

Submit 1 Copy To Appropriate District Office
 District I – (575) 393-6161
 1625 N. French Dr., Hobbs, NM 88240
 District II – (575) 748-1283
 811 S. First St., Artesia, NM 88210
 District III – (505) 334-6178
 1000 Rio Brazos Rd., Aztec, NM 87410
 District IV – (505) 476-3460
 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
 Energy, Minerals and Natural Resources

Form C-103
 Revised July 18, 2013

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

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.) 1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐		WELL API NO. 30-025-45908
2. Name of Operator Kaiser-Francis Oil Company		5. Indicate Type of Lease STATE ☐ FEE ☐ FED ☐
3. Address of Operator P.O. Box 21468, Tulsa, OK 74121		6. State Oil & Gas Lease No.
4. Well Location Unit Letter <u>F</u> : <u>2,507</u> feet from the <u>North</u> line and <u>1,555</u> feet from the <u>West</u> line Section <u>6</u> Township <u>24S</u> Range <u>34E</u> NMPM County <u>Lea</u>		7. Lease Name or Unit Agreement Name Bell Lake Unit South
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3,618' GR		8. Well Number 207H
9. OGRID Number 12361		10. Pool name or Wildcat Bell Lake; Bone Spring, South

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☐	PLUG AND ABANDON	☐	REMEDIAL WORK	☐	ALTERING CASING	☐
TEMPORARILY ABANDON	☐	CHANGE PLANS	☐	COMMENCE DRILLING OPNS.	☐	P AND A	☐
PULL OR ALTER CASING	☐	MULTIPLE COMPL	☐	CASING/CEMENT JOB	☐		
DOWNHOLE COMMINGLE	☐						
CLOSED-LOOP SYSTEM	☐						
OTHER:	☐			OTHER:	☒	Update Spacing Acreage	☒

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Kaiser-Francis Oil Company requests to update the dedicate acreage for the Bell Lake Unit South 207H to 236.14 instead of the proper 476.14 acreage.

Spud Date: 1/14/2021 Rig Release Date: 3/3/2021

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

SIGNATURE *Christina Opfer* TITLE Regulatory Manager DATE 3/15/2023
 Type or print name Christina Opfer E-mail address ChristinaO@kfoc.net PHONE 918-491-4468

For State Use Only

APPROVED BY: _____ TITLE _____ DATE _____

Conditions of Approval (if any):

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

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

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

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

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

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-45908	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

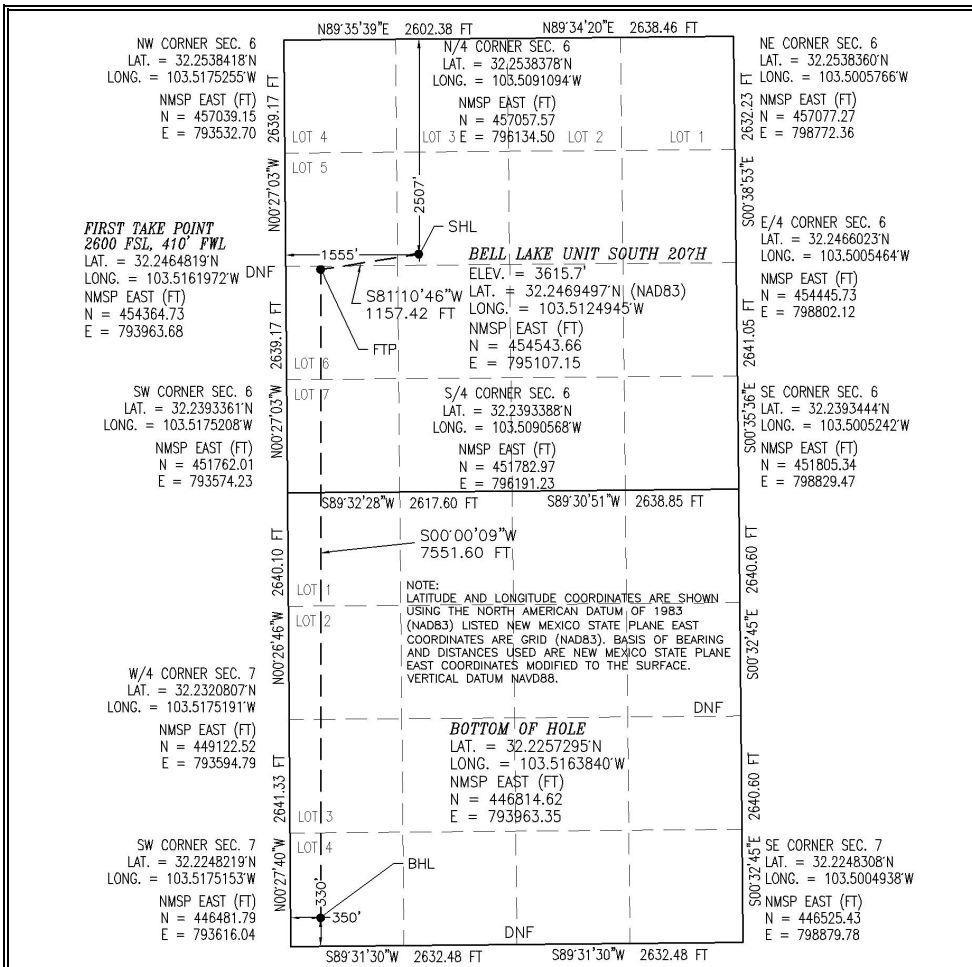
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	6	24 S	34 E		2507	NORTH	1555	WEST	LEA

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 236.14	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.

¹⁷ OPERATOR CERTIFICATION

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

Christina Opfer

3/2/23

Signature

Date

Christina Opfer

Printed Name

ChristinaO@kfoc.net

E-mail Address

¹⁸ SURVEYOR CERTIFICATION

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

JANUARY 6, 2021

Date of Survey

Signature and Seal of Professional Surveyor:

Certificate Number: **PHILIP J. HARRIS, P.S. 12797**
SURVEY NO. 5933C

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.

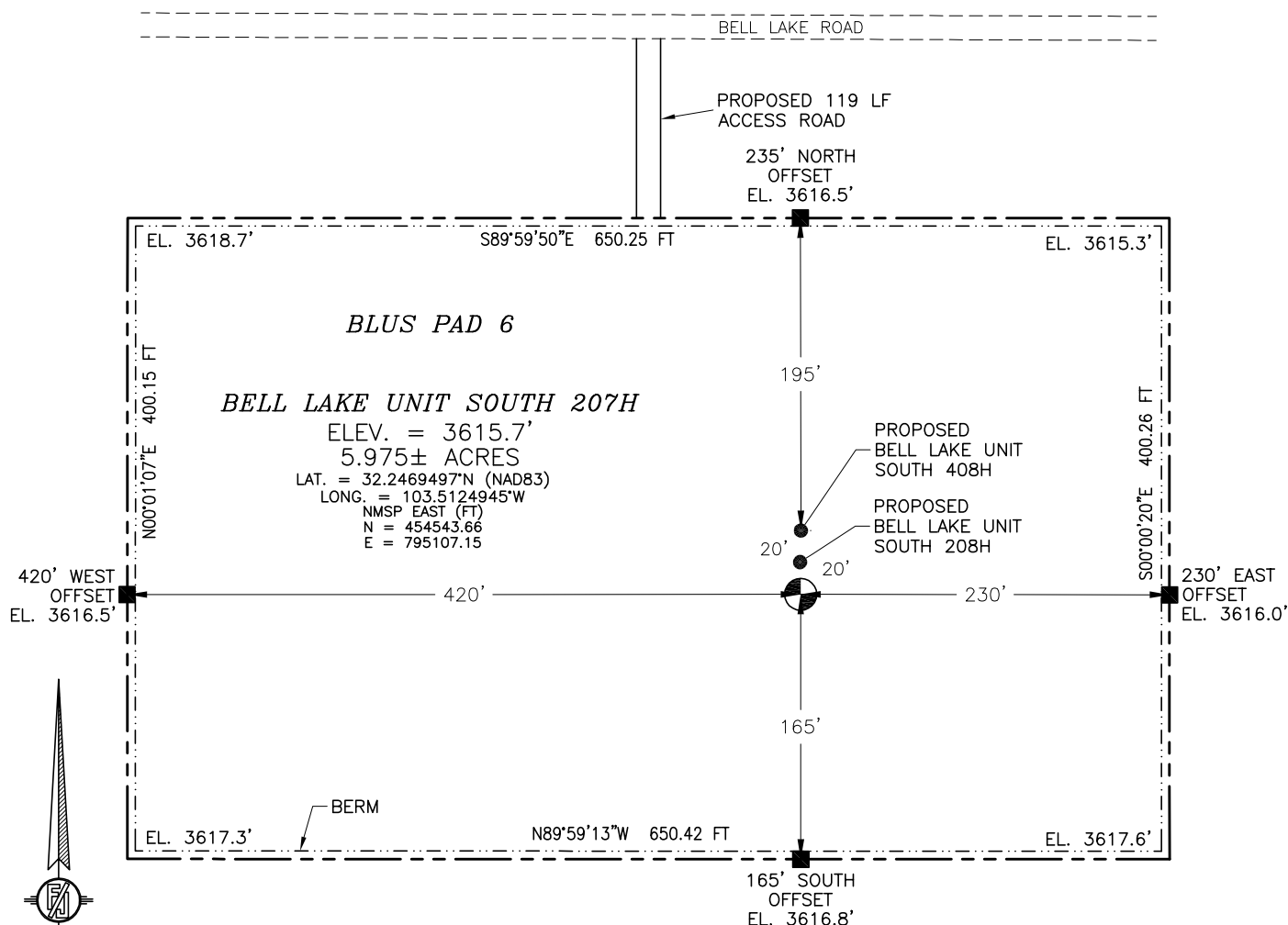
API #

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.

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 I HAVE MET THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO.

FILIMON F. JARAMILLO, 12/29/2020

MADDOX SURVEYING, INC.

301 SOUTH CANAL
(575) 234-3341

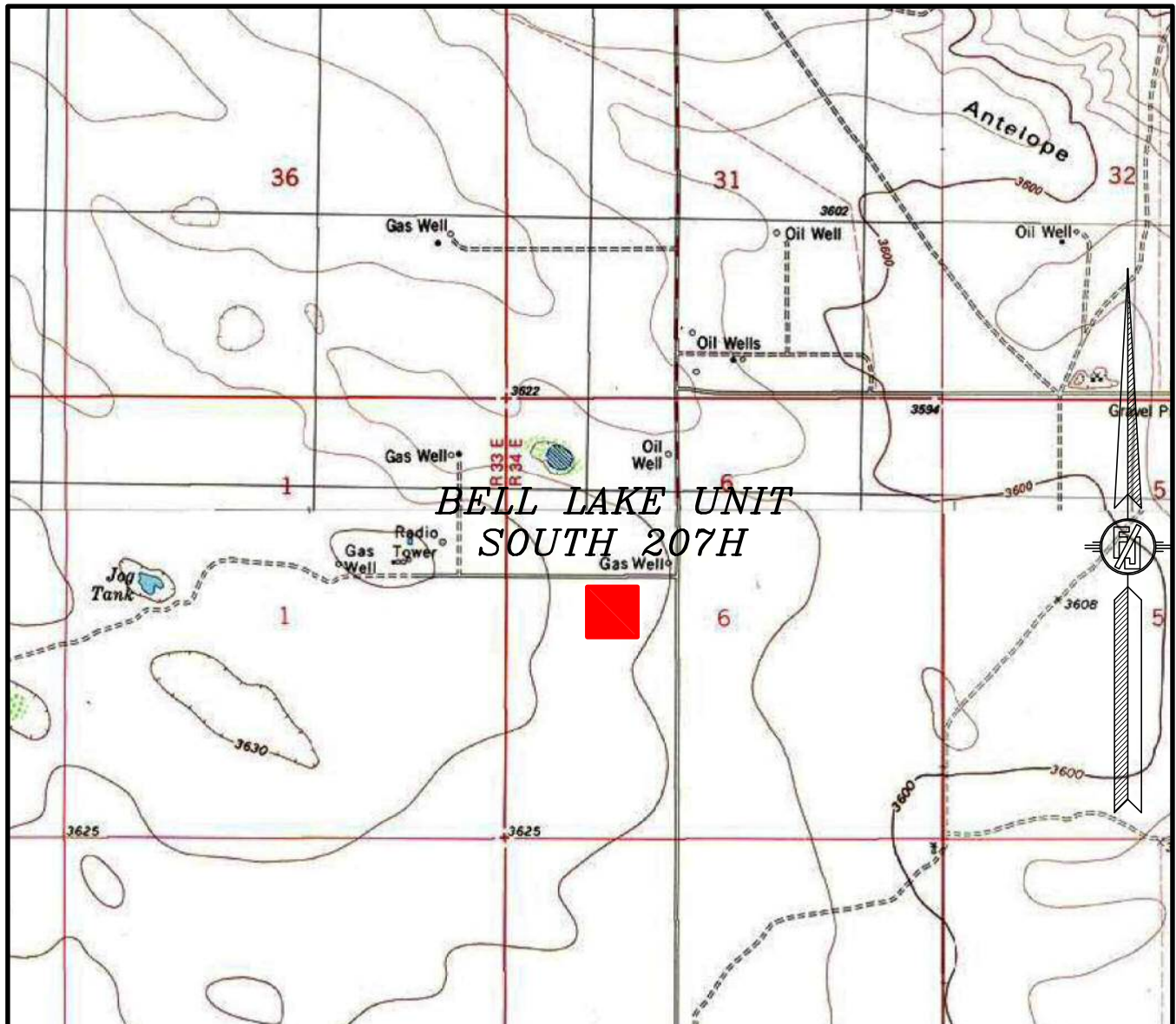
CARLSBAD, NEW MEXICO

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

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

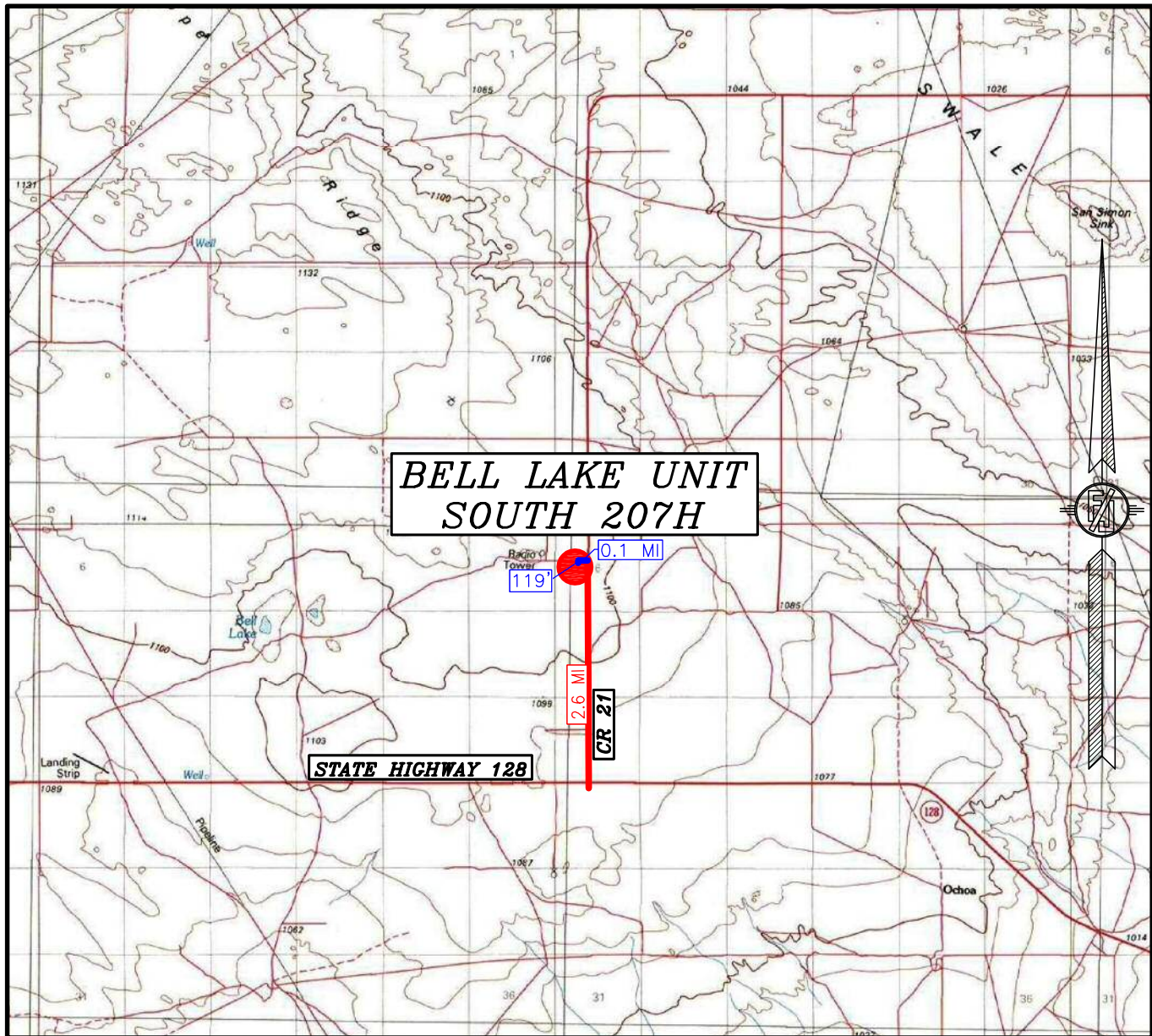
JANUARY 6, 2021

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

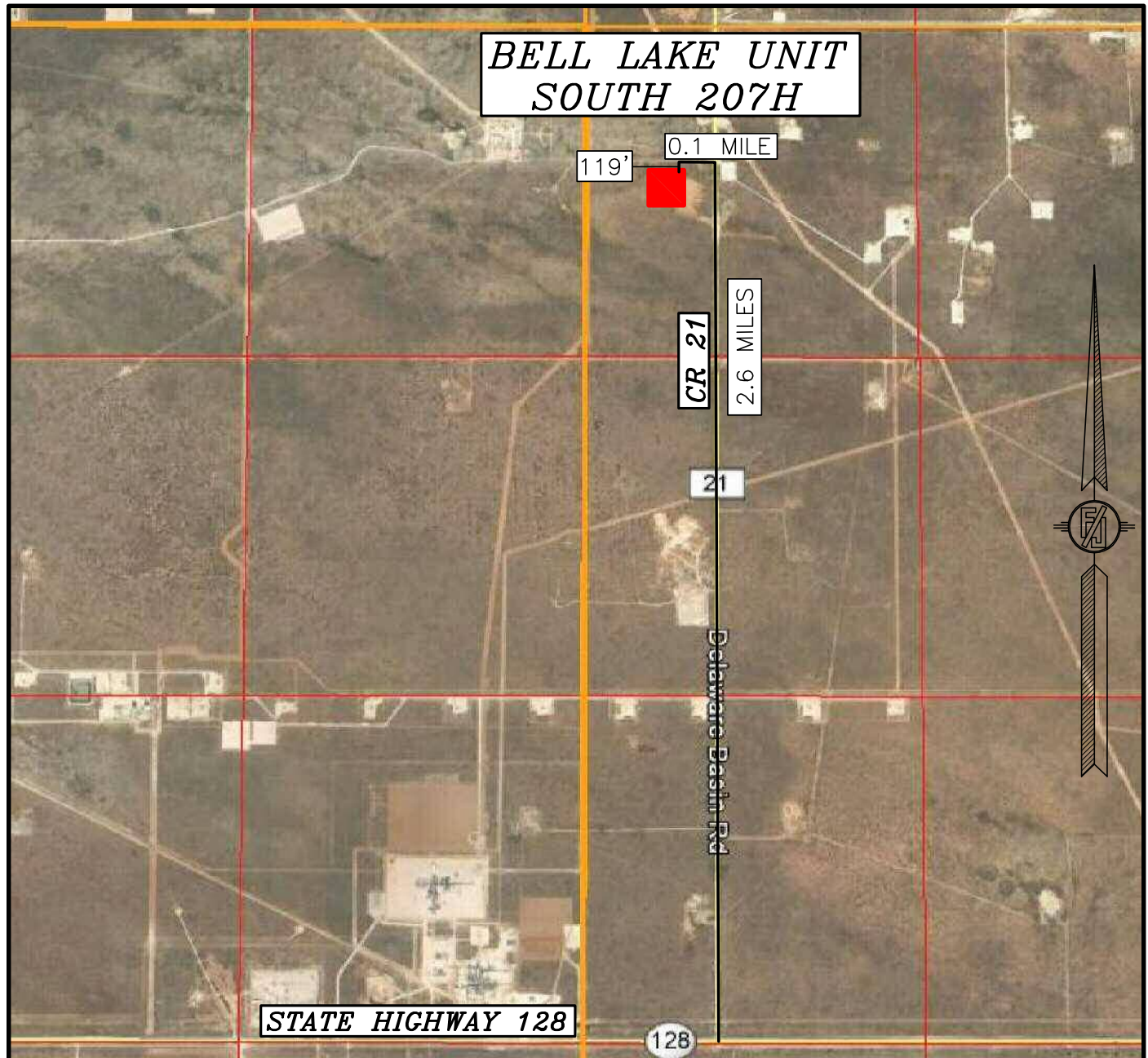
JANUARY 6, 2021

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

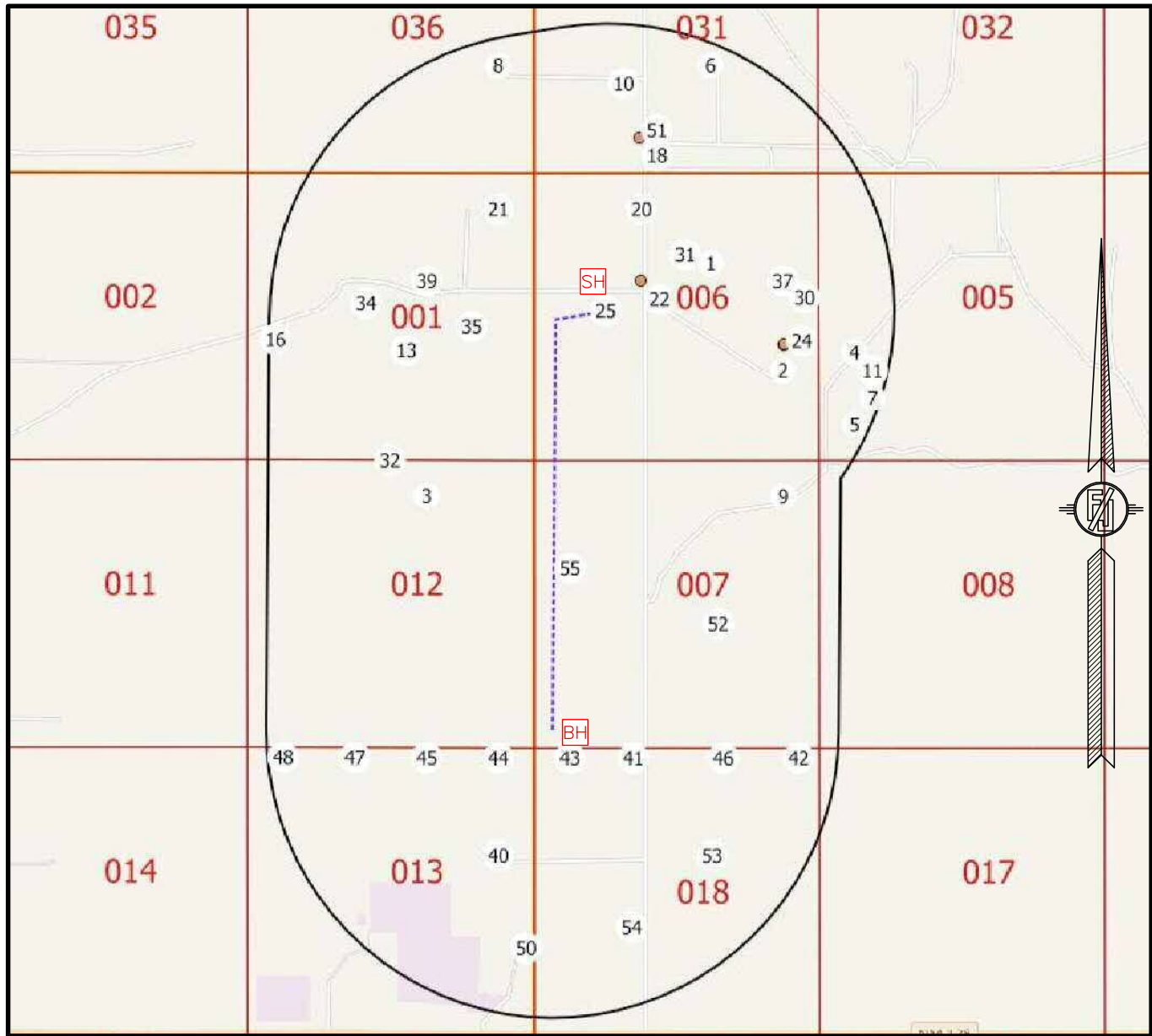
JANUARY 6, 2021

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

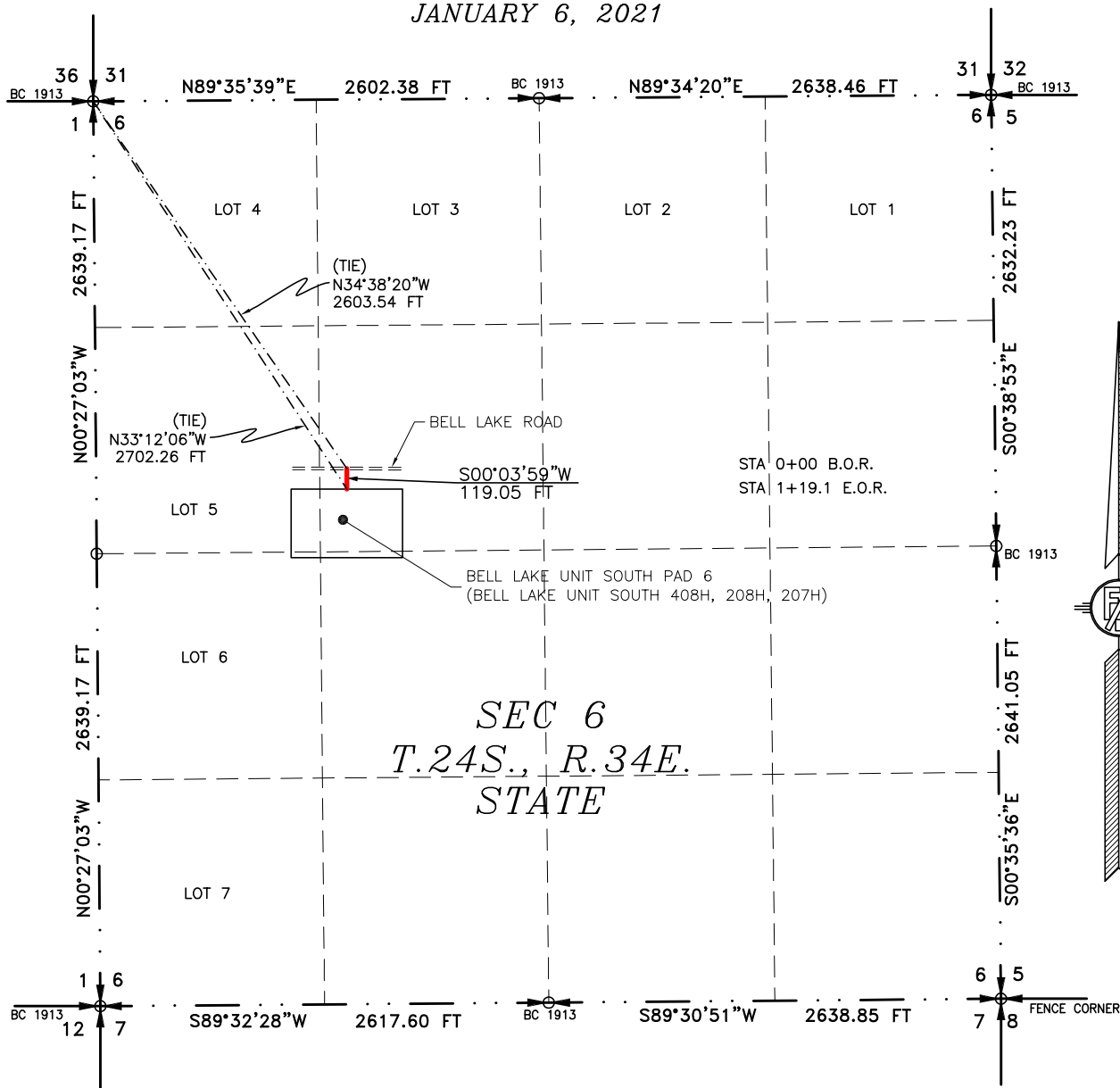
CARLSBAD, NEW MEXICO

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



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
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

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

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 #3

Standard Planning Report

23 January, 2021

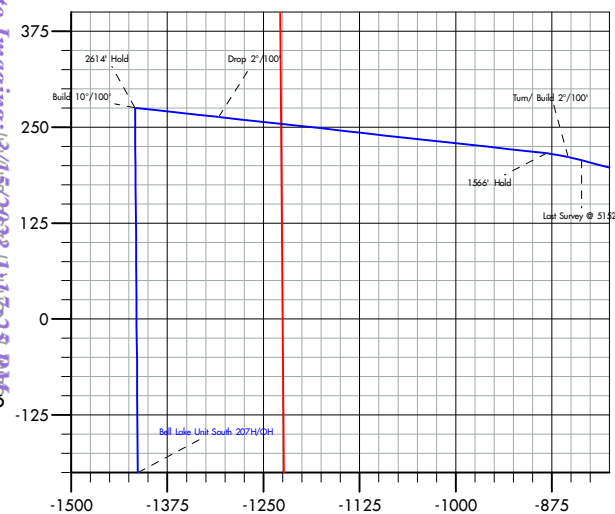


Project: Lea Co., NM (NAD-27)
 Site: Bell Lake Unit South
 Well: Bell Lake Unit South 207H
 Wellbore: OH
 Design: Plan #3
 Lat: 32.246826
 Long: -103.512016
 GL: 3615.00
 KB: KB=23' @ 3638.00usft (Cactus 166)

Kaiser-Francis Oil Company



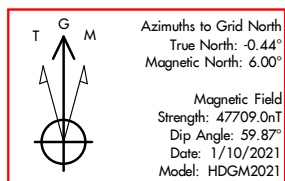
Received by
 OCD: 3/15/2023 1:00:20 PM
 3/15/2023 1:00:20 PM



West(-)/East(+) (250 usft/in)

Bell Lake Unit South 408H
SHL: 2467' FNL & 1555' FWL
BHL: 100' FSL & 845' FWL

330' FNL/FSL Hard Line
330' FWL/FEL Hard Line



CASING DETAILS

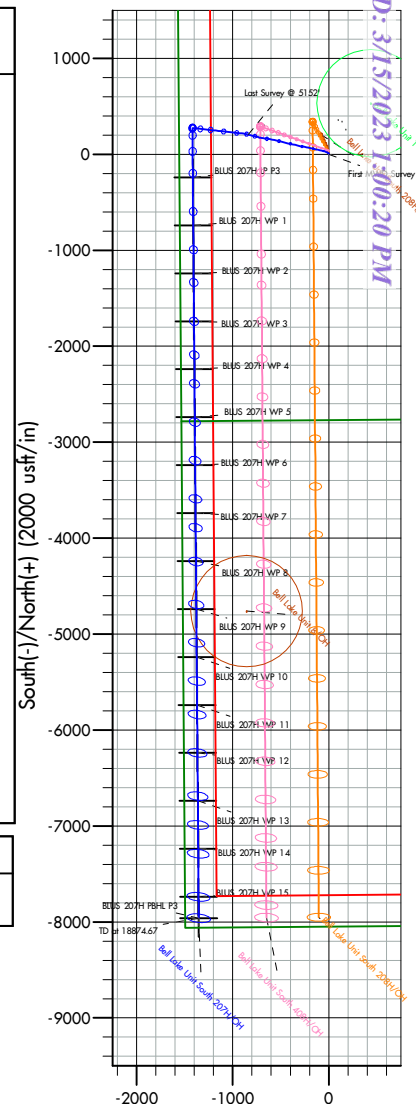
TVD	MD	Size
1499.91	1500.00	13-3/8
5089.23	5200.00	9-5/8

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Annotation
5152.00	15.35	283.90	5042.95	206.85	-836.46	0.00	0.00	-63.84	
5219.00	15.40	283.90	5107.55	211.12	-853.71	0.07	0.00	-65.15	Turn/ Build 2°/100'
5324.13	15.90	276.32	5208.80	216.06	-881.58	2.00	-79.92	-65.36	1566' Hold
6890.42	15.90	276.32	6715.16	263.31	-1308.07	0.00	0.00	-40.52	Drop 2°/100'
7685.43	0.00	179.55	7500.00	275.39	-1417.01	2.00	180.00	-34.18	2614' Hold
10300.31	0.00	179.55	10114.89	275.39	-1417.01	0.00	0.00	-34.18	Build 10°/100'
11143.18	84.29	179.55	10685.00	-240.52	-1412.95	10.00	0.00	473.76	502' Hold
11645.46	84.29	179.55	10735.00	-740.29	-1409.02	0.00	0.00	965.82	502' Hold
12147.74	84.29	179.55	10785.00	-1240.06	-1405.10	0.00	0.00	1457.87	Build 2°/100'
12241.96	86.17	179.55	10792.84	-1333.95	-1404.36	2.00	0.00	1550.31	406' Hold
12648.78	86.17	179.55	10820.00	-1739.84	-1401.17	0.00	0.00	1949.93	Build 2°/100'
12732.66	87.85	179.55	10824.38	-1823.61	-1400.51	2.00	0.04	2032.41	416' Hold
13148.97	87.85	179.55	10840.00	-2239.61	-1397.25	0.00	0.00	2441.99	Build 2°/100'
13185.98	87.11	179.55	10841.63	-2276.58	-1396.96	2.00	-179.90	2478.38	463' Hold
13649.38	87.11	179.55	10865.00	-2739.38	-1393.32	0.00	0.00	2934.04	Build 2°/100'
13745.95	89.04	179.55	10868.24	-2835.88	-1392.56	2.00	0.04	3029.05	403' Hold
14149.29	89.04	179.55	10875.00	-3239.15	-1389.40	0.00	0.00	3426.10	Build 2°/100'
14199.83	90.05	179.55	10875.40	-3289.69	-1389.00	2.00	-0.08	3475.85	449' Hold
14649.08	90.05	179.55	10875.00	-3738.93	-1385.47	0.00	0.00	3918.16	Drop 2°/100'
14713.04	88.77	179.55	10875.66	-3802.88	-1384.97	2.00	179.94	3981.12	435' Hold
15148.97	88.77	179.55	10885.00	-4238.70	-1381.55	0.00	0.00	4410.21	Build 2°/100'
15153.08	88.85	179.55	10885.09	-4242.81	-1381.52	2.00	-0.86	4414.26	495' Hold
15648.86	88.85	179.55	10895.00	-4738.47	-1377.62	0.00	0.00	4902.27	Drop 2°/100'
15709.86	87.63	179.55	10896.87	-4799.44	-1377.14	2.00	179.94	4962.30	439' Hold
16149.05	87.63	179.55	10915.00	-5238.24	-1373.70	0.00	0.00	5394.32	Drop 2°/100'
16205.71	86.50	179.55	10917.90	-5294.82	-1373.26	2.00	-179.94	5450.03	444' Hold
16649.75	86.50	179.55	10945.00	-5738.02	-1369.77	0.00	0.00	5886.38	Build 2°/100'
16748.50	88.48	179.55	10949.33	-5836.67	-1369.00	2.00	0.04	5983.51	401' Hold
17149.77	88.48	179.55	10960.00	-6237.79	-1365.85	0.00	0.00	6378.44	Build 2°/100'
17199.82	89.48	179.55	10960.89	-6287.83	-1365.46	2.00	-0.08	6427.70	449' Hold
17649.59	89.48	179.55	10965.00	-6737.56	-1361.92	0.00	0.00	6870.49	Build 2°/100'
17778.25	92.05	179.55	10963.29	-6866.19	-1360.91	2.00	0.03	6997.14	371' Hold
18149.63	92.05	179.55	10950.00	-7237.33	-1358.00	0.00	0.00	7362.54	Drop 2°/100'
18166.47	91.71	179.55	10949.45	-7254.16	-1357.87	2.00	-179.77	7379.11	483' Hold
18649.65	91.71	179.55	10935.00	-7737.11	-1354.07	0.00	0.00	7854.61	Build 4.16°/100'
18866.33	100.72	179.55	10911.55	-7952.28	-1352.38	4.16	0.02	8066.46	8.34' Hold
18874.67	100.72	179.55	10910.00	-7960.48	-1352.32	0.00	0.00	8074.53	TD at 18874.67

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



West(-)/East(+) (2000 usft/in)

Vertical Section at 189.64° (1000 usft/in)

Plan: Plan #3 (Bell Lake Unit South 207H/OH)

Created By: Dusty Moyer

Date: 14:13 January 23 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 #3		

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 #3				
Audit Notes:					
Version:		Phase:	PLAN	Tie On Depth:	5,152.00
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	1/23/2021			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	225.00	5,152.00	MWD Survey (OH)	MWD+HDGM	
				OWSG MWD + HDGM	
2	5,152.00	18,874.67	Plan #3 (OH)	MWD+HDGM	
				OWSG MWD + HDGM	

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 #3		

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
5,152.00	15.35	283.90	5,042.95	206.85	-836.46	0.00	0.00	0.00	0.00	
5,219.00	15.40	283.90	5,107.55	211.12	-853.71	0.07	0.07	0.00	0.00	
5,324.13	15.90	276.32	5,208.80	216.06	-881.58	2.00	0.48	-7.21	-79.92	
6,890.42	15.90	276.32	6,715.16	263.31	-1,308.07	0.00	0.00	0.00	0.00	
7,685.43	0.00	179.55	7,500.00	275.39	-1,417.01	2.00	-2.00	0.00	180.00	
10,300.31	0.00	179.55	10,114.89	275.39	-1,417.01	0.00	0.00	0.00	0.00	
11,143.18	84.29	179.55	10,685.00	-240.52	-1,412.95	10.00	10.00	0.00	0.00	BLUS 207H LP P3
11,645.46	84.29	179.55	10,735.00	-740.29	-1,409.02	0.00	0.00	0.00	0.00	BLUS 207H WP 1
12,147.74	84.29	179.55	10,785.00	-1,240.06	-1,405.10	0.00	0.00	0.00	0.00	BLUS 207H WP 2
12,241.96	86.17	179.55	10,792.84	-1,333.95	-1,404.36	2.00	2.00	0.00	0.00	
12,648.78	86.17	179.55	10,820.00	-1,739.84	-1,401.17	0.00	0.00	0.00	0.00	BLUS 207H WP 3
12,732.66	87.85	179.55	10,824.38	-1,823.61	-1,400.51	2.00	2.00	0.00	0.04	
13,148.97	87.85	179.55	10,840.00	-2,239.61	-1,397.25	0.00	0.00	0.00	0.00	BLUS 207H WP 4
13,185.98	87.11	179.55	10,841.63	-2,276.58	-1,396.96	2.00	-2.00	0.00	-179.90	
13,649.39	87.11	179.55	10,865.00	-2,739.38	-1,393.32	0.00	0.00	0.00	0.00	BLUS 207H WP 5
13,745.95	89.04	179.55	10,868.24	-2,835.88	-1,392.56	2.00	2.00	0.00	0.04	
14,149.29	89.04	179.55	10,875.00	-3,239.15	-1,389.40	0.00	0.00	0.00	0.00	BLUS 207H WP 6
14,199.83	90.05	179.55	10,875.40	-3,289.69	-1,389.00	2.00	2.00	0.00	-0.08	
14,649.08	90.05	179.55	10,875.00	-3,738.93	-1,385.47	0.00	0.00	0.00	0.00	BLUS 207H WP 7
14,713.04	88.77	179.55	10,875.66	-3,802.88	-1,384.97	2.00	-2.00	0.00	179.94	
15,148.97	88.77	179.55	10,885.00	-4,238.70	-1,381.55	0.00	0.00	0.00	0.00	BLUS 207H WP 8
15,153.08	88.85	179.55	10,885.09	-4,242.81	-1,381.52	2.00	2.00	-0.03	-0.86	
15,648.86	88.85	179.55	10,895.00	-4,738.47	-1,377.62	0.00	0.00	0.00	0.00	BLUS 207H WP 9
15,709.86	87.63	179.55	10,896.87	-4,799.44	-1,377.14	2.00	-2.00	0.00	179.94	
16,149.05	87.63	179.55	10,915.00	-5,238.24	-1,373.70	0.00	0.00	0.00	0.00	BLUS 207H WP 10
16,205.71	86.50	179.55	10,917.90	-5,294.82	-1,373.26	2.00	-2.00	0.00	-179.94	
16,649.75	86.50	179.55	10,945.00	-5,738.02	-1,369.77	0.00	0.00	0.00	0.00	BLUS 207H WP 11
16,748.50	88.48	179.55	10,949.33	-5,836.67	-1,369.00	2.00	2.00	0.00	0.04	
17,149.77	88.48	179.55	10,960.00	-6,237.79	-1,365.85	0.00	0.00	0.00	0.00	BLUS 207H WP 12
17,199.83	89.48	179.55	10,960.89	-6,287.83	-1,365.46	2.00	2.00	0.00	-0.08	
17,649.59	89.48	179.55	10,965.00	-6,737.56	-1,361.92	0.00	0.00	0.00	0.00	BLUS 207H WP 13
17,778.25	92.05	179.55	10,963.29	-6,866.19	-1,360.91	2.00	2.00	0.00	0.03	
18,149.63	92.05	179.55	10,950.00	-7,237.33	-1,358.00	0.00	0.00	0.00	0.00	BLUS 207H WP 14
18,166.47	91.71	179.55	10,949.45	-7,254.16	-1,357.87	2.00	-2.00	-0.01	-179.77	
18,649.65	91.71	179.55	10,935.00	-7,737.11	-1,354.07	0.00	0.00	0.00	0.00	BLUS 207H WP 15
18,866.33	100.72	179.55	10,911.55	-7,952.28	-1,352.38	4.16	4.16	0.00	0.02	
18,874.67	100.72	179.55	10,910.00	-7,960.48	-1,352.32	0.00	0.00	0.00	0.00	BLUS 207H PBHL P3

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 #3		

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
225.00	0.48	21.08	225.00	0.88	0.34	-0.92	0.21	0.21	0.00
421.00	0.48	29.91	420.99	2.36	1.04	-2.50	0.04	0.00	4.51
609.00	0.74	42.80	608.98	3.93	2.26	-4.25	0.16	0.14	6.86
796.00	0.63	4.39	795.97	5.84	3.16	-6.29	0.25	-0.06	-20.54
984.00	0.57	319.68	983.96	7.59	2.63	-7.92	0.24	-0.03	-23.78
1,173.00	0.26	30.01	1,172.95	8.67	2.24	-8.93	0.29	-0.16	37.21
1,290.00	0.34	103.54	1,289.95	8.82	2.71	-9.15	0.31	0.07	62.85
1,362.00	0.12	350.00	1,361.95	8.85	2.91	-9.21	0.56	-0.31	-157.69
1,457.00	1.57	310.56	1,456.94	9.79	1.90	-9.97	1.56	1.53	-41.52
1,500.00	2.30	306.44	1,499.91	10.69	0.76	-10.66	1.73	1.70	-9.58
13 3/8"									
1,552.00	3.19	303.99	1,551.85	12.11	-1.28	-11.73	1.73	1.71	-4.71
1,647.00	4.60	301.33	1,646.63	15.57	-6.73	-14.23	1.50	1.48	-2.80
1,742.00	6.12	297.61	1,741.21	19.90	-14.47	-17.20	1.64	1.60	-3.92
1,837.00	7.77	293.31	1,835.52	24.79	-24.85	-20.28	1.82	1.74	-4.53
1,932.00	9.46	290.28	1,929.44	30.04	-38.08	-23.24	1.84	1.78	-3.19
2,027.00	10.81	285.47	2,022.96	35.12	-53.99	-25.58	1.68	1.42	-5.06
2,122.00	12.18	283.18	2,116.05	39.78	-72.33	-27.11	1.52	1.44	-2.41
2,217.00	13.79	282.96	2,208.62	44.61	-93.12	-28.38	1.70	1.69	-0.23
2,312.00	13.80	281.40	2,300.88	49.38	-115.27	-29.38	0.39	0.01	-1.64
2,407.00	14.84	282.70	2,392.93	54.30	-138.24	-30.38	1.15	1.09	1.37
2,502.00	14.29	282.88	2,484.87	59.59	-161.54	-31.69	0.58	-0.58	0.19
2,597.00	13.62	282.56	2,577.07	64.63	-183.89	-32.92	0.71	-0.71	-0.34
2,692.00	14.67	280.89	2,669.19	69.34	-206.62	-33.75	1.19	1.11	-1.76
2,787.00	15.07	280.52	2,761.00	73.87	-230.57	-34.21	0.43	0.42	-0.39
2,882.00	14.55	279.94	2,852.85	78.18	-254.47	-34.46	0.57	-0.55	-0.61
2,977.00	14.83	279.60	2,944.74	82.27	-278.21	-34.51	0.31	0.29	-0.36
3,072.00	15.17	284.63	3,036.51	87.44	-302.23	-35.58	1.42	0.36	5.29
3,167.00	14.85	283.62	3,128.27	93.44	-326.08	-37.51	0.44	-0.34	-1.06
3,262.00	14.90	284.06	3,220.08	99.28	-349.76	-39.29	0.13	0.05	0.46
3,357.00	15.52	282.79	3,311.76	105.06	-374.01	-40.93	0.74	0.65	-1.34
3,452.00	15.40	281.97	3,403.32	110.49	-398.74	-42.14	0.26	-0.13	-0.86
3,547.00	15.00	282.81	3,495.00	115.83	-423.07	-43.34	0.48	-0.42	0.88
3,642.00	14.48	282.60	3,586.87	121.14	-446.65	-44.63	0.55	-0.55	-0.22
3,737.00	14.52	283.19	3,678.84	126.45	-469.83	-45.98	0.16	0.04	0.62
3,832.00	15.22	284.64	3,770.66	132.32	-493.49	-47.80	0.83	0.74	1.53
3,926.00	14.56	283.41	3,861.51	138.18	-516.93	-49.65	0.78	-0.70	-1.31
4,021.00	14.77	281.86	3,953.41	143.44	-540.39	-50.91	0.47	0.22	-1.63
4,116.00	15.78	281.58	4,045.05	148.52	-564.90	-51.81	1.07	1.06	-0.29
4,211.00	15.65	281.04	4,136.50	153.57	-590.13	-52.56	0.21	-0.14	-0.57
4,306.00	16.52	280.33	4,227.78	158.44	-615.99	-53.04	0.94	0.92	-0.75
4,401.00	17.08	280.36	4,318.73	163.37	-643.01	-53.38	0.59	0.59	0.03
4,496.00	16.19	278.70	4,409.75	167.89	-669.82	-53.33	1.06	-0.94	-1.75
4,591.00	15.13	277.55	4,501.22	171.52	-695.20	-52.66	1.16	-1.12	-1.21
4,686.00	15.10	282.47	4,592.94	175.82	-719.58	-52.82	1.35	-0.03	5.18
4,781.00	15.88	286.37	4,684.49	182.16	-744.13	-54.96	1.37	0.82	4.11
4,876.00	15.40	285.61	4,775.97	189.21	-768.75	-57.79	0.55	-0.51	-0.80
4,971.00	14.10	283.36	4,867.84	195.28	-792.16	-59.85	1.50	-1.37	-2.37
5,066.00	14.62	285.64	4,959.87	201.19	-814.96	-61.86	0.81	0.55	2.40
5,152.00	15.35	283.90	5,042.95	206.85	-836.46	-63.84	1.00	0.85	-2.02
5,200.00	15.39	283.90	5,089.23	209.90	-848.81	-64.78	0.07	0.07	0.00
9 5/8"									
5,219.00	15.40	283.90	5,107.55	211.12	-853.71	-65.15	0.07	0.07	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 #3		

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)
Turn/ Build 2°/100'									
5,300.00	15.76	278.02	5,185.58	215.23	-875.04	-65.64	2.00	0.45	-7.26
5,324.13	15.90	276.32	5,208.80	216.06	-881.58	-65.36	2.00	0.57	-7.03
1566' Hold									
5,400.00	15.90	276.32	5,281.76	218.34	-902.23	-64.15	0.00	0.00	0.00
5,500.00	15.90	276.32	5,377.94	221.36	-929.46	-62.57	0.00	0.00	0.00
5,600.00	15.90	276.32	5,474.11	224.38	-956.69	-60.98	0.00	0.00	0.00
5,700.00	15.90	276.32	5,570.28	227.40	-983.92	-59.40	0.00	0.00	0.00
5,800.00	15.90	276.32	5,666.46	230.41	-1,011.15	-57.81	0.00	0.00	0.00
5,900.00	15.90	276.32	5,762.63	233.43	-1,038.38	-56.23	0.00	0.00	0.00
6,000.00	15.90	276.32	5,858.81	236.45	-1,065.61	-54.64	0.00	0.00	0.00
6,100.00	15.90	276.32	5,954.98	239.47	-1,092.84	-53.05	0.00	0.00	0.00
6,200.00	15.90	276.32	6,051.15	242.48	-1,120.07	-51.47	0.00	0.00	0.00
6,300.00	15.90	276.32	6,147.33	245.50	-1,147.30	-49.88	0.00	0.00	0.00
6,400.00	15.90	276.32	6,243.50	248.52	-1,174.53	-48.30	0.00	0.00	0.00
6,500.00	15.90	276.32	6,339.68	251.53	-1,201.76	-46.71	0.00	0.00	0.00
6,600.00	15.90	276.32	6,435.85	254.55	-1,228.99	-45.13	0.00	0.00	0.00
6,700.00	15.90	276.32	6,532.03	257.57	-1,256.22	-43.54	0.00	0.00	0.00
6,800.00	15.90	276.32	6,628.20	260.59	-1,283.45	-41.95	0.00	0.00	0.00
6,890.42	15.90	276.32	6,715.16	263.31	-1,308.07	-40.52	0.00	0.00	0.00
Drop 2°/100'									
6,900.00	15.71	276.32	6,724.38	263.60	-1,310.66	-40.37	2.00	-2.00	0.00
7,000.00	13.71	276.32	6,821.10	266.40	-1,335.90	-38.90	2.00	-2.00	0.00
7,100.00	11.71	276.32	6,918.64	268.82	-1,357.76	-37.63	2.00	-2.00	0.00
7,200.00	9.71	276.32	7,016.89	270.87	-1,376.23	-36.55	2.00	-2.00	0.00
7,300.00	7.71	276.32	7,115.74	272.53	-1,391.28	-35.67	2.00	-2.00	0.00
7,400.00	5.71	276.32	7,215.05	273.82	-1,402.89	-35.00	2.00	-2.00	0.00
7,500.00	3.71	276.32	7,314.70	274.73	-1,411.04	-34.52	2.00	-2.00	0.00
7,600.00	1.71	276.32	7,414.59	275.25	-1,415.74	-34.25	2.00	-2.00	0.00
7,685.43	0.00	179.55	7,500.00	275.39	-1,417.01	-34.18	2.00	-2.00	0.00
2614' Hold									
7,700.00	0.00	0.00	7,514.57	275.39	-1,417.01	-34.18	0.00	0.00	0.00
7,800.00	0.00	0.00	7,614.57	275.39	-1,417.01	-34.18	0.00	0.00	0.00
7,900.00	0.00	0.00	7,714.57	275.39	-1,417.01	-34.18	0.00	0.00	0.00
8,000.00	0.00	0.00	7,814.57	275.39	-1,417.01	-34.18	0.00	0.00	0.00
8,100.00	0.00	0.00	7,914.57	275.39	-1,417.01	-34.18	0.00	0.00	0.00
8,200.00	0.00	0.00	8,014.57	275.39	-1,417.01	-34.18	0.00	0.00	0.00
8,300.00	0.00	0.00	8,114.57	275.39	-1,417.01	-34.18	0.00	0.00	0.00
8,400.00	0.00	0.00	8,214.57	275.39	-1,417.01	-34.18	0.00	0.00	0.00
8,500.00	0.00	0.00	8,314.57	275.39	-1,417.01	-34.18	0.00	0.00	0.00
8,600.00	0.00	0.00	8,414.57	275.39	-1,417.01	-34.18	0.00	0.00	0.00
8,700.00	0.00	0.00	8,514.57	275.39	-1,417.01	-34.18	0.00	0.00	0.00
8,800.00	0.00	0.00	8,614.57	275.39	-1,417.01	-34.18	0.00	0.00	0.00
8,900.00	0.00	0.00	8,714.57	275.39	-1,417.01	-34.18	0.00	0.00	0.00
9,000.00	0.00	0.00	8,814.57	275.39	-1,417.01	-34.18	0.00	0.00	0.00
9,100.00	0.00	0.00	8,914.57	275.39	-1,417.01	-34.18	0.00	0.00	0.00
9,200.00	0.00	0.00	9,014.57	275.39	-1,417.01	-34.18	0.00	0.00	0.00
9,300.00	0.00	0.00	9,114.57	275.39	-1,417.01	-34.18	0.00	0.00	0.00
9,400.00	0.00	0.00	9,214.57	275.39	-1,417.01	-34.18	0.00	0.00	0.00
9,500.00	0.00	0.00	9,314.57	275.39	-1,417.01	-34.18	0.00	0.00	0.00
9,600.00	0.00	0.00	9,414.57	275.39	-1,417.01	-34.18	0.00	0.00	0.00
9,700.00	0.00	0.00	9,514.57	275.39	-1,417.01	-34.18	0.00	0.00	0.00
9,800.00	0.00	0.00	9,614.57	275.39	-1,417.01	-34.18	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 #3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
9,900.00	0.00	0.00	9,714.57	275.39	-1,417.01	-34.18	0.00	0.00	0.00
10,000.00	0.00	0.00	9,814.57	275.39	-1,417.01	-34.18	0.00	0.00	0.00
10,100.00	0.00	0.00	9,914.57	275.39	-1,417.01	-34.18	0.00	0.00	0.00
10,200.00	0.00	0.00	10,014.57	275.39	-1,417.01	-34.18	0.00	0.00	0.00
10,300.31	0.00	0.00	10,114.88	275.39	-1,417.01	-34.18	0.00	0.00	0.00
Build 10°/100'									
10,350.00	4.97	179.55	10,164.51	273.23	-1,416.99	-32.06	10.00	10.00	0.00
10,400.00	9.97	179.55	10,214.07	266.74	-1,416.94	-25.66	10.00	10.00	0.00
10,450.00	14.97	179.55	10,262.88	255.94	-1,416.85	-15.04	10.00	10.00	0.00
10,500.00	19.97	179.55	10,310.56	240.94	-1,416.74	-0.26	10.00	10.00	0.00
10,550.00	24.97	179.55	10,356.75	221.84	-1,416.59	18.54	10.00	10.00	0.00
10,600.00	29.97	179.55	10,401.10	198.78	-1,416.40	41.24	10.00	10.00	0.00
10,650.00	34.97	179.55	10,443.27	171.95	-1,416.19	67.66	10.00	10.00	0.00
10,700.00	39.97	179.55	10,482.94	141.55	-1,415.95	97.60	10.00	10.00	0.00
10,750.00	44.97	179.55	10,519.81	107.80	-1,415.69	130.82	10.00	10.00	0.00
10,800.00	49.97	179.55	10,553.60	70.96	-1,415.40	167.09	10.00	10.00	0.00
10,850.00	54.97	179.55	10,584.05	31.33	-1,415.09	206.11	10.00	10.00	0.00
10,900.00	59.97	179.55	10,610.93	-10.81	-1,414.76	247.60	10.00	10.00	0.00
10,950.00	64.97	179.55	10,634.03	-55.13	-1,414.41	291.24	10.00	10.00	0.00
11,000.00	69.97	179.55	10,653.19	-101.30	-1,414.04	336.70	10.00	10.00	0.00
11,050.00	74.97	179.55	10,668.24	-148.96	-1,413.67	383.62	10.00	10.00	0.00
11,100.00	79.97	179.55	10,679.09	-197.76	-1,413.29	431.66	10.00	10.00	0.00
11,143.18	84.29	179.55	10,685.00	-240.52	-1,412.95	473.76	10.00	10.00	0.00
502' Hold									
11,200.00	84.29	179.55	10,690.66	-297.05	-1,412.51	529.42	0.00	0.00	0.00
11,300.00	84.29	179.55	10,700.61	-396.55	-1,411.72	627.39	0.00	0.00	0.00
11,400.00	84.29	179.55	10,710.57	-496.05	-1,410.94	725.35	0.00	0.00	0.00
11,500.00	84.29	179.55	10,720.52	-595.55	-1,410.16	823.31	0.00	0.00	0.00
11,600.00	84.29	179.55	10,730.47	-695.05	-1,409.38	921.28	0.00	0.00	0.00
11,645.46	84.29	179.55	10,735.00	-740.29	-1,409.02	965.81	0.00	0.00	0.00
502' Hold									
11,700.00	84.29	179.55	10,740.43	-794.55	-1,408.59	1,019.24	0.00	0.00	0.00
11,800.00	84.29	179.55	10,750.38	-894.05	-1,407.81	1,117.21	0.00	0.00	0.00
11,900.00	84.29	179.55	10,760.34	-993.55	-1,407.03	1,215.17	0.00	0.00	0.00
12,000.00	84.29	179.55	10,770.29	-1,093.05	-1,406.25	1,313.13	0.00	0.00	0.00
12,100.00	84.29	179.55	10,780.25	-1,192.55	-1,405.46	1,411.10	0.00	0.00	0.00
12,147.74	84.29	179.55	10,785.00	-1,240.06	-1,405.09	1,457.87	0.00	0.00	0.00
Build 2°/100'									
12,200.00	85.33	179.55	10,789.73	-1,292.10	-1,404.69	1,509.11	2.00	2.00	0.00
12,241.96	86.17	179.55	10,792.84	-1,333.94	-1,404.36	1,550.30	2.00	2.00	0.00
406' Hold									
12,300.00	86.17	179.55	10,796.71	-1,391.85	-1,403.91	1,607.32	0.00	0.00	0.00
12,400.00	86.17	179.55	10,803.39	-1,491.63	-1,403.12	1,705.55	0.00	0.00	0.00
12,500.00	86.17	179.55	10,810.07	-1,591.40	-1,402.34	1,803.78	0.00	0.00	0.00
12,600.00	86.17	179.55	10,816.74	-1,691.17	-1,401.55	1,902.02	0.00	0.00	0.00
12,648.78	86.17	179.55	10,820.00	-1,739.84	-1,401.17	1,949.94	0.00	0.00	0.00
Build 2°/100'									
12,700.00	87.20	179.55	10,822.96	-1,790.97	-1,400.77	2,000.28	2.00	2.00	0.00
12,732.66	87.85	179.55	10,824.38	-1,823.60	-1,400.51	2,032.40	2.00	2.00	0.00
416' Hold									
12,800.00	87.85	179.55	10,826.90	-1,890.89	-1,399.98	2,098.65	0.00	0.00	0.00
12,900.00	87.85	179.55	10,830.66	-1,990.82	-1,399.20	2,197.04	0.00	0.00	0.00
13,000.00	87.85	179.55	10,834.41	-2,090.75	-1,398.42	2,295.42	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 #3		

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)	
13,100.00	87.85	179.55	10,838.16	-2,190.67	-1,397.63	2,393.81	0.00	0.00	0.00	
13,148.97	87.85	179.55	10,840.00	-2,239.61	-1,397.25	2,441.98	0.00	0.00	0.00	
Drop 2°/100'										
13,185.98	87.11	179.55	10,841.63	-2,276.58	-1,396.96	2,478.39	2.00	-2.00	0.00	
463' Hold										
13,200.00	87.11	179.55	10,842.34	-2,290.58	-1,396.85	2,492.17	0.00	0.00	0.00	
13,300.00	87.11	179.55	10,847.38	-2,390.45	-1,396.06	2,590.50	0.00	0.00	0.00	
13,400.00	87.11	179.55	10,852.42	-2,490.32	-1,395.28	2,688.83	0.00	0.00	0.00	
13,500.00	87.11	179.55	10,857.47	-2,590.19	-1,394.49	2,787.15	0.00	0.00	0.00	
13,600.00	87.11	179.55	10,862.51	-2,690.06	-1,393.71	2,885.48	0.00	0.00	0.00	
13,649.38	87.11	179.55	10,865.00	-2,739.38	-1,393.32	2,934.04	0.00	0.00	0.00	
Build 2°/100'										
13,700.00	88.12	179.55	10,867.11	-2,789.95	-1,392.92	2,983.83	2.00	2.00	0.00	
13,745.95	89.04	179.55	10,868.24	-2,835.88	-1,392.56	3,029.05	2.00	2.00	0.00	
403' Hold										
13,800.00	89.04	179.55	10,869.15	-2,889.92	-1,392.14	3,082.26	0.00	0.00	0.00	
13,900.00	89.04	179.55	10,870.82	-2,989.91	-1,391.35	3,180.70	0.00	0.00	0.00	
14,000.00	89.04	179.55	10,872.50	-3,089.89	-1,390.57	3,279.14	0.00	0.00	0.00	
14,100.00	89.04	179.55	10,874.17	-3,189.87	-1,389.79	3,377.58	0.00	0.00	0.00	
14,149.29	89.04	179.55	10,875.00	-3,239.15	-1,389.40	3,426.10	0.00	0.00	0.00	
Build 2°/100'										
14,199.83	90.05	179.55	10,875.40	-3,289.69	-1,389.00	3,475.86	2.00	2.00	0.00	
449' Hold										
14,300.00	90.05	179.55	10,875.31	-3,389.86	-1,388.22	3,574.48	0.00	0.00	0.00	
14,400.00	90.05	179.55	10,875.22	-3,489.85	-1,387.43	3,672.93	0.00	0.00	0.00	
14,500.00	90.05	179.55	10,875.13	-3,589.85	-1,386.64	3,771.38	0.00	0.00	0.00	
14,600.00	90.05	179.55	10,875.04	-3,689.85	-1,385.86	3,869.83	0.00	0.00	0.00	
14,649.08	90.05	179.55	10,875.00	-3,738.93	-1,385.47	3,918.15	0.00	0.00	0.00	
Drop 2°/100'										
14,700.00	89.03	179.55	10,875.41	-3,789.84	-1,385.07	3,968.28	2.00	-2.00	0.00	
14,713.04	88.77	179.55	10,875.66	-3,802.88	-1,384.97	3,981.12	2.00	-2.00	0.00	
435' Hold										
14,800.00	88.77	179.55	10,877.52	-3,889.82	-1,384.29	4,066.72	0.00	0.00	0.00	
14,900.00	88.77	179.55	10,879.66	-3,989.79	-1,383.50	4,165.15	0.00	0.00	0.00	
15,000.00	88.77	179.55	10,881.81	-4,089.76	-1,382.72	4,263.58	0.00	0.00	0.00	
15,100.00	88.77	179.55	10,883.95	-4,189.74	-1,381.93	4,362.01	0.00	0.00	0.00	
15,148.97	88.77	179.55	10,885.00	-4,238.70	-1,381.55	4,410.21	0.00	0.00	0.00	
Build 2°/100'										
15,153.08	88.85	179.55	10,885.09	-4,242.81	-1,381.52	4,414.25	2.00	2.00	-0.03	
495' Hold										
15,200.00	88.85	179.55	10,886.02	-4,289.71	-1,381.15	4,460.44	0.00	0.00	0.00	
15,300.00	88.85	179.55	10,888.02	-4,389.69	-1,380.36	4,558.87	0.00	0.00	0.00	
15,400.00	88.85	179.55	10,890.02	-4,489.67	-1,379.58	4,657.30	0.00	0.00	0.00	
15,500.00	88.85	179.55	10,892.02	-4,589.64	-1,378.79	4,755.74	0.00	0.00	0.00	
15,600.00	88.85	179.55	10,894.02	-4,689.62	-1,378.00	4,854.17	0.00	0.00	0.00	
15,648.86	88.85	179.55	10,895.00	-4,738.47	-1,377.62	4,902.27	0.00	0.00	0.00	
Drop 2°/100'										
15,709.86	87.63	179.55	10,896.87	-4,799.44	-1,377.14	4,962.29	2.00	-2.00	0.00	
439' Hold										
15,800.00	87.63	179.55	10,900.59	-4,889.50	-1,376.43	5,050.96	0.00	0.00	0.00	
15,900.00	87.63	179.55	10,904.72	-4,989.41	-1,375.65	5,149.33	0.00	0.00	0.00	
16,000.00	87.63	179.55	10,908.85	-5,089.32	-1,374.87	5,247.70	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 #3		

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)
16,100.00	87.63	179.55	10,912.98	-5,189.23	-1,374.08	5,346.07	0.00	0.00	0.00
16,149.05	87.63	179.55	10,915.00	-5,238.24	-1,373.70	5,394.32	0.00	0.00	0.00
Drop 2°/100'									
16,205.71	86.50	179.55	10,917.90	-5,294.82	-1,373.26	5,450.03	2.00	-2.00	0.00
444' Hold									
16,300.00	86.50	179.55	10,923.65	-5,388.94	-1,372.52	5,542.69	0.00	0.00	0.00
16,400.00	86.50	179.55	10,929.76	-5,488.75	-1,371.73	5,640.96	0.00	0.00	0.00
16,500.00	86.50	179.55	10,935.86	-5,588.56	-1,370.95	5,739.23	0.00	0.00	0.00
16,600.00	86.50	179.55	10,941.96	-5,688.37	-1,370.16	5,837.50	0.00	0.00	0.00
16,649.75	86.50	179.55	10,945.00	-5,738.02	-1,369.77	5,886.38	0.00	0.00	0.00
Build 2°/100'									
16,700.00	87.51	179.55	10,947.63	-5,788.20	-1,369.38	5,935.79	2.00	2.00	0.00
16,748.50	88.48	179.55	10,949.33	-5,836.67	-1,369.00	5,983.51	2.00	2.00	0.00
401' Hold									
16,800.00	88.48	179.55	10,950.70	-5,888.15	-1,368.59	6,034.19	0.00	0.00	0.00
16,900.00	88.48	179.55	10,953.36	-5,988.11	-1,367.81	6,132.61	0.00	0.00	0.00
17,000.00	88.48	179.55	10,956.02	-6,088.07	-1,367.02	6,231.03	0.00	0.00	0.00
17,100.00	88.48	179.55	10,958.68	-6,188.03	-1,366.24	6,329.45	0.00	0.00	0.00
17,149.77	88.48	179.55	10,960.00	-6,237.79	-1,365.85	6,378.43	0.00	0.00	0.00
Build 2°/100'									
17,199.82	89.48	179.55	10,960.89	-6,287.83	-1,365.46	6,427.70	2.00	2.00	0.00
449' Hold									
17,300.00	89.48	179.55	10,961.81	-6,388.00	-1,364.67	6,526.33	0.00	0.00	0.00
17,400.00	89.48	179.55	10,962.72	-6,487.99	-1,363.88	6,624.77	0.00	0.00	0.00
17,500.00	89.48	179.55	10,963.63	-6,587.98	-1,363.10	6,723.22	0.00	0.00	0.00
17,600.00	89.48	179.55	10,964.55	-6,687.98	-1,362.31	6,821.67	0.00	0.00	0.00
17,649.59	89.48	179.55	10,965.00	-6,737.56	-1,361.92	6,870.49	0.00	0.00	0.00
Build 2°/100'									
17,700.00	90.49	179.55	10,965.02	-6,787.97	-1,361.52	6,920.12	2.00	2.00	0.00
17,778.25	92.05	179.55	10,963.29	-6,866.20	-1,360.91	6,997.14	2.00	2.00	0.00
371' Hold									
17,800.00	92.05	179.55	10,962.51	-6,887.93	-1,360.74	7,018.54	0.00	0.00	0.00
17,900.00	92.05	179.55	10,958.93	-6,987.86	-1,359.96	7,116.93	0.00	0.00	0.00
18,000.00	92.05	179.55	10,955.35	-7,087.80	-1,359.17	7,215.32	0.00	0.00	0.00
18,100.00	92.05	179.55	10,951.78	-7,187.73	-1,358.39	7,313.71	0.00	0.00	0.00
18,149.63	92.05	179.55	10,950.00	-7,237.33	-1,358.00	7,362.54	0.00	0.00	0.00
Drop 2°/100'									
18,166.47	91.71	179.55	10,949.45	-7,254.16	-1,357.87	7,379.11	2.00	-2.00	-0.01
483' Hold									
18,200.00	91.71	179.55	10,948.44	-7,287.67	-1,357.60	7,412.11	0.00	0.00	0.00
18,300.00	91.71	179.55	10,945.45	-7,387.62	-1,356.82	7,510.52	0.00	0.00	0.00
18,400.00	91.71	179.55	10,942.46	-7,487.58	-1,356.03	7,608.93	0.00	0.00	0.00
18,500.00	91.71	179.55	10,939.47	-7,587.53	-1,355.25	7,707.33	0.00	0.00	0.00
18,600.00	91.71	179.55	10,936.48	-7,687.48	-1,354.46	7,805.74	0.00	0.00	0.00
18,649.65	91.71	179.55	10,935.00	-7,737.11	-1,354.07	7,854.60	0.00	0.00	0.00
Build 4.16°/100'									
18,700.00	93.81	179.55	10,932.58	-7,787.39	-1,353.67	7,904.11	4.16	4.16	0.00
18,800.00	97.97	179.55	10,922.32	-7,886.84	-1,352.90	8,002.03	4.16	4.16	0.00
18,866.33	100.72	179.55	10,911.55	-7,952.28	-1,352.38	8,066.46	4.16	4.16	0.00
8.34' Hold									
18,874.67	100.72	179.55	10,910.00	-7,960.48	-1,352.32	8,074.53	0.00	0.00	0.00
TD at 18874.67									



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 #3		

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 #3		

Design Targets									
Target Name									
- hit/miss target	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- Shape	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
BLUS 207H LP P3	0.00	0.00	10,685.00	-240.52	-1,412.95	454,244.15	752,510.34	32.246194	-103.516592
- plan hits target center									
- Point									
BLUS 207H WP 1	0.00	0.00	10,735.00	-740.29	-1,409.02	453,744.38	752,514.27	32.244821	-103.516592
- plan hits target center									
- Point									
BLUS 207H WP 2	0.00	0.00	10,785.00	-1,240.06	-1,405.10	453,244.61	752,518.19	32.243447	-103.516592
- plan misses target center by 0.01usft at 12147.74usft MD (10785.00 TVD, -1240.06 N, -1405.09 E)									
- Point									
BLUS 207H WP 3	0.00	0.00	10,820.00	-1,739.84	-1,401.17	452,744.83	752,522.12	32.242073	-103.516591
- plan hits target center									
- Point									
BLUS 207H WP 4	0.00	0.00	10,840.00	-2,239.61	-1,397.25	452,245.06	752,526.04	32.240699	-103.516591
- plan hits target center									
- Point									
BLUS 207H WP 5	0.00	0.00	10,865.00	-2,739.38	-1,393.32	451,745.29	752,529.97	32.239325	-103.516590
- plan hits target center									
- Point									
BLUS 207H WP 7	0.00	0.00	10,875.00	-3,738.93	-1,385.47	450,745.74	752,537.82	32.236578	-103.516589
- plan hits target center									
- Point									
BLUS 207H WP 6	0.00	0.00	10,875.00	-3,239.15	-1,389.40	451,245.52	752,533.89	32.237952	-103.516590
- plan hits target center									
- Point									
BLUS 207H WP 8	0.00	0.00	10,885.00	-4,238.70	-1,381.55	450,245.97	752,541.74	32.235204	-103.516589
- plan hits target center									
- Point									
BLUS 207H WP 9	0.00	0.00	10,895.00	-4,738.47	-1,377.62	449,746.20	752,545.67	32.233830	-103.516589
- plan hits target center									
- Point									
BLUS 207H PBHL P3	0.00	0.00	10,910.00	-7,960.48	-1,352.32	446,524.19	752,570.97	32.224973	-103.516586
- plan hits target center									
- Point									
BLUS 207H WP 10	0.00	0.00	10,915.00	-5,238.24	-1,373.70	449,246.43	752,549.59	32.232456	-103.516588
- plan hits target center									
- Point									
BLUS 207H WP 15	0.00	0.00	10,935.00	-7,737.11	-1,354.07	446,747.56	752,569.22	32.225587	-103.516586
- plan hits target center									
- Point									
BLUS 207H WP 11	0.00	0.01	10,945.00	-5,738.02	-1,369.77	448,746.65	752,553.52	32.231082	-103.516588
- plan hits target center									
- Point									
BLUS 207H WP 14	0.00	0.00	10,950.00	-7,237.33	-1,358.00	447,247.34	752,565.29	32.226961	-103.516587
- plan hits target center									
- Point									
BLUS 207H WP 12	0.00	0.00	10,960.00	-6,237.79	-1,365.85	448,246.88	752,557.44	32.229709	-103.516587
- plan hits target center									
- Point									
BLUS 207H WP 13	0.00	0.00	10,965.00	-6,737.56	-1,361.92	447,747.11	752,561.37	32.228335	-103.516587
- plan hits target center									
- Point									

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 #3		

Casing Points					
Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")	
1,500.00	1,499.91	13 3/8"	13-3/8	17-1/2	
5,200.00	5,089.23	9 5/8"	9-5/8	12-1/4	

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
5,219.00	5,107.55	211.12	-853.71	Turn/ Build 2°/100'	
5,324.13	5,208.80	216.06	-881.58	1566' Hold	
6,890.42	6,715.16	263.31	-1,308.07	Drop 2°/100'	
7,685.43	7,500.00	275.39	-1,417.01	2614' Hold	
10,300.31	10,114.88	275.39	-1,417.01	Build 10°/100'	
11,143.18	10,685.00	-240.52	-1,412.95	502' Hold	
11,645.46	10,735.00	-740.29	-1,409.02	502' Hold	
12,147.74	10,785.00	-1,240.06	-1,405.09	Build 2°/100'	
12,241.96	10,792.84	-1,333.94	-1,404.36	406' Hold	
12,648.78	10,820.00	-1,739.84	-1,401.17	Build 2°/100'	
12,732.66	10,824.38	-1,823.60	-1,400.51	416' Hold	
13,148.97	10,840.00	-2,239.61	-1,397.25	Drop 2°/100'	
13,185.98	10,841.63	-2,276.58	-1,396.96	463' Hold	
13,649.38	10,865.00	-2,739.38	-1,393.32	Build 2°/100'	
13,745.95	10,868.24	-2,835.88	-1,392.56	403' Hold	
14,149.29	10,875.00	-3,239.15	-1,389.40	Build 2°/100'	
14,199.83	10,875.40	-3,289.69	-1,389.00	449' Hold	
14,649.08	10,875.00	-3,738.93	-1,385.47	Drop 2°/100'	
14,713.04	10,875.66	-3,802.88	-1,384.97	435' Hold	
15,148.97	10,885.00	-4,238.70	-1,381.55	Build 2°/100'	
15,153.08	10,885.09	-4,242.81	-1,381.52	495' Hold	
15,648.86	10,895.00	-4,738.47	-1,377.62	Drop 2°/100'	
15,709.86	10,896.87	-4,799.44	-1,377.14	439' Hold	
16,149.05	10,915.00	-5,238.24	-1,373.70	Drop 2°/100'	
16,205.71	10,917.90	-5,294.82	-1,373.26	444' Hold	
16,649.75	10,945.00	-5,738.02	-1,369.77	Build 2°/100'	
16,748.50	10,949.33	-5,836.67	-1,369.00	401' Hold	
17,149.77	10,960.00	-6,237.79	-1,365.85	Build 2°/100'	
17,199.82	10,960.89	-6,287.83	-1,365.46	449' Hold	
17,649.59	10,965.00	-6,737.56	-1,361.92	Build 2°/100'	
17,778.25	10,963.29	-6,866.20	-1,360.91	371' Hold	
18,149.63	10,950.00	-7,237.33	-1,358.00	Drop 2°/100'	
18,166.47	10,949.45	-7,254.16	-1,357.87	483' Hold	
18,649.65	10,935.00	-7,737.11	-1,354.07	Build 4.16°/100'	
18,866.33	10,911.55	-7,952.28	-1,352.38	8.34' Hold	
18,874.67	10,910.00	-7,960.48	-1,352.32	TD at 18874.67	

Kaiser-Francis Oil Company

Kaiser-Francis Oil Company

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

OH
Plan #3

Anticollision Report

23 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 #3	Offset TVD Reference:	Offset Datum

Reference	Plan #3		
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	1/23/2021		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
225.00	5,152.00	MWD Survey (OH)	MWD+HDGM	OWSG MWD + HDGM	
5,152.00	18,874.67	Plan #3 (OH)	MWD+HDGM	OWSG MWD + HDGM	

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
Bell Lake Offsets						
Bell Lake Unit 1 #004 - OH - OH	1,464.05	1,440.98	681.08	618.67	10.914	CC
Bell Lake Unit 1 #004 - OH - OH	1,837.00	1,812.52	687.25	608.67	8.746	ES
Bell Lake Unit 1 #004 - OH - OH	10,700.00	10,459.94	1,893.44	1,447.62	4.247	SF
Bell Lake Unit 8 - OH - OH	15,673.56	10,871.60	522.74	12.97	1.025	Collision Avoidance Req., CC
BLUS 121H - OH - OH						Out of range
Bell Lake Unit South						
Bell Lake Unit South 208H - OH - OH	1,661.29	1,660.89	3.38	-7.48	0.311	No-Go Zone - Stop Drilling, (
Bell Lake Unit South 208H - OH - Plan #2	1,607.51	1,607.25	7.22	-3.59	0.668	No-Go Zone - Stop Drilling, (
Bell Lake Unit South 408H - OH - OH	1,276.48	1,276.54	31.27	23.14	3.846	CC, ES, SF
Bell Lake Unit South 408H - OH - Plan #4	1,774.26	1,773.71	23.81	11.83	1.987	Collision Risk Procedures Re
Bell Lake Unit South 408H - OH - Plan #4	1,837.00	1,836.51	24.16	11.74	1.945	Collision Risk Procedures Re

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	Vertical	Offset	Semi Major Axis	Offset	Highside	Offset Wellbore Centre	Distance	Between	Between	Minimum	Separation	Warning
Measured Depth (usft)	Depth (usft)	Depth (usft)	Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Centres (usft)	Ellipses (usft)	Separation (usft)	
0.00	0.00	0.00	0.00	0.00	0.00	39.23	534.36	436.29	690.23			
225.00	225.00	202.00	202.00	0.36	8.08	18.18	534.36	436.29	688.95	680.51	8.44	81.604
421.00	420.99	397.99	397.99	1.06	15.92	9.38	534.36	436.29	687.36	670.38	16.98	40.470
609.00	608.98	585.98	585.98	1.74	23.44	-3.51	534.36	436.29	685.37	660.19	25.18	27.222
796.00	795.97	772.97	772.97	2.41	30.92	34.95	534.36	436.29	683.32	650.00	33.33	20.505
984.00	983.96	960.96	960.96	3.07	38.44	79.78	534.36	436.29	682.31	640.80	41.51	16.438
1,173.00	1,172.95	1,149.95	1,149.95	3.74	46.00	9.54	534.36	436.29	681.72	631.98	49.74	13.706
1,290.00	1,289.95	1,266.95	1,266.95	4.15	50.68	-64.02	534.36	436.29	681.31	626.48	54.83	12.426
1,362.00	1,361.95	1,338.95	1,338.95	4.40	53.56	49.51	534.36	436.29	681.16	623.20	57.96	11.752
1,457.00	1,456.94	1,433.94	1,433.94	4.74	57.36	89.07	534.36	436.29	681.08	618.98	62.10	10.968
1,464.05	1,463.98	1,440.98	1,440.98	4.76	57.64	90.00	534.36	436.29	681.08	618.67	62.40	10.914 CC
1,552.00	1,551.85	1,528.85	1,528.85	5.07	61.15	95.96	534.36	436.29	681.33	615.10	66.22	10.288
1,647.00	1,646.63	1,623.63	1,623.63	5.41	64.95	99.14	534.36	436.29	682.20	611.85	70.35	9.697
1,742.00	1,741.21	1,718.21	1,718.21	5.74	68.73	103.54	534.36	436.29	684.00	609.52	74.47	9.185
1,837.00	1,835.52	1,812.52	1,812.52	6.08	72.50	108.67	534.36	436.29	687.25	608.67	78.58	8.746 ES

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 #3	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)			
1,932.00	1,929.44	1,906.44	1,906.44	6.43	76.26	112.69	534.36	436.29	692.36	609.67	82.69	8.373	
2,027.00	2,022.96	1,999.96	1,999.96	6.79	80.00	118.58	534.36	436.29	699.72	612.94	86.78	8.063	
2,122.00	2,116.05	2,093.05	2,093.05	7.15	83.72	122.03	534.36	436.29	709.44	618.58	90.86	7.808	
2,217.00	2,208.62	2,185.62	2,185.62	7.53	87.42	123.49	534.36	436.29	721.20	626.28	94.93	7.597	
2,312.00	2,300.88	2,277.88	2,277.88	7.92	91.12	126.47	534.36	436.29	734.45	635.46	98.99	7.420	
2,407.00	2,392.93	2,369.93	2,369.93	8.32	94.80	126.49	534.36	436.29	748.69	645.65	103.04	7.266	
2,502.00	2,484.87	2,461.87	2,461.87	8.73	98.48	127.79	534.36	436.29	763.42	656.32	107.10	7.128	
2,597.00	2,577.07	2,554.07	2,554.07	9.14	102.16	129.50	534.36	436.29	777.98	666.82	111.16	6.999	
2,692.00	2,669.19	2,646.19	2,646.19	9.56	105.85	132.28	534.36	436.29	793.46	678.23	115.22	6.886	
2,787.00	2,761.00	2,738.00	2,738.00	9.99	109.52	133.85	534.36	436.29	810.41	691.13	119.28	6.794	
2,882.00	2,852.85	2,829.85	2,829.85	10.43	113.19	135.69	534.36	436.29	827.80	704.47	123.33	6.712	
2,977.00	2,944.74	2,921.74	2,921.74	10.87	116.87	137.11	534.36	436.29	845.52	718.14	127.38	6.638	
3,072.00	3,036.51	3,013.51	3,013.51	11.31	120.54	133.17	534.36	436.29	863.22	731.79	131.43	6.568	
3,167.00	3,128.27	3,105.27	3,105.27	11.76	124.21	135.36	534.36	436.29	880.69	745.21	135.48	6.500	
3,262.00	3,220.08	3,197.08	3,197.08	12.22	127.88	136.00	534.36	436.29	898.43	758.90	139.53	6.439	
3,357.00	3,311.76	3,288.76	3,288.76	12.67	131.55	138.24	534.36	436.29	917.00	773.41	143.58	6.387	
3,452.00	3,403.32	3,380.32	3,380.32	13.14	135.21	140.09	534.36	436.29	936.45	788.83	147.62	6.344	
3,547.00	3,495.00	3,472.00	3,472.00	13.60	138.88	140.25	534.36	436.29	955.86	804.19	151.67	6.302	
3,642.00	3,586.87	3,563.87	3,563.87	14.06	142.55	141.42	534.36	436.29	974.85	819.13	155.72	6.260	
3,737.00	3,678.84	3,655.84	3,655.84	14.52	146.23	141.67	534.36	436.29	993.70	833.93	159.77	6.220	
3,832.00	3,770.66	3,747.66	3,747.66	14.99	149.91	140.98	534.36	436.29	1,012.98	849.17	163.82	6.184	
3,926.00	3,861.51	3,838.51	3,838.51	15.45	153.54	143.13	534.36	436.29	1,032.27	864.45	167.82	6.151	
4,021.00	3,953.41	3,930.41	3,930.41	15.91	157.22	145.43	534.36	436.29	1,052.01	880.14	171.87	6.121	
4,116.00	4,045.05	4,022.05	4,022.05	16.39	160.88	146.34	534.36	436.29	1,072.96	897.06	175.90	6.100	
4,211.00	4,136.50	4,113.50	4,113.50	16.87	164.54	147.64	534.36	436.29	1,094.78	914.84	179.93	6.084	
4,306.00	4,227.78	4,204.78	4,204.78	17.36	168.19	148.95	534.36	436.29	1,117.41	933.46	183.96	6.074	
4,401.00	4,318.73	4,295.73	4,295.73	17.85	171.83	149.55	534.36	436.29	1,141.27	953.31	187.97	6.072	
4,496.00	4,409.75	4,386.75	4,386.75	18.35	175.47	152.02	534.36	436.29	1,165.24	973.26	191.98	6.070	
4,591.00	4,501.22	4,478.22	4,478.22	18.84	179.13	153.88	534.36	436.29	1,188.25	992.24	196.00	6.062	
4,686.00	4,592.94	4,569.94	4,569.94	19.32	182.80	149.42	534.36	436.29	1,210.20	1,010.16	200.04	6.050	
4,781.00	4,684.49	4,661.49	4,661.49	19.80	186.46	145.99	534.36	436.29	1,231.84	1,027.78	204.07	6.036	
4,876.00	4,775.97	4,752.97	4,752.97	20.29	190.12	147.46	534.36	436.29	1,253.49	1,045.40	208.10	6.024	
4,971.00	4,867.84	4,844.84	4,844.84	20.76	193.79	150.46	534.36	436.29	1,274.39	1,062.25	212.14	6.007	
5,066.00	4,959.87	4,936.87	4,936.87	21.23	197.48	148.62	534.36	436.29	1,294.85	1,078.66	216.19	5.990	
5,152.00	5,042.95	5,019.95	5,019.95	21.67	200.80	150.79	534.36	436.29	1,314.22	1,094.38	219.84	5.978	
5,200.00	5,089.23	5,066.23	5,066.23	21.83	202.65	151.05	534.36	436.29	1,325.43	1,103.60	221.83	5.975	
5,219.00	5,107.55	5,084.55	5,084.55	21.86	203.38	151.16	534.36	436.29	1,329.88	1,107.32	222.56	5.975	
5,300.00	5,185.58	5,162.58	5,162.58	21.99	206.50	157.54	534.36	436.29	1,349.61	1,123.91	225.70	5.980	
5,324.13	5,208.80	5,185.80	5,185.80	22.04	207.43	159.37	534.36	436.29	1,355.76	1,129.12	226.64	5.982	
5,400.00	5,281.76	5,258.76	5,258.76	22.17	210.35	159.68	534.36	436.29	1,375.32	1,145.74	229.58	5.991	
5,500.00	5,377.94	5,354.94	5,354.94	22.36	214.20	160.06	534.36	436.29	1,401.16	1,167.70	233.46	6.002	
5,600.00	5,474.11	5,451.11	5,451.11	22.56	218.04	160.44	534.36	436.29	1,427.06	1,189.71	237.35	6.012	
5,700.00	5,570.28	5,547.28	5,547.28	22.78	221.89	160.80	534.36	436.29	1,453.01	1,211.76	241.25	6.023	
5,800.00	5,666.46	5,643.46	5,643.46	23.00	225.74	161.14	534.36	436.29	1,479.01	1,233.86	245.15	6.033	
5,900.00	5,762.63	5,739.63	5,739.63	23.23	229.59	161.48	534.36	436.29	1,505.06	1,255.99	249.07	6.043	
6,000.00	5,858.81	5,835.81	5,835.81	23.48	233.43	161.80	534.36	436.29	1,531.16	1,278.17	252.99	6.052	
6,100.00	5,954.98	5,931.98	5,931.98	23.73	237.28	162.12	534.36	436.29	1,557.31	1,300.39	256.92	6.061	
6,200.00	6,051.15	6,028.15	6,028.15	23.99	241.13	162.42	534.36	436.29	1,583.49	1,322.64	260.85	6.070	
6,300.00	6,147.33	6,124.33	6,124.33	24.26	244.97	162.72	534.36	436.29	1,609.72	1,344.92	264.80	6.079	
6,400.00	6,243.50	6,220.50	6,220.50	24.54	248.82	163.00	534.36	436.29	1,635.98	1,367.24	268.75	6.087	
6,500.00	6,339.68	6,316.68	6,316.68	24.83	252.67	163.27	534.36	436.29	1,662.29	1,389.58	272.71	6.095	
6,600.00	6,435.85	6,412.85	6,412.85	25.12	256.51	163.54	534.36	436.29	1,688.62	1,411.95	276.67	6.103	

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 #3	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)			
6,700.00	6,532.03	6,509.03	6,509.03	25.43	260.36	163.80	534.36	436.29	1,714.99	1,434.35	280.64	6.111	
6,800.00	6,628.20	6,605.20	6,605.20	25.74	264.21	164.05	534.36	436.29	1,741.39	1,456.77	284.62	6.118	
6,890.42	6,715.16	6,692.16	6,692.16	26.03	267.69	164.27	534.36	436.29	1,765.29	1,477.06	288.23	6.125	
6,900.00	6,724.38	6,701.38	6,701.38	26.06	268.06	164.31	534.36	436.29	1,767.81	1,479.20	288.61	6.125	
7,000.00	6,821.10	6,798.10	6,798.10	26.37	271.92	164.66	534.36	436.29	1,792.33	1,499.71	292.62	6.125	
7,100.00	6,918.64	6,895.64	6,895.64	26.65	275.83	164.96	534.36	436.29	1,813.60	1,516.93	296.66	6.113	
7,200.00	7,016.89	6,993.89	6,993.89	26.91	279.76	165.20	534.36	436.29	1,831.57	1,530.83	300.74	6.090	
7,300.00	7,115.74	7,092.74	7,092.74	27.13	283.71	165.40	534.36	436.29	1,846.23	1,541.39	304.83	6.056	
7,400.00	7,215.05	7,192.05	7,192.05	27.34	287.68	165.55	534.36	436.29	1,857.54	1,548.59	308.95	6.012	
7,500.00	7,314.70	7,291.70	7,291.70	27.51	291.67	165.65	534.36	436.29	1,865.49	1,552.41	313.08	5.959	
7,600.00	7,414.59	7,391.59	7,391.59	27.66	295.66	165.71	534.36	436.29	1,870.07	1,552.85	317.22	5.895	
7,685.43	7,500.00	7,477.00	7,477.00	27.76	299.08	82.05	534.36	436.29	1,871.30	1,550.55	320.75	5.834	
7,700.00	7,514.57	7,491.57	7,491.57	27.78	299.66	82.05	534.36	436.29	1,871.30	1,549.95	321.35	5.823	
7,800.00	7,614.57	7,591.57	7,591.57	27.89	303.66	82.05	534.36	436.29	1,871.30	1,545.81	325.49	5.749	
7,900.00	7,714.57	7,691.57	7,691.57	28.01	307.66	82.05	534.36	436.29	1,871.30	1,541.67	329.63	5.677	
8,000.00	7,814.57	7,791.57	7,791.57	28.13	311.66	82.05	534.36	436.29	1,871.30	1,537.52	333.78	5.606	
8,100.00	7,914.57	7,891.57	7,891.57	28.25	315.66	82.05	534.36	436.29	1,871.30	1,533.37	337.93	5.538	
8,200.00	8,014.57	7,991.57	7,991.57	28.38	319.66	82.05	534.36	436.29	1,871.30	1,529.22	342.09	5.470	
8,300.00	8,114.57	8,091.57	8,091.57	28.51	323.66	82.05	534.36	436.29	1,871.30	1,525.05	346.25	5.405	
8,400.00	8,214.57	8,191.57	8,191.57	28.65	327.66	82.05	534.36	436.29	1,871.30	1,520.89	350.41	5.340	
8,500.00	8,314.57	8,291.57	8,291.57	28.79	331.66	82.05	534.36	436.29	1,871.30	1,516.72	354.58	5.277	
8,600.00	8,414.57	8,391.57	8,391.57	28.93	335.66	82.05	534.36	436.29	1,871.30	1,512.54	358.76	5.216	
8,700.00	8,514.57	8,491.57	8,491.57	29.08	339.66	82.05	534.36	436.29	1,871.30	1,508.37	362.94	5.156	
8,800.00	8,614.57	8,591.57	8,591.57	29.23	343.66	82.05	534.36	436.29	1,871.30	1,504.18	367.12	5.097	
8,900.00	8,714.57	8,691.57	8,691.57	29.39	347.66	82.05	534.36	436.29	1,871.30	1,500.00	371.31	5.040	
9,000.00	8,814.57	8,791.57	8,791.57	29.54	351.66	82.05	534.36	436.29	1,871.30	1,495.81	375.50	4.984	
9,100.00	8,914.57	8,891.57	8,891.57	29.71	355.66	82.05	534.36	436.29	1,871.30	1,491.61	379.69	4.928	
9,200.00	9,014.57	8,991.57	8,991.57	29.87	359.66	82.05	534.36	436.29	1,871.30	1,487.41	383.89	4.875	
9,300.00	9,114.57	9,091.57	9,091.57	30.04	363.66	82.05	534.36	436.29	1,871.30	1,483.21	388.09	4.822	
9,400.00	9,214.57	9,191.57	9,191.57	30.21	367.66	82.05	534.36	436.29	1,871.30	1,479.01	392.30	4.770	
9,500.00	9,314.57	9,291.57	9,291.57	30.39	371.66	82.05	534.36	436.29	1,871.30	1,474.80	396.51	4.719	
9,600.00	9,414.57	9,391.57	9,391.57	30.57	375.66	82.05	534.36	436.29	1,871.30	1,470.59	400.72	4.670	
9,700.00	9,514.57	9,491.57	9,491.57	30.75	379.66	82.05	534.36	436.29	1,871.30	1,466.37	404.93	4.621	
9,800.00	9,614.57	9,591.57	9,591.57	30.93	383.66	82.05	534.36	436.29	1,871.30	1,462.15	409.15	4.574	
9,900.00	9,714.57	9,691.57	9,691.57	31.12	387.66	82.05	534.36	436.29	1,871.30	1,457.93	413.37	4.527	
10,000.00	9,814.57	9,791.57	9,791.57	31.31	391.66	82.05	534.36	436.29	1,871.30	1,453.70	417.60	4.481	
10,100.00	9,914.57	9,891.57	9,891.57	31.50	395.66	82.05	534.36	436.29	1,871.30	1,449.48	421.83	4.436	
10,200.00	10,014.57	9,991.57	9,991.57	31.70	399.66	82.05	534.36	436.29	1,871.30	1,445.25	426.06	4.392	
10,300.31	10,114.89	10,091.89	10,091.89	31.89	403.68	82.05	534.36	436.29	1,871.30	1,441.01	430.30	4.349	
10,350.00	10,164.51	10,141.51	10,141.51	31.98	405.66	-97.54	534.36	436.29	1,871.59	1,439.19	432.39	4.328	
10,400.00	10,214.07	10,191.07	10,191.07	32.07	407.64	-97.65	534.36	436.29	1,872.45	1,437.97	434.48	4.310	
10,450.00	10,262.88	10,239.88	10,239.88	32.15	409.60	-97.82	534.36	436.29	1,873.94	1,437.40	436.54	4.293	
10,500.00	10,310.56	10,287.56	10,287.56	32.23	411.50	-98.04	534.36	436.29	1,876.11	1,437.57	438.55	4.278	
10,550.00	10,356.75	10,333.75	10,333.75	32.29	413.35	-98.28	534.36	436.29	1,879.05	1,438.55	440.49	4.266	
10,600.00	10,401.10	10,378.10	10,378.10	32.36	415.12	-98.52	534.36	436.29	1,882.84	1,440.48	442.36	4.256	
10,650.00	10,443.27	10,420.27	10,420.27	32.41	416.81	-98.73	534.36	436.29	1,887.60	1,443.46	444.14	4.250	
10,700.00	10,482.94	10,459.94	10,459.94	32.46	418.40	-98.88	534.36	436.29	1,893.44	1,447.62	445.82	4.247 SF	
10,750.00	10,519.81	10,496.81	10,496.81	32.51	419.87	-98.93	534.36	436.29	1,900.47	1,453.08	447.38	4.248	
10,800.00	10,553.60	10,530.60	10,530.60	32.55	421.22	-98.84	534.36	436.29	1,908.79	1,459.97	448.82	4.253	
10,850.00	10,584.05	10,561.05	10,561.05	32.58	422.44	-98.59	534.36	436.29	1,918.50	1,468.38	450.12	4.262	
10,900.00	10,610.93	10,587.93	10,587.93	32.62	423.52	-98.15	534.36	436.29	1,929.66	1,478.38	451.28	4.276	
10,950.00	10,634.03	10,611.03	10,611.03	32.65	424.44	-97.47	534.36	436.29	1,942.31	1,490.04	452.28	4.295	

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 #3	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			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	
11,000.00	10,653.19	10,630.19	10,630.19	32.68	425.21	-96.54	534.36	436.29	1,956.48	1,503.36	453.11	4.318	
11,050.00	10,668.24	10,645.24	10,645.24	32.71	425.81	-95.34	534.36	436.29	1,972.13	1,518.34	453.78	4.346	
11,100.00	10,679.09	10,656.09	10,656.09	32.74	426.24	-93.85	534.36	436.29	1,989.20	1,534.92	454.28	4.379	
11,143.18	10,685.00	10,662.00	10,662.00	32.77	426.48	-92.34	534.36	436.29	2,005.02	1,550.46	454.56	4.411	
11,200.00	10,690.66	10,667.66	10,667.66	32.83	426.71	-92.51	534.36	436.29	2,027.14	1,572.29	454.85	4.457	
11,300.00	10,700.61	10,677.61	10,677.61	32.96	427.10	-92.81	534.36	436.29	2,069.24	1,613.87	455.37	4.544	
11,400.00	10,710.57	10,687.57	10,687.57	33.14	427.50	-93.12	534.36	436.29	2,115.19	1,659.29	455.89	4.640	
11,500.00	10,720.52	10,697.52	10,697.52	33.38	427.90	-93.42	534.36	436.29	2,164.73	1,708.30	456.43	4.743	
11,600.00	10,730.47	10,707.47	10,707.47	33.68	428.30	-93.73	534.36	436.29	2,217.64	1,760.67	456.97	4.853	
11,645.46	10,735.00	10,712.00	10,712.00	33.84	428.48	-93.87	534.36	436.29	2,242.74	1,785.52	457.22	4.905	
11,700.00	10,740.43	10,717.43	10,717.43	34.04	428.70	-94.03	534.36	436.29	2,273.68	1,816.16	457.52	4.970	
11,800.00	10,750.38	10,727.38	10,727.38	34.48	429.10	-94.34	534.36	436.29	2,332.61	1,874.54	458.07	5.092	
11,900.00	10,760.34	10,737.34	10,737.34	34.98	429.49	-94.64	534.36	436.29	2,394.23	1,935.61	458.62	5.221	
12,000.00	10,770.29	10,747.29	10,747.29	35.55	429.89	-94.95	534.36	436.29	2,458.33	1,999.17	459.17	5.354	
12,100.00	10,780.25	10,757.25	10,757.25	36.18	430.29	-95.25	534.36	436.29	2,524.73	2,065.02	459.72	5.492	
12,147.74	10,785.00	10,762.00	10,762.00	36.50	430.48	-95.39	534.36	436.29	2,557.20	2,097.23	459.97	5.559	
12,200.00	10,789.73	10,766.73	10,766.73	36.87	430.67	-94.54	534.36	436.29	2,593.29	2,133.05	460.24	5.635	
12,241.96	10,792.84	10,769.84	10,769.84	37.17	430.79	-93.82	534.36	436.29	2,622.70	2,162.28	460.42	5.696	
12,300.00	10,796.71	10,773.71	10,773.71	37.61	430.95	-93.94	534.36	436.29	2,663.95	2,203.29	460.65	5.783	
12,400.00	10,803.39	10,780.39	10,780.39	38.40	431.22	-94.14	534.36	436.29	2,736.43	2,275.37	461.06	5.935	
12,500.00	10,810.07	10,787.07	10,787.07	39.23	431.48	-94.35	534.36	436.29	2,810.59	2,349.13	461.45	6.091	
12,600.00	10,816.74	10,793.74	10,793.74	40.10	431.75	-94.55	534.36	436.29	2,886.29	2,424.44	461.85	6.249	
12,648.78	10,820.00	10,797.00	10,797.00	40.54	431.88	-94.65	534.36	436.29	2,923.74	2,461.70	462.04	6.328	
12,700.00	10,822.96	10,799.96	10,799.96	41.01	432.00	-93.49	534.36	436.29	2,963.44	2,501.22	462.22	6.411	
12,732.66	10,824.38	10,801.38	10,801.38	41.32	432.06	-92.71	534.36	436.29	2,988.95	2,526.64	462.31	6.465	
12,800.00	10,826.90	10,803.90	10,803.90	41.95	432.16	-92.79	534.36	436.29	3,042.00	2,579.50	462.49	6.577	
12,900.00	10,830.66	10,807.66	10,807.66	42.93	432.31	-92.91	534.36	436.29	3,121.79	2,659.03	462.75	6.746	
13,000.00	10,834.41	10,811.41	10,811.41	43.92	432.46	-93.02	534.36	436.29	3,202.71	2,739.69	463.01	6.917	
13,100.00	10,838.16	10,815.16	10,815.16	44.95	432.61	-93.14	534.36	436.29	3,284.67	2,821.40	463.27	7.090	
13,148.97	10,840.00	10,817.00	10,817.00	45.46	432.68	-93.20	534.36	436.29	3,325.17	2,861.78	463.40	7.176	
13,185.98	10,841.63	10,818.63	10,818.63	45.85	432.75	-94.35	534.36	436.29	3,355.91	2,892.41	463.50	7.240	
13,200.00	10,842.34	10,819.34	10,819.34	46.00	432.77	-94.37	534.36	436.29	3,367.59	2,904.05	463.54	7.265	
13,300.00	10,847.38	10,824.38	10,824.38	47.07	432.98	-94.52	534.36	436.29	3,451.38	2,987.53	463.85	7.441	
13,400.00	10,852.42	10,829.42	10,829.42	48.16	433.18	-94.68	534.36	436.29	3,536.00	3,071.85	464.15	7.618	
13,500.00	10,857.47	10,834.47	10,834.47	49.27	433.38	-94.83	534.36	436.29	3,621.40	3,156.95	464.46	7.797	
13,600.00	10,862.51	10,839.51	10,839.51	50.40	433.58	-94.99	534.36	436.29	3,707.53	3,242.77	464.76	7.977	
13,649.39	10,865.00	10,842.00	10,842.00	50.96	433.68	-95.06	534.36	436.29	3,750.31	3,285.41	464.91	8.067	
13,700.00	10,867.11	10,844.11	10,844.11	51.54	433.76	-93.35	534.36	436.29	3,794.34	3,329.30	465.04	8.159	
13,745.95	10,868.24	10,845.24	10,845.24	52.07	433.81	-91.74	534.36	436.29	3,834.48	3,369.35	465.13	8.244	
13,800.00	10,869.15	10,846.15	10,846.15	52.70	433.85	-91.76	534.36	436.29	3,881.86	3,416.65	465.21	8.344	
13,900.00	10,870.82	10,847.82	10,847.82	53.87	433.91	-91.82	534.36	436.29	3,969.98	3,504.61	465.36	8.531	
14,000.00	10,872.50	10,849.50	10,849.50	55.05	433.98	-91.87	534.36	436.29	4,058.64	3,593.13	465.52	8.719	
14,100.00	10,874.17	10,851.17	10,851.17	56.25	434.05	-91.92	534.36	436.29	4,147.82	3,682.15	465.67	8.907	
14,149.29	10,875.00	10,852.00	10,852.00	56.84	434.08	-91.94	534.36	436.29	4,191.96	3,726.21	465.75	9.001	
14,199.83	10,875.40	10,852.40	10,852.40	57.45	434.10	-89.90	534.36	436.29	4,237.34	3,771.53	465.80	9.097	
14,300.00	10,875.31	10,852.31	10,852.31	58.67	434.09	-89.89	534.36	436.29	4,327.62	3,861.74	465.88	9.289	
14,400.00	10,875.22	10,852.22	10,852.22	59.89	434.09	-89.89	534.36	436.29	4,418.17	3,952.21	465.96	9.482	
14,500.00	10,875.13	10,852.13	10,852.13	61.13	434.09	-89.89	534.36	436.29	4,509.12	4,043.09	466.03	9.676	
14,600.00	10,875.04	10,852.04	10,852.04	62.37	434.08	-89.88	534.36	436.29	4,600.45	4,134.34	466.11	9.870	
14,649.08	10,875.00	10,852.00	10,852.00	62.98	434.08	-89.88	534.36	436.29	4,645.41	4,179.26	466.15	9.966	

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 #3	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		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		
11,143.18	10,685.00	10,661.00	10,661.00	32.77	426.44	-49.26	-4,759.06	-854.70	4,552.89	4,093.68	459.21	9.915			
11,200.00	10,690.66	10,666.66	10,666.66	32.83	426.67	-49.62	-4,759.06	-854.70	4,496.74	4,037.25	459.49	9.786			
11,300.00	10,700.61	10,676.61	10,676.61	32.96	427.06	-50.25	-4,759.06	-854.70	4,397.92	3,937.95	459.98	9.561			
11,400.00	10,710.57	10,686.57	10,686.57	33.14	427.46	-50.90	-4,759.06	-854.70	4,299.14	3,838.67	460.47	9.336			
11,500.00	10,720.52	10,696.52	10,696.52	33.38	427.86	-51.56	-4,759.06	-854.70	4,200.40	3,739.43	460.97	9.112			
11,600.00	10,730.47	10,706.47	10,706.47	33.68	428.26	-52.23	-4,759.06	-854.70	4,101.68	3,640.21	461.47	8.888			
11,645.46	10,735.00	10,711.00	10,711.00	33.84	428.44	-52.54	-4,759.06	-854.70	4,056.82	3,595.12	461.70	8.787			
11,700.00	10,740.43	10,716.43	10,716.43	34.04	428.66	-52.92	-4,759.06	-854.70	4,003.01	3,541.03	461.98	8.665			
11,800.00	10,750.38	10,726.38	10,726.38	34.48	429.06	-53.61	-4,759.06	-854.70	3,904.38	3,441.88	462.50	8.442			
11,900.00	10,760.34	10,736.34	10,736.34	34.98	429.45	-54.32	-4,759.06	-854.70	3,805.80	3,342.77	463.03	8.219			
12,000.00	10,770.29	10,746.29	10,746.29	35.55	429.85	-55.05	-4,759.06	-854.70	3,707.26	3,243.70	463.56	7.997			
12,100.00	10,780.25	10,756.25	10,756.25	36.18	430.25	-55.78	-4,759.06	-854.70	3,608.78	3,144.67	464.11	7.776			
12,147.74	10,785.00	10,761.00	10,761.00	36.50	430.44	-56.14	-4,759.06	-854.70	3,561.78	3,097.41	464.37	7.670			
12,200.00	10,789.73	10,765.73	10,765.73	36.87	430.63	-61.61	-4,759.06	-854.70	3,510.31	3,045.67	464.64	7.555			
12,241.96	10,792.84	10,768.84	10,768.84	37.17	430.75	-66.34	-4,759.06	-854.70	3,468.94	3,004.11	464.83	7.463			
12,300.00	10,796.71	10,772.71	10,772.71	37.61	430.91	-66.70	-4,759.06	-854.70	3,411.70	2,946.62	465.08	7.336			
12,400.00	10,803.39	10,779.39	10,779.39	38.40	431.18	-67.32	-4,759.06	-854.70	3,313.14	2,847.61	465.53	7.117			
12,500.00	10,810.07	10,786.07	10,786.07	39.23	431.44	-67.94	-4,759.06	-854.70	3,214.65	2,748.67	465.98	6.899			
12,600.00	10,816.74	10,792.74	10,792.74	40.10	431.71	-68.57	-4,759.06	-854.70	3,116.24	2,649.80	466.45	6.681			
12,648.78	10,820.00	10,796.00	10,796.00	40.54	431.84	-68.88	-4,759.06	-854.70	3,068.28	2,601.60	466.68	6.575			
12,700.00	10,822.96	10,798.96	10,798.96	41.01	431.96	-74.46	-4,759.06	-854.70	3,017.90	2,550.99	466.91	6.464			
12,732.66	10,824.38	10,800.38	10,800.38	41.32	432.02	-78.08	-4,759.06	-854.70	2,985.77	2,518.73	467.04	6.393			
12,800.00	10,826.90	10,802.90	10,802.90	41.95	432.12	-78.35	-4,759.06	-854.70	2,919.54	2,452.24	467.30	6.248			
12,900.00	10,830.66	10,806.66	10,806.66	42.93	432.27	-78.74	-4,759.06	-854.70	2,821.28	2,353.59	467.69	6.032			
13,000.00	10,834.41	10,810.41	10,810.41	43.92	432.42	-79.14	-4,759.06	-854.70	2,723.15	2,255.03	468.11	5.817			
13,100.00	10,838.16	10,814.16	10,814.16	44.95	432.57	-79.54	-4,759.06	-854.70	2,625.15	2,156.59	468.55	5.603			
13,148.97	10,840.00	10,816.00	10,816.00	45.46	432.64	-79.73	-4,759.06	-854.70	2,577.21	2,108.43	468.78	5.498			
13,185.98	10,841.63	10,817.63	10,817.63	45.85	432.71	-76.51	-4,759.06	-854.70	2,541.02	2,072.06	468.96	5.418			
13,200.00	10,842.34	10,818.34	10,818.34	46.00	432.73	-76.58	-4,759.06	-854.70	2,527.31	2,058.28	469.03	5.388			
13,300.00	10,847.38	10,823.38	10,823.38	47.07	432.94	-77.10	-4,759.06	-854.70	2,429.69	1,960.11	469.58	5.174			
13,400.00	10,852.42	10,828.42	10,828.42	48.16	433.14	-77.63	-4,759.06	-854.70	2,332.25	1,862.10	470.16	4.961			
13,500.00	10,857.47	10,833.47	10,833.47	49.27	433.34	-78.16	-4,759.06	-854.70	2,235.03	1,764.26	470.77	4.748			
13,600.00	10,862.51	10,838.51	10,838.51	50.40	433.54	-78.69	-4,759.06	-854.70	2,138.06	1,666.63	471.43	4.535			
13,649.39	10,865.00	10,841.00	10,841.00	50.96	433.64	-78.95	-4,759.06	-854.70	2,090.27	1,618.50	471.77	4.431			
13,700.00	10,867.11	10,843.11	10,843.11	51.54	433.72	-82.95	-4,759.06	-854.70	2,041.34	1,569.23	472.11	4.324			
13,745.95	10,868.24	10,844.24	10,844.24	52.07	433.77	-86.47	-4,759.06	-854.70	1,996.98	1,524.57	472.41	4.227			
13,800.00	10,869.15	10,845.15	10,845.15	52.70	433.81	-86.57	-4,759.06	-854.70	1,944.87	1,472.12	472.75	4.114			
13,900.00	10,870.82	10,846.82	10,846.82	53.87	433.87	-86.75	-4,759.06	-854.70	1,848.76	1,375.32	473.43	3.905			
14,000.00	10,872.50	10,848.50	10,848.50	55.05	433.94	-86.93	-4,759.06	-854.70	1,753.08	1,278.88	474.19	3.697			
14,100.00	10,874.17	10,850.17	10,850.17	56.25	434.01	-87.11	-4,759.06	-854.70	1,657.91	1,182.87	475.04	3.490			
14,149.29	10,875.00	10,851.00	10,851.00	56.84	434.04	-87.20	-4,759.06	-854.70	1,611.22	1,135.72	475.50	3.388			
14,199.83	10,875.40	10,851.40	10,851.40	57.45	434.06	-90.14	-4,759.06	-854.70	1,563.50	1,087.53	475.97	3.285			
14,300.00	10,875.31	10,851.31	10,851.31	58.67	434.05	-90.13	-4,759.06	-854.70	1,469.47	992.50	476.98	3.081			
14,400.00	10,875.22	10,851.22	10,851.22	59.89	434.05	-90.12	-4,759.06	-854.70	1,376.48	898.35	478.12	2.879			
14,500.00	10,875.13	10,851.13	10,851.13	61.13	434.05	-90.11	-4,759.06	-854.70	1,284.53	805.08	479.44	2.679			
14,600.00	10,875.04	10,851.04	10,851.04	62.37	434.04	-90.10	-4,759.06	-854.70	1,193.88	712.90	480.97	2.482			
14,649.08	10,875.00	10,851.00	10,851.00	62.98	434.04	-90.10	-4,759.06	-854.70	1,149.95	668.14	481.81	2.387			
14,700.00	10,875.41	10,851.41	10,851.41	63.62	434.06	-88.20	-4,759.06	-854.70	1,104.84	622.07	482.77	2.289			
14,713.04	10,875.66	10,851.66	10,851.66	63.79	434.07	-87.75	-4,759.06	-854.70	1,093.37	610.34	483.03	2.264			
14,800.00	10,877.52	10,853.52	10,853.52	64.88	434.14	-87.95	-4,759.06	-854.70	1,017.86	532.93	484.93	2.099			
14,900.00	10,879.66	10,855.66	10,855.66	66.15	434.23	-88.18	-4,759.06	-854.70	933.49	446.06	487.44	1.915	Collision Risk Procedures Req.		
15,000.00	10,881.81	10,857.81	10,857.81	67.43	434.31	-88.42	-4,759.06	-854.70	852.50	362.17	490.33	1.739	Collision Risk Procedures Req.		

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

Altitude Energy Partners

Anticollision Report



Company:	Kaiser-Francis Oil Company	Local Co-ordinate Reference:	Well Bell Lake Unit South 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 #3	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	Rule Assigned:											
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Offset	Highside Toolface (°)	Offset Wellbore Centre	Distance	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
15,100.00	10,883.95	10,859.95	10,859.95	68.71	434.40	-88.65	-4,759.06	-854.70	775.95	282.31	493.65	1.572	Collision Risk Procedures Req.
15,148.97	10,885.00	10,861.00	10,861.00	69.34	434.44	-88.77	-4,759.06	-854.70	740.50	245.09	495.41	1.495	Collision Avoidance Req.
15,153.08	10,885.09	10,861.09	10,861.09	69.39	434.44	-88.86	-4,759.06	-854.70	737.60	242.03	495.57	1.488	Collision Avoidance Req.
15,200.00	10,886.02	10,862.02	10,862.02	70.00	434.48	-88.96	-4,759.06	-854.70	705.29	207.95	497.34	1.418	Collision Avoidance Req.
15,300.00	10,888.02	10,864.02	10,864.02	71.29	434.56	-89.18	-4,759.06	-854.70	642.46	141.18	501.28	1.282	Collision Avoidance Req.
15,400.00	10,890.02	10,866.02	10,866.02	72.59	434.64	-89.40	-4,759.06	-854.70	589.97	84.87	505.11	1.168	Collision Avoidance Req.
15,500.00	10,892.02	10,868.02	10,868.02	73.90	434.72	-89.62	-4,759.06	-854.70	550.79	42.56	508.23	1.084	Collision Avoidance Req.
15,600.00	10,894.02	10,870.02	10,870.02	75.21	434.80	-89.84	-4,759.06	-854.70	527.89	18.01	509.88	1.035	Collision Avoidance Req.
15,648.86	10,895.00	10,871.00	10,871.00	75.85	434.84	-89.95	-4,759.06	-854.70	523.33	13.38	509.94	1.026	Collision Avoidance Req.
15,673.56	10,895.60	10,871.60	10,871.60	76.17	434.86	-90.00	-4,759.06	-854.70	522.74	12.97	509.77	1.025	Collision Avoidance Req., CC, ES, SF
15,709.86	10,896.87	10,872.87	10,872.87	76.65	434.91	-90.16	-4,759.06	-854.70	524.00	14.71	509.29	1.029	Collision Avoidance Req.
15,800.00	10,900.59	10,876.59	10,876.59	77.84	435.06	-90.57	-4,759.06	-854.70	537.79	30.83	506.96	1.061	Collision Avoidance Req.
15,900.00	10,904.72	10,880.72	10,880.72	79.16	435.23	-91.02	-4,759.06	-854.70	569.61	66.64	502.97	1.132	Collision Avoidance Req.
16,000.00	10,908.85	10,884.85	10,884.85	80.49	435.39	-91.48	-4,759.06	-854.70	616.16	117.83	498.33	1.236	Collision Avoidance Req.
16,100.00	10,912.98	10,888.98	10,888.98	81.82	435.56	-91.93	-4,759.06	-854.70	674.40	180.65	493.75	1.366	Collision Avoidance Req.
16,149.05	10,915.00	10,891.00	10,891.00	82.48	435.64	-92.15	-4,759.06	-854.70	706.38	214.73	491.65	1.437	Collision Avoidance Req.
16,205.71	10,917.90	10,893.90	10,893.90	83.24	435.76	-93.55	-4,759.06	-854.70	745.61	256.18	489.44	1.523	Collision Risk Procedures Req.
16,300.00	10,923.65	10,899.65	10,899.65	84.50	435.99	-94.18	-4,759.06	-854.70	815.40	329.17	486.23	1.677	Collision Risk Procedures Req.
16,400.00	10,929.76	10,905.76	10,905.76	85.84	436.23	-94.84	-4,759.06	-854.70	894.29	410.87	483.43	1.850	Collision Risk Procedures Req.
16,500.00	10,935.86	10,911.86	10,911.86	87.19	436.47	-95.50	-4,759.06	-854.70	977.02	495.85	481.18	2.030	
16,600.00	10,941.96	10,917.96	10,917.96	88.54	436.72	-96.17	-4,759.06	-854.70	1,062.69	583.30	479.39	2.217	
16,649.75	10,945.00	10,921.00	10,921.00	89.21	436.84	-96.49	-4,759.06	-854.70	1,106.19	627.54	478.66	2.311	
16,700.00	10,947.63	10,923.63	10,923.63	89.89	436.95	-94.88	-4,759.06	-854.70	1,150.66	672.68	477.98	2.407	
16,748.50	10,949.33	10,925.33	10,925.33	90.54	437.01	-93.13	-4,759.06	-854.70	1,194.05	716.68	477.37	2.501	
16,800.00	10,950.70	10,926.70	10,926.70	91.24	437.07	-93.28	-4,759.06	-854.70	1,240.54	763.77	476.77	2.602	
16,900.00	10,953.36	10,929.36	10,929.36	92.59	437.17	-93.57	-4,759.06	-854.70	1,331.86	856.06	475.80	2.799	
17,000.00	10,956.02	10,932.02	10,932.02	93.95	437.28	-93.86	-4,759.06	-854.70	1,424.34	949.31	475.03	2.998	
17,100.00	10,958.68	10,934.68	10,934.68	95.31	437.39	-94.15	-4,759.06	-854.70	1,517.78	1,043.34	474.44	3.199	
17,149.77	10,960.00	10,936.00	10,936.00	95.99	437.44	-94.29	-4,759.06	-854.70	1,564.58	1,090.39	474.19	3.299	
17,199.83	10,960.89	10,936.89	10,936.89	96.67	437.48	-91.53	-4,759.06	-854.70	1,611.83	1,137.88	473.95	3.401	
17,300.00	10,961.81	10,937.81	10,937.81	98.04	437.51	-91.63	-4,759.06	-854.70	1,706.90	1,233.38	473.53	3.605	
17,400.00	10,962.72	10,938.72	10,938.72	99.40	437.55	-91.73	-4,759.06	-854.70	1,802.35	1,329.16	473.19	3.809	
17,500.00	10,963.63	10,939.63	10,939.63	100.77	437.59	-91.83	-4,759.06	-854.70	1,898.27	1,425.35	472.92	4.014	
17,600.00	10,964.55	10,940.55	10,940.55	102.14	437.62	-91.93	-4,759.06	-854.70	1,994.59	1,521.87	472.72	4.219	
17,649.59	10,965.00	10,941.00	10,941.00	102.82	437.64	-91.97	-4,759.06	-854.70	2,042.48	1,569.85	472.64	4.321	
17,700.00	10,965.02	10,941.02	10,941.02	103.51	437.64	-88.12	-4,759.06	-854.70	2,091.26	1,618.71	472.54	4.426	
17,778.25	10,963.29	10,939.29	10,939.29	104.58	437.57	-81.81	-4,759.06	-854.70	2,167.08	1,694.73	472.35	4.588	
17,800.00	10,962.51	10,938.51	10,938.51	104.88	437.54	-81.73	-4,759.06	-854.70	2,188.19	1,715.90	472.29	4.633	
17,900.00	10,958.93	10,934.93	10,934.93	106.25	437.40	-81.34	-4,759.06	-854.70	2,285.36	1,813.33	472.02	4.842	
18,000.00	10,955.35	10,931.35	10,931.35	107.63	437.25	-80.96	-4,759.06	-854.70	2,382.75	1,910.97	471.79	5.050	
18,100.00	10,951.78	10,927.78	10,927.78	109.01	437.11	-80.58	-4,759.06	-854.70	2,480.35	2,008.78	471.58	5.260	
18,149.63	10,950.00	10,926.00	10,926.00	109.69	437.04	-80.39	-4,759.06	-854.70	2,528.86	2,057.38	471.48	5.364	
18,166.47	10,949.45	10,925.45	10,925.45	109.92	437.02	-81.89	-4,759.06	-854.70	2,545.33	2,073.88	471.45	5.399	
18,200.00	10,948.44	10,924.44	10,924.44	110.38	436.98	-81.78	-4,759.06	-854.70	2,578.14	2,106.74	471.40	5.469	
18,300.00	10,945.45	10,921.45	10,921.45	111.76	436.86	-81.46	-4,759.06	-854.70	2,676.09	2,204.84	471.25	5.679	
18,400.00	10,942.46	10,918.46	10,918.46	113.14	436.74	-81.14	-4,759.06	-854.70	2,774.19	2,303.07	471.12	5.889	
18,500.00	10,939.47	10,915.47	10,915.47	114.53	436.62	-80.82	-4,759.06	-854.70	2,872.42	2,401.41	471.00	6.099	
18,600.00	10,936.48	10,912.48	10,912.48	115.91	436.50	-80.50	-4,759.06	-854.70	2,970.76	2,499.86	470.90	6.309	
18,649.65	10,935.00	10,911.00	10,911.00	116.60	436.44	-80.35	-4,759.06	-854.70	3,019.63	2,548.78	470.85	6.413	
18,700.00	10,932.58	10,908.58	10,908.58	117.30	436.34	-68.99	-4,759.06	-854.70	3,069.17	2,598.40	470.76	6.520	
18,800.00	10,922.32	10,898.32	10,898.32	118.68	435.93	-50.37	-4,759.06	-854.70	3,167.21	2,696.84	470.37	6.733	
18,866.33	10,911.55	10,887.55	10,887.55	119.58	435.50	-41.37	-4,759.06	-854.70	3,231.77	2,761.83	469.94	6.877	

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 #3	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							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		
18,874.67	10,910.00	10,886.00	10,886.00	119.70	435.44	-41.29	-4,759.06	-854.70	3,239.86	2,769.99	469.88	6.895		

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 #3	Offset TVD Reference:	Offset Datum

Offset Design: Bell Lake Unit South - Bell Lake Unit South 208H - OH - OH												Offset Site Error:	0.00 usft
Survey Program: 225-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				
225.00	225.00	225.06	225.06	0.36	0.36	-23.40	19.73	-0.42	18.87	18.14	0.73	26.015	
421.00	420.99	421.00	421.00	1.06	1.05	-35.87	19.47	-0.74	17.20	15.09	2.12	8.130	
609.00	608.98	609.00	609.00	1.74	1.71	-54.54	19.41	-0.95	15.81	12.36	3.45	4.585	
796.00	795.97	795.94	795.94	2.41	2.37	-25.02	19.15	-1.85	14.22	9.44	4.78	2.976	
984.00	983.96	983.94	983.93	3.07	3.04	9.81	18.63	-3.87	12.82	6.71	6.11	2.098	
1,156.20	1,156.15	1,156.15	1,156.12	3.68	3.64	-55.85	18.42	-5.05	12.21	4.89	7.32	1.668	Collision Risk Procedures Req.
1,173.00	1,172.95	1,172.95	1,172.92	3.74	3.70	-66.82	18.46	-5.08	12.22	4.78	7.44	1.642	Collision Risk Procedures Req.
1,290.00	1,289.95	1,289.96	1,289.93	4.15	4.11	-143.68	18.46	-5.42	12.61	4.35	8.26	1.526	Collision Risk Procedures Req.
1,362.00	1,361.95	1,361.97	1,361.95	4.40	4.36	-31.66	18.39	-5.58	12.77	4.01	8.77	1.457	Collision Avoidance Req.
1,457.00	1,456.94	1,456.93	1,456.91	4.74	4.69	8.27	18.45	-5.68	11.51	2.08	9.43	1.221	Collision Avoidance Req.
1,552.00	1,551.85	1,551.85	1,551.82	5.07	5.03	20.85	18.66	-5.90	8.01	-2.08	10.10	0.794	No-Go Zone - Stop Drilling
1,647.00	1,646.63	1,646.64	1,646.61	5.41	5.36	68.77	19.08	-6.11	3.56	-7.21	10.76	0.330	No-Go Zone - Stop Drilling
1,661.29	1,660.87	1,660.89	1,660.86	5.46	5.41	87.63	19.15	-6.13	3.38	-7.48	10.86	0.311	No-Go Zone - Stop Drilling, CC, ES, SF
1,742.00	1,741.21	1,741.29	1,741.27	5.74	5.69	155.41	19.46	-6.48	8.00	-3.43	11.43	0.700	No-Go Zone - Stop Drilling
1,837.00	1,835.52	1,835.61	1,835.59	6.08	6.03	172.61	19.66	-6.95	18.63	6.53	12.10	1.540	Collision Risk Procedures Req.
1,932.00	1,929.44	1,929.74	1,929.71	6.43	6.36	177.97	19.93	-7.46	32.24	19.48	12.76	2.526	
2,027.00	2,022.96	2,023.44	2,023.40	6.79	6.69	-178.82	21.35	-7.90	48.10	34.67	13.43	3.582	
2,122.00	2,116.05	2,116.69	2,116.56	7.15	7.02	179.45	25.29	-7.73	66.21	52.12	14.09	4.700	
2,217.00	2,208.62	2,210.37	2,210.00	7.53	7.34	175.34	31.96	-7.62	86.44	71.69	14.75	5.860	
2,312.00	2,300.88	2,303.74	2,303.03	7.92	7.67	173.50	39.94	-8.38	107.32	91.91	15.42	6.961	
2,407.00	2,392.93	2,395.52	2,394.48	8.32	8.00	169.98	47.59	-9.37	129.06	112.97	16.08	8.024	
2,502.00	2,484.87	2,488.22	2,486.89	8.73	8.33	168.61	54.85	-10.18	151.44	134.68	16.76	9.037	
2,597.00	2,577.07	2,580.51	2,578.93	9.14	8.65	168.14	61.63	-11.17	172.75	155.32	17.43	9.911	
2,692.00	2,669.19	2,675.14	2,673.31	9.56	8.99	169.17	68.17	-12.49	194.18	176.06	18.12	10.715	
2,787.00	2,761.00	2,768.41	2,766.38	9.99	9.33	169.14	74.04	-14.70	215.94	197.13	18.81	11.481	
2,882.00	2,852.85	2,860.25	2,858.01	10.43	9.66	169.39	79.81	-16.90	237.63	218.14	19.49	12.193	
2,977.00	2,944.74	2,952.29	2,949.87	10.87	9.99	169.44	85.28	-18.83	259.44	239.27	20.17	12.861	
3,072.00	3,036.51	3,046.32	3,043.72	11.31	10.33	164.29	90.70	-20.94	281.39	260.52	20.87	13.484	
3,167.00	3,128.27	3,140.76	3,137.94	11.76	10.67	165.45	96.49	-23.75	302.51	280.94	21.57	14.024	
3,262.00	3,220.08	3,233.48	3,230.42	12.22	11.00	165.03	102.39	-26.83	323.11	300.84	22.27	14.511	
3,357.00	3,311.76	3,325.06	3,321.80	12.67	11.33	166.40	107.67	-29.69	344.48	321.52	22.96	15.006	
3,452.00	3,403.32	3,416.56	3,413.13	13.14	11.67	167.34	112.68	-32.26	366.62	342.97	23.65	15.504	
3,547.00	3,495.00	3,512.00	3,508.37	13.60	12.01	166.51	118.26	-35.04	388.27	363.91	24.36	15.939	
3,642.00	3,586.87	3,606.34	3,602.41	14.06	12.36	166.61	124.74	-38.66	408.30	383.23	25.07	16.286	
3,737.00	3,678.84	3,697.60	3,693.38	14.52	12.69	165.86	131.20	-42.04	428.06	402.30	25.76	16.614	
3,832.00	3,770.66	3,789.90	3,785.41	14.99	13.03	164.32	137.44	-45.11	448.66	422.19	26.47	16.952	
3,926.00	3,861.51	3,880.22	3,875.54	15.45	13.35	165.73	142.48	-48.10	469.06	441.90	27.15	17.275	
4,021.00	3,953.41	3,970.75	3,965.91	15.91	13.68	167.36	147.37	-50.58	489.99	462.15	27.84	17.600	
4,116.00	4,045.05	4,063.67	4,058.68	16.39	14.02	167.66	152.06	-52.97	512.12	483.58	28.54	17.941	
4,211.00	4,136.50	4,158.58	4,153.42	16.87	14.36	168.26	157.09	-55.74	534.67	505.41	29.26	18.271	
4,306.00	4,227.78	4,250.42	4,245.06	17.36	14.70	168.95	162.10	-58.82	557.46	527.49	29.97	18.604	
4,401.00	4,318.73	4,339.10	4,333.62	17.85	15.02	168.96	166.31	-61.24	581.96	551.31	30.65	18.989	
4,496.00	4,409.75	4,431.15	4,425.52	18.35	15.35	170.73	170.83	-63.65	606.38	575.03	31.35	19.342	
4,591.00	4,501.22	4,524.27	4,518.47	18.84	15.69	171.83	175.90	-66.09	629.36	597.30	32.06	19.631	
4,686.00	4,592.94	4,619.76	4,613.76	19.32	16.04	166.71	181.33	-69.04	650.89	618.11	32.78	19.854	
4,781.00	4,684.49	4,711.80	4,705.60	19.80	16.38	162.77	186.70	-71.99	672.48	638.99	33.49	20.080	
4,876.00	4,775.97	4,803.29	4,796.87	20.29	16.71	163.72	192.19	-74.86	694.21	660.02	34.19	20.303	
4,971.00	4,867.84	4,893.43	4,886.82	20.76	17.04	166.14	197.64	-77.42	714.99	680.10	34.88	20.496	
5,066.00	4,959.87	4,983.83	4,977.05	21.23	17.37	163.85	202.60	-79.68	735.48	699.91	35.58	20.674	
5,152.00	5,042.95	5,065.00	5,058.10	21.67	17.67	165.70	206.61	-81.51	755.11	718.91	36.20	20.861	
5,200.00	5,089.23	5,065.00	5,058.10	21.83	17.67	165.70	206.61	-81.51	767.94	731.80	36.14	21.247	

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 #3	Offset TVD Reference:	Offset Datum

Offset Design: Bell Lake Unit South - Bell Lake Unit South 208H - OH - OH													Offset Site Error: 0.00 usft
Survey Program: 225-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)			
5,219.00	5,107.55	5,065.00	5,058.10	21.86	17.67	165.70	206.61	-81.51	773.80	737.75	36.04	21.469	
5,300.00	5,185.58	5,065.00	5,058.10	21.99	17.67	171.95	206.61	-81.51	803.76	768.29	35.47	22.659	
5,324.13	5,208.80	5,065.00	5,058.10	22.04	17.67	173.80	206.61	-81.51	814.19	778.93	35.27	23.087	
5,400.00	5,281.76	5,065.00	5,058.10	22.17	17.67	173.80	206.61	-81.51	850.74	816.19	34.54	24.629	
5,500.00	5,377.94	5,065.00	5,058.10	22.36	17.67	173.80	206.61	-81.51	906.39	872.91	33.48	27.071	
5,600.00	5,474.11	5,065.00	5,058.10	22.56	17.67	173.80	206.61	-81.51	969.19	936.80	32.39	29.923	
5,700.00	5,570.28	5,065.00	5,058.10	22.78	17.67	173.80	206.61	-81.51	1,037.84	1,006.51	31.33	33.125	
5,800.00	5,666.46	5,065.00	5,058.10	23.00	17.67	173.80	206.61	-81.51	1,111.26	1,080.92	30.35	36.619	
5,900.00	5,762.63	5,065.00	5,058.10	23.23	17.67	173.80	206.61	-81.51	1,188.57	1,159.11	29.45	40.352	
6,000.00	5,858.81	5,065.00	5,058.10	23.48	17.67	173.80	206.61	-81.51	1,269.05	1,240.39	28.66	44.278	
6,100.00	5,954.98	5,065.00	5,058.10	23.73	17.67	173.80	206.61	-81.51	1,352.13	1,324.17	27.96	48.351	
6,200.00	6,051.15	5,065.00	5,058.10	23.99	17.67	173.80	206.61	-81.51	1,437.38	1,410.02	27.36	52.536	
6,300.00	6,147.33	5,065.00	5,058.10	24.26	17.67	173.80	206.61	-81.51	1,524.42	1,497.58	26.84	56.797	
6,400.00	6,243.50	5,065.00	5,058.10	24.54	17.67	173.80	206.61	-81.51	1,612.96	1,586.56	26.40	61.107	
6,500.00	6,339.68	5,065.00	5,058.10	24.83	17.67	173.80	206.61	-81.51	1,702.77	1,676.75	26.02	65.441	
6,600.00	6,435.85	5,065.00	5,058.10	25.12	17.67	173.80	206.61	-81.51	1,793.66	1,767.95	25.71	69.777	
6,700.00	6,532.03	5,065.00	5,058.10	25.43	17.67	173.80	206.61	-81.51	1,885.47	1,860.02	25.45	74.098	
6,800.00	6,628.20	5,065.00	5,058.10	25.74	17.67	173.80	206.61	-81.51	1,978.08	1,952.84	25.23	78.390	

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 #3	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	
0.00	0.00	0.00	0.00	0.00	0.00	-1.03	20.12	-0.36	20.12				
225.00	225.00	225.00	225.00	0.36	0.59	-23.16	20.12	-0.36	19.25	18.30	0.95	20.296	
421.00	420.99	420.99	420.99	1.06	1.29	-34.43	20.12	-0.36	17.82	15.46	2.35	7.571	
609.00	608.98	608.98	608.98	1.74	1.96	-52.00	20.12	-0.36	16.40	12.70	3.70	4.432	
796.00	795.97	795.97	795.97	2.41	2.63	-18.24	20.12	-0.36	14.71	9.67	5.04	2.918	
984.00	983.96	983.96	983.96	3.07	3.31	26.89	20.12	-0.36	12.89	6.51	6.38	2.021	
1,173.00	1,172.95	1,172.95	1,172.95	3.74	3.98	-42.81	20.12	-0.36	11.74	4.01	7.72	1.520	Collision Risk Procedures Req.
1,236.62	1,236.58	1,236.58	1,236.58	3.96	4.21	-90.00	20.12	-0.36	11.63	3.46	8.18	1.423	Collision Avoidance Req.
1,290.00	1,289.95	1,289.95	1,289.95	4.15	4.40	-118.75	20.12	-0.36	11.71	3.15	8.55	1.369	Collision Avoidance Req.
1,362.00	1,361.95	1,361.95	1,361.95	4.40	4.66	-6.15	20.12	-0.36	11.74	2.67	9.06	1.295	Collision Avoidance Req.
1,457.00	1,456.94	1,456.94	1,456.94	4.74	5.00	37.11	20.12	-0.36	10.57	0.83	9.74	1.086	Collision Avoidance Req.
1,552.00	1,551.85	1,551.85	1,551.85	5.07	5.34	62.61	20.12	-0.36	8.06	-2.35	10.41	0.774	No-Go Zone - Stop Drilling
1,607.51	1,607.25	1,607.25	1,607.25	5.27	5.54	89.99	20.12	-0.36	7.22	-3.59	10.81	0.668	No-Go Zone - Stop Drilling, CC, ES, SF
1,647.00	1,646.63	1,646.63	1,646.63	5.41	5.68	113.07	20.12	-0.36	7.82	-3.26	11.09	0.706	No-Go Zone - Stop Drilling
1,742.00	1,741.21	1,741.21	1,741.21	5.74	6.02	151.36	20.12	-0.36	14.11	2.35	11.76	1.200	Collision Avoidance Req.
1,837.00	1,835.52	1,835.52	1,835.52	6.08	6.36	167.37	20.12	-0.36	24.94	12.51	12.43	2.006	
1,932.00	1,929.44	1,929.44	1,929.44	6.43	6.70	174.38	20.12	-0.36	39.00	25.90	13.10	2.977	
2,027.00	2,022.96	2,023.11	2,023.11	6.79	7.03	-179.88	20.16	-0.38	55.65	41.89	13.77	4.043	
2,122.00	2,116.05	2,117.07	2,117.06	7.15	7.37	-178.55	21.18	-0.91	73.81	59.37	14.44	5.113	
2,217.00	2,208.62	2,210.90	2,210.85	7.53	7.70	-179.94	23.57	-2.15	93.41	78.30	15.10	6.184	
2,312.00	2,300.88	2,304.79	2,304.65	7.92	8.04	179.82	27.32	-4.09	113.41	97.63	15.77	7.189	
2,407.00	2,392.93	2,398.82	2,398.50	8.32	8.37	176.66	32.44	-6.75	133.42	116.97	16.45	8.112	
2,502.00	2,484.87	2,491.76	2,491.20	8.73	8.71	175.00	38.30	-9.79	153.37	136.25	17.12	8.958	
2,597.00	2,577.07	2,584.77	2,583.98	9.14	9.04	174.15	44.17	-12.83	172.41	154.61	17.80	9.687	
2,692.00	2,669.19	2,677.70	2,676.67	9.56	9.37	174.77	50.04	-15.87	191.86	173.38	18.48	10.382	
2,787.00	2,761.00	2,770.35	2,769.09	9.99	9.71	174.19	55.89	-18.91	212.58	193.42	19.16	11.093	
2,882.00	2,852.85	2,863.02	2,861.52	10.43	10.04	173.97	61.74	-21.94	233.27	213.42	19.85	11.753	
2,977.00	2,944.74	2,955.72	2,953.98	10.87	10.38	173.56	67.59	-24.98	253.83	233.29	20.54	12.361	
3,072.00	3,036.51	3,048.36	3,046.40	11.31	10.71	168.00	73.44	-28.01	274.75	253.53	21.23	12.945	
3,167.00	3,128.27	3,141.05	3,138.85	11.76	11.05	168.86	79.29	-31.04	295.57	273.65	21.92	13.486	
3,262.00	3,220.08	3,233.78	3,231.34	12.22	11.38	168.22	85.15	-34.08	316.20	293.59	22.61	13.985	
3,357.00	3,311.76	3,326.37	3,323.70	12.67	11.72	169.32	91.00	-37.11	337.40	314.09	23.31	14.477	
3,452.00	3,403.32	3,418.86	3,415.95	13.14	12.06	169.95	96.84	-40.14	359.08	335.08	24.00	14.960	
3,547.00	3,495.00	3,511.44	3,508.30	13.60	12.39	168.90	102.68	-43.17	380.36	355.66	24.70	15.398	
3,642.00	3,586.87	3,604.18	3,600.81	14.06	12.73	168.96	108.54	-46.21	400.88	375.48	25.40	15.783	
3,737.00	3,678.84	3,697.02	3,693.41	14.52	13.07	168.19	114.40	-49.25	421.01	394.91	26.10	16.130	
3,832.00	3,770.66	3,789.75	3,785.91	14.99	13.41	166.59	120.25	-52.28	441.64	414.84	26.80	16.477	
3,926.00	3,861.51	3,881.50	3,877.43	15.45	13.74	167.82	126.05	-55.28	462.07	434.58	27.50	16.803	
4,021.00	3,953.41	3,974.27	3,969.96	15.91	14.08	169.26	131.90	-58.32	482.49	454.29	28.20	17.108	
4,116.00	4,045.05	4,066.81	4,062.26	16.39	14.42	169.35	137.75	-61.35	503.96	475.05	28.91	17.433	
4,211.00	4,136.50	4,159.17	4,154.39	16.87	14.75	169.77	143.58	-64.38	526.15	496.54	29.61	17.767	
4,306.00	4,227.78	4,251.37	4,246.36	17.36	15.09	170.31	149.40	-67.39	548.99	518.67	30.32	18.107	
4,401.00	4,318.73	4,343.28	4,338.04	17.85	15.43	170.13	155.20	-70.40	572.99	541.96	31.03	18.468	
4,496.00	4,409.75	4,435.24	4,429.76	18.35	15.76	171.71	161.01	-73.41	596.78	565.05	31.73	18.806	
4,591.00	4,501.22	4,527.54	4,521.83	18.84	16.10	172.70	166.84	-76.44	619.13	586.69	32.44	19.085	
4,686.00	4,592.94	4,620.10	4,614.15	19.32	16.44	167.50	172.68	-79.47	640.47	607.32	33.15	19.322	
4,781.00	4,684.49	4,712.62	4,706.44	19.80	16.78	163.50	178.52	-82.49	662.01	628.15	33.86	19.553	
4,876.00	4,775.97	4,805.12	4,798.71	20.29	17.12	164.40	184.36	-85.52	683.62	649.05	34.57	19.776	
4,971.00	4,867.84	4,897.91	4,891.26	20.76	17.46	166.77	190.22	-88.56	704.01	668.73	35.28	19.956	
5,066.00	4,959.87	4,990.83	4,983.94	21.23	17.80	164.41	196.09	-91.60	723.78	687.79	35.99	20.111	
5,152.00	5,042.95	5,074.75	5,067.65	21.67	18.11	166.17	201.39	-94.35	742.55	705.91	36.63	20.270	
5,200.00	5,089.23	5,121.52	5,114.30	21.83	18.28	166.17	204.34	-95.88	753.37	716.43	36.94	20.394	

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 #3	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)			
5,219.00	5,107.55	5,140.02	5,132.76	21.86	18.35	166.17	205.51	-96.49	757.66	720.65	37.01	20.471	
5,300.00	5,185.58	5,218.81	5,211.35	21.99	18.64	172.11	210.48	-99.07	776.42	739.10	37.32	20.807	
5,324.13	5,208.80	5,242.24	5,234.72	22.04	18.72	173.80	211.96	-99.83	782.18	744.77	37.41	20.909	
5,400.00	5,281.76	5,315.84	5,308.13	22.17	18.99	173.62	216.61	-102.24	800.43	762.73	37.70	21.232	
5,500.00	5,377.94	5,412.85	5,404.90	22.36	19.35	173.39	222.73	-105.42	824.49	786.39	38.09	21.645	
5,600.00	5,474.11	5,509.86	5,501.66	22.56	19.70	173.18	228.86	-108.60	848.56	810.06	38.49	22.045	
5,700.00	5,570.28	5,606.88	5,598.43	22.78	20.06	172.97	234.99	-111.77	872.64	833.74	38.90	22.432	
5,800.00	5,666.46	5,703.89	5,695.20	23.00	20.42	172.78	241.11	-114.95	896.73	857.41	39.32	22.806	
5,900.00	5,762.63	5,800.90	5,791.96	23.23	20.77	172.60	247.24	-118.12	920.83	881.08	39.75	23.167	
6,000.00	5,858.81	5,897.91	5,888.73	23.48	21.13	172.43	253.36	-121.30	944.94	904.75	40.18	23.516	
6,100.00	5,954.98	5,994.93	5,985.50	23.73	21.49	172.27	259.49	-124.48	969.05	928.43	40.63	23.853	
6,200.00	6,051.15	6,091.94	6,082.26	23.99	21.84	172.11	265.61	-127.65	993.18	952.10	41.08	24.178	
6,300.00	6,147.33	6,188.95	6,179.03	24.26	22.20	171.96	271.74	-130.83	1,017.30	975.77	41.54	24.491	
6,400.00	6,243.50	6,285.96	6,275.80	24.54	22.56	171.82	277.86	-134.00	1,041.44	999.43	42.01	24.793	
6,500.00	6,339.68	6,382.98	6,372.56	24.83	22.91	171.69	283.99	-137.18	1,065.58	1,023.10	42.48	25.083	
6,600.00	6,435.85	6,479.99	6,469.33	25.12	23.27	171.56	290.11	-140.36	1,089.73	1,046.76	42.96	25.363	
6,700.00	6,532.03	6,577.00	6,566.10	25.43	23.63	171.44	296.24	-143.53	1,113.88	1,070.42	43.46	25.632	
6,800.00	6,628.20	6,674.01	6,662.86	25.74	23.98	171.32	302.36	-146.71	1,138.04	1,094.08	43.95	25.891	
6,890.42	6,715.16	6,761.73	6,750.36	26.03	24.31	171.21	307.90	-149.58	1,159.88	1,115.47	44.41	26.117	
6,900.00	6,724.38	6,771.03	6,759.64	26.06	24.34	171.21	308.49	-149.88	1,162.18	1,117.72	44.46	26.140	
7,000.00	6,821.10	6,868.50	6,856.86	26.37	24.70	171.16	314.64	-153.08	1,184.34	1,139.37	44.97	26.335	
7,100.00	6,918.64	6,966.67	6,954.78	26.65	25.06	171.07	320.84	-156.29	1,203.14	1,157.65	45.49	26.450	
7,200.00	7,016.89	7,065.41	7,053.27	26.91	25.43	170.95	327.08	-159.52	1,218.55	1,172.54	46.01	26.485	
7,300.00	7,115.74	7,159.68	7,147.32	27.13	25.77	170.82	332.79	-162.49	1,230.67	1,184.16	46.51	26.463	
7,400.00	7,215.05	7,251.01	7,238.52	27.34	26.10	170.72	337.14	-164.74	1,239.99	1,193.00	46.98	26.393	
7,500.00	7,314.70	7,342.55	7,329.99	27.51	26.43	170.65	340.20	-166.33	1,246.53	1,199.08	47.45	26.271	
7,600.00	7,414.59	7,434.22	7,421.64	27.66	26.76	170.62	341.96	-167.24	1,250.30	1,202.39	47.91	26.097	
7,685.43	7,500.00	7,512.58	7,500.00	27.76	27.04	86.93	342.44	-167.49	1,251.32	1,203.03	48.29	25.912	
7,700.00	7,514.57	7,527.16	7,514.57	27.78	27.09	86.93	342.44	-167.49	1,251.32	1,202.96	48.36	25.875	
7,800.00	7,614.57	7,627.16	7,614.57	27.89	27.43	86.93	342.44	-167.49	1,251.32	1,202.48	48.84	25.621	
7,900.00	7,714.57	7,727.16	7,714.57	28.01	27.78	86.93	342.44	-167.49	1,251.32	1,201.98	49.33	25.364	
8,000.00	7,814.57	7,827.16	7,814.57	28.13	28.13	86.93	342.44	-167.49	1,251.32	1,201.48	49.84	25.109	
8,100.00	7,914.57	7,927.16	7,914.57	28.25	28.48	86.93	342.44	-167.49	1,251.32	1,200.97	50.34	24.856	
8,200.00	8,014.57	8,027.16	8,014.57	28.38	28.83	86.93	342.44	-167.49	1,251.32	1,200.46	50.85	24.606	
8,300.00	8,114.57	8,127.16	8,114.57	28.51	29.19	86.93	342.44	-167.49	1,251.32	1,199.95	51.37	24.359	
8,400.00	8,214.57	8,227.16	8,214.57	28.65	29.54	86.93	342.44	-167.49	1,251.32	1,199.43	51.89	24.115	
8,500.00	8,314.57	8,327.16	8,314.57	28.79	29.89	86.93	342.44	-167.49	1,251.32	1,198.90	52.42	23.873	
8,600.00	8,414.57	8,427.16	8,414.57	28.93	30.24	86.93	342.44	-167.49	1,251.32	1,198.37	52.94	23.634	
8,700.00	8,514.57	8,527.16	8,514.57	29.08	30.60	86.93	342.44	-167.49	1,251.32	1,197.84	53.48	23.398	
8,800.00	8,614.57	8,627.16	8,614.57	29.23	30.95	86.93	342.44	-167.49	1,251.32	1,197.30	54.02	23.165	
8,900.00	8,714.57	8,727.16	8,714.57	29.39	31.30	86.93	342.44	-167.49	1,251.32	1,196.76	54.56	22.935	
9,000.00	8,814.57	8,827.16	8,814.57	29.54	31.66	86.93	342.44	-167.49	1,251.32	1,196.21	55.11	22.708	
9,100.00	8,914.57	8,927.16	8,914.57	29.71	32.01	86.93	342.44	-167.49	1,251.32	1,195.66	55.66	22.483	
9,200.00	9,014.57	9,027.16	9,014.57	29.87	32.36	86.93	342.44	-167.49	1,251.32	1,195.11	56.21	22.261	
9,300.00	9,114.57	9,127.16	9,114.57	30.04	32.72	86.93	342.44	-167.49	1,251.32	1,194.55	56.77	22.042	
9,400.00	9,214.57	9,227.16	9,214.57	30.21	33.07	86.93	342.44	-167.49	1,251.32	1,193.99	57.33	21.826	
9,500.00	9,314.57	9,327.16	9,314.57	30.39	33.42	86.93	342.44	-167.49	1,251.32	1,193.42	57.90	21.613	
9,600.00	9,414.57	9,427.16	9,414.57	30.57	33.78	86.93	342.44	-167.49	1,251.32	1,192.85	58.46	21.403	
9,700.00	9,514.57	9,527.16	9,514.57	30.75	34.13	86.93	342.44	-167.49	1,251.32	1,192.28	59.04	21.196	
9,800.00	9,614.57	9,627.16	9,614.57	30.93	34.49	86.93	342.44	-167.49	1,251.32	1,191.70	59.61	20.991	
9,900.00	9,714.57	9,727.16	9,714.57	31.12	34.84	86.93	342.44	-167.49	1,251.32	1,191.13	60.19	20.789	
10,000.00	9,814.57	9,827.16	9,814.57	31.31	35.19	86.93	342.44	-167.49	1,251.32	1,190.54	60.77	20.590	

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 #3	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	
10,100.00	9,914.57	9,927.16	9,914.57	31.50	35.55	86.93	342.44	-167.49	1,251.32	1,189.96	61.36	20.394	
10,200.00	10,014.57	10,027.16	10,014.57	31.70	35.90	86.93	342.44	-167.49	1,251.32	1,189.37	61.95	20.200	
10,300.31	10,114.89	10,127.47	10,114.89	31.89	36.25	86.93	342.44	-167.49	1,251.32	1,188.79	62.53	20.013	
10,350.00	10,164.51	10,177.96	10,165.38	31.98	36.42	-92.71	342.38	-167.49	1,251.41	1,188.60	62.81	19.924	
10,400.00	10,214.07	10,233.80	10,221.08	32.07	36.60	-92.87	338.85	-167.46	1,251.58	1,188.48	63.10	19.835	
10,450.00	10,262.88	10,290.01	10,276.54	32.15	36.76	-93.00	329.84	-167.39	1,251.72	1,188.35	63.37	19.753	
10,500.00	10,310.56	10,346.54	10,331.16	32.23	36.92	-93.10	315.34	-167.28	1,251.84	1,188.22	63.62	19.677	
10,550.00	10,356.75	10,403.32	10,384.31	32.29	37.07	-93.18	295.44	-167.12	1,251.94	1,188.09	63.85	19.608	
10,600.00	10,401.10	10,460.27	10,435.38	32.36	37.21	-93.23	270.29	-166.92	1,252.00	1,187.94	64.06	19.545	
10,650.00	10,443.27	10,517.33	10,483.79	32.41	37.33	-93.25	240.14	-166.69	1,252.02	1,187.77	64.25	19.487	
10,700.00	10,482.94	10,574.41	10,528.98	32.46	37.44	-93.25	205.31	-166.41	1,252.01	1,187.58	64.43	19.432	
10,750.00	10,519.81	10,631.43	10,570.44	32.51	37.54	-93.21	166.20	-166.11	1,251.97	1,187.37	64.60	19.379	
10,800.00	10,553.60	10,688.31	10,607.73	32.55	37.64	-93.15	123.27	-165.77	1,251.90	1,187.12	64.77	19.328	
10,850.00	10,584.05	10,744.99	10,640.47	32.58	37.73	-93.06	77.03	-165.40	1,251.79	1,186.85	64.94	19.275	
10,900.00	10,610.93	10,801.39	10,668.35	32.62	37.82	-92.94	28.04	-165.02	1,251.66	1,186.54	65.12	19.222	
10,950.00	10,634.03	10,857.44	10,691.16	32.65	37.92	-92.80	-23.14	-164.62	1,251.50	1,186.20	65.30	19.166	
11,000.00	10,653.19	10,913.10	10,708.75	32.68	38.02	-92.64	-75.92	-164.20	1,251.33	1,185.84	65.49	19.107	
11,050.00	10,668.24	10,968.30	10,721.06	32.71	38.11	-92.45	-129.71	-163.78	1,251.15	1,185.46	65.69	19.045	
11,100.00	10,679.09	11,023.02	10,728.11	32.74	38.21	-92.24	-183.94	-163.36	1,250.97	1,185.06	65.90	18.981	
11,143.18	10,685.00	11,069.85	10,730.00	32.77	38.30	-92.05	-230.72	-162.99	1,250.81	1,184.72	66.09	18.925	
11,200.00	10,690.66	11,126.36	10,730.00	32.83	38.41	-91.79	-287.24	-162.54	1,250.62	1,184.26	66.36	18.847	
11,300.00	10,700.61	11,225.87	10,730.00	32.96	38.65	-91.34	-386.74	-161.76	1,250.34	1,183.44	66.91	18.688	
11,400.00	10,710.57	11,325.37	10,730.00	33.14	38.93	-90.89	-486.24	-160.98	1,250.15	1,182.58	67.57	18.501	
11,500.00	10,720.52	11,424.87	10,730.00	33.38	39.27	-90.43	-585.74	-160.20	1,250.03	1,181.68	68.35	18.289	
11,596.60	10,730.14	11,521.00	10,730.00	33.67	39.64	-89.99	-681.86	-159.45	1,250.00	1,180.79	69.20	18.063	
11,600.00	10,730.47	11,524.38	10,730.00	33.68	39.65	-89.98	-685.24	-159.42	1,250.00	1,180.76	69.23	18.055	
11,645.46	10,735.00	11,569.62	10,730.00	33.84	39.85	-89.77	-730.47	-159.06	1,250.00	1,180.33	69.67	17.942	
11,700.00	10,740.43	11,623.88	10,730.00	34.04	40.09	-89.52	-784.74	-158.64	1,250.04	1,179.82	70.22	17.802	
11,800.00	10,750.38	11,723.38	10,730.00	34.48	40.56	-89.07	-884.24	-157.86	1,250.16	1,178.86	71.30	17.533	
11,900.00	10,760.34	11,822.89	10,730.00	34.98	41.09	-88.62	-983.74	-157.08	1,250.36	1,177.88	72.48	17.251	
12,000.00	10,770.29	11,922.39	10,730.00	35.55	41.65	-88.16	-1,083.24	-156.29	1,250.64	1,176.89	73.75	16.958	
12,100.00	10,780.25	12,021.89	10,730.00	36.18	42.25	-87.71	-1,182.74	-155.51	1,251.00	1,175.90	75.10	16.659	
12,147.74	10,785.00	12,069.40	10,730.00	36.50	42.56	-87.49	-1,230.24	-155.14	1,251.21	1,175.44	75.77	16.514	
12,200.00	10,789.73	12,121.44	10,730.00	36.87	42.90	-87.27	-1,282.28	-154.73	1,251.42	1,174.90	76.52	16.354	
12,241.96	10,792.84	12,163.29	10,730.00	37.17	43.18	-87.13	-1,324.13	-154.40	1,251.58	1,174.43	77.15	16.223	
12,300.00	10,796.71	12,221.20	10,730.00	37.61	43.58	-86.95	-1,382.04	-153.95	1,251.78	1,173.74	78.03	16.042	
12,400.00	10,803.39	12,320.97	10,730.00	38.40	44.30	-86.65	-1,481.81	-153.16	1,252.15	1,172.53	79.62	15.728	
12,500.00	10,810.07	12,420.75	10,730.00	39.23	45.05	-86.34	-1,581.58	-152.38	1,252.56	1,171.29	81.26	15.413	
12,600.00	10,816.74	12,520.53	10,730.00	40.10	45.84	-86.04	-1,681.36	-151.60	1,253.00	1,170.02	82.98	15.101	
12,648.78	10,820.00	12,569.20	10,730.00	40.54	46.23	-85.89	-1,730.02	-151.21	1,253.23	1,169.40	83.83	14.949	
12,700.00	10,822.96	12,620.33	10,730.00	41.01	46.66	-85.75	-1,781.16	-150.81	1,253.45	1,168.70	84.75	14.791	
12,732.66	10,824.38	12,652.97	10,730.00	41.32	46.93	-85.69	-1,813.79	-150.56	1,253.55	1,168.21	85.34	14.689	
12,800.00	10,826.90	12,720.25	10,730.00	41.95	47.50	-85.57	-1,881.08	-150.03	1,253.75	1,167.16	86.58	14.480	
12,900.00	10,830.66	12,820.18	10,730.00	42.93	48.38	-85.40	-1,981.00	-149.24	1,254.04	1,165.57	88.47	14.174	
13,000.00	10,834.41	12,920.11	10,730.00	43.92	49.28	-85.23	-2,080.93	-148.46	1,254.35	1,163.94	90.41	13.874	
13,100.00	10,838.16	13,020.04	10,730.00	44.95	50.21	-85.06	-2,180.86	-147.67	1,254.67	1,162.27	92.40	13.579	
13,148.97	10,840.00	13,068.98	10,730.00	45.46	50.67	-84.97	-2,229.79	-147.29	1,254.83	1,161.44	93.39	13.437	
13,185.98	10,841.63	13,105.95	10,730.00	45.85	51.02	-84.90	-2,266.76	-147.00	1,254.97	1,160.84	94.13	13.332	
13,200.00	10,842.34	13,119.95	10,730.00	46.00	51.16	-84.87	-2,280.77	-146.89	1,255.04	1,160.61	94.42	13.292	
13,300.00	10,847.38	13,219.83	10,730.00	47.07	52.13	-84.64	-2,380.64	-146.11	1,255.50	1,159.02	96.48	13.013	
13,400.00	10,852.42	13,319.70	10,730.00	48.16	53.12	-84.41	-2,480.50	-145.32	1,255.98	1,157.40	98.57	12.741	
13,500.00	10,857.47	13,419.57	10,730.00	49.27	54.13	-84.18	-2,580.37	-144.54	1,256.48	1,155.77	100.70	12.477	

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 #3	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	Rule Assigned:											Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Offset	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
13,600.00	10,862.51	13,519.45	10,730.00	50.40	55.16	-83.96	-2,680.24	-143.75	1,257.00	1,154.13	102.86	12.220	
13,649.39	10,865.00	13,568.77	10,730.00	50.96	55.68	-83.84	-2,729.56	-143.37	1,257.26	1,153.32	103.94	12.096	
13,700.00	10,867.11	13,619.34	10,730.00	51.54	56.21	-83.74	-2,780.13	-142.97	1,257.49	1,152.44	105.05	11.970	
13,745.95	10,868.24	13,665.27	10,730.00	52.07	56.70	-83.69	-2,826.07	-142.61	1,257.61	1,151.54	106.08	11.856	
13,800.00	10,869.15	13,719.32	10,730.00	52.70	57.28	-83.65	-2,880.11	-142.18	1,257.71	1,150.42	107.29	11.722	
13,900.00	10,870.82	13,819.30	10,730.00	53.87	58.36	-83.57	-2,980.09	-141.40	1,257.90	1,148.34	109.56	11.481	
14,000.00	10,872.50	13,919.29	10,730.00	55.05	59.46	-83.50	-3,080.07	-140.61	1,258.09	1,146.23	111.86	11.247	
14,100.00	10,874.17	14,019.27	10,730.00	56.25	60.57	-83.42	-3,180.06	-139.83	1,258.28	1,144.11	114.18	11.020	
14,149.29	10,875.00	14,068.55	10,730.00	56.84	61.13	-83.38	-3,229.33	-139.44	1,258.38	1,143.05	115.33	10.911	
14,199.83	10,875.40	14,119.09	10,730.00	57.45	61.70	-83.37	-3,279.87	-139.04	1,258.43	1,141.91	116.52	10.800	
14,300.00	10,875.31	14,219.26	10,730.00	58.67	62.84	-83.37	-3,380.04	-138.26	1,258.41	1,139.51	118.90	10.584	
14,400.00	10,875.22	14,319.26	10,730.00	59.89	63.99	-83.37	-3,480.04	-137.47	1,258.40	1,137.10	121.30	10.374	
14,500.00	10,875.13	14,419.26	10,730.00	61.13	65.15	-83.38	-3,580.04	-136.69	1,258.39	1,134.67	123.72	10.171	
14,600.00	10,875.04	14,519.26	10,730.00	62.37	66.32	-83.38	-3,680.03	-135.90	1,258.38	1,132.22	126.16	9.974	
14,649.08	10,875.00	14,568.35	10,730.00	62.98	66.90	-83.38	-3,729.11	-135.52	1,258.37	1,131.01	127.36	9.880	
14,651.91	10,875.00	14,571.18	10,730.00	63.02	66.93	-83.38	-3,731.94	-135.49	1,258.37	1,130.94	127.43	9.875	
14,700.00	10,875.41	14,619.26	10,730.00	63.62	67.50	-83.37	-3,780.03	-135.12	1,258.42	1,129.81	128.61	9.785	
14,713.04	10,875.66	14,632.30	10,730.00	63.79	67.66	-83.36	-3,793.07	-135.01	1,258.45	1,129.52	128.93	9.761	
14,800.00	10,877.52	14,719.24	10,730.00	64.88	68.70	-83.27	-3,880.00	-134.33	1,258.67	1,127.61	131.06	9.604	
14,900.00	10,879.66	14,819.22	10,730.00	66.15	69.90	-83.17	-3,979.98	-133.55	1,258.92	1,125.40	133.52	9.428	
15,000.00	10,881.81	14,919.19	10,730.00	67.43	71.11	-83.08	-4,079.95	-132.76	1,259.18	1,123.18	136.00	9.259	
15,100.00	10,883.95	15,019.17	10,730.00	68.71	72.33	-82.98	-4,179.92	-131.98	1,259.44	1,120.95	138.49	9.094	
15,148.97	10,885.00	15,068.13	10,730.00	69.34	72.93	-82.93	-4,228.88	-131.59	1,259.57	1,119.85	139.72	9.015	
15,153.08	10,885.09	15,072.24	10,730.00	69.39	72.98	-82.93	-4,232.99	-131.56	1,259.58	1,119.76	139.82	9.009	
15,200.00	10,886.02	15,119.15	10,730.00	70.00	73.55	-82.89	-4,279.90	-131.19	1,259.70	1,118.70	140.99	8.934	
15,300.00	10,888.02	15,219.13	10,730.00	71.29	74.79	-82.80	-4,379.88	-130.41	1,259.94	1,116.43	143.51	8.779	
15,400.00	10,890.02	15,319.11	10,730.00	72.59	76.03	-82.71	-4,479.85	-129.62	1,260.20	1,114.16	146.04	8.629	
15,500.00	10,892.02	15,419.09	10,730.00	73.90	77.28	-82.62	-4,579.83	-128.84	1,260.45	1,111.88	148.57	8.484	
15,600.00	10,894.02	15,519.07	10,730.00	75.21	78.53	-82.53	-4,679.81	-128.05	1,260.71	1,109.59	151.12	8.342	
15,648.86	10,895.00	15,567.92	10,730.00	75.85	79.15	-82.48	-4,728.65	-127.67	1,260.83	1,108.47	152.37	8.275	
15,709.86	10,896.87	15,628.89	10,730.00	76.65	79.92	-82.40	-4,789.63	-127.19	1,261.08	1,107.16	153.92	8.193	
15,800.00	10,900.59	15,718.95	10,730.00	77.84	81.06	-82.24	-4,879.68	-126.48	1,261.58	1,105.37	156.20	8.076	
15,900.00	10,904.72	15,818.87	10,730.00	79.16	82.33	-82.05	-4,979.60	-125.70	1,262.14	1,103.40	158.75	7.951	
16,000.00	10,908.85	15,918.78	10,730.00	80.49	83.61	-81.86	-5,079.51	-124.91	1,262.72	1,101.43	161.29	7.829	
16,100.00	10,912.98	16,018.70	10,730.00	81.82	84.89	-81.68	-5,179.42	-124.13	1,263.32	1,099.47	163.85	7.710	
16,149.05	10,915.00	16,067.70	10,730.00	82.48	85.52	-81.59	-5,228.42	-123.74	1,263.61	1,098.51	165.10	7.654	
16,205.71	10,917.90	16,124.29	10,730.00	83.24	86.25	-81.47	-5,285.01	-123.30	1,264.04	1,097.50	166.54	7.590	
16,300.00	10,923.65	16,218.40	10,730.00	84.50	87.46	-81.21	-5,379.12	-122.56	1,264.91	1,095.98	168.93	7.488	
16,400.00	10,929.76	16,318.22	10,730.00	85.84	88.76	-80.94	-5,478.93	-121.78	1,265.85	1,094.39	171.46	7.383	
16,500.00	10,935.86	16,418.03	10,730.00	87.19	90.06	-80.67	-5,578.74	-120.99	1,266.83	1,092.84	173.99	7.281	
16,600.00	10,941.96	16,517.85	10,730.00	88.54	91.36	-80.39	-5,678.55	-120.21	1,267.84	1,091.31	176.53	7.182	
16,649.75	10,945.00	16,567.50	10,730.00	89.21	92.01	-80.26	-5,728.20	-119.82	1,268.35	1,090.56	177.79	7.134	
16,700.00	10,947.63	16,617.68	10,730.00	89.89	92.67	-80.13	-5,778.39	-119.42	1,268.79	1,089.72	179.07	7.085	
16,748.50	10,949.33	16,666.15	10,730.00	90.54	93.30	-80.05	-5,826.86	-119.04	1,269.09	1,088.76	180.33	7.038	
16,800.00	10,950.70	16,717.63	10,730.00	91.24	93.98	-79.99	-5,878.33	-118.64	1,269.32	1,087.66	181.67	6.987	
16,900.00	10,953.36	16,817.60	10,730.00	92.59	95.30	-79.87	-5,978.30	-117.85	1,269.79	1,085.52	184.27	6.891	
17,000.00	10,956.02	16,917.56	10,730.00	93.95	96.62	-79.75	-6,078.26	-117.07	1,270.26	1,083.38	186.88	6.797	
17,100.00	10,958.68	17,017.53	10,730.00	95.31	97.94	-79.64	-6,178.22	-116.28	1,270.74	1,081.24	189.50	6.706	
17,149.77	10,960.00	17,067.29	10,730.00	95.99	98.60	-79.58	-6,227.97	-115.89	1,270.98	1,080.18	190.80	6.661	
17,199.83	10,960.89	17,117.33	10,730.00	96.67	99.26	-79.53	-6,278.01	-115.50	1,271.14	1,079.02	192.12	6.616	
17,300.00	10,961.81	17,217.50	10,730.00	98.04	100.59	-79.49	-6,378.18	-114.71	1,271.31	1,076.53	194.78	6.527	
17,400.00	10,962.72	17,317.49	10,730.00	99.40	101.93	-79.45	-6,478.18	-113.93	1,271.47	1,074.03	197.44	6.440	

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 #3	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)			
17,500.00	10,963.63	17,417.49	10,730.00	100.77	103.26	-79.41	-6,578.17	-113.14	1,271.64	1,071.54	200.10	6.355	
17,600.00	10,964.55	17,517.49	10,730.00	102.14	104.60	-79.37	-6,678.16	-112.36	1,271.80	1,069.03	202.77	6.272	
17,649.59	10,965.00	17,567.07	10,730.00	102.82	105.26	-79.35	-6,727.74	-111.97	1,271.89	1,067.79	204.09	6.232	
17,700.00	10,965.02	17,617.48	10,730.00	103.51	105.94	-79.35	-6,778.16	-111.57	1,271.89	1,066.44	205.45	6.191	
17,778.25	10,963.29	17,695.71	10,730.00	104.58	106.99	-79.44	-6,856.38	-110.96	1,271.57	1,063.97	207.60	6.125	
17,800.00	10,962.51	17,717.45	10,730.00	104.88	107.28	-79.47	-6,878.12	-110.79	1,271.43	1,063.23	208.20	6.107	
17,900.00	10,958.93	17,817.38	10,730.00	106.25	108.63	-79.63	-6,978.05	-110.00	1,270.78	1,059.80	210.98	6.023	
18,000.00	10,955.35	17,917.32	10,730.00	107.63	109.98	-79.79	-7,077.98	-109.22	1,270.14	1,056.38	213.77	5.942	
18,100.00	10,951.78	18,017.26	10,730.00	109.01	111.32	-79.95	-7,177.92	-108.43	1,269.51	1,052.96	216.56	5.862	
18,149.63	10,950.00	18,066.86	10,730.00	109.69	112.00	-80.02	-7,227.51	-108.04	1,269.21	1,051.27	217.94	5.824	
18,166.47	10,949.45	18,083.68	10,730.00	109.92	112.22	-80.05	-7,244.34	-107.91	1,269.11	1,050.70	218.41	5.811	
18,200.00	10,948.44	18,117.20	10,730.00	110.38	112.68	-80.09	-7,277.86	-107.65	1,268.94	1,049.60	219.34	5.785	
18,300.00	10,945.45	18,217.15	10,730.00	111.76	114.03	-80.22	-7,377.81	-106.86	1,268.43	1,046.30	222.13	5.710	
18,400.00	10,942.46	18,317.11	10,730.00	113.14	115.39	-80.36	-7,477.76	-106.08	1,267.92	1,043.00	224.91	5.637	
18,500.00	10,939.47	18,417.07	10,730.00	114.53	116.74	-80.49	-7,577.71	-105.29	1,267.42	1,039.71	227.71	5.566	
18,600.00	10,936.48	18,517.02	10,730.00	115.91	118.10	-80.62	-7,677.67	-104.51	1,266.93	1,036.43	230.50	5.496	
18,649.65	10,935.00	18,566.65	10,730.00	116.60	118.78	-80.69	-7,727.29	-104.12	1,266.69	1,034.80	231.89	5.462	
18,700.00	10,932.58	18,616.94	10,730.00	117.30	119.46	-80.81	-7,777.58	-103.72	1,266.30	1,032.98	233.32	5.427	
18,800.00	10,922.32	18,716.39	10,730.00	118.68	120.82	-81.34	-7,877.03	-102.94	1,264.70	1,028.43	236.27	5.353	
18,866.33	10,911.55	18,781.83	10,730.00	119.58	121.71	-81.88	-7,942.47	-102.43	1,263.11	1,024.81	238.30	5.301	
18,874.67	10,910.00	18,789.48	10,730.00	119.70	121.82	-81.94	-7,950.12	-102.37	1,262.89	1,024.35	238.54	5.294	

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 #3	Offset TVD Reference:	Offset Datum

Offset Design: Bell Lake Unit South - Bell Lake Unit South 408H - OH - OH													Offset Site Error: 0.00 usft
Survey Program: 225-MWD+HDGM													Offset Well Error: 0.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
0.00	0.00	0.00	0.00	0.00	0.00	0.22	39.79	0.15	39.79				
225.00	225.00	225.03	225.03	0.36	0.36	-23.29	39.65	-1.16	38.80	38.07	0.73	53.495	
421.00	420.99	421.11	421.09	1.06	1.07	-36.52	39.16	-3.22	37.05	34.92	2.13	17.387	
609.00	608.98	609.04	609.02	1.74	1.71	-52.70	38.73	-3.81	35.33	31.88	3.45	10.238	
796.00	795.97	796.00	795.98	2.41	2.35	-15.84	38.63	-3.48	33.45	28.69	4.76	7.027	
984.00	983.96	983.84	983.82	3.07	3.01	28.94	38.96	-3.68	32.01	25.93	6.08	5.267	
1,173.00	1,172.95	1,172.93	1,172.91	3.74	3.67	-41.46	39.47	-4.00	31.42	24.01	7.41	4.242	
1,276.48	1,276.43	1,276.54	1,276.52	4.10	4.03	-110.46	39.39	-3.99	31.27	23.14	8.13	3.846	CC, ES, SF
1,290.00	1,289.95	1,282.00	1,281.98	4.15	4.05	-115.83	39.38	-3.99	32.28	24.22	8.06	4.004	
1,362.00	1,361.95	1,282.00	1,281.98	4.40	4.05	-2.71	39.38	-3.99	85.88	79.90	5.98	14.352	
1,457.00	1,456.94	1,282.00	1,281.98	4.74	4.05	33.20	39.38	-3.99	177.54	171.86	5.68	31.256	
1,552.00	1,551.85	1,282.00	1,281.98	5.07	4.05	33.00	39.38	-3.99	271.26	265.59	5.67	47.834	
1,647.00	1,646.63	1,282.00	1,281.98	5.41	4.05	29.00	39.38	-3.99	365.44	359.73	5.71	63.949	
1,742.00	1,741.21	1,282.00	1,281.98	5.74	4.05	24.42	39.38	-3.99	459.77	453.99	5.78	79.582	
1,837.00	1,835.52	1,282.00	1,281.98	6.08	4.05	19.38	39.38	-3.99	554.12	548.27	5.85	94.719	
1,932.00	1,929.44	1,282.00	1,281.98	6.43	4.05	14.77	39.38	-3.99	648.43	642.50	5.93	109.348	
2,027.00	2,022.96	1,282.00	1,281.98	6.79	4.05	10.65	39.38	-3.99	742.68	736.66	6.02	123.454	
2,122.00	2,116.05	1,282.00	1,281.98	7.15	4.05	7.80	39.38	-3.99	836.87	830.76	6.11	137.044	
2,217.00	2,208.62	1,282.00	1,281.98	7.53	4.05	6.28	39.38	-3.99	930.93	924.73	6.20	150.139	
2,312.00	2,300.88	1,282.00	1,281.98	7.92	4.05	5.15	39.38	-3.99	1,025.01	1,018.71	6.30	162.710	
2,407.00	2,392.93	1,282.00	1,281.98	8.32	4.05	5.52	39.38	-3.99	1,119.13	1,112.73	6.40	174.823	
2,502.00	2,484.87	1,282.00	1,281.98	8.73	4.05	6.12	39.38	-3.99	1,213.34	1,206.83	6.51	186.498	
2,597.00	2,577.07	1,282.00	1,281.98	9.14	4.05	6.40	39.38	-3.99	1,307.77	1,301.15	6.61	197.751	
2,692.00	2,669.19	1,282.00	1,281.98	9.56	4.05	3.31	39.38	-3.99	1,402.25	1,395.53	6.72	208.668	
2,787.00	2,761.00	1,282.00	1,281.98	9.99	4.05	2.62	39.38	-3.99	1,496.68	1,489.85	6.83	219.196	
2,882.00	2,852.85	1,282.00	1,281.98	10.43	4.05	1.92	39.38	-3.99	1,591.19	1,584.25	6.94	229.300	
2,977.00	2,944.74	1,282.00	1,281.98	10.87	4.05	1.25	39.38	-3.99	1,685.77	1,678.72	7.05	239.041	
3,072.00	3,036.51	1,282.00	1,281.98	11.31	4.05	9.69	39.38	-3.99	1,780.35	1,773.18	7.17	248.443	
3,167.00	3,128.27	1,282.00	1,281.98	11.76	4.05	8.37	39.38	-3.99	1,874.95	1,867.67	7.28	257.472	
3,262.00	3,220.08	1,282.00	1,281.98	12.22	4.05	9.19	39.38	-3.99	1,969.62	1,962.22	7.40	266.152	

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

Altitude Energy Partners

Anticollision Report



Company:	Kaiser-Francis Oil Company	Local Co-ordinate Reference:	Well Bell Lake Unit South 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 #3	Offset TVD Reference:	Offset Datum

Offset Design: Bell Lake Unit South - Bell Lake Unit South 408H - OH - Plan #4												Offset Site Error:	0.00 usft
Survey Program: 0-MWD+HDGM												Offset Well Error:	0.00 usft
Reference	Offset	Semi Major Axis		Distance		Rule Assigned:		Warning					
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.00	0.00	0.00	0.00	0.00	0.00	0.22	39.79	0.15	39.79				
225.00	225.00	225.00	225.00	0.36	0.59	-21.36	39.79	0.15	38.91	37.96	0.95	41.017	
421.00	420.99	420.99	420.99	1.06	1.29	-31.28	39.79	0.15	37.44	35.09	2.35	15.910	
609.00	608.98	608.98	608.98	1.74	1.96	-46.17	39.79	0.15	35.92	32.22	3.70	9.706	
796.00	795.97	795.97	795.97	2.41	2.63	-9.46	39.79	0.15	34.08	29.04	5.04	6.763	
984.00	983.96	983.96	983.96	3.07	3.31	35.91	39.79	0.15	32.30	25.92	6.38	5.065	
1,173.00	1,172.95	1,172.95	1,172.95	3.74	3.98	-33.85	39.79	0.15	31.19	23.46	7.73	4.037	
1,251.68	1,251.63	1,251.63	1,251.63	4.02	4.27	-90.00	39.79	0.15	31.04	22.76	8.28	3.747	
1,290.00	1,289.95	1,289.95	1,289.95	4.15	4.40	-108.27	39.79	0.15	31.07	22.52	8.55	3.632	
1,362.00	1,361.95	1,361.95	1,361.95	4.40	4.66	4.91	39.79	0.15	31.07	22.00	9.06	3.427	
1,457.00	1,456.94	1,456.94	1,456.94	4.74	5.00	46.11	39.79	0.15	30.05	20.31	9.74	3.085	
1,552.00	1,551.85	1,551.85	1,551.85	5.07	5.34	59.01	39.79	0.15	27.71	17.30	10.41	2.661	
1,647.00	1,646.63	1,646.60	1,646.60	5.41	5.68	73.71	39.92	-0.21	25.20	14.12	11.08	2.274	
1,742.00	1,741.21	1,741.45	1,741.39	5.74	6.01	90.71	40.96	-3.14	23.91	12.16	11.75	2.034	
1,774.26	1,773.28	1,773.71	1,773.61	5.86	6.13	96.85	41.55	-4.81	23.81	11.83	11.98	1.987 Collision Risk Procedures Req., CC	
1,837.00	1,835.52	1,836.51	1,836.24	6.08	6.35	107.64	43.05	-9.05	24.16	11.74	12.42	1.945 Collision Risk Procedures Req., ES, SF	
1,932.00	1,929.44	1,931.76	1,931.02	6.43	6.68	121.12	46.20	-17.94	25.87	12.79	13.08	1.978 Collision Risk Procedures Req.	
2,027.00	2,022.96	2,026.96	2,025.42	6.79	7.02	132.79	50.32	-29.57	28.87	15.13	13.75	2.100	
2,122.00	2,116.05	2,121.76	2,119.33	7.15	7.37	141.06	54.63	-41.71	34.19	19.77	14.42	2.372	
2,217.00	2,208.62	2,216.35	2,213.04	7.53	7.72	147.06	58.92	-53.83	42.06	26.97	15.09	2.788	
2,312.00	2,300.88	2,310.80	2,306.62	7.92	8.07	152.97	63.21	-65.93	51.56	35.80	15.76	3.272	
2,407.00	2,392.93	2,405.16	2,400.11	8.32	8.42	154.93	67.50	-78.01	62.07	45.64	16.44	3.777	
2,502.00	2,484.87	2,499.48	2,493.55	8.73	8.77	157.46	71.78	-90.09	72.99	55.88	17.12	4.265	
2,597.00	2,577.07	2,593.91	2,587.11	9.14	9.13	159.52	76.07	-102.19	83.10	65.30	17.80	4.668	
2,692.00	2,669.19	2,688.30	2,680.62	9.56	9.49	162.31	80.35	-114.28	93.69	75.20	18.49	5.066	
2,787.00	2,761.00	2,782.54	2,773.99	9.99	9.85	163.57	84.63	-126.35	105.58	86.39	19.19	5.502	
2,882.00	2,852.85	2,876.79	2,867.36	10.43	10.21	164.78	88.91	-138.43	117.44	97.55	19.89	5.905	
2,977.00	2,944.74	2,971.06	2,960.75	10.87	10.57	165.51	93.19	-150.50	129.17	108.58	20.59	6.274	
3,072.00	3,036.51	3,065.29	3,054.11	11.31	10.94	161.26	97.47	-162.57	141.12	119.83	21.29	6.629	
3,167.00	3,128.27	3,159.52	3,147.47	11.76	11.30	163.25	101.75	-174.64	152.88	130.89	21.99	6.953	
3,262.00	3,220.08	3,253.79	3,240.86	12.22	11.67	163.58	106.03	-186.72	164.50	141.81	22.69	7.249	
3,357.00	3,311.76	3,347.97	3,334.17	12.67	12.04	165.48	110.30	-198.78	176.73	153.33	23.40	7.553	
3,452.00	3,403.32	3,442.10	3,427.43	13.14	12.40	166.77	114.58	-210.84	189.49	165.38	24.11	7.861	
3,547.00	3,495.00	3,536.29	3,520.74	13.60	12.77	166.33	118.85	-222.90	201.84	177.02	24.81	8.134	
3,642.00	3,586.87	3,630.57	3,614.15	14.06	13.14	166.88	123.13	-234.98	213.43	187.90	25.52	8.362	
3,737.00	3,678.84	3,724.90	3,707.60	14.52	13.51	166.58	127.42	-247.06	224.62	198.38	26.24	8.562	
3,832.00	3,770.66	3,819.17	3,800.99	14.99	13.88	165.51	131.70	-259.14	236.31	209.36	26.95	8.769	
3,926.00	3,861.51	3,912.43	3,893.39	15.45	14.25	167.13	135.93	-271.08	247.91	220.26	27.65	8.965	
4,021.00	3,953.41	4,006.73	3,986.82	15.91	14.62	168.87	140.21	-283.16	259.41	231.04	28.37	9.144	
4,116.00	4,045.05	4,100.89	4,080.11	16.39	14.99	169.26	144.49	-295.23	271.97	242.89	29.08	9.351	
4,211.00	4,136.50	4,194.95	4,173.29	16.87	15.36	169.92	148.76	-307.27	285.28	255.48	29.80	9.572	
4,306.00	4,227.78	4,288.92	4,266.39	17.36	15.74	170.68	153.03	-319.31	299.23	268.71	30.52	9.804	
4,401.00	4,318.73	4,382.71	4,359.30	17.85	16.11	170.71	157.28	-331.32	314.37	283.13	31.24	10.062	
4,496.00	4,409.75	4,476.53	4,452.25	18.35	16.48	172.39	161.54	-343.34	329.30	297.33	31.97	10.302	
4,591.00	4,501.22	4,570.57	4,545.42	18.84	16.85	173.41	165.81	-355.39	342.73	310.04	32.69	10.485	
4,686.00	4,592.94	4,664.75	4,638.73	19.32	17.23	168.46	170.09	-367.45	355.14	321.73	33.41	10.630	
4,781.00	4,684.49	4,758.89	4,731.99	19.80	17.60	164.84	174.36	-379.51	367.79	333.66	34.13	10.776	
4,876.00	4,775.97	4,852.99	4,825.23	20.29	17.97	165.99	178.64	-391.56	380.54	345.69	34.85	10.920	
4,971.00	4,867.84	4,947.28	4,918.64	20.76	18.35	168.49	182.92	-403.64	392.02	356.45	35.57	11.022	
5,066.00	4,959.87	5,041.65	5,012.13	21.23	18.72	166.39	187.20	-415.73	402.88	366.59	36.29	11.103	
5,152.00	5,042.95	5,126.97	5,096.66	21.67	19.06	168.30	191.08	-426.66	413.61	376.67	36.94	11.197	
5,200.00	5,089.23	5,174.54	5,143.79	21.83	19.25	168.39	193.24	-432.75	419.95	382.72	37.23	11.279	

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 #3	Offset TVD Reference:	Offset Datum

Offset Design: Bell Lake Unit South - Bell Lake Unit South 408H - OH - Plan #4													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)			
5,219.00	5,107.55	5,193.37	5,162.45	21.86	19.33	168.42	194.09	-435.16	422.47	385.17	37.31	11.325	
5,300.00	5,185.58	5,273.60	5,241.93	21.99	19.65	174.30	197.73	-445.44	433.64	396.02	37.61	11.529	
5,324.13	5,208.80	5,297.47	5,265.58	22.04	19.74	175.95	198.82	-448.50	437.12	399.42	37.71	11.593	
5,400.00	5,281.76	5,372.51	5,339.92	22.17	20.04	175.75	202.22	-458.11	448.20	410.20	38.01	11.793	
5,500.00	5,377.94	5,471.42	5,437.91	22.36	20.44	175.50	206.72	-470.78	462.82	424.41	38.41	12.051	
5,600.00	5,474.11	5,570.32	5,535.90	22.56	20.83	175.26	211.21	-483.45	477.44	438.63	38.82	12.300	
5,700.00	5,570.28	5,669.23	5,633.89	22.78	21.23	175.04	215.70	-496.12	492.07	452.84	39.24	12.541	
5,800.00	5,666.46	5,768.14	5,731.88	23.00	21.62	174.83	220.19	-508.79	506.71	467.05	39.66	12.775	
5,900.00	5,762.63	5,867.04	5,829.87	23.23	22.02	174.63	224.68	-521.46	521.35	481.25	40.10	13.001	
6,000.00	5,858.81	5,965.95	5,927.86	23.48	22.41	174.45	229.17	-534.13	536.00	495.46	40.55	13.220	
6,100.00	5,954.98	6,064.86	6,025.85	23.73	22.81	174.27	233.66	-546.80	550.65	509.66	41.00	13.431	
6,200.00	6,051.15	6,163.76	6,123.84	23.99	23.20	174.10	238.15	-559.47	565.31	523.85	41.46	13.635	
6,300.00	6,147.33	6,262.67	6,221.83	24.26	23.60	173.95	242.64	-572.14	579.98	538.04	41.93	13.831	
6,400.00	6,243.50	6,361.58	6,319.81	24.54	24.00	173.80	247.13	-584.80	594.64	552.23	42.41	14.021	
6,500.00	6,339.68	6,460.48	6,417.80	24.83	24.39	173.65	251.62	-597.47	609.31	566.42	42.90	14.204	
6,600.00	6,435.85	6,559.39	6,515.79	25.12	24.79	173.52	256.11	-610.14	623.99	580.60	43.39	14.380	
6,700.00	6,532.03	6,658.30	6,613.78	25.43	25.18	173.38	260.60	-622.81	638.67	594.77	43.89	14.550	
6,800.00	6,628.20	6,757.20	6,711.77	25.74	25.58	173.26	265.09	-635.48	653.35	608.94	44.40	14.714	
6,890.42	6,715.16	6,846.63	6,800.37	26.03	25.94	173.15	269.16	-646.94	666.63	621.75	44.87	14.856	
6,900.00	6,724.38	6,856.11	6,809.76	26.06	25.98	173.14	269.59	-648.15	668.02	623.10	44.92	14.871	
7,000.00	6,821.10	6,955.29	6,908.02	26.37	26.38	173.04	274.09	-660.86	680.66	635.21	45.44	14.978	
7,100.00	6,918.64	7,054.84	7,006.65	26.65	26.77	172.90	278.61	-673.61	689.86	643.89	45.97	15.006	
7,200.00	7,016.89	7,154.64	7,105.52	26.91	27.17	172.71	283.14	-686.39	695.61	649.11	46.51	14.958	
7,300.00	7,115.74	7,236.96	7,187.21	27.13	27.50	172.56	286.53	-695.97	699.11	652.15	46.96	14.887	
7,400.00	7,215.05	7,318.29	7,268.17	27.34	27.81	172.44	289.12	-703.25	701.81	654.43	47.38	14.811	
7,500.00	7,314.70	7,400.00	7,349.69	27.51	28.11	172.36	290.94	-708.39	703.71	655.93	47.78	14.729	
7,600.00	7,414.59	7,480.92	7,430.55	27.66	28.39	172.32	291.97	-711.32	704.81	656.68	48.13	14.644	
7,685.43	7,500.00	7,550.38	7,500.00	27.76	28.62	88.63	292.26	-712.11	705.10	656.70	48.40	14.568	
7,700.00	7,514.57	7,564.95	7,514.57	27.78	28.66	88.63	292.26	-712.11	705.10	656.63	48.47	14.548	
7,800.00	7,614.57	7,664.95	7,614.57	27.89	28.99	88.63	292.26	-712.11	705.10	656.16	48.94	14.406	
7,900.00	7,714.57	7,764.95	7,714.57	28.01	29.32	88.63	292.26	-712.11	705.10	655.67	49.43	14.265	
8,000.00	7,814.57	7,864.95	7,814.57	28.13	29.65	88.63	292.26	-712.11	705.10	655.18	49.92	14.124	
8,100.00	7,914.57	7,964.95	7,914.57	28.25	29.98	88.63	292.26	-712.11	705.10	654.68	50.42	13.985	
8,200.00	8,014.57	8,064.95	8,014.57	28.38	30.31	88.63	292.26	-712.11	705.10	654.18	50.92	13.848	
8,300.00	8,114.57	8,164.95	8,114.57	28.51	30.64	88.63	292.26	-712.11	705.10	653.68	51.42	13.711	
8,400.00	8,214.57	8,264.95	8,214.57	28.65	30.97	88.63	292.26	-712.11	705.10	653.16	51.94	13.577	
8,500.00	8,314.57	8,364.95	8,314.57	28.79	31.30	88.63	292.26	-712.11	705.10	652.65	52.45	13.443	
8,600.00	8,414.57	8,464.95	8,414.57	28.93	31.64	88.63	292.26	-712.11	705.10	652.13	52.97	13.311	
8,700.00	8,514.57	8,564.95	8,514.57	29.08	31.97	88.63	292.26	-712.11	705.10	651.60	53.50	13.180	
8,800.00	8,614.57	8,664.95	8,614.57	29.23	32.30	88.63	292.26	-712.11	705.10	651.07	54.03	13.051	
8,900.00	8,714.57	8,764.95	8,714.57	29.39	32.64	88.63	292.26	-712.11	705.10	650.54	54.56	12.923	
9,000.00	8,814.57	8,864.95	8,814.57	29.54	32.97	88.63	292.26	-712.11	705.10	650.00	55.10	12.797	
9,100.00	8,914.57	8,964.95	8,914.57	29.71	33.31	88.63	292.26	-712.11	705.10	649.46	55.64	12.672	
9,200.00	9,014.57	9,064.95	9,014.57	29.87	33.64	88.63	292.26	-712.11	705.10	648.91	56.19	12.549	
9,300.00	9,114.57	9,164.95	9,114.57	30.04	33.98	88.63	292.26	-712.11	705.10	648.36	56.74	12.427	
9,400.00	9,214.57	9,264.95	9,214.57	30.21	34.32	88.63	292.26	-712.11	705.10	647.81	57.29	12.307	
9,500.00	9,314.57	9,364.95	9,314.57	30.39	34.66	88.63	292.26	-712.11	705.10	647.25	57.85	12.188	
9,600.00	9,414.57	9,464.95	9,414.57	30.57	34.99	88.63	292.26	-712.11	705.10	646.69	58.41	12.071	
9,700.00	9,514.57	9,564.95	9,514.57	30.75	35.33	88.63	292.26	-712.11	705.10	646.12	58.98	11.955	
9,800.00	9,614.57	9,664.95	9,614.57	30.93	35.67	88.63	292.26	-712.11	705.10	645.55	59.55	11.841	
9,900.00	9,714.57	9,764.95	9,714.57	31.12	36.01	88.63	292.26	-712.11	705.10	644.98	60.12	11.728	
10,000.00	9,814.57	9,864.95	9,814.57	31.31	36.35	88.63	292.26	-712.11	705.10	644.40	60.70	11.617	

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 #3	Offset TVD Reference:	Offset Datum

Offset Design: Bell Lake Unit South - Bell Lake Unit South 408H - OH - Plan #4													Offset Site Error: 0.00 usft
Survey Program: 0-MWD+HDGM													Offset Well Error: 0.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
10,100.00	9,914.57	9,964.95	9,914.57	31.50	36.69	88.63	292.26	-712.11	705.10	643.83	61.27	11.507	
10,200.00	10,014.57	10,064.95	10,014.57	31.70	37.03	88.63	292.26	-712.11	705.10	643.24	61.86	11.399	
10,300.31	10,114.89	10,165.27	10,114.89	31.89	37.37	88.63	292.26	-712.11	705.10	642.66	62.44	11.293	
10,350.00	10,164.51	10,214.89	10,164.51	31.98	37.54	-91.09	292.26	-712.11	705.14	642.41	62.73	11.242	
10,400.00	10,214.07	10,264.45	10,214.07	32.07	37.71	-91.60	292.26	-712.11	705.29	642.26	63.03	11.190	
10,450.00	10,262.88	10,313.25	10,262.88	32.15	37.87	-92.41	292.26	-712.11	705.68	642.34	63.34	11.141	
10,500.00	10,310.56	10,360.93	10,310.56	32.23	38.04	-93.49	292.26	-712.11	706.49	642.83	63.66	11.097	
10,550.00	10,356.75	10,407.12	10,356.75	32.29	38.19	-94.77	292.26	-712.11	707.99	643.99	63.99	11.063	
10,600.00	10,401.10	10,451.47	10,401.10	32.36	38.35	-96.17	292.26	-712.11	710.47	646.13	64.34	11.043	
10,650.00	10,443.27	10,493.64	10,443.27	32.41	38.49	-97.60	292.26	-712.11	714.29	649.60	64.69	11.042	
10,700.00	10,482.94	10,533.32	10,482.94	32.46	38.63	-98.97	292.26	-712.11	719.80	654.75	65.05	11.065	
10,750.00	10,519.81	10,570.19	10,519.81	32.51	38.75	-100.18	292.26	-712.11	727.36	661.94	65.42	11.118	
10,800.00	10,553.60	10,603.97	10,553.60	32.55	38.87	-101.14	292.26	-712.11	737.28	671.49	65.79	11.206	
10,850.00	10,584.05	10,634.42	10,584.05	32.58	38.97	-101.75	292.26	-712.11	749.84	683.68	66.16	11.334	
10,900.00	10,610.93	10,661.30	10,610.93	32.62	39.06	-101.93	292.26	-712.11	765.22	698.70	66.52	11.503	
10,950.00	10,634.03	10,684.41	10,634.03	32.65	39.14	-101.59	292.26	-712.11	783.52	716.66	66.87	11.718	
11,000.00	10,653.19	10,703.56	10,653.19	32.68	39.21	-100.68	292.26	-712.11	804.74	737.55	67.19	11.978	
11,050.00	10,668.24	10,718.62	10,668.24	32.71	39.26	-99.11	292.26	-712.11	828.77	761.30	67.48	12.283	
11,100.00	10,679.09	10,729.46	10,679.09	32.74	39.30	-96.83	292.26	-712.11	855.43	787.70	67.73	12.630	
11,143.18	10,685.00	10,735.38	10,685.00	32.77	39.32	-94.26	292.26	-712.11	880.36	812.44	67.92	12.962	
11,200.00	10,690.66	10,741.03	10,690.66	32.83	39.34	-94.71	292.26	-712.11	915.34	847.20	68.13	13.434	
11,300.00	10,700.61	10,750.99	10,700.61	32.96	39.37	-95.51	292.26	-712.11	981.79	913.33	68.47	14.340	
11,400.00	10,710.57	11,988.30	11,475.59	33.14	41.79	-137.42	-429.15	-706.44	1,042.14	980.87	61.27	17.009	
11,500.00	10,720.52	12,088.28	11,483.58	33.38	42.08	-137.35	-528.81	-705.66	1,040.69	978.73	61.96	16.795	
11,600.00	10,730.47	12,188.26	11,491.58	33.68	42.42	-137.28	-628.46	-704.88	1,039.24	976.51	62.73	16.566	
11,645.46	10,735.00	12,233.71	11,495.21	33.84	42.60	-137.24	-673.77	-704.52	1,038.59	975.48	63.11	16.457	
11,700.00	10,740.43	12,288.24	11,499.57	34.04	42.82	-137.20	-728.12	-704.10	1,037.80	974.22	63.57	16.324	
11,800.00	10,750.38	12,388.22	11,507.57	34.48	43.27	-137.13	-827.78	-703.31	1,036.35	971.87	64.49	16.070	
11,900.00	10,760.34	12,488.20	11,515.56	34.98	43.76	-137.06	-927.44	-702.53	1,034.91	969.44	65.47	15.807	
12,000.00	10,770.29	12,588.18	11,523.55	35.55	44.29	-136.98	-1,027.09	-701.75	1,033.47	966.96	66.52	15.537	
12,100.00	10,780.25	12,688.16	11,531.55	36.18	44.86	-136.91	-1,126.75	-700.97	1,032.04	964.41	67.63	15.260	
12,147.74	10,785.00	12,735.90	11,535.37	36.50	45.14	-136.87	-1,174.33	-700.59	1,031.36	963.18	68.18	15.127	
12,200.00	10,789.73	12,788.15	11,539.55	36.87	45.46	-136.86	-1,226.42	-700.18	1,030.96	962.17	68.79	14.987	
12,204.10	10,790.06	12,792.25	11,539.87	36.90	45.49	-136.86	-1,230.50	-700.15	1,030.95	962.12	68.84	14.977	
12,241.96	10,792.84	12,822.57	11,542.44	37.17	45.68	-136.86	-1,260.71	-699.92	1,031.27	962.09	69.18	14.907	
12,300.00	10,796.71	12,868.49	11,546.94	37.61	45.98	-136.92	-1,306.41	-699.56	1,032.59	962.90	69.69	14.817	
12,400.00	10,803.39	12,953.68	11,557.07	38.40	46.56	-137.09	-1,390.99	-698.89	1,036.39	965.76	70.63	14.673	
12,500.00	10,810.07	13,053.51	11,569.56	39.23	47.27	-137.31	-1,490.03	-698.11	1,040.69	968.90	71.79	14.496	
12,600.00	10,816.74	13,153.33	11,582.06	40.10	48.01	-137.53	-1,589.07	-697.34	1,045.02	972.03	72.99	14.318	
12,648.78	10,820.00	13,202.03	11,588.16	40.54	48.38	-137.63	-1,637.38	-696.96	1,047.13	973.55	73.58	14.230	
12,700.00	10,822.96	13,253.13	11,594.56	41.01	48.78	-137.72	-1,688.08	-696.56	1,049.69	975.48	74.21	14.144	
12,732.66	10,824.38	13,285.68	11,598.63	41.32	49.04	-137.80	-1,720.37	-696.31	1,051.68	977.07	74.61	14.096	
12,800.00	10,826.90	13,340.67	11,605.85	41.95	49.48	-137.98	-1,774.88	-695.88	1,056.40	981.17	75.23	14.041	
12,900.00	10,830.66	13,432.09	11,619.46	42.93	50.24	-138.35	-1,865.28	-695.17	1,064.72	988.42	76.30	13.955	
13,000.00	10,834.41	13,531.45	11,634.40	43.92	51.09	-138.75	-1,963.50	-694.40	1,073.23	995.73	77.51	13.847	
13,100.00	10,838.16	13,630.80	11,649.35	44.95	51.96	-139.15	-2,061.72	-693.62	1,081.79	1,003.05	78.74	13.739	
13,148.97	10,840.00	13,679.46	11,656.66	45.46	52.40	-139.34	-2,109.83	-693.25	1,086.00	1,006.65	79.35	13.686	
13,185.98	10,841.63	13,716.25	11,662.20	45.85	52.73	-139.51	-2,146.20	-692.96	1,089.01	1,009.19	79.82	13.643	
13,200.00	10,842.34	13,730.21	11,664.30	46.00	52.86	-139.56	-2,159.99	-692.85	1,090.09	1,010.08	80.00	13.626	
13,300.00	10,847.38	13,841.48	11,680.76	47.07	53.89	-139.93	-2,270.04	-691.99	1,097.61	1,016.09	81.52	13.464	
13,400.00	10,852.42	13,983.02	11,696.61	48.16	55.23	-140.22	-2,410.67	-690.88	1,102.35	1,018.65	83.70	13.170	
13,500.00	10,857.47	14,096.06	11,705.10	49.27	56.33	-140.32	-2,523.38	-690.00	1,104.20	1,018.72	85.49	12.917	

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 #3	Offset TVD Reference:	Offset Datum

Offset Design: Bell Lake Unit South - Bell Lake Unit South 408H - OH - Plan #4												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	
13,600.00	10,862.51	14,196.03	11,712.31	50.40	57.32	-140.39	-2,623.09	-689.22	1,105.87	1,018.82	87.06	12.703	
13,649.39	10,865.00	14,245.41	11,715.87	50.96	57.81	-140.42	-2,672.34	-688.83	1,106.70	1,018.86	87.84	12.599	
13,700.00	10,867.11	14,296.00	11,719.52	51.54	58.32	-140.46	-2,722.80	-688.43	1,107.89	1,019.25	88.64	12.499	
13,745.95	10,868.24	14,358.61	11,723.49	52.07	58.96	-140.52	-2,785.28	-687.94	1,109.28	1,019.58	89.69	12.367	
13,800.00	10,869.15	14,435.72	11,726.51	52.70	59.75	-140.58	-2,862.33	-687.34	1,110.21	1,019.17	91.04	12.195	
13,900.00	10,870.82	14,578.39	11,726.63	53.87	61.24	-140.50	-3,004.98	-686.22	1,108.98	1,015.33	93.66	11.841	
14,000.00	10,872.50	14,683.21	11,723.55	55.05	62.35	-140.34	-3,109.75	-685.39	1,105.42	1,009.82	95.60	11.563	
14,100.00	10,874.17	14,783.10	11,720.57	56.25	63.43	-140.19	-3,209.59	-684.61	1,101.84	1,004.37	97.46	11.305	
14,149.29	10,875.00	14,825.45	11,719.40	56.84	63.89	-140.13	-3,251.93	-684.28	1,100.17	1,001.93	98.23	11.199	
14,199.83	10,875.40	14,864.48	11,718.82	57.45	64.31	-140.11	-3,290.95	-683.97	1,099.28	1,000.38	98.90	11.115	
14,226.45	10,875.38	14,885.05	11,718.73	57.77	64.54	-140.11	-3,311.52	-683.81	1,099.21	999.97	99.24	11.076	
14,300.00	10,875.31	14,941.87	11,719.24	58.67	65.16	-140.12	-3,368.33	-683.36	1,099.77	999.62	100.16	10.981	
14,400.00	10,875.22	15,019.03	11,721.74	59.89	66.02	-140.21	-3,445.45	-682.76	1,102.33	1,001.00	101.33	10.878	
14,500.00	10,875.13	15,101.08	11,726.59	61.13	66.94	-140.37	-3,527.34	-682.11	1,106.91	1,004.36	102.55	10.794	
14,600.00	10,875.04	15,200.85	11,733.25	62.37	68.08	-140.60	-3,626.89	-681.33	1,112.13	1,007.98	104.16	10.678	
14,649.08	10,875.00	15,249.82	11,736.52	62.98	68.64	-140.70	-3,675.75	-680.95	1,114.70	1,009.76	104.95	10.621	
14,700.00	10,875.41	15,300.65	11,739.92	63.62	69.23	-140.83	-3,726.46	-680.55	1,117.02	1,011.24	105.78	10.559	
14,713.04	10,875.66	15,318.78	11,741.08	63.79	69.44	-140.86	-3,744.56	-680.41	1,117.48	1,011.35	106.12	10.530	
14,800.00	10,877.52	15,443.52	11,745.96	64.88	70.88	-140.93	-3,869.19	-679.43	1,118.68	1,010.12	108.55	10.306	
14,900.00	10,879.66	15,562.59	11,746.10	66.15	72.27	-140.86	-3,988.26	-678.49	1,117.03	1,006.13	110.90	10.072	
15,000.00	10,881.81	15,662.56	11,745.64	67.43	73.44	-140.77	-4,088.22	-677.71	1,115.01	1,002.17	112.84	9.881	
15,100.00	10,883.95	15,762.53	11,745.18	68.71	74.63	-140.69	-4,188.18	-676.92	1,112.99	998.19	114.80	9.695	
15,148.97	10,885.00	15,809.11	11,744.97	69.34	75.18	-140.65	-4,234.76	-676.56	1,112.02	996.31	115.71	9.611	
15,153.08	10,885.09	15,812.27	11,744.97	69.39	75.22	-140.65	-4,237.92	-676.53	1,111.95	996.19	115.76	9.605	
15,200.00	10,886.02	15,849.34	11,745.18	70.00	75.66	-140.63	-4,274.99	-676.24	1,111.42	994.99	116.44	9.545	
15,300.00	10,888.02	15,949.34	11,746.25	71.29	76.86	-140.60	-4,374.98	-675.46	1,110.70	992.34	118.36	9.384	
15,400.00	10,890.02	16,049.33	11,747.32	72.59	78.07	-140.57	-4,474.97	-674.67	1,109.98	989.68	120.30	9.227	
15,500.00	10,892.02	16,149.33	11,748.39	73.90	79.29	-140.54	-4,574.95	-673.89	1,109.26	987.01	122.25	9.074	
15,600.00	10,894.02	16,249.33	11,749.45	75.21	80.51	-140.51	-4,674.94	-673.10	1,108.54	984.33	124.21	8.925	
15,648.86	10,895.00	16,298.18	11,749.98	75.85	81.11	-140.49	-4,723.79	-672.72	1,108.19	983.02	125.17	8.854	
15,709.86	10,896.87	16,345.67	11,750.84	76.65	81.70	-140.47	-4,771.27	-672.34	1,107.61	981.57	126.04	8.788	
15,764.83	10,899.14	16,388.01	11,752.28	77.38	82.22	-140.46	-4,813.58	-672.01	1,107.30	980.49	126.80	8.732	
15,800.00	10,900.59	16,415.10	11,753.52	77.84	82.56	-140.46	-4,840.65	-671.80	1,107.43	980.15	127.27	8.701	
15,900.00	10,904.72	16,510.68	11,758.83	79.16	83.75	-140.50	-4,936.08	-671.05	1,108.52	979.46	129.06	8.589	
16,000.00	10,908.85	16,610.67	11,764.41	80.49	85.01	-140.55	-5,035.91	-670.27	1,109.64	978.68	130.96	8.473	
16,100.00	10,912.98	16,710.66	11,770.00	81.82	86.27	-140.60	-5,135.74	-669.48	1,110.77	977.90	132.87	8.360	
16,149.05	10,915.00	16,759.71	11,772.74	82.48	86.89	-140.62	-5,184.71	-669.10	1,111.33	977.52	133.81	8.305	
16,205.71	10,917.90	16,823.30	11,776.20	83.24	87.69	-140.63	-5,248.21	-668.60	1,111.48	976.38	135.10	8.227	
16,300.00	10,923.65	16,957.80	11,779.47	84.50	89.40	-140.47	-5,382.65	-667.54	1,108.81	970.66	138.15	8.026	
16,400.00	10,929.76	17,057.06	11,779.63	85.84	90.66	-140.27	-5,481.90	-666.76	1,104.22	963.85	140.37	7.867	
16,500.00	10,935.86	17,156.88	11,779.78	87.19	91.93	-140.08	-5,581.72	-665.98	1,099.65	957.03	142.62	7.710	
16,600.00	10,941.96	17,256.71	11,779.93	88.54	93.21	-139.88	-5,681.54	-665.20	1,095.09	950.21	144.88	7.558	
16,649.75	10,945.00	17,307.67	11,780.00	89.21	93.86	-139.77	-5,732.50	-664.80	1,092.82	946.77	146.05	7.483	
16,700.00	10,947.63	17,357.85	11,780.00	89.89	94.50	-139.71	-5,782.68	-664.40	1,090.81	943.63	147.18	7.411	
16,748.50	10,949.33	17,406.32	11,780.00	90.54	95.13	-139.67	-5,831.15	-664.02	1,089.51	941.27	148.24	7.350	
16,800.00	10,950.70	17,457.80	11,780.00	91.24	95.79	-139.62	-5,882.63	-663.62	1,088.47	939.12	149.35	7.288	
16,900.00	10,953.36	17,557.77	11,780.00	92.59	97.08	-139.53	-5,982.59	-662.84	1,086.44	934.94	151.50	7.171	
17,000.00	10,956.02	17,657.73	11,780.00	93.95	98.38	-139.44	-6,082.56	-662.05	1,084.42	930.75	153.67	7.057	
17,100.00	10,958.68	17,757.70	11,780.00	95.31	99.68	-139.35	-6,182.52	-661.27	1,082.40	926.56	155.84	6.946	
17,149.77	10,960.00	17,800.00	11,780.00	95.99	100.23	-139.31	-6,224.82	-660.94	1,081.42	924.70	156.72	6.900	
17,188.76	10,960.77	17,835.78	11,780.24	96.52	100.70	-139.30	-6,260.60	-660.66	1,081.04	923.58	157.46	6.865	
17,199.83	10,960.89	17,844.38	11,780.37	96.67	100.81	-139.30	-6,269.19	-660.59	1,081.07	923.45	157.62	6.859	

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 #3	Offset TVD Reference:	Offset Datum

Offset Design: Bell Lake Unit South - Bell Lake Unit South 408H - OH - Plan #4													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	
17,300.00	10,961.81	17,922.23	11,782.67	98.04	101.83	-139.35	-6,347.01	-659.98	1,082.63	923.67	158.96	6.811	
17,400.00	10,962.72	18,000.00	11,787.08	99.40	102.86	-139.48	-6,424.65	-659.37	1,086.24	926.09	160.14	6.783	
17,500.00	10,963.63	18,093.98	11,794.25	100.77	104.10	-139.70	-6,518.35	-658.63	1,091.34	929.65	161.69	6.750	
17,600.00	10,964.55	18,193.75	11,801.92	102.14	105.42	-139.92	-6,617.82	-657.85	1,096.53	933.13	163.40	6.711	
17,649.59	10,965.00	18,243.22	11,805.73	102.82	106.07	-140.04	-6,667.14	-657.46	1,099.11	934.87	164.24	6.692	
17,700.00	10,965.02	18,293.48	11,809.60	103.51	106.74	-140.13	-6,717.26	-657.07	1,102.08	937.00	165.08	6.676	
17,778.25	10,963.29	18,402.18	11,816.10	104.58	108.18	-140.36	-6,825.75	-656.22	1,107.03	939.80	167.23	6.620	
17,800.00	10,962.51	18,433.11	11,817.19	104.88	108.60	-140.43	-6,856.65	-655.98	1,108.22	940.37	167.85	6.603	
17,900.00	10,958.93	18,554.27	11,818.72	106.25	110.20	-140.63	-6,977.80	-655.02	1,111.87	941.65	170.23	6.532	
18,000.00	10,955.35	18,654.19	11,819.24	107.63	111.53	-140.76	-7,077.71	-654.24	1,115.05	942.99	172.06	6.481	
18,100.00	10,951.78	18,754.10	11,819.77	109.01	112.86	-140.89	-7,177.62	-653.46	1,118.23	944.34	173.89	6.431	
18,149.63	10,950.00	18,800.00	11,820.01	109.69	113.48	-140.95	-7,223.52	-653.09	1,119.82	945.12	174.70	6.410	
18,166.47	10,949.45	18,815.29	11,820.14	109.92	113.68	-140.98	-7,238.80	-652.97	1,120.37	945.40	174.97	6.403	
18,200.00	10,948.44	18,840.97	11,820.55	110.38	114.02	-141.02	-7,264.48	-652.77	1,121.56	946.19	175.37	6.396	
18,300.00	10,945.45	18,919.58	11,823.20	111.76	115.08	-141.18	-7,343.05	-652.16	1,126.49	950.00	176.49	6.383	
18,400.00	10,942.46	19,019.31	11,827.63	113.14	116.42	-141.41	-7,442.67	-651.37	1,132.29	954.15	178.14	6.356	
18,500.00	10,939.47	19,119.03	11,832.06	114.53	117.76	-141.65	-7,542.29	-650.59	1,138.11	958.33	179.78	6.331	
18,600.00	10,936.48	19,218.75	11,836.49	115.91	119.10	-141.88	-7,641.91	-649.81	1,143.95	962.54	181.42	6.306	
18,649.65	10,935.00	19,268.27	11,838.69	116.60	119.77	-141.99	-7,691.38	-649.42	1,146.86	964.63	182.23	6.293	
18,700.00	10,932.58	19,319.97	11,840.96	117.30	120.47	-142.04	-7,743.03	-649.01	1,150.51	967.46	183.05	6.285	
18,800.00	10,922.32	19,418.90	11,845.18	118.68	121.80	-142.19	-7,841.86	-648.24	1,162.00	977.72	184.28	6.306	
18,866.33	10,911.55	19,483.82	11,847.95	119.58	122.68	-142.31	-7,906.72	-647.73	1,172.80	987.94	184.87	6.344	
18,874.67	10,910.00	19,491.94	11,848.30	119.70	122.79	-142.37	-7,914.84	-647.66	1,174.32	989.39	184.93	6.350	

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 #3	Offset TVD Reference:	Offset Datum

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

Offset Depths are relative to Offset Datum

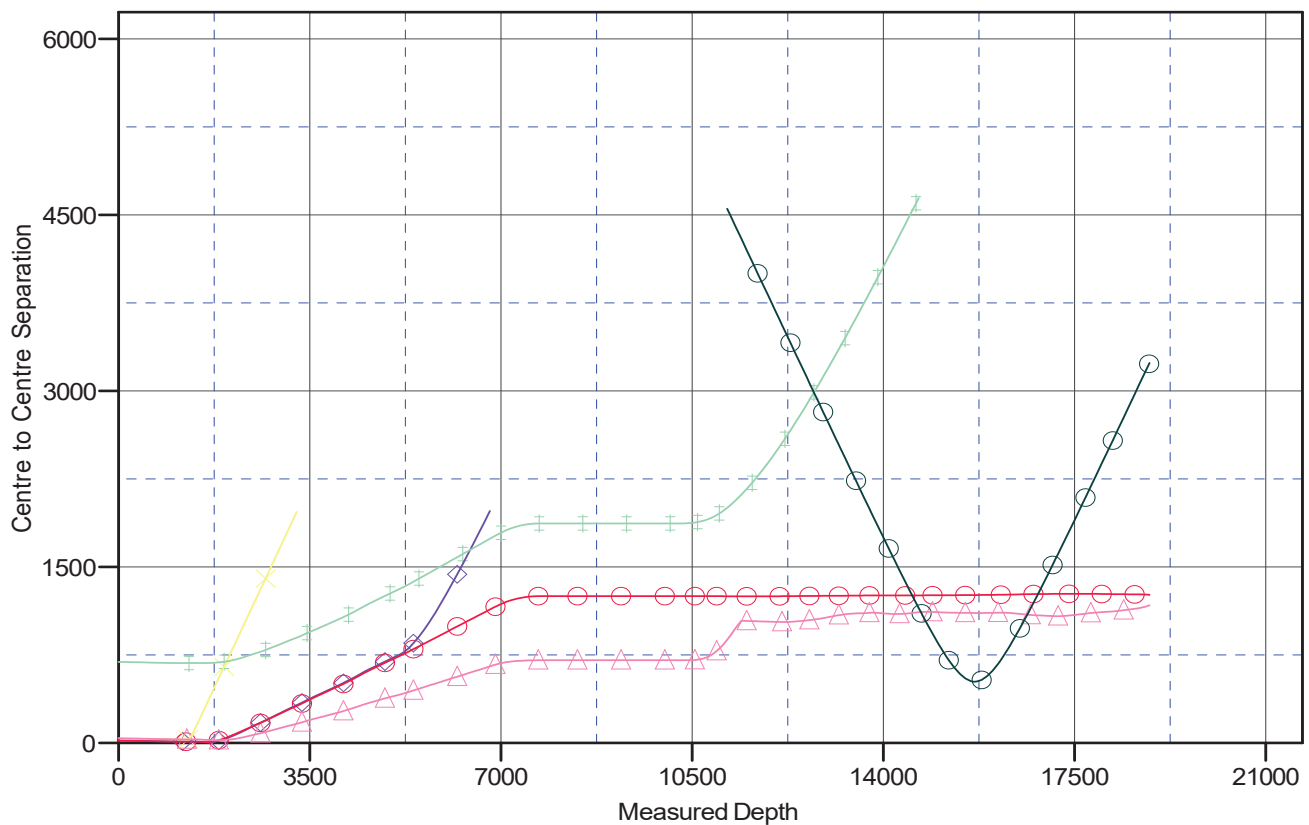
Central Meridian is -104.333334

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°

Ladder Plot



LEGEND

Bell Lake Unit South 208H, OH, OH V0	Bell Lake Unit South 408H, OH, OH V0	Bell Lake Unit 1 #004, OH, OH V0
Bell Lake Unit South 208H, OH, Plan #2 V0	Bell Lake Unit South 408H, OH, Plan #4 V0	Bell Lake Unit 8, OH, OH V0

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 #3	Offset TVD Reference:	Offset Datum

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

Offset Depths are relative to Offset Datum

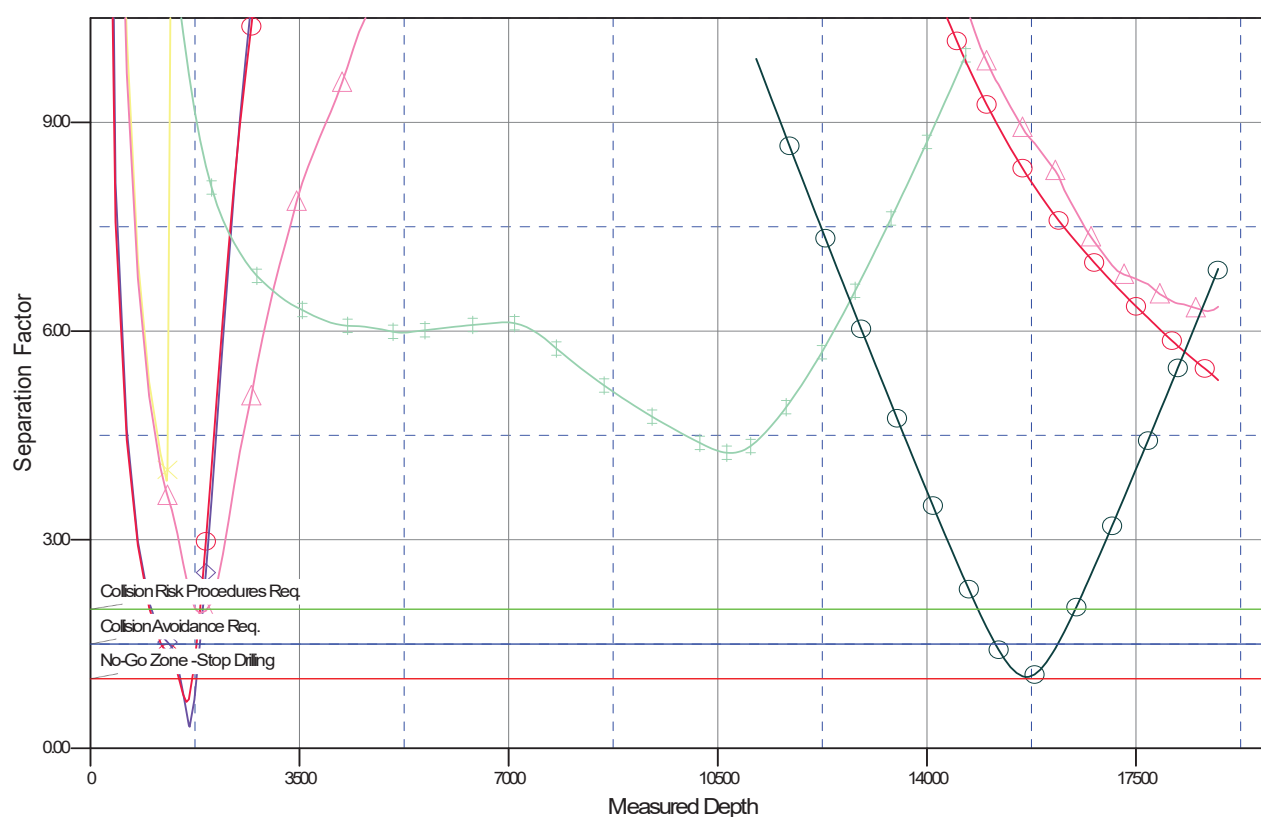
Central Meridian is -104.333334

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, OH V0	Bell Lake Unit South 408H, OH, OH V0	Bell Lake Unit 1 #004, OH, OH V0
Bell Lake Unit South 208H, OH, Plan #2 V0	Bell Lake Unit South 408H, OH, Plan #4 V0	Bell Lake Unit 8, OH, OH V0

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

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

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

CONDITIONS

Action 197475

CONDITIONS

Operator: KAISER-FRANCIS OIL CO PO Box 21468 Tulsa, OK 74121146	OGRID: 12361
	Action Number: 197475
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
pkautz	None	3/15/2023