.33	10,283.33	10,283.33	42.47	411.33	-95.87	534.36	436.29	1,865.20	1,415.92	449.28	4.152	
10,550.00	10,355.56	10,332.56	10,332.56	42.59	413.30	-96.03	534.36	436.29	1,866.11	1,414.71	451.40	4.134	
10,600.00	10,403.85	10,380.85	10,380.85	42.72	415.23	-96.27	534.36	436.29	1,867.54	1,414.06	453.48	4.118	
10,650.00	10,450.84	10,427.84	10,427.84	42.83	417.11	-96.56	534.36	436.29	1,869.57	1,414.06	455.51	4.104	
10,700.00	10,496.16	10,473.16	10,473.16	42.93	418.93	-96.87	534.36	436.29	1,872.29	1,414.82	457.47	4.093	
10,750.00	10,539.47	10,516.47	10,516.47	43.02	420.66	-97.18	534.36	436.29	1,875.81	1,416.47	459.34	4.084	
10,800.00	10,580.44	10,557.44	10,557.44	43.09	422.30	-97.45	534.36	436.29	1,880.25	1,419.13	461.12	4.078	
10,850.00	10,618.75	10,595.75	10,595.75	43.16	423.83	-97.65	534.36	436.29	1,885.73	1,422.94	462.78	4.075 SF	
10,900.00	10,654.13	10,631.13	10,631.13	43.21	425.25	-97.74	534.36	436.29	1,892.37	1,428.04	464.33	4.075	
10,950.00	10,686.29	10,663.29	10,663.29	43.25	426.53	-97.69	534.36	436.29	1,900.28	1,434.54	465.74	4.080	
11,000.00	10,715.00	10,692.00	10,692.00	43.28	427.68	-97.47	534.36	436.29	1,909.55	1,442.54	467.01	4.089	

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 207H
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 207H	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						Rule Assigned:				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)			Minimum Separation (usft)	
11,050.00	10,740.03	10,717.03	10,717.03	43.30	428.68	-97.04	534.36	436.29	1,920.25	1,452.13	468.12	4.102		
11,100.00	10,761.19	10,738.19	10,738.19	43.32	429.53	-96.38	534.36	436.29	1,932.43	1,463.36	469.07	4.120		
11,150.00	10,778.33	10,755.33	10,755.33	43.32	430.21	-95.46	534.36	436.29	1,946.08	1,476.23	469.85	4.142		
11,200.00	10,791.31	10,768.31	10,768.31	43.32	430.73	-94.26	534.36	436.29	1,961.20	1,490.74	470.45	4.169		
11,250.00	10,800.03	10,777.03	10,777.03	43.33	431.08	-92.78	534.36	436.29	1,977.70	1,506.83	470.88	4.200		
11,300.00	10,804.43	10,781.43	10,781.43	43.33	431.26	-91.01	534.36	436.29	1,995.50	1,524.38	471.11	4.236		
11,325.51	10,805.00	10,782.00	10,782.00	43.33	431.28	-90.00	534.36	436.29	2,005.02	1,533.86	471.16	4.256		
11,400.00	10,805.00	10,782.00	10,782.00	43.35	431.28	-90.00	534.36	436.29	2,034.44	1,563.21	471.23	4.317		
11,500.00	10,805.00	10,782.00	10,782.00	43.41	431.28	-90.00	534.36	436.29	2,077.48	1,606.14	471.34	4.408		
11,600.00	10,805.00	10,782.00	10,782.00	43.50	431.28	-90.00	534.36	436.29	2,124.36	1,652.91	471.45	4.506		
11,700.00	10,805.00	10,782.00	10,782.00	43.63	431.28	-90.00	534.36	436.29	2,174.82	1,703.26	471.56	4.612		
11,800.00	10,805.00	10,782.00	10,782.00	43.81	431.28	-90.00	534.36	436.29	2,228.64	1,756.96	471.68	4.725		
11,900.00	10,805.00	10,782.00	10,782.00	44.05	431.28	-90.00	534.36	436.29	2,285.56	1,813.77	471.79	4.844		
12,000.00	10,805.00	10,782.00	10,782.00	44.35	431.28	-90.00	534.36	436.29	2,345.37	1,873.46	471.91	4.970		
12,100.00	10,805.00	10,782.00	10,782.00	44.71	431.28	-90.00	534.36	436.29	2,407.84	1,935.82	472.02	5.101		
12,200.00	10,805.00	10,782.00	10,782.00	45.13	431.28	-90.00	534.36	436.29	2,472.79	2,000.65	472.14	5.237		
12,300.00	10,805.00	10,782.00	10,782.00	45.61	431.28	-90.00	534.36	436.29	2,540.01	2,067.76	472.24	5.379		
12,400.00	10,805.00	10,782.00	10,782.00	46.14	431.28	-90.00	534.36	436.29	2,609.33	2,136.98	472.35	5.524		
12,500.00	10,805.00	10,782.00	10,782.00	46.73	431.28	-90.00	534.36	436.29	2,680.59	2,208.14	472.45	5.674		
12,600.00	10,805.00	10,782.00	10,782.00	47.36	431.28	-90.00	534.36	436.29	2,753.64	2,281.09	472.55	5.827		
12,700.00	10,805.00	10,782.00	10,782.00	48.04	431.28	-90.00	534.36	436.29	2,828.34	2,355.69	472.65	5.984		
12,800.00	10,805.00	10,782.00	10,782.00	48.76	431.28	-90.00	534.36	436.29	2,904.56	2,431.82	472.74	6.144		
12,900.00	10,805.00	10,782.00	10,782.00	49.51	431.28	-90.00	534.36	436.29	2,982.19	2,509.35	472.83	6.307		
13,000.00	10,805.00	10,782.00	10,782.00	50.30	431.28	-90.00	534.36	436.29	3,061.11	2,588.19	472.92	6.473		
13,100.00	10,805.00	10,782.00	10,782.00	51.12	431.28	-90.00	534.36	436.29	3,141.24	2,668.23	473.00	6.641		
13,200.00	10,805.00	10,782.00	10,782.00	51.97	431.28	-90.00	534.36	436.29	3,222.47	2,749.39	473.09	6.812		
13,300.00	10,805.00	10,782.00	10,782.00	52.85	431.28	-90.00	534.36	436.29	3,304.74	2,831.57	473.16	6.984		
13,400.00	10,805.00	10,782.00	10,782.00	53.75	431.28	-90.00	534.36	436.29	3,387.96	2,914.72	473.24	7.159		
13,500.00	10,805.00	10,782.00	10,782.00	54.68	431.28	-90.00	534.36	436.29	3,472.06	2,998.75	473.31	7.336		
13,600.00	10,805.00	10,782.00	10,782.00	55.63	431.28	-90.00	534.36	436.29	3,556.99	3,083.60	473.39	7.514		
13,700.00	10,805.00	10,782.00	10,782.00	56.60	431.28	-90.00	534.36	436.29	3,642.68	3,169.23	473.46	7.694		
13,800.00	10,805.00	10,782.00	10,782.00	57.59	431.28	-90.00	534.36	436.29	3,729.09	3,255.56	473.53	7.875		
13,900.00	10,805.00	10,782.00	10,782.00	58.60	431.28	-90.00	534.36	436.29	3,816.16	3,342.57	473.59	8.058		
14,000.00	10,805.00	10,782.00	10,782.00	59.63	431.28	-90.00	534.36	436.29	3,903.85	3,430.19	473.66	8.242		
14,100.00	10,805.00	10,782.00	10,782.00	60.68	431.28	-90.00	534.36	436.29	3,992.12	3,518.39	473.73	8.427		
14,200.00	10,805.00	10,782.00	10,782.00	61.74	431.28	-90.00	534.36	436.29	4,080.93	3,607.14	473.79	8.613		
14,300.00	10,805.00	10,782.00	10,782.00	62.81	431.28	-90.00	534.36	436.29	4,170.24	3,696.39	473.85	8.801		
14,400.00	10,805.00	10,782.00	10,782.00	63.91	431.28	-90.00	534.36	436.29	4,260.04	3,786.12	473.92	8.989		
14,500.00	10,805.00	10,782.00	10,782.00	65.01	431.28	-90.00	534.36	436.29	4,350.27	3,876.30	473.98	9.178		
14,600.00	10,805.00	10,782.00	10,782.00	66.13	431.28	-90.00	534.36	436.29	4,440.93	3,966.89	474.04	9.368		
14,700.00	10,805.00	10,782.00	10,782.00	67.26	431.28	-90.00	534.36	436.29	4,531.98	4,057.88	474.10	9.559		
14,800.00	10,805.00	10,782.00	10,782.00	68.40	431.28	-90.00	534.36	436.29	4,623.39	4,149.23	474.16	9.751		
14,900.00	10,805.00	10,782.00	10,782.00	69.55	431.28	-90.00	534.36	436.29	4,715.16	4,240.94	474.22	9.943		

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 207H
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 207H	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)			
11,150.00	10,778.33	10,754.33	10,754.33	43.32	430.17	-20.26	-4,759.06	-854.70	4,724.57	4,251.20	473.36	9.981	
11,200.00	10,791.31	10,767.31	10,767.31	43.32	430.69	-27.37	-4,759.06	-854.70	4,676.60	4,202.68	473.92	9.868	
11,250.00	10,800.03	10,776.03	10,776.03	43.33	431.04	-40.87	-4,759.06	-854.70	4,627.69	4,153.39	474.30	9.757	
11,300.00	10,804.43	10,780.43	10,780.43	43.33	431.22	-68.83	-4,759.06	-854.70	4,578.22	4,103.72	474.50	9.648	
11,325.51	10,805.00	10,781.00	10,781.00	43.33	431.24	-90.00	-4,759.06	-854.70	4,552.89	4,078.35	474.54	9.594	
11,400.00	10,805.00	10,781.00	10,781.00	43.35	431.24	-90.00	-4,759.06	-854.70	4,478.90	4,004.32	474.58	9.438	
11,500.00	10,805.00	10,781.00	10,781.00	43.41	431.24	-90.00	-4,759.06	-854.70	4,379.60	3,904.96	474.64	9.227	
11,600.00	10,805.00	10,781.00	10,781.00	43.50	431.24	-90.00	-4,759.06	-854.70	4,280.33	3,805.62	474.71	9.017	
11,700.00	10,805.00	10,781.00	10,781.00	43.63	431.24	-90.00	-4,759.06	-854.70	4,181.10	3,706.32	474.78	8.806	
11,800.00	10,805.00	10,781.00	10,781.00	43.81	431.24	-90.00	-4,759.06	-854.70	4,081.90	3,607.05	474.86	8.596	
11,900.00	10,805.00	10,781.00	10,781.00	44.05	431.24	-90.00	-4,759.06	-854.70	3,982.75	3,507.81	474.94	8.386	
12,000.00	10,805.00	10,781.00	10,781.00	44.35	431.24	-90.00	-4,759.06	-854.70	3,883.63	3,408.61	475.02	8.176	
12,100.00	10,805.00	10,781.00	10,781.00	44.71	431.24	-90.00	-4,759.06	-854.70	3,784.57	3,309.46	475.11	7.966	
12,200.00	10,805.00	10,781.00	10,781.00	45.13	431.24	-90.00	-4,759.06	-854.70	3,685.55	3,210.34	475.21	7.756	
12,300.00	10,805.00	10,781.00	10,781.00	45.61	431.24	-90.00	-4,759.06	-854.70	3,586.59	3,111.28	475.31	7.546	
12,400.00	10,805.00	10,781.00	10,781.00	46.14	431.24	-90.00	-4,759.06	-854.70	3,487.69	3,012.26	475.43	7.336	
12,500.00	10,805.00	10,781.00	10,781.00	46.73	431.24	-90.00	-4,759.06	-854.70	3,388.85	2,913.31	475.55	7.126	
12,600.00	10,805.00	10,781.00	10,781.00	47.36	431.24	-90.00	-4,759.06	-854.70	3,290.08	2,814.41	475.67	6.917	
12,700.00	10,805.00	10,781.00	10,781.00	48.04	431.24	-90.00	-4,759.06	-854.70	3,191.39	2,715.58	475.81	6.707	
12,800.00	10,805.00	10,781.00	10,781.00	48.76	431.24	-90.00	-4,759.06	-854.70	3,092.79	2,616.83	475.96	6.498	
12,900.00	10,805.00	10,781.00	10,781.00	49.51	431.24	-90.00	-4,759.06	-854.70	2,994.27	2,518.15	476.12	6.289	
13,000.00	10,805.00	10,781.00	10,781.00	50.30	431.24	-90.00	-4,759.06	-854.70	2,895.86	2,419.57	476.30	6.080	
13,100.00	10,805.00	10,781.00	10,781.00	51.12	431.24	-90.00	-4,759.06	-854.70	2,797.56	2,321.08	476.49	5.871	
13,200.00	10,805.00	10,781.00	10,781.00	51.97	431.24	-90.00	-4,759.06	-854.70	2,699.39	2,222.70	476.69	5.663	
13,300.00	10,805.00	10,781.00	10,781.00	52.85	431.24	-90.00	-4,759.06	-854.70	2,601.36	2,124.44	476.91	5.455	
13,400.00	10,805.00	10,781.00	10,781.00	53.75	431.24	-90.00	-4,759.06	-854.70	2,503.48	2,026.32	477.16	5.247	
13,500.00	10,805.00	10,781.00	10,781.00	54.68	431.24	-90.00	-4,759.06	-854.70	2,405.77	1,928.34	477.43	5.039	
13,600.00	10,805.00	10,781.00	10,781.00	55.63	431.24	-90.00	-4,759.06	-854.70	2,308.26	1,830.54	477.72	4.832	
13,700.00	10,805.00	10,781.00	10,781.00	56.60	431.24	-90.00	-4,759.06	-854.70	2,210.98	1,732.93	478.05	4.625	
13,800.00	10,805.00	10,781.00	10,781.00	57.59	431.24	-90.00	-4,759.06	-854.70	2,113.94	1,635.54	478.41	4.419	
13,900.00	10,805.00	10,781.00	10,781.00	58.60	431.24	-90.00	-4,759.06	-854.70	2,017.20	1,538.39	478.81	4.213	
14,000.00	10,805.00	10,781.00	10,781.00	59.63	431.24	-90.00	-4,759.06	-854.70	1,920.79	1,441.53	479.26	4.008	
14,100.00	10,805.00	10,781.00	10,781.00	60.68	431.24	-90.00	-4,759.06	-854.70	1,824.77	1,345.00	479.76	3.803	
14,200.00	10,805.00	10,781.00	10,781.00	61.74	431.24	-90.00	-4,759.06	-854.70	1,729.20	1,248.86	480.34	3.600	
14,300.00	10,805.00	10,781.00	10,781.00	62.81	431.24	-90.00	-4,759.06	-854.70	1,634.16	1,153.17	480.99	3.398	
14,400.00	10,805.00	10,781.00	10,781.00	63.91	431.24	-90.00	-4,759.06	-854.70	1,539.74	1,058.02	481.73	3.196	
14,500.00	10,805.00	10,781.00	10,781.00	65.01	431.24	-90.00	-4,759.06	-854.70	1,446.08	963.50	482.58	2.997	
14,600.00	10,805.00	10,781.00	10,781.00	66.13	431.24	-90.00	-4,759.06	-854.70	1,353.33	869.76	483.57	2.799	
14,700.00	10,805.00	10,781.00	10,781.00	67.26	431.24	-90.00	-4,759.06	-854.70	1,261.68	776.96	484.72	2.603	
14,800.00	10,805.00	10,781.00	10,781.00	68.40	431.24	-90.00	-4,759.06	-854.70	1,171.40	685.34	486.06	2.410	
14,900.00	10,805.00	10,781.00	10,781.00	69.55	431.24	-90.00	-4,759.06	-854.70	1,082.83	595.19	487.64	2.221	
15,000.00	10,805.00	10,781.00	10,781.00	70.72	431.24	-90.00	-4,759.06	-854.70	996.42	506.92	489.50	2.036	
15,100.00	10,805.00	10,781.00	10,781.00	71.89	431.24	-90.00	-4,759.06	-854.70	912.80	421.10	491.70	1.856	Collision Risk Procedures Req.
15,200.00	10,805.00	10,781.00	10,781.00	73.07	431.24	-90.00	-4,759.06	-854.70	832.79	338.51	494.29	1.685	Collision Risk Procedures Req.
15,300.00	10,805.00	10,781.00	10,781.00	74.26	431.24	-90.00	-4,759.06	-854.70	757.55	260.28	497.27	1.523	Collision Risk Procedures Req.
15,400.00	10,805.00	10,781.00	10,781.00	75.47	431.24	-90.00	-4,759.06	-854.70	688.64	188.01	500.63	1.376	Collision Avoidance Req.
15,500.00	10,805.00	10,781.00	10,781.00	76.67	431.24	-90.00	-4,759.06	-854.70	628.15	123.95	504.19	1.246	Collision Avoidance Req.
15,600.00	10,805.00	10,781.00	10,781.00	77.89	431.24	-90.00	-4,759.06	-854.70	578.72	71.13	507.59	1.140	Collision Avoidance Req.
15,700.00	10,805.00	10,781.00	10,781.00	79.11	431.24	-90.00	-4,759.06	-854.70	543.37	33.18	510.19	1.065	Collision Avoidance Req.
15,800.00	10,805.00	10,781.00	10,781.00	80.34	431.24	-90.00	-4,759.06	-854.70	524.97	13.71	511.27	1.027	Collision Avoidance Req.
15,848.29	10,805.00	10,781.00	10,781.00	80.94	431.24	-90.00	-4,759.06	-854.70	522.75	11.68	511.07	1.023	Collision Avoidance Req., CC, ES, SF
15,900.00	10,805.00	10,781.00	10,781.00	81.58	431.24	-90.00	-4,759.06	-854.70	525.30	14.98	510.32	1.029	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 207H
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 207H	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		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	
16,000.00	10,805.00	10,781.00	10,781.00	82.83	431.24	-90.00	-4,759.06	-854.70	544.32	36.82	507.50	1.073	Collision Avoidance Req.
16,100.00	10,805.00	10,781.00	10,781.00	84.08	431.24	-90.00	-4,759.06	-854.70	580.19	76.70	503.49	1.152	Collision Avoidance Req.
16,200.00	10,805.00	10,781.00	10,781.00	85.33	431.24	-90.00	-4,759.06	-854.70	630.05	130.94	499.11	1.262	Collision Avoidance Req.
16,300.00	10,805.00	10,781.00	10,781.00	86.59	431.24	-90.00	-4,759.06	-854.70	690.87	195.93	494.95	1.396	Collision Avoidance Req.
16,400.00	10,805.00	10,781.00	10,781.00	87.86	431.24	-90.00	-4,759.06	-854.70	760.03	268.73	491.30	1.547	Collision Risk Procedures Req.
16,500.00	10,805.00	10,781.00	10,781.00	89.13	431.24	-90.00	-4,759.06	-854.70	835.46	347.22	488.24	1.711	Collision Risk Procedures Req.
16,600.00	10,805.00	10,781.00	10,781.00	90.41	431.24	-90.00	-4,759.06	-854.70	915.60	429.86	485.74	1.885	Collision Risk Procedures Req.
16,700.00	10,805.00	10,781.00	10,781.00	91.69	431.24	-90.00	-4,759.06	-854.70	999.34	515.61	483.73	2.066	
16,800.00	10,805.00	10,781.00	10,781.00	92.98	431.24	-90.00	-4,759.06	-854.70	1,085.82	603.71	482.11	2.252	
16,900.00	10,805.00	10,781.00	10,781.00	94.27	431.24	-90.00	-4,759.06	-854.70	1,174.46	693.64	480.82	2.443	
17,000.00	10,805.00	10,781.00	10,781.00	95.57	431.24	-90.00	-4,759.06	-854.70	1,264.79	785.01	479.78	2.636	
17,100.00	10,805.00	10,781.00	10,781.00	96.87	431.24	-90.00	-4,759.06	-854.70	1,356.48	877.54	478.94	2.832	
17,200.00	10,805.00	10,781.00	10,781.00	98.17	431.24	-90.00	-4,759.06	-854.70	1,449.27	971.00	478.27	3.030	
17,300.00	10,805.00	10,781.00	10,781.00	99.47	431.24	-90.00	-4,759.06	-854.70	1,542.96	1,065.23	477.73	3.230	
17,400.00	10,805.00	10,781.00	10,781.00	100.79	431.24	-90.00	-4,759.06	-854.70	1,637.40	1,160.11	477.29	3.431	
17,500.00	10,805.00	10,781.00	10,781.00	102.10	431.24	-90.00	-4,759.06	-854.70	1,732.46	1,255.52	476.93	3.632	
17,600.00	10,805.00	10,781.00	10,781.00	103.42	431.24	-90.00	-4,759.06	-854.70	1,828.05	1,351.40	476.65	3.835	
17,700.00	10,805.00	10,781.00	10,781.00	104.74	431.24	-90.00	-4,759.06	-854.70	1,924.08	1,447.67	476.41	4.039	
17,800.00	10,805.00	10,781.00	10,781.00	106.06	431.24	-90.00	-4,759.06	-854.70	2,020.50	1,544.28	476.23	4.243	
17,900.00	10,805.00	10,781.00	10,781.00	107.39	431.24	-90.00	-4,759.06	-854.70	2,117.26	1,641.18	476.08	4.447	
18,000.00	10,805.00	10,781.00	10,781.00	108.71	431.24	-90.00	-4,759.06	-854.70	2,214.30	1,738.33	475.96	4.652	
18,100.00	10,805.00	10,781.00	10,781.00	110.05	431.24	-90.00	-4,759.06	-854.70	2,311.59	1,835.72	475.87	4.858	
18,200.00	10,805.00	10,781.00	10,781.00	111.38	431.24	-90.00	-4,759.06	-854.70	2,409.11	1,933.30	475.81	5.063	
18,300.00	10,805.00	10,781.00	10,781.00	112.72	431.24	-90.00	-4,759.06	-854.70	2,506.82	2,031.06	475.76	5.269	
18,400.00	10,805.00	10,781.00	10,781.00	114.06	431.24	-90.00	-4,759.06	-854.70	2,604.70	2,128.98	475.72	5.475	
18,500.00	10,805.00	10,781.00	10,781.00	115.40	431.24	-90.00	-4,759.06	-854.70	2,702.74	2,227.04	475.71	5.682	
18,600.00	10,805.00	10,781.00	10,781.00	116.74	431.24	-90.00	-4,759.06	-854.70	2,800.92	2,325.22	475.70	5.888	
18,700.00	10,805.00	10,781.00	10,781.00	118.09	431.24	-90.00	-4,759.06	-854.70	2,899.23	2,423.52	475.70	6.095	
18,800.00	10,805.00	10,781.00	10,781.00	119.44	431.24	-90.00	-4,759.06	-854.70	2,997.64	2,521.93	475.72	6.301	
18,900.00	10,805.00	10,781.00	10,781.00	120.79	431.24	-90.00	-4,759.06	-854.70	3,096.16	2,620.42	475.74	6.508	
19,000.00	10,805.00	10,781.00	10,781.00	122.14	431.24	-90.00	-4,759.06	-854.70	3,194.77	2,719.00	475.76	6.715	
19,045.70	10,805.00	10,781.00	10,781.00	122.76	431.24	-90.00	-4,759.06	-854.70	3,239.86	2,764.09	475.78	6.810	

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 207H
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 207H	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 208H - 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)			
0.00	0.00	0.00	0.00	0.00	0.00	-1.03	20.12	-0.36	20.12				
100.00	100.00	100.00	100.00	0.14	0.14	-1.03	20.12	-0.36	20.12	19.85	0.28	72.904	
200.00	200.00	200.00	200.00	0.50	0.50	-1.03	20.12	-0.36	20.12	19.13	0.99	20.266	
300.00	300.00	300.00	300.00	0.85	0.85	-1.03	20.12	-0.36	20.12	18.41	1.71	11.769	
400.00	400.00	400.00	400.00	1.21	1.21	-1.03	20.12	-0.36	20.12	17.70	2.43	8.292	
500.00	500.00	500.00	500.00	1.57	1.57	-1.03	20.12	-0.36	20.12	16.98	3.14	6.401	
600.00	600.00	600.00	600.00	1.93	1.93	-1.03	20.12	-0.36	20.12	16.26	3.86	5.212	
700.00	700.00	700.00	700.00	2.29	2.29	-1.03	20.12	-0.36	20.12	15.55	4.58	4.396	
800.00	800.00	800.00	800.00	2.65	2.65	-1.03	20.12	-0.36	20.12	14.83	5.29	3.801	
900.00	900.00	900.00	900.00	3.01	3.01	-1.03	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	-1.03	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	-1.03	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	-1.03	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	-1.03	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	-1.03	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	-1.03	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	-1.03	20.12	-0.36	20.12	9.09	11.03	1.824	Collision Risk Procedures Req.
1,700.00	1,699.98	1,699.98	1,699.98	5.87	5.87	80.69	20.12	-0.36	19.77	8.03	11.74	1.684	Collision Risk Procedures Req.
1,768.33	1,768.24	1,768.24	1,768.24	6.10	6.12	90.00	20.12	-0.36	19.51	7.28	12.22	1.596	Collision Risk Procedures Req., CC
1,800.00	1,799.84	1,799.84	1,799.84	6.21	6.23	95.94	20.12	-0.36	19.61	7.17	12.45	1.576	Collision Risk Procedures Req., ES, SF
1,900.00	1,899.45	1,899.45	1,899.45	6.57	6.59	118.72	20.12	-0.36	22.27	9.12	13.15	1.693	Collision Risk Procedures Req.
2,000.00	1,998.70	1,998.70	1,998.70	6.92	6.94	139.34	20.12	-0.36	30.11	16.25	13.86	2.173	
2,100.00	2,097.47	2,097.63	2,097.63	7.29	7.30	151.76	20.86	-0.74	43.04	28.48	14.56	2.956	
2,200.00	2,195.62	2,196.33	2,196.29	7.66	7.65	157.93	23.11	-1.91	59.70	44.44	15.26	3.912	
2,300.00	2,293.06	2,294.72	2,294.59	8.05	8.00	161.00	26.85	-3.85	79.36	63.40	15.96	4.972	
2,396.94	2,386.70	2,389.76	2,389.46	8.44	8.34	162.47	31.88	-6.46	101.03	84.39	16.64	6.071	
2,400.00	2,389.64	2,392.75	2,392.44	8.45	8.35	162.51	32.07	-6.55	101.75	85.09	16.67	6.106	
2,500.00	2,485.80	2,490.04	2,489.49	8.87	8.70	163.31	38.19	-9.73	125.28	107.91	17.36	7.214	
2,600.00	2,581.95	2,587.22	2,586.42	9.31	9.05	163.86	44.33	-12.91	148.81	130.74	18.07	8.235	
2,700.00	2,678.11	2,684.41	2,683.36	9.75	9.40	164.25	50.46	-16.09	172.35	153.58	18.78	9.178	
2,800.00	2,774.27	2,781.59	2,780.30	10.20	9.75	164.56	56.60	-19.27	195.90	176.41	19.49	10.051	
2,900.00	2,870.42	2,878.77	2,877.24	10.67	10.10	164.79	62.73	-22.46	219.46	199.25	20.21	10.860	
3,000.00	2,966.58	2,975.96	2,974.17	11.13	10.45	164.98	68.87	-25.64	243.01	222.08	20.93	11.612	
3,100.00	3,062.73	3,073.14	3,071.11	11.61	10.80	165.14	75.01	-28.82	266.57	244.92	21.65	12.312	
3,200.00	3,158.89	3,170.32	3,168.05	12.08	11.15	165.27	81.14	-32.00	290.13	267.75	22.38	12.966	
3,300.00	3,255.04	3,267.50	3,264.98	12.57	11.51	165.38	87.28	-35.18	313.69	290.58	23.10	13.577	
3,400.00	3,351.20	3,364.69	3,361.92	13.06	11.86	165.48	93.42	-38.36	337.25	313.42	23.83	14.150	
3,500.00	3,447.35	3,461.87	3,458.86	13.55	12.21	165.56	99.55	-41.55	360.81	336.25	24.57	14.688	
3,600.00	3,543.51	3,559.05	3,555.79	14.04	12.57	165.63	105.69	-44.73	384.38	359.08	25.30	15.193	
3,700.00	3,639.67	3,656.24	3,652.73	14.54	12.92	165.70	111.82	-47.91	407.94	381.90	26.03	15.670	
3,800.00	3,735.82	3,753.42	3,749.67	15.04	13.27	165.76	117.96	-51.09	431.50	404.73	26.77	16.119	
3,900.00	3,831.98	3,850.60	3,846.61	15.54	13.63	165.81	124.10	-54.27	455.07	427.56	27.51	16.543	
4,000.00	3,928.13	3,947.79	3,943.54	16.05	13.98	165.85	130.23	-57.46	478.63	450.38	28.25	16.944	
4,100.00	4,024.29	4,044.97	4,040.48	16.55	14.34	165.90	136.37	-60.64	502.20	473.21	28.99	17.324	
4,200.00	4,120.44	4,142.15	4,137.42	17.06	14.69	165.94	142.50	-63.82	525.76	496.03	29.73	17.685	
4,300.00	4,216.60	4,239.34	4,234.35	17.57	15.05	165.97	148.64	-67.00	549.33	518.85	30.47	18.027	
4,400.00	4,312.75	4,336.52	4,331.29	18.09	15.40	166.00	154.78	-70.18	572.89	541.68	31.22	18.353	
4,500.00	4,408.91	4,433.70	4,428.23	18.60	15.76	166.03	160.91	-73.36	596.46	564.50	31.96	18.663	
4,600.00	4,505.07	4,530.89	4,525.17	19.11	16.11	166.06	167.05	-76.55	620.02	587.32	32.70	18.958	
4,700.00	4,601.22	4,628.07	4,622.10	19.63	16.47	166.09	173.18	-79.73	643.59	610.14	33.45	19.240	
4,800.00	4,697.38	4,725.25	4,719.04	20.15	16.83	166.11	179.32	-82.91	667.15	632.96	34.20	19.509	
4,900.00	4,793.53	4,822.44	4,815.98	20.67	17.18	166.13	185.46	-86.09	690.72	655.78	34.94	19.766	

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

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Reference Well:	Bell Lake Unit South 207H	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 208H - 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)			
5,000.00	4,889.69	4,919.62	4,912.91	21.18	17.54	166.15	191.59	-89.27	714.29	678.59	35.69	20.012	
5,100.00	4,985.84	5,016.80	5,009.85	21.70	17.90	166.17	197.73	-92.45	737.85	701.41	36.44	20.248	
5,200.00	5,082.00	5,113.99	5,106.79	22.22	18.25	166.19	203.86	-95.64	761.42	724.23	37.19	20.474	
5,300.00	5,178.15	5,211.17	5,203.73	22.75	18.61	166.21	210.00	-98.82	784.99	747.05	37.94	20.690	
5,400.00	5,274.31	5,308.35	5,300.66	23.27	18.97	166.22	216.14	-102.00	808.55	769.86	38.69	20.898	
5,500.00	5,370.46	5,405.54	5,397.60	23.79	19.32	166.24	222.27	-105.18	832.12	792.68	39.44	21.098	
5,600.00	5,466.62	5,502.72	5,494.54	24.31	19.68	166.25	228.41	-108.36	855.69	815.49	40.19	21.290	
5,700.00	5,562.78	5,599.90	5,591.47	24.84	20.04	166.27	234.54	-111.54	879.25	838.31	40.94	21.475	
5,800.00	5,658.93	5,697.09	5,688.41	25.36	20.39	166.28	240.68	-114.73	902.82	861.12	41.69	21.653	
5,900.00	5,755.09	5,794.27	5,785.35	25.89	20.75	166.29	246.82	-117.91	926.39	883.94	42.45	21.824	
6,000.00	5,851.24	5,891.45	5,882.29	26.41	21.11	166.30	252.95	-121.09	949.95	906.75	43.20	21.990	
6,100.00	5,947.40	5,988.63	5,979.22	26.94	21.46	166.31	259.09	-124.27	973.52	929.57	43.95	22.149	
6,200.00	6,043.55	6,085.82	6,076.16	27.47	21.82	166.32	265.23	-127.45	997.09	952.38	44.71	22.303	
6,300.00	6,139.71	6,183.00	6,173.10	27.99	22.18	166.33	271.36	-130.63	1,020.65	975.19	45.46	22.452	
6,400.00	6,235.86	6,280.18	6,270.03	28.52	22.54	166.34	277.50	-133.82	1,044.22	998.01	46.21	22.595	
6,500.00	6,332.02	6,377.37	6,366.97	29.05	22.89	166.35	283.63	-137.00	1,067.79	1,020.82	46.97	22.734	
6,600.00	6,428.18	6,474.55	6,463.91	29.57	23.25	166.36	289.77	-140.18	1,091.35	1,043.63	47.72	22.868	
6,700.00	6,524.33	6,571.73	6,560.85	30.10	23.61	166.37	295.91	-143.36	1,114.92	1,066.44	48.48	22.998	
6,800.00	6,620.49	6,668.92	6,657.78	30.63	23.97	166.38	302.04	-146.54	1,138.49	1,089.25	49.23	23.124	
6,896.52	6,713.30	6,762.72	6,751.35	31.14	24.31	166.38	307.96	-149.61	1,161.23	1,111.27	49.96	23.242	
6,900.00	6,716.64	6,766.10	6,754.72	31.16	24.32	166.39	308.18	-149.72	1,162.05	1,112.06	49.99	23.246	
7,000.00	6,813.29	6,863.69	6,852.06	31.67	24.68	166.48	314.34	-152.92	1,183.85	1,133.11	50.74	23.331	
7,100.00	6,910.77	6,961.96	6,950.08	32.15	25.04	166.51	320.54	-156.14	1,202.33	1,150.83	51.49	23.349	
7,200.00	7,008.97	7,060.78	7,048.66	32.59	25.41	166.49	326.78	-159.37	1,217.46	1,165.22	52.24	23.306	
7,300.00	7,107.77	7,155.11	7,142.76	33.00	25.75	166.44	332.54	-162.36	1,229.34	1,176.40	52.94	23.219	
7,400.00	7,207.05	7,245.77	7,233.28	33.38	26.08	166.39	336.93	-164.63	1,238.50	1,184.89	53.61	23.102	
7,500.00	7,306.68	7,336.60	7,324.04	33.73	26.41	166.36	340.04	-166.25	1,245.00	1,190.74	54.26	22.945	
7,600.00	7,406.55	7,427.54	7,414.96	34.04	26.74	166.35	341.88	-167.20	1,248.83	1,193.94	54.89	22.750	
7,693.46	7,500.00	7,512.58	7,500.00	34.30	27.04	89.54	342.44	-167.49	1,250.00	1,194.54	55.46	22.539	
7,700.00	7,506.54	7,519.12	7,506.54	34.32	27.06	89.54	342.44	-167.49	1,250.00	1,194.50	55.50	22.522	
7,800.00	7,606.54	7,619.12	7,606.54	34.59	27.40	89.54	342.44	-167.49	1,250.00	1,193.84	56.16	22.258	
7,900.00	7,706.54	7,719.12	7,706.54	34.87	27.75	89.54	342.44	-167.49	1,250.00	1,193.17	56.83	21.996	
8,000.00	7,806.54	7,819.12	7,806.54	35.15	28.10	89.54	342.44	-167.49	1,250.00	1,192.50	57.50	21.739	
8,100.00	7,906.54	7,919.12	7,906.54	35.43	28.45	89.54	342.44	-167.49	1,250.00	1,191.83	58.17	21.487	
8,200.00	8,006.54	8,019.12	8,006.54	35.71	28.80	89.54	342.44	-167.49	1,250.00	1,191.15	58.85	21.241	
8,300.00	8,106.54	8,119.12	8,106.54	35.99	29.16	89.54	342.44	-167.49	1,250.00	1,190.48	59.52	21.001	
8,400.00	8,206.54	8,219.12	8,206.54	36.28	29.51	89.54	342.44	-167.49	1,250.00	1,189.80	60.20	20.765	
8,500.00	8,306.54	8,319.12	8,306.54	36.56	29.86	89.54	342.44	-167.49	1,250.00	1,189.13	60.87	20.534	
8,600.00	8,406.54	8,419.12	8,406.54	36.85	30.21	89.54	342.44	-167.49	1,250.00	1,188.45	61.55	20.308	
8,700.00	8,506.54	8,519.12	8,506.54	37.13	30.57	89.54	342.44	-167.49	1,250.00	1,187.77	62.23	20.087	
8,800.00	8,606.54	8,619.12	8,606.54	37.42	30.92	89.54	342.44	-167.49	1,250.00	1,187.09	62.91	19.870	
8,900.00	8,706.54	8,719.12	8,706.54	37.71	31.27	89.54	342.44	-167.49	1,250.00	1,186.41	63.59	19.658	
9,000.00	8,806.54	8,819.12	8,806.54	38.00	31.63	89.54	342.44	-167.49	1,250.00	1,185.73	64.27	19.449	
9,100.00	8,906.54	8,919.12	8,906.54	38.30	31.98	89.54	342.44	-167.49	1,250.00	1,185.05	64.95	19.245	
9,200.00	9,006.54	9,019.12	9,006.54	38.59	32.33	89.54	342.44	-167.49	1,250.00	1,184.37	65.63	19.045	
9,300.00	9,106.54	9,119.12	9,106.54	38.88	32.69	89.54	342.44	-167.49	1,250.00	1,183.68	66.32	18.849	
9,400.00	9,206.54	9,219.12	9,206.54	39.18	33.04	89.54	342.44	-167.49	1,250.00	1,183.00	67.00	18.657	
9,500.00	9,306.54	9,319.12	9,306.54	39.48	33.40	89.54	342.44	-167.49	1,250.00	1,182.32	67.68	18.468	
9,600.00	9,406.54	9,419.12	9,406.54	39.77	33.75	89.54	342.44	-167.49	1,250.00	1,181.63	68.37	18.283	
9,700.00	9,506.54	9,519.12	9,506.54	40.07	34.10	89.54	342.44	-167.49	1,250.00	1,180.95	69.05	18.102	
9,800.00	9,606.54	9,619.12	9,606.54	40.37	34.46	89.54	342.44	-167.49	1,250.00	1,180.26	69.74	17.924	
9,900.00	9,706.54	9,719.12	9,706.54	40.67	34.81	89.54	342.44	-167.49	1,250.00	1,179.57	70.43	17.749	

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10,000.00	9,806.54	9,819.12	9,806.54	40.97	35.17	89.54	342.44	-167.49	1,250.00	1,178.89	71.11	17.577		
10,100.00	9,906.54	9,919.12	9,906.54	41.28	35.52	89.54	342.44	-167.49	1,250.00	1,178.20	71.80	17.409		
10,200.00	10,006.54	10,019.12	10,006.54	41.58	35.87	89.54	342.44	-167.49	1,250.00	1,177.51	72.49	17.244		
10,300.00	10,106.54	10,119.12	10,106.54	41.88	36.23	89.54	342.44	-167.49	1,250.00	1,176.82	73.18	17.082		
10,365.81	10,172.35	10,184.93	10,172.35	42.08	36.45	89.55	342.24	-167.49	1,250.00	1,176.38	73.62	16.980		
10,400.00	10,206.54	10,219.02	10,206.37	42.19	36.55	89.64	340.31	-167.47	1,250.00	1,176.17	73.83	16.930		
10,425.51	10,232.04	10,244.23	10,231.43	42.26	36.63	89.76	337.59	-167.45	1,250.01	1,176.02	73.99	16.895		
10,450.00	10,256.53	10,268.25	10,255.18	42.33	36.70	-89.64	333.97	-167.42	1,250.03	1,175.90	74.13	16.864		
10,500.00	10,306.33	10,316.90	10,302.70	42.47	36.84	-89.35	323.62	-167.34	1,250.08	1,175.68	74.40	16.803		
10,550.00	10,355.56	10,365.05	10,348.70	42.59	36.97	-89.07	309.44	-167.23	1,250.17	1,175.52	74.65	16.747		
10,600.00	10,403.85	10,412.72	10,392.91	42.72	37.09	-88.79	291.64	-167.09	1,250.28	1,175.40	74.88	16.696		
10,650.00	10,450.84	10,459.94	10,435.09	42.83	37.21	-88.52	270.45	-166.92	1,250.42	1,175.32	75.10	16.650		
10,700.00	10,496.16	10,506.75	10,475.04	42.93	37.31	-88.27	246.09	-166.73	1,250.58	1,175.28	75.30	16.608		
10,750.00	10,539.47	10,553.17	10,512.57	43.02	37.40	-88.02	218.79	-166.52	1,250.75	1,175.26	75.49	16.569		
10,800.00	10,580.44	10,600.00	10,548.07	43.09	37.49	-87.79	188.27	-166.28	1,250.93	1,175.27	75.66	16.533		
10,850.00	10,618.75	10,644.97	10,579.71	43.16	37.57	-87.58	156.32	-166.03	1,251.12	1,175.30	75.82	16.501		
10,900.00	10,654.13	10,690.42	10,609.03	43.21	37.64	-87.39	121.61	-165.76	1,251.31	1,175.33	75.98	16.470		
10,950.00	10,686.29	10,735.61	10,635.37	43.25	37.71	-87.21	84.90	-165.47	1,251.49	1,175.36	76.12	16.440		
11,000.00	10,715.00	10,780.58	10,658.62	43.28	37.79	-87.06	46.44	-165.16	1,251.66	1,175.39	76.27	16.411		
11,050.00	10,740.03	10,825.34	10,678.71	43.30	37.86	-86.92	6.45	-164.85	1,251.81	1,175.40	76.41	16.383		
11,100.00	10,761.19	10,869.93	10,695.55	43.32	37.94	-86.81	-34.83	-164.53	1,251.95	1,175.40	76.55	16.355		
11,150.00	10,778.33	10,914.39	10,709.10	43.32	38.02	-86.71	-77.16	-164.19	1,252.06	1,175.37	76.69	16.326		
11,200.00	10,791.31	10,958.75	10,719.30	43.32	38.10	-86.64	-120.31	-163.86	1,252.15	1,175.31	76.84	16.296		
11,250.00	10,800.03	11,003.02	10,726.13	43.33	38.18	-86.59	-164.05	-163.51	1,252.21	1,175.23	76.99	16.265		
11,300.00	10,804.43	11,050.00	10,729.66	43.33	38.26	-86.57	-210.88	-163.14	1,252.25	1,175.10	77.14	16.233		
11,302.68	10,804.55	11,050.00	10,729.66	43.33	38.26	-86.57	-210.88	-163.14	1,252.24	1,175.10	77.15	16.232		
11,325.51	10,805.00	11,069.83	10,730.00	43.33	38.30	-86.57	-230.70	-162.99	1,252.25	1,175.03	77.21	16.218		
11,400.00	10,805.00	11,144.32	10,730.00	43.35	38.45	-86.57	-305.20	-162.40	1,252.25	1,174.75	77.50	16.159		
11,500.00	10,805.00	11,244.32	10,730.00	43.41	38.70	-86.57	-405.19	-161.62	1,252.25	1,174.29	77.96	16.063		
11,600.00	10,805.00	11,344.32	10,730.00	43.50	38.99	-86.57	-505.19	-160.83	1,252.25	1,173.73	78.52	15.948		
11,700.00	10,805.00	11,444.32	10,730.00	43.63	39.34	-86.57	-605.19	-160.05	1,252.25	1,173.06	79.19	15.814		
11,800.00	10,805.00	11,544.32	10,730.00	43.81	39.74	-86.57	-705.18	-159.26	1,252.25	1,172.30	79.95	15.663		
11,900.00	10,805.00	11,644.32	10,730.00	44.05	40.18	-86.57	-805.18	-158.48	1,252.25	1,171.44	80.81	15.497		
12,000.00	10,805.00	11,744.32	10,730.00	44.35	40.67	-86.57	-905.18	-157.69	1,252.25	1,170.49	81.76	15.317		
12,100.00	10,805.00	11,844.32	10,730.00	44.71	41.20	-86.57	-1,005.17	-156.91	1,252.25	1,169.45	82.79	15.125		
12,200.00	10,805.00	11,944.32	10,730.00	45.13	41.78	-86.57	-1,105.17	-156.12	1,252.25	1,168.33	83.92	14.922		
12,300.00	10,805.00	12,044.32	10,730.00	45.61	42.40	-86.57	-1,205.17	-155.34	1,252.25	1,167.12	85.12	14.711		
12,400.00	10,805.00	12,144.32	10,730.00	46.14	43.05	-86.57	-1,305.17	-154.55	1,252.25	1,165.84	86.41	14.492		
12,500.00	10,805.00	12,244.32	10,730.00	46.73	43.75	-86.57	-1,405.16	-153.77	1,252.25	1,164.48	87.77	14.268		
12,600.00	10,805.00	12,344.32	10,730.00	47.36	44.47	-86.57	-1,505.16	-152.98	1,252.25	1,163.05	89.20	14.039		
12,700.00	10,805.00	12,444.32	10,730.00	48.04	45.24	-86.57	-1,605.16	-152.20	1,252.25	1,161.55	90.70	13.807		
12,800.00	10,805.00	12,544.32	10,730.00	48.76	46.03	-86.57	-1,705.15	-151.41	1,252.25	1,159.98	92.26	13.573		
12,900.00	10,805.00	12,644.32	10,730.00	49.51	46.86	-86.57	-1,805.15	-150.62	1,252.25	1,158.36	93.89	13.338		
13,000.00	10,805.00	12,744.32	10,730.00	50.30	47.71	-86.57	-1,905.15	-149.84	1,252.25	1,156.67	95.57	13.102		
13,100.00	10,805.00	12,844.32	10,730.00	51.12	48.59	-86.57	-2,005.14	-149.05	1,252.25	1,154.93	97.31	12.868		
13,200.00	10,805.00	12,944.32	10,730.00	51.97	49.50	-86.57	-2,105.14	-148.27	1,252.25	1,153.14	99.11	12.635		
13,300.00	10,805.00	13,044.32	10,730.00	52.85	50.44	-86.57	-2,205.14	-147.48	1,252.25	1,151.30	100.95	12.405		
13,400.00	10,805.00	13,144.32	10,730.00	53.75	51.39	-86.57	-2,305.13	-146.70	1,252.25	1,149.40	102.84	12.176		
13,500.00	10,805.00	13,244.32	10,730.00	54.68	52.37	-86.57	-2,405.13	-145.91	1,252.25	1,147.47	104.78	11.952		
13,600.00	10,805.00	13,344.32	10,730.00	55.63	53.37	-86.57	-2,505.13	-145.13	1,252.25	1,145.49	106.75	11.730		
13,700.00	10,805.00	13,444.32	10,730.00	56.60	54.39	-86.57	-2,605.13	-144.34	1,252.25	1,143.48	108.77	11.513		
13,800.00	10,805.00	13,544.32	10,730.00	57.59	55.42	-86.57	-2,705.12	-143.56	1,252.25	1,141.42	110.83	11.299		

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 207H
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 207H	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 208H - 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	
13,900.00	10,805.00	13,644.32	10,730.00	58.60	56.48	-86.57	-2,805.12	-142.77	1,252.25	1,139.33	112.92	11.090	
14,000.00	10,805.00	13,744.32	10,730.00	59.63	57.55	-86.57	-2,905.12	-141.99	1,252.25	1,137.21	115.04	10.885	
14,100.00	10,805.00	13,844.32	10,730.00	60.68	58.64	-86.57	-3,005.11	-141.20	1,252.25	1,135.05	117.20	10.685	
14,200.00	10,805.00	13,944.32	10,730.00	61.74	59.74	-86.57	-3,105.11	-140.42	1,252.25	1,132.86	119.38	10.489	
14,300.00	10,805.00	14,044.32	10,730.00	62.81	60.85	-86.57	-3,205.11	-139.63	1,252.25	1,130.65	121.60	10.298	
14,400.00	10,805.00	14,144.32	10,730.00	63.91	61.98	-86.57	-3,305.10	-138.85	1,252.25	1,128.41	123.84	10.112	
14,500.00	10,805.00	14,244.32	10,730.00	65.01	63.12	-86.57	-3,405.10	-138.06	1,252.25	1,126.14	126.11	9.930	
14,600.00	10,805.00	14,344.32	10,730.00	66.13	64.28	-86.57	-3,505.10	-137.28	1,252.25	1,123.85	128.40	9.753	
14,700.00	10,805.00	14,444.32	10,730.00	67.26	65.44	-86.57	-3,605.09	-136.49	1,252.24	1,121.53	130.71	9.580	
14,800.00	10,805.00	14,544.32	10,730.00	68.40	66.62	-86.57	-3,705.09	-135.71	1,252.24	1,119.20	133.05	9.412	
14,900.00	10,805.00	14,644.32	10,730.00	69.55	67.80	-86.57	-3,805.09	-134.92	1,252.24	1,116.84	135.41	9.248	
15,000.00	10,805.00	14,744.32	10,730.00	70.72	69.00	-86.57	-3,905.09	-134.13	1,252.24	1,114.46	137.78	9.089	
15,100.00	10,805.00	14,844.32	10,730.00	71.89	70.20	-86.57	-4,005.08	-133.35	1,252.24	1,112.07	140.18	8.933	
15,200.00	10,805.00	14,944.32	10,730.00	73.07	71.41	-86.57	-4,105.08	-132.56	1,252.24	1,109.65	142.59	8.782	
15,300.00	10,805.00	15,044.32	10,730.00	74.26	72.64	-86.57	-4,205.08	-131.78	1,252.24	1,107.23	145.02	8.635	
15,400.00	10,805.00	15,144.32	10,730.00	75.47	73.86	-86.57	-4,305.07	-130.99	1,252.24	1,104.78	147.46	8.492	
15,500.00	10,805.00	15,244.32	10,730.00	76.67	75.10	-86.57	-4,405.07	-130.21	1,252.24	1,102.32	149.92	8.352	
15,600.00	10,805.00	15,344.32	10,730.00	77.89	76.34	-86.57	-4,505.07	-129.42	1,252.24	1,099.84	152.40	8.217	
15,700.00	10,805.00	15,444.32	10,730.00	79.11	77.59	-86.57	-4,605.06	-128.64	1,252.24	1,097.36	154.89	8.085	
15,800.00	10,805.00	15,544.32	10,730.00	80.34	78.85	-86.57	-4,705.06	-127.85	1,252.24	1,094.85	157.39	7.956	
15,900.00	10,805.00	15,644.32	10,730.00	81.58	80.11	-86.57	-4,805.06	-127.07	1,252.24	1,092.34	159.90	7.831	
16,000.00	10,805.00	15,744.32	10,730.00	82.83	81.38	-86.57	-4,905.05	-126.28	1,252.24	1,089.81	162.43	7.709	
16,100.00	10,805.00	15,844.32	10,730.00	84.08	82.65	-86.57	-5,005.05	-125.50	1,252.24	1,087.28	164.97	7.591	
16,200.00	10,805.00	15,944.32	10,730.00	85.33	83.93	-86.57	-5,105.05	-124.71	1,252.24	1,084.73	167.52	7.475	
16,300.00	10,805.00	16,044.32	10,730.00	86.59	85.22	-86.57	-5,205.05	-123.93	1,252.24	1,082.17	170.07	7.363	
16,400.00	10,805.00	16,144.32	10,730.00	87.86	86.51	-86.57	-5,305.04	-123.14	1,252.24	1,079.60	172.64	7.253	
16,500.00	10,805.00	16,244.32	10,730.00	89.13	87.80	-86.57	-5,405.04	-122.36	1,252.24	1,077.02	175.22	7.147	
16,600.00	10,805.00	16,344.32	10,730.00	90.41	89.10	-86.57	-5,505.04	-121.57	1,252.24	1,074.44	177.81	7.043	
16,700.00	10,805.00	16,444.32	10,730.00	91.69	90.40	-86.57	-5,605.03	-120.79	1,252.24	1,071.84	180.40	6.941	
16,800.00	10,805.00	16,544.32	10,730.00	92.98	91.71	-86.57	-5,705.03	-120.00	1,252.24	1,069.24	183.00	6.843	
16,900.00	10,805.00	16,644.32	10,730.00	94.27	93.02	-86.57	-5,805.03	-119.21	1,252.24	1,066.63	185.62	6.746	
17,000.00	10,805.00	16,744.32	10,730.00	95.57	94.33	-86.57	-5,905.02	-118.43	1,252.24	1,064.01	188.24	6.653	
17,100.00	10,805.00	16,844.32	10,730.00	96.87	95.65	-86.57	-6,005.02	-117.64	1,252.24	1,061.38	190.86	6.561	
17,200.00	10,805.00	16,944.32	10,730.00	98.17	96.97	-86.57	-6,105.02	-116.86	1,252.24	1,058.75	193.50	6.472	
17,300.00	10,805.00	17,044.32	10,730.00	99.47	98.29	-86.57	-6,205.01	-116.07	1,252.24	1,056.11	196.14	6.385	
17,400.00	10,805.00	17,144.32	10,730.00	100.79	99.62	-86.57	-6,305.01	-115.29	1,252.24	1,053.46	198.78	6.300	
17,500.00	10,805.00	17,244.32	10,730.00	102.10	100.95	-86.57	-6,405.01	-114.50	1,252.24	1,050.81	201.43	6.217	
17,600.00	10,805.00	17,344.32	10,730.00	103.42	102.29	-86.57	-6,505.01	-113.72	1,252.24	1,048.15	204.09	6.136	
17,700.00	10,805.00	17,444.32	10,730.00	104.74	103.62	-86.57	-6,605.00	-112.93	1,252.24	1,045.48	206.76	6.057	
17,800.00	10,805.00	17,544.32	10,730.00	106.06	104.96	-86.57	-6,705.00	-112.15	1,252.24	1,042.81	209.43	5.979	
17,900.00	10,805.00	17,644.32	10,730.00	107.39	106.30	-86.57	-6,805.00	-111.36	1,252.24	1,040.14	212.10	5.904	
18,000.00	10,805.00	17,744.32	10,730.00	108.71	107.65	-86.57	-6,904.99	-110.58	1,252.24	1,037.46	214.78	5.830	
18,100.00	10,805.00	17,844.32	10,730.00	110.05	108.99	-86.57	-7,004.99	-109.79	1,252.24	1,034.77	217.47	5.758	
18,200.00	10,805.00	17,944.32	10,730.00	111.38	110.34	-86.57	-7,104.99	-109.01	1,252.24	1,032.08	220.16	5.688	
18,300.00	10,805.00	18,044.32	10,730.00	112.72	111.69	-86.57	-7,204.98	-108.22	1,252.24	1,029.39	222.85	5.619	
18,400.00	10,805.00	18,144.32	10,730.00	114.06	113.04	-86.57	-7,304.98	-107.44	1,252.24	1,026.69	225.55	5.552	
18,500.00	10,805.00	18,244.32	10,730.00	115.40	114.40	-86.57	-7,404.98	-106.65	1,252.24	1,023.99	228.25	5.486	
18,600.00	10,805.00	18,344.32	10,730.00	116.74	115.76	-86.57	-7,504.97	-105.87	1,252.24	1,021.28	230.96	5.422	
18,700.00	10,805.00	18,444.32	10,730.00	118.09	117.11	-86.57	-7,604.97	-105.08	1,252.24	1,018.57	233.67	5.359	
18,800.00	10,805.00	18,544.32	10,730.00	119.44	118.48	-86.57	-7,704.97	-104.30	1,252.24	1,015.85	236.39	5.297	
18,900.00	10,805.00	18,644.32	10,730.00	120.79	119.84	-86.57	-7,804.97	-103.51	1,252.24	1,013.14	239.10	5.237	
19,000.00	10,805.00	18,744.32	10,730.00	122.14	121.11	-86.57	-7,904.96	-102.72	1,252.24	1,010.50	241.74	5.180	

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 207H
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 207H	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 208H - 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		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	
19,044.05	10,805.00	18,788.37	10,730.00	122.73	121.62	-86.57	-7,949.01	-102.38	1,252.24	1,009.40	242.85	5.157	
19,045.70	10,805.00	18,789.48	10,730.00	122.76	121.64	-86.57	-7,950.12	-102.37	1,252.24	1,009.37	242.87	5.156	

Altitude Energy Partners

Anticollision Report



Company:	Kaiser-Francis Oil Company	Local Co-ordinate Reference:	Well Bell Lake Unit South 207H
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 207H	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
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
0.00	0.00	0.00	0.00	0.00	0.00	-0.14	40.12	-0.10	40.12				
100.00	100.00	100.00	100.00	0.14	0.14	-0.14	40.12	-0.10	40.12	39.84	0.28	145.350	
200.00	200.00	200.00	200.00	0.50	0.50	-0.14	40.12	-0.10	40.12	39.13	0.99	40.404	
300.00	300.00	300.00	300.00	0.85	0.85	-0.14	40.12	-0.10	40.12	38.41	1.71	23.463	
400.00	400.00	400.00	400.00	1.21	1.21	-0.14	40.12	-0.10	40.12	37.69	2.43	16.532	
500.00	500.00	500.00	500.00	1.57	1.57	-0.14	40.12	-0.10	40.12	36.98	3.14	12.762	
600.00	600.00	600.00	600.00	1.93	1.93	-0.14	40.12	-0.10	40.12	36.26	3.86	10.392	
700.00	700.00	700.00	700.00	2.29	2.29	-0.14	40.12	-0.10	40.12	35.54	4.58	8.764	
800.00	800.00	800.00	800.00	2.65	2.65	-0.14	40.12	-0.10	40.12	34.83	5.29	7.578	
900.00	900.00	900.00	900.00	3.01	3.01	-0.14	40.12	-0.10	40.12	34.11	6.01	6.674	
1,000.00	1,000.00	1,000.00	1,000.00	3.36	3.36	-0.14	40.12	-0.10	40.12	33.39	6.73	5.963	
1,100.00	1,100.00	1,100.00	1,100.00	3.72	3.72	-0.14	40.12	-0.10	40.12	32.67	7.45	5.389	
1,200.00	1,200.00	1,200.00	1,200.00	4.08	4.08	-0.14	40.12	-0.10	40.12	31.96	8.16	4.915	
1,300.00	1,300.00	1,300.00	1,300.00	4.44	4.44	-0.14	40.12	-0.10	40.12	31.24	8.88	4.518	
1,400.00	1,400.00	1,400.00	1,400.00	4.80	4.80	-0.14	40.12	-0.10	40.12	30.52	9.60	4.181	
1,500.00	1,500.00	1,500.00	1,500.00	5.16	5.16	-0.14	40.12	-0.10	40.12	29.81	10.31	3.890	
1,600.00	1,600.00	1,600.00	1,600.00	5.52	5.52	-0.14	40.12	-0.10	40.12	29.09	11.03	3.637 CC	
1,700.00	1,699.98	1,699.46	1,699.44	5.87	5.87	76.79	40.79	-1.69	40.39	28.66	11.73	3.443 ES	
1,800.00	1,799.84	1,798.91	1,798.75	6.21	6.21	77.18	42.78	-6.47	41.21	28.78	12.43	3.316	
1,900.00	1,899.45	1,898.36	1,897.82	6.57	6.57	77.80	46.11	-14.42	42.57	29.44	13.12	3.243	
2,000.00	1,998.70	1,997.79	1,996.51	6.92	6.92	78.59	50.76	-25.54	44.48	30.65	13.83	3.216	
2,100.00	2,097.47	2,097.73	2,095.48	7.29	7.28	81.47	56.12	-38.36	46.40	31.84	14.56	3.187	
2,200.00	2,195.62	2,197.55	2,194.33	7.66	7.65	88.24	61.48	-51.16	48.20	32.90	15.31	3.149 SF	
2,300.00	2,293.06	2,297.12	2,292.94	8.05	8.02	98.28	66.82	-63.93	51.02	34.96	16.06	3.177	
2,396.94	2,386.70	2,393.30	2,388.18	8.44	8.38	109.94	71.98	-76.27	56.16	39.37	16.79	3.346	
2,400.00	2,389.64	2,396.32	2,391.17	8.45	8.39	110.32	72.14	-76.66	56.37	39.56	16.81	3.354	
2,500.00	2,485.80	2,495.31	2,489.20	8.87	8.76	121.26	77.45	-89.35	64.63	47.09	17.54	3.686	
2,600.00	2,581.95	2,594.30	2,587.23	9.31	9.14	129.53	82.76	-102.05	74.69	56.44	18.25	4.092	
2,700.00	2,678.11	2,693.28	2,685.25	9.75	9.52	135.75	88.07	-114.75	85.92	66.96	18.97	4.530	
2,800.00	2,774.27	2,792.27	2,783.28	10.20	9.90	140.50	93.38	-127.44	97.93	78.24	19.69	4.974	
2,900.00	2,870.42	2,891.26	2,881.30	10.67	10.28	144.20	98.69	-140.14	110.46	90.05	20.41	5.412	
3,000.00	2,966.58	2,990.25	2,979.33	11.13	10.66	147.14	104.00	-152.84	123.35	102.21	21.14	5.835	
3,100.00	3,062.73	3,089.23	3,077.35	11.61	11.04	149.52	109.31	-165.54	136.50	114.63	21.87	6.241	
3,200.00	3,158.89	3,188.22	3,175.38	12.08	11.43	151.48	114.62	-178.23	149.84	127.23	22.60	6.629	
3,300.00	3,255.04	3,287.21	3,273.41	12.57	11.82	153.12	119.94	-190.93	163.32	139.98	23.34	6.997	
3,400.00	3,351.20	3,386.19	3,371.43	13.06	12.20	154.50	125.25	-203.63	176.92	152.84	24.08	7.346	
3,500.00	3,447.35	3,485.18	3,469.46	13.55	12.59	155.69	130.56	-216.32	190.60	165.77	24.83	7.677	
3,600.00	3,543.51	3,584.17	3,567.48	14.04	12.98	156.72	135.87	-229.02	204.36	178.78	25.57	7.991	
3,700.00	3,639.67	3,683.16	3,665.51	14.54	13.37	157.62	141.18	-241.72	218.16	191.84	26.32	8.288	
3,800.00	3,735.82	3,782.14	3,763.54	15.04	13.76	158.42	146.49	-254.41	232.02	204.95	27.07	8.571	
3,900.00	3,831.98	3,881.13	3,861.56	15.54	14.15	159.12	151.80	-267.11	245.92	218.09	27.82	8.839	
4,000.00	3,928.13	3,980.12	3,959.59	16.05	14.54	159.75	157.11	-279.81	259.84	231.27	28.58	9.093	
4,100.00	4,024.29	4,079.11	4,057.61	16.55	14.94	160.31	162.42	-292.51	273.80	244.47	29.33	9.335	
4,200.00	4,120.44	4,178.09	4,155.64	17.06	15.33	160.82	167.73	-305.20	287.78	257.69	30.09	9.565	
4,300.00	4,216.60	4,277.08	4,253.67	17.57	15.72	161.28	173.04	-317.90	301.77	270.93	30.84	9.784	
4,400.00	4,312.75	4,376.07	4,351.69	18.09	16.11	161.70	178.35	-330.60	315.79	284.19	31.60	9.993	
4,500.00	4,408.91	4,475.06	4,449.72	18.60	16.51	162.09	183.66	-343.29	329.82	297.46	32.36	10.192	
4,600.00	4,505.07	4,574.04	4,547.74	19.11	16.90	162.44	188.97	-355.99	343.87	310.75	33.12	10.382	
4,700.00	4,601.22	4,673.03	4,645.77	19.63	17.30	162.77	194.28	-368.69	357.92	324.04	33.88	10.564	
4,800.00	4,697.38	4,772.02	4,743.80	20.15	17.69	163.07	199.59	-381.38	371.99	337.35	34.64	10.738	
4,900.00	4,793.53	4,871.00	4,841.82	20.67	18.09	163.35	204.90	-394.08	386.07	350.66	35.40	10.904	
5,000.00	4,889.69	4,969.99	4,939.85	21.18	18.48	163.61	210.22	-406.78	400.15	363.99	36.17	11.064	

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 207H
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 207H	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		
5,100.00	4,985.84	5,068.98	5,037.87	21.70	18.88	163.85	215.53	-419.48	414.25	377.31	36.93	11.217			
5,200.00	5,082.00	5,167.97	5,135.90	22.22	19.27	164.08	220.84	-432.17	428.35	390.65	37.70	11.363			
5,300.00	5,178.15	5,266.95	5,233.92	22.75	19.67	164.29	226.15	-444.87	442.45	403.99	38.46	11.504			
5,400.00	5,274.31	5,365.94	5,331.95	23.27	20.07	164.49	231.46	-457.57	456.56	417.34	39.23	11.639			
5,500.00	5,370.46	5,464.93	5,429.98	23.79	20.46	164.68	236.77	-470.26	470.68	430.69	39.99	11.769			
5,600.00	5,466.62	5,563.92	5,528.00	24.31	20.86	164.85	242.08	-482.96	484.80	444.04	40.76	11.894			
5,700.00	5,562.78	5,662.90	5,626.03	24.84	21.26	165.02	247.39	-495.66	498.92	457.40	41.53	12.015			
5,800.00	5,658.93	5,761.89	5,724.05	25.36	21.65	165.18	252.70	-508.36	513.05	470.76	42.29	12.131			
5,900.00	5,755.09	5,860.88	5,822.08	25.89	22.05	165.32	258.01	-521.05	527.18	484.12	43.06	12.243			
6,000.00	5,851.24	5,959.87	5,920.11	26.41	22.45	165.46	263.32	-533.75	541.32	497.49	43.83	12.351			
6,100.00	5,947.40	6,058.85	6,018.13	26.94	22.85	165.60	268.63	-546.45	555.46	510.86	44.60	12.455			
6,200.00	6,043.55	6,157.84	6,116.16	27.47	23.24	165.72	273.94	-559.14	569.60	524.24	45.37	12.556			
6,300.00	6,139.71	6,256.83	6,214.18	27.99	23.64	165.85	279.25	-571.84	583.74	537.61	46.13	12.653			
6,400.00	6,235.86	6,355.82	6,312.21	28.52	24.04	165.96	284.56	-584.54	597.89	550.99	46.90	12.747			
6,500.00	6,332.02	6,454.80	6,410.24	29.05	24.44	166.07	289.87	-597.23	612.04	564.37	47.67	12.838			
6,600.00	6,428.18	6,553.79	6,508.26	29.57	24.84	166.18	295.18	-609.93	626.19	577.75	48.44	12.926			
6,700.00	6,524.33	6,652.78	6,606.29	30.10	25.23	166.28	300.49	-622.63	640.34	591.13	49.21	13.012			
6,800.00	6,620.49	6,751.76	6,704.31	30.63	25.63	166.37	305.81	-635.33	654.50	604.52	49.98	13.094			
6,896.52	6,713.30	6,847.31	6,798.93	31.14	26.02	166.46	310.93	-647.58	668.16	617.44	50.73	13.172			
6,900.00	6,716.64	6,850.75	6,802.34	31.16	26.03	166.47	311.12	-648.02	668.65	617.90	50.75	13.174			
7,000.00	6,813.29	6,949.98	6,900.60	31.67	26.43	166.57	316.44	-660.75	681.01	629.49	51.52	13.217			
7,100.00	6,910.77	7,049.57	6,999.23	32.15	26.83	166.60	321.78	-673.52	689.99	637.70	52.29	13.196			
7,200.00	7,008.97	7,149.40	7,098.09	32.59	27.23	166.54	327.14	-686.33	695.59	642.54	53.05	13.112			
7,300.00	7,107.77	7,231.70	7,179.72	33.00	27.56	166.47	331.14	-695.90	699.02	645.32	53.70	13.018			
7,400.00	7,207.05	7,313.29	7,260.93	33.38	27.87	166.41	334.21	-703.25	701.67	647.38	54.29	12.924			
7,500.00	7,306.68	7,400.00	7,347.43	33.73	28.19	166.37	336.50	-708.72	703.58	648.69	54.89	12.818			
7,600.00	7,406.55	7,476.42	7,423.79	34.04	28.45	166.35	337.68	-711.53	704.67	649.33	55.34	12.733			
7,693.46	7,500.00	7,552.64	7,500.00	34.30	28.71	89.54	338.07	-712.47	705.01	649.25	55.75	12.645			
7,700.00	7,506.54	7,559.18	7,506.54	34.32	28.73	89.54	338.07	-712.47	705.01	649.21	55.80	12.635			
7,800.00	7,606.54	7,659.18	7,606.54	34.59	29.05	89.54	338.07	-712.47	705.01	648.56	56.45	12.489			
7,900.00	7,706.54	7,759.18	7,706.54	34.87	29.38	89.54	338.07	-712.47	705.01	647.90	57.11	12.345			
8,000.00	7,806.54	7,859.18	7,806.54	35.15	29.71	89.54	338.07	-712.47	705.01	647.24	57.77	12.204			
8,100.00	7,906.54	7,959.18	7,906.54	35.43	30.04	89.54	338.07	-712.47	705.01	646.58	58.43	12.066			
8,200.00	8,006.54	8,059.18	8,006.54	35.71	30.37	89.54	338.07	-712.47	705.01	645.91	59.09	11.930			
8,300.00	8,106.54	8,159.18	8,106.54	35.99	30.70	89.54	338.07	-712.47	705.01	645.25	59.76	11.798			
8,400.00	8,206.54	8,259.18	8,206.54	36.28	31.03	89.54	338.07	-712.47	705.01	644.58	60.42	11.668			
8,500.00	8,306.54	8,359.18	8,306.54	36.56	31.36	89.54	338.07	-712.47	705.01	643.92	61.09	11.541			
8,600.00	8,406.54	8,459.18	8,406.54	36.85	31.69	89.54	338.07	-712.47	705.01	643.25	61.76	11.416			
8,700.00	8,506.54	8,559.18	8,506.54	37.13	32.03	89.54	338.07	-712.47	705.01	642.58	62.42	11.294			
8,800.00	8,606.54	8,659.18	8,606.54	37.42	32.36	89.54	338.07	-712.47	705.01	641.91	63.09	11.174			
8,900.00	8,706.54	8,759.18	8,706.54	37.71	32.69	89.54	338.07	-712.47	705.01	641.24	63.76	11.056			
9,000.00	8,806.54	8,859.18	8,806.54	38.00	33.03	89.54	338.07	-712.47	705.01	640.57	64.44	10.941			
9,100.00	8,906.54	8,959.18	8,906.54	38.30	33.36	89.54	338.07	-712.47	705.01	639.90	65.11	10.828			
9,200.00	9,006.54	9,059.18	9,006.54	38.59	33.70	89.54	338.07	-712.47	705.01	639.22	65.78	10.717			
9,300.00	9,106.54	9,159.18	9,106.54	38.88	34.04	89.54	338.07	-712.47	705.01	638.55	66.46	10.609			
9,400.00	9,206.54	9,259.18	9,206.54	39.18	34.37	89.54	338.07	-712.47	705.01	637.87	67.13	10.502			
9,500.00	9,306.54	9,359.18	9,306.54	39.48	34.71	89.54	338.07	-712.47	705.01	637.20	67.81	10.397			
9,600.00	9,406.54	9,459.18	9,406.54	39.77	35.05	89.54	338.07	-712.47	705.01	636.52	68.48	10.294			
9,700.00	9,506.54	9,559.18	9,506.54	40.07	35.38	89.54	338.07	-712.47	705.01	635.84	69.16	10.194			
9,800.00	9,606.54	9,659.18	9,606.54	40.37	35.72	89.54	338.07	-712.47	705.01	635.17	69.84	10.095			
9,900.00	9,706.54	9,759.18	9,706.54	40.67	36.06	89.54	338.07	-712.47	705.01	634.49	70.52	9.997			
10,000.00	9,806.54	9,859.18	9,806.54	40.97	36.40	89.54	338.07	-712.47	705.01	633.81	71.20	9.902			

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 207H
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 207H	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	Separation Factor	Warning
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset		+N/-S	+E/-W	Between Centres	Between Ellipses			
(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
10,100.00	9,906.54	9,959.18	9,906.54	41.28	36.74	89.54	338.07	-712.47	705.01	633.13	71.88	9.808	
10,200.00	10,006.54	10,059.18	10,006.54	41.58	37.08	89.54	338.07	-712.47	705.01	632.44	72.56	9.716	
10,300.00	10,106.54	10,159.18	10,106.54	41.88	37.42	89.54	338.07	-712.47	705.01	631.76	73.24	9.625	
10,400.00	10,206.54	10,259.18	10,206.54	42.19	37.76	89.54	338.07	-712.47	705.01	631.08	73.93	9.537	
10,425.51	10,232.04	10,284.69	10,232.04	42.26	37.85	89.54	338.07	-712.47	705.01	630.91	74.10	9.515	
10,426.33	10,232.87	10,285.51	10,232.87	42.27	37.85	-90.01	338.07	-712.47	705.01	630.90	74.10	9.514	
10,450.00	10,256.53	10,309.17	10,256.53	42.33	37.93	-90.05	338.07	-712.47	705.01	630.74	74.26	9.494	
10,500.00	10,306.33	10,358.97	10,306.33	42.47	38.10	-90.40	338.07	-712.47	705.02	630.42	74.60	9.450	
10,550.00	10,355.56	10,408.20	10,355.56	42.59	38.27	-91.08	338.07	-712.47	705.14	630.18	74.96	9.407	
10,600.00	10,403.85	10,456.50	10,403.85	42.72	38.43	-92.05	338.07	-712.47	705.50	630.19	75.32	9.367	
10,650.00	10,450.84	10,503.48	10,450.84	42.83	38.59	-93.27	338.07	-712.47	706.35	630.66	75.69	9.333	
10,700.00	10,496.16	10,548.80	10,496.16	42.93	38.75	-94.65	338.07	-712.47	707.96	631.90	76.07	9.307	
10,750.00	10,539.47	10,592.11	10,539.47	43.02	38.90	-96.12	338.07	-712.47	710.67	634.22	76.45	9.295	
10,800.00	10,580.44	10,633.08	10,580.44	43.09	39.04	-97.58	338.07	-712.47	714.85	637.99	76.85	9.302	
10,850.00	10,618.75	10,671.40	10,618.75	43.16	39.17	-98.94	338.07	-712.47	720.85	643.59	77.26	9.330	
10,900.00	10,654.13	10,706.77	10,654.13	43.21	39.29	-100.10	338.07	-712.47	729.03	651.36	77.67	9.387	
10,950.00	10,686.29	10,738.94	10,686.29	43.25	39.40	-100.95	338.07	-712.47	739.70	661.62	78.08	9.474	
11,000.00	10,715.00	10,767.64	10,715.00	43.28	39.50	-101.42	338.07	-712.47	753.09	674.62	78.48	9.597	
11,050.00	10,740.03	10,792.67	10,740.03	43.30	39.58	-101.43	338.07	-712.47	769.37	690.52	78.86	9.757	
11,100.00	10,761.19	10,813.84	10,761.19	43.32	39.65	-100.88	338.07	-712.47	788.60	709.38	79.21	9.955	
11,150.00	10,778.33	10,830.97	10,778.33	43.32	39.71	-99.72	338.07	-712.47	810.72	731.19	79.54	10.193	
11,200.00	10,791.31	10,843.95	10,791.31	43.32	39.76	-97.87	338.07	-712.47	835.61	755.79	79.82	10.469	
11,250.00	10,800.03	10,852.68	10,800.03	43.33	39.79	-95.30	338.07	-712.47	863.03	782.97	80.06	10.780	
11,300.00	10,804.43	10,857.08	10,804.43	43.33	39.80	-91.98	338.07	-712.47	892.68	812.42	80.25	11.123	
11,325.51	10,805.00	10,857.64	10,805.00	43.33	39.80	-90.00	338.07	-712.47	908.54	828.21	80.33	11.310	
11,400.00	10,805.00	11,894.30	11,440.00	43.35	41.47	-132.01	-309.48	-707.38	948.82	876.82	72.00	13.178	
11,500.00	10,805.00	11,994.30	11,440.00	43.41	41.67	-132.01	-409.48	-706.60	948.82	876.23	72.59	13.071	
11,600.00	10,805.00	12,094.30	11,440.00	43.50	41.94	-132.01	-509.47	-705.81	948.82	875.57	73.24	12.954	
11,700.00	10,805.00	12,194.30	11,440.00	43.63	42.27	-132.01	-609.47	-705.03	948.82	874.84	73.97	12.827	
11,800.00	10,805.00	12,294.30	11,440.00	43.81	42.65	-132.01	-709.47	-704.25	948.82	874.05	74.77	12.690	
11,900.00	10,805.00	12,394.30	11,440.00	44.05	43.08	-132.01	-809.46	-703.46	948.81	873.18	75.63	12.545	
12,000.00	10,805.00	12,494.30	11,440.00	44.35	43.54	-132.01	-909.46	-702.68	948.81	872.25	76.56	12.393	
12,100.00	10,805.00	12,594.30	11,440.00	44.71	44.05	-132.01	-1,009.46	-701.89	948.81	871.26	77.55	12.235	
12,200.00	10,805.00	12,694.30	11,440.00	45.13	44.60	-132.01	-1,109.45	-701.11	948.81	870.21	78.60	12.072	
12,300.00	10,805.00	12,794.30	11,440.00	45.61	45.19	-132.01	-1,209.45	-700.32	948.81	869.11	79.70	11.904	
12,400.00	10,805.00	12,894.30	11,440.00	46.14	45.82	-132.01	-1,309.45	-699.54	948.81	867.95	80.87	11.733	
12,500.00	10,805.00	12,994.30	11,440.00	46.73	46.48	-132.01	-1,409.45	-698.75	948.81	866.73	82.08	11.560	
12,600.00	10,805.00	13,094.30	11,440.00	47.36	47.17	-132.01	-1,509.44	-697.97	948.81	865.47	83.34	11.384	
12,700.00	10,805.00	13,194.30	11,440.00	48.04	47.90	-132.01	-1,609.44	-697.18	948.81	864.16	84.66	11.208	
12,800.00	10,805.00	13,294.30	11,440.00	48.76	48.66	-132.01	-1,709.44	-696.40	948.81	862.80	86.01	11.031	
12,900.00	10,805.00	13,394.30	11,440.00	49.51	49.45	-132.01	-1,809.43	-695.61	948.81	861.39	87.42	10.854	
13,000.00	10,805.00	13,494.30	11,440.00	50.30	50.27	-132.01	-1,909.43	-694.83	948.81	859.95	88.86	10.678	
13,100.00	10,805.00	13,594.30	11,440.00	51.12	51.11	-132.01	-2,009.43	-694.04	948.81	858.47	90.34	10.502	
13,200.00	10,805.00	13,694.30	11,440.00	51.97	51.98	-132.01	-2,109.42	-693.26	948.81	856.95	91.86	10.329	
13,300.00	10,805.00	13,794.30	11,440.00	52.85	52.88	-132.01	-2,209.42	-692.47	948.81	855.39	93.42	10.157	
13,400.00	10,805.00	13,894.30	11,440.00	53.75	53.80	-132.01	-2,309.42	-691.69	948.81	853.80	95.01	9.986	
13,500.00	10,805.00	13,994.30	11,440.00	54.68	54.74	-132.01	-2,409.41	-690.90	948.81	852.18	96.63	9.819	
13,600.00	10,805.00	14,094.30	11,440.00	55.63	55.70	-132.01	-2,509.41	-690.12	948.81	850.52	98.29	9.653	
13,700.00	10,805.00	14,194.30	11,440.00	56.60	56.68	-132.01	-2,609.41	-689.33	948.81	848.84	99.97	9.491	
13,800.00	10,805.00	14,294.30	11,440.00	57.59	57.68	-132.01	-2,709.41	-688.55	948.81	847.13	101.68	9.331	
13,900.00	10,805.00	14,394.30	11,440.00	58.60	58.70	-132.01	-2,809.40	-687.77	948.81	845.39	103.42	9.174	
14,000.00	10,805.00	14,494.30	11,440.00	59.63	59.73	-132.01	-2,909.40	-686.98	948.81	843.62	105.18	9.021	

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 207H
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 207H	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	Separation Factor	Warning
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset		+N/-S	+E/-W	Between Centres	Between Ellipses			
(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
14,100.00	10,805.00	14,594.30	11,440.00	60.68	60.79	-132.01	-3,009.40	-686.20	948.81	841.84	106.97	8.870	
14,200.00	10,805.00	14,694.30	11,440.00	61.74	61.85	-132.01	-3,109.39	-685.41	948.80	840.03	108.78	8.722	
14,300.00	10,805.00	14,794.30	11,440.00	62.81	62.94	-132.01	-3,209.39	-684.63	948.80	838.20	110.61	8.578	
14,400.00	10,805.00	14,894.30	11,440.00	63.91	64.03	-132.01	-3,309.39	-683.84	948.80	836.34	112.46	8.437	
14,500.00	10,805.00	14,994.30	11,440.00	65.01	65.14	-132.01	-3,409.38	-683.06	948.80	834.47	114.33	8.299	
14,600.00	10,805.00	15,094.30	11,440.00	66.13	66.26	-132.01	-3,509.38	-682.27	948.80	832.58	116.22	8.164	
14,700.00	10,805.00	15,194.30	11,440.00	67.26	67.40	-132.01	-3,609.38	-681.49	948.80	830.68	118.13	8.032	
14,800.00	10,805.00	15,294.30	11,440.00	68.40	68.54	-132.01	-3,709.37	-680.70	948.80	828.75	120.05	7.903	
14,900.00	10,805.00	15,394.30	11,440.00	69.55	69.70	-132.01	-3,809.37	-679.92	948.80	826.81	121.99	7.778	
15,000.00	10,805.00	15,494.30	11,440.00	70.72	70.86	-132.01	-3,909.37	-679.13	948.80	824.85	123.95	7.655	
15,100.00	10,805.00	15,594.30	11,440.00	71.89	72.04	-132.01	-4,009.37	-678.35	948.80	822.88	125.92	7.535	
15,200.00	10,805.00	15,694.30	11,440.00	73.07	73.23	-132.01	-4,109.36	-677.56	948.80	820.90	127.90	7.418	
15,300.00	10,805.00	15,794.30	11,440.00	74.26	74.42	-132.01	-4,209.36	-676.78	948.80	818.90	129.90	7.304	
15,400.00	10,805.00	15,894.30	11,440.00	75.47	75.62	-132.01	-4,309.36	-675.99	948.80	816.89	131.91	7.193	
15,500.00	10,805.00	15,994.30	11,440.00	76.67	76.83	-132.01	-4,409.35	-675.21	948.80	814.87	133.93	7.084	
15,600.00	10,805.00	16,094.30	11,440.00	77.89	78.05	-132.01	-4,509.35	-674.42	948.80	812.83	135.97	6.978	
15,700.00	10,805.00	16,194.30	11,440.00	79.11	79.28	-132.01	-4,609.35	-673.64	948.80	810.79	138.01	6.875	
15,800.00	10,805.00	16,294.30	11,440.00	80.34	80.51	-132.01	-4,709.34	-672.85	948.80	808.73	140.07	6.774	
15,900.00	10,805.00	16,394.30	11,440.00	81.58	81.75	-132.01	-4,809.34	-672.07	948.80	806.67	142.13	6.675	
16,000.00	10,805.00	16,494.30	11,440.00	82.83	82.99	-132.01	-4,909.34	-671.28	948.80	804.59	144.21	6.579	
16,100.00	10,805.00	16,594.30	11,440.00	84.08	84.25	-132.01	-5,009.33	-670.50	948.80	802.50	146.29	6.486	
16,200.00	10,805.00	16,694.30	11,440.00	85.33	85.50	-132.01	-5,109.33	-669.72	948.80	800.41	148.39	6.394	
16,300.00	10,805.00	16,794.30	11,440.00	86.59	86.77	-132.01	-5,209.33	-668.93	948.80	798.31	150.49	6.305	
16,400.00	10,805.00	16,894.30	11,440.00	87.86	88.04	-132.01	-5,309.33	-668.15	948.80	796.20	152.60	6.218	
16,500.00	10,805.00	16,994.30	11,440.00	89.13	89.31	-132.01	-5,409.32	-667.36	948.80	794.08	154.72	6.132	
16,600.00	10,805.00	17,094.30	11,440.00	90.41	90.59	-132.01	-5,509.32	-666.58	948.79	791.95	156.84	6.049	
16,700.00	10,805.00	17,194.30	11,440.00	91.69	91.87	-132.01	-5,609.32	-665.79	948.79	789.82	158.97	5.968	
16,800.00	10,805.00	17,294.30	11,440.00	92.98	93.16	-132.01	-5,709.31	-665.01	948.79	787.68	161.11	5.889	
16,900.00	10,805.00	17,394.30	11,440.00	94.27	94.45	-132.01	-5,809.31	-664.22	948.79	785.53	163.26	5.812	
17,000.00	10,805.00	17,494.30	11,440.00	95.57	95.75	-132.01	-5,909.31	-663.44	948.79	783.38	165.41	5.736	
17,100.00	10,805.00	17,594.30	11,440.00	96.87	97.05	-132.01	-6,009.30	-662.65	948.79	781.22	167.57	5.662	
17,200.00	10,805.00	17,694.30	11,440.00	98.17	98.35	-132.01	-6,109.30	-661.87	948.79	779.06	169.74	5.590	
17,300.00	10,805.00	17,794.30	11,440.00	99.47	99.66	-132.01	-6,209.30	-661.08	948.79	776.88	171.91	5.519	
17,400.00	10,805.00	17,894.30	11,440.00	100.79	100.97	-132.01	-6,309.29	-660.30	948.79	774.71	174.08	5.450	
17,500.00	10,805.00	17,994.30	11,440.00	102.10	102.29	-132.01	-6,409.29	-659.51	948.79	772.53	176.26	5.383	
17,600.00	10,805.00	18,094.30	11,440.00	103.42	103.60	-132.01	-6,509.29	-658.73	948.79	770.34	178.45	5.317	
17,700.00	10,805.00	18,194.30	11,440.00	104.74	104.93	-132.01	-6,609.29	-657.94	948.79	768.15	180.64	5.252	
17,800.00	10,805.00	18,294.30	11,440.00	106.06	106.25	-132.01	-6,709.28	-657.16	948.79	765.95	182.84	5.189	
17,900.00	10,805.00	18,394.30	11,440.00	107.39	107.58	-132.01	-6,809.28	-656.37	948.79	763.75	185.04	5.128	
18,000.00	10,805.00	18,494.30	11,440.00	108.71	108.91	-132.01	-6,909.28	-655.59	948.79	761.55	187.24	5.067	
18,100.00	10,805.00	18,594.30	11,440.00	110.05	110.24	-132.01	-7,009.27	-654.80	948.79	759.34	189.45	5.008	
18,200.00	10,805.00	18,694.30	11,440.00	111.38	111.57	-132.01	-7,109.27	-654.02	948.79	757.12	191.67	4.950	
18,300.00	10,805.00	18,794.30	11,440.00	112.72	112.91	-132.01	-7,209.27	-653.23	948.79	754.91	193.88	4.894	
18,400.00	10,805.00	18,894.30	11,440.00	114.06	114.25	-132.01	-7,309.26	-652.45	948.79	752.68	196.10	4.838	
18,500.00	10,805.00	18,994.30	11,440.00	115.40	115.60	-132.01	-7,409.26	-651.67	948.79	750.46	198.33	4.784	
18,600.00	10,805.00	19,094.30	11,440.00	116.74	116.94	-132.01	-7,509.26	-650.88	948.79	748.23	200.56	4.731	
18,700.00	10,805.00	19,194.30	11,440.00	118.09	118.29	-132.01	-7,609.25	-650.10	948.79	746.00	202.79	4.679	
18,800.00	10,805.00	19,294.30	11,440.00	119.44	119.64	-132.01	-7,709.25	-649.31	948.79	743.76	205.02	4.628	
18,814.01	10,805.00	19,308.31	11,440.00	119.63	119.83	-132.01	-7,723.26	-649.20	948.79	743.45	205.34	4.621	
18,900.00	10,805.00	19,309.70	11,440.00	120.79	119.84	-132.01	-7,724.65	-649.19	952.55	748.81	203.74	4.675	
19,000.00	10,805.00	19,309.70	11,440.00	122.14	119.84	-132.01	-7,724.65	-649.19	966.58	766.37	200.21	4.828	
19,045.70	10,805.00	19,309.70	11,440.00	122.76	119.84	-132.01	-7,724.65	-649.19	976.34	778.25	198.08	4.929	

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

Altitude Energy Partners

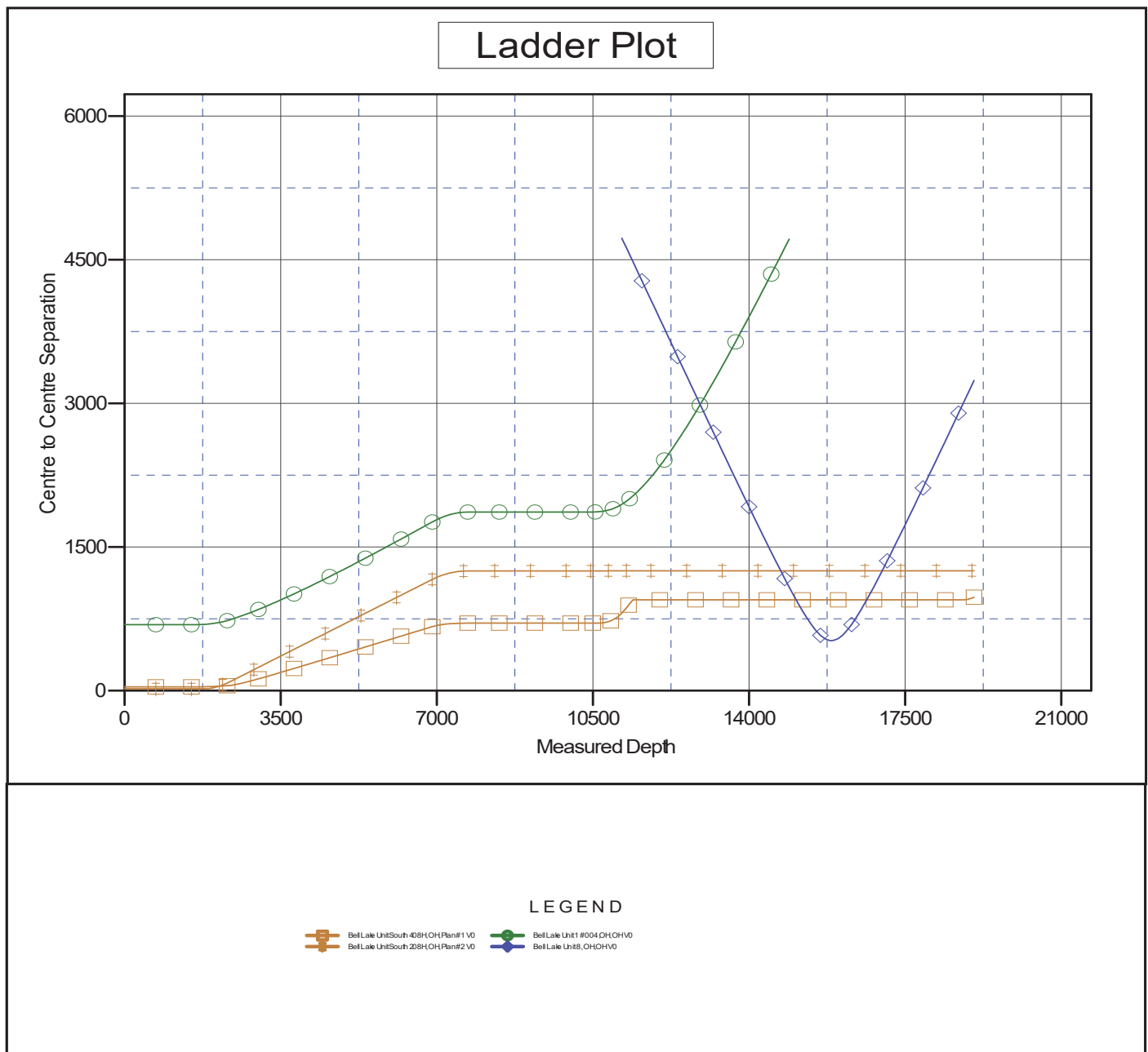
Anticollision Report



Company:	Kaiser-Francis Oil Company	Local Co-ordinate Reference:	Well Bell Lake Unit South 207H
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 207H	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 207H
 Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30
 Grid Convergence at Surface is: 0.44°



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
Project: Lea Co., NM (NAD-27)
Reference Site: Bell Lake Unit South
Site Error: 0.00 usft
Reference Well: Bell Lake Unit South 207H
Well Error: 0.00 usft
Reference Wellbore: OH
Reference Design: Plan #2

Local Co-ordinate Reference: Well Bell Lake Unit South 207H
TVD Reference: KB=23' @ 3638.00usft (Cactus 166)
MD Reference: KB=23' @ 3638.00usft (Cactus 166)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Output errors are at 2.00 sigma
Database: EDM 5000.1 Single User Db
Offset TVD Reference: Offset Datum

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

Offset Depths are relative to Offset Datum

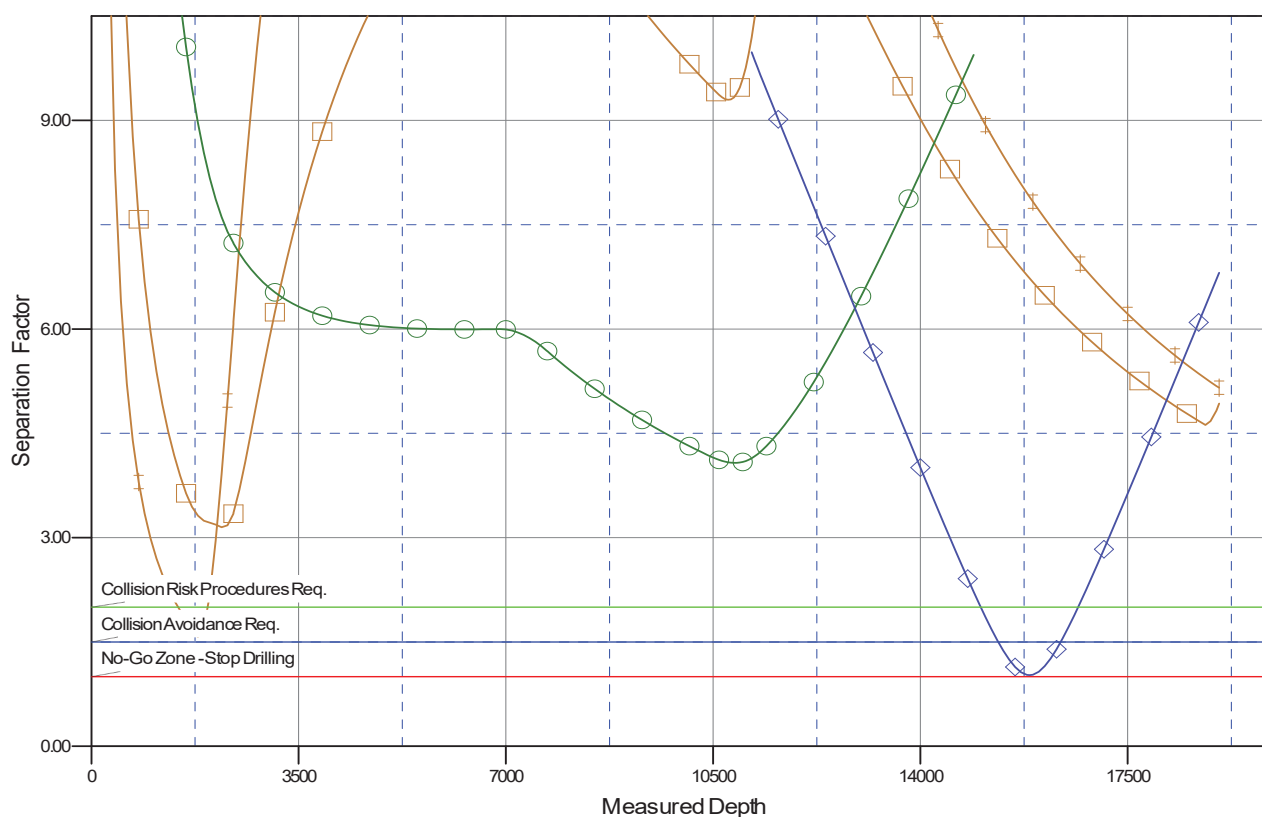
Central Meridian is -104.333334

Coordinates are relative to: Bell Lake Unit South 207H

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 South 208H OH Plan #1 VD
 Bell Lake Unit 1 #004 OH OH VD
 Bell Lake Unit 18 OH OH VD

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
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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 146352

CONDITIONS

Operator: KAISER-FRANCIS OIL CO PO Box 21468 Tulsa, OK 74121146	OGRID: 12361
	Action Number: 146352
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

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