Form 3160-3 (June 2015) UNITED STATES					APPRO o. 1004-0 anuary 3	0137
DEPARTMENT OF THE INT BUREAU OF LAND MANAC				5. Lease Serial No. NMLC0061374A		
APPLICATION FOR PERMIT TO DRI		REENTER		6. If Indian, Allotee	or Tribe	Name
1a. Type of work: ✓ DRILL REE 1b. Type of Well: ✓ Oil Well Gas Well Othe	NTER			7. If Unit or CA Age BELL LAKE / NMN		
	le Zone	Multiple Zone		8. Lease Name and		
				BELL LAKE UNIT 216H [SOUTH	
2. Name of Operator KAISER FRANCIS OIL COMPANY [12361]				9. API Well No.		25-48257
3a. Address 3b PO BOX 21468 TULSA OK 74121-1468 3b). Phone No	o. (include area cod	le)	10. Field and Pool, BELL LAKE / WOI		
4. Location of Well (Report location clearly and in accordance with	'n any State r	equirements.*)		11. Sec., T. R. M. or		
At surface SENE / 2162 FNL / 1237 FEL / LAT 32.247938				SEC 5 / T24S / R3	4E / NN	٩P
At proposed prod. zone SWSE / 330 FSL / 2290 FEL / LAT		31 / LONG -103.49	90852			12.00
 Distance in miles and direction from nearest town or post office' 20 miles 	k			12. County or Parish LEA	h	13. State NM
location to nearest 1237 feet	6. No of acr 40	es in lease	17. Spacii 480	ng Unit dedicated to t	his well	
18 Distance from proposed location*	9. Proposed	Depth	20. BLM/	BIA Bond No. in file		
		18689 feet		/B000055		
	2. Approxin 8/01/2019	nate date work will	start*	23. Estimated durat40 days	ion	
	24. Attach	iments		1		
The following, completed in accordance with the requirements of Or (as applicable)	nshore Oil a	nd Gas Order No. 1	l, and the H	Iydraulic Fracturing r	ule per 4	-3 CFR 3162.3-3
 Well plat certified by a registered surveyor. A Drilling Plan. 		Item 20 above).	I	s unless covered by a	n existing	g bond on file (see
3. A Surface Use Plan (if the location is on National Forest System I SUPO must be filed with the appropriate Forest Service Office).	Lands, the	 Operator certific Such other site sp BLM. 		mation and/or plans as	3 may be	requested by the
25. Signature (Electronic Submission)	Name (Printed/Typed)			Date 05/09/	2019
Title						
Approved by (Signature) (Electronic Submission)		Printed/Typed) ayton / Ph: (575)2	234-5959		Date 12/04/	2020
Title	Office					
Assistant Field Manager Lands & Minerals Application approval does not warrant or certify that the applicant he applicant to conduct operations thereon.	Olds legal or		hose rights	in the subject lease w	hich woi	ald entitle the
Conditions of approval, if any, are attached.		0				
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, mak of the United States any false, fictitious or fraudulent statements or r					any depa	rtment or agency
GCP Rec 12/17/2020					,	
			ANG		KZ	2
		T CONDI	UND	12	2/29/2	020
SL SL	ED WI	'H CONDIT				
(Continued on page 2)				*(In	structio	ons on page 2)
	Data	12/04/2020				



INSTRUCTIONS

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

ITEM I: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable Federal regulations concerning subsequent work proposals or reports on the well.

ITEM 4: Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local Federal offices for specific instructions.

ITEM 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on the reverse side, showing the roads to, and the surveyed location of, the wen, and any other required information, should be furnished when required by Federal agency offices.

ITEMS 15 AND 18: If well is to be, or has been directionany drilled, give distances for subsurface location of hole in any present or objective productive zone.

ITEM 22: Consult applicable Federal regulations, or appropriate officials, concerning approval of the proposal before operations are started.

ITEM 24: If the proposal will involve hydraulic fracturing operations, you must comply with 43 CFR 3162.3-3, including providing information about the protection of usable water. Operators should provide the best available information about all formations containing water and their depths. This information could include data and interpretation of resistivity logs run on nearby wells. Information may also be obtained from state or tribal regulatory agencies and from local BLM offices.

NOTICES

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

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

PRINCIPAL PURPOSES: The information will be used to: (1) process and evaluate your application for a permit to drill a new oil, gas, or service wen or to reenter a plugged and abandoned well; and (2) document, for administrative use, information for the management, disposal and use of National Resource Lands and resources including (a) analyzing your proposal to discover and extract the Federal or Indian resources encountered; (b) reviewing procedures and equipment and the projected impact on the land involved; and (c) evaluating the effects of the proposed operation on the surface and subsurface water and other environmental impacts.

ROUTINE USE: Information from the record and/or the record win be transferred to appropriate Federal, State, and local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecution, in connection with congressional inquiries and for regulatory responsibilities.

EFFECT OF NOT PROVIDING INFORMATION: Filing of this application and disclosure of the information is mandatory only if you elect to initiate a drilling or reentry operation on an oil and gas lease.

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

The BLM conects this information to anow evaluation of the technical, safety, and environmental factors involved with drilling for oil and/or gas on Federal and Indian oil and gas leases. This information will be used to analyze and approve applications. Response to this request is mandatory only if the operator elects to initiate drilling or reentry operations on an oil and gas lease. The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

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

Additional Operator Remarks

Location of Well

SHL: SENE / 2162 FNL / 1237 FEL / TWSP: 24S / RANGE: 34E / SECTION: 5 / LAT: 32.2479388 / LONG: -103.4874966 (TVD: 0 feet, MD: 0 feet)
 PPP: NWSE / 2600 FSL / 2140 FEL / TWSP: 24S / RANGE: 34E / SECTION: 5 / LAT: 32.2466014 / LONG: -103.490401 (TVD: 10795 feet, MD: 11100 feet)
 PPP: SWNE / 1320 FNL / 2172 FEL / TWSP: 24S / RANGE: 34E / SECTION: 8 / LAT: 32.2358666 / LONG: -103.4906329 (TVD: 10800 feet, MD: 15020 feet)
 PPP: NWNE / 0 FNL / 2158 FEL / TWSP: 24S / RANGE: 34E / SECTION: 8 / LAT: 32.2394392 / LONG: -103.4905547 (TVD: 10800 feet, MD: 13700 feet)
 PPP: NWSE / 2640 FNL / 2187 FEL / TWSP: 24S / RANGE: 34E / SECTION: 8 / LAT: 32.2321563 / LONG: -103.4907141 (TVD: 10800 feet, MD: 16340 feet)
 PHL: SWSE / 330 FSL / 2290 FEL / TWSP: 24S / RANGE: 34E / SECTION: 8 / LAT: 32.2257281 / LONG: -103.490852 (TVD: 10800 feet, MD: 18689 feet)

BLM Point of Contact

Name: Deborah Ham Title: Legal Landlaw Examiner Phone: 5752345965 Email: dham@blm.gov

Review and Appeal Rights

A person contesting a decision shall request a State Director review. This request must be filed within 20 working days of receipt of the Notice with the appropriate State Director (see 43 CFR 3165.3). The State Director review decision may be appealed to the Interior Board of Land Appeals, 801 North Quincy Street, Suite 300, Arlington, VA 22203 (see 43 CFR 3165.4). Contact the above listed Bureau of Land Management office for further information.

Received by OCD: 12/16/2020 12:55:49 PM

VAFMSS

U.S. Department of the Interior BUREAU OF LAND MANAGEMENT

APD ID: 10400041615

Operator Name: KAISER FRANCIS OIL COMPANY Well Name: BELL LAKE UNIT SOUTH

Well Type: OIL WELL

Submission Date: 05/09/2019

Well Number: 216H Well Work Type: Drill Highlighted data reflects the most recent changes

Show Final Text

Section 1 - General

APD ID: 10400041615 Tie to previous NOS? Submission Date: 05/09/2019 **BLM Office: CARLSBAD** User: Stormi Davis Title: Regulatory Analyst Federal/Indian APD: FED Is the first lease penetrated for production Federal or Indian? FED Lease number: NMLC0061374A Lease Acres: 440 Surface access agreement in place? Allotted? **Reservation:** Agreement in place? YES Federal or Indian agreement: FEDERAL Agreement number: NMNM068292X Agreement name: BELL LAKE Keep application confidential? YES APD Operator: KAISER FRANCIS OIL COMPANY Permitting Agent? NO **Operator letter of designation:**

Operator Info

Operator Organization Name: KAISER FRANCIS OIL COMPANY

Operator Address: 6733 S. Yale Ave.

Operator PO Box: PO Box 21468

Operator City: Tulsa State: OK

Zip: 74121

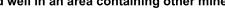
Operator Phone: (918)491-0000

Operator Internet Address:

Section 2 - Well Information

Well in Master Development Plan? NO	Master Development Plan r	name:
Well in Master SUPO? NO	Master SUPO name:	
Well in Master Drilling Plan? NO	Master Drilling Plan name:	
Well Name: BELL LAKE UNIT SOUTH	Well Number: 216H	Well API Number:
Field/Pool or Exploratory? Field and Pool	Field Name: BELL LAKE	Pool Name: WOLFCAMP, SOUTH

Is the proposed well in an area containing other mineral resources? NATURAL GAS,OIL



Application Data Report

Operator Name: KAISER FRANCIS OIL COMPANY **Well Name:** BELL LAKE UNIT SOUTH

Well Number: 216H

Is the proposed well in an area containing other mineral resources? NATURAL GAS,OIL

Is the propo	sed well in a Helium produ	ction area? N	Use Existing Well Pad?	N O	New surface disturbance?
Type of Well	I Pad: MULTIPLE WELL		Multiple Well Pad Name		Number: 14
Well Class:	HORIZONTAL		SOUTH BELL LAKE UN Number of Legs: 1	іт	
Well Work T	ype: Drill				
Well Type: C	DIL WELL				
Describe We	ell Type:				
Well sub-Ty	pe: EXPLORATORY (WILDO	CAT)			
Describe su	b-type:				
Distance to	town: 20 Miles	Distance to ne	arest well: 30 FT	Distanc	e to lease line: 1237 FT
Reservoir w	ell spacing assigned acres	Measurement:	480 Acres		
Well plat:	BLUS_216H_C102_201905	508091201.pdf			
	BLUS_216H_Pymt_Rec_20)190509093228	.pdf		
Well work st	art Date: 08/01/2019		Duration: 40 DAYS		

Section 3 - Well Location Table

Survey Type: RECTANGULAR

Describe Survey Type:

Datum: NAD83

Survey number: 6771

Vertical Datum: NAVD88

Reference Datum:

Will this well produce from this lease? Aliquot/Lot/Tract Lease Number EW Indicator NS Indicator -ongitude ease Type Elevation Wellbore EW-Foot Meridian NS-Foot Section Latitude Range County Twsp State TVD ДM SHL 216 FNL 123 FEL 24S 34E 5 Aliquot 32.24793 NEW NEW F FEE 358 0 0 LEA MEXI MEXI 88 103.4874 2 2 Leg 7 SENE 966 CO CO #1 KOP 216 NEW F **FNL** 212 FEL 24S 34E 5 Aliquot 32.24777 LEA NEW FEE 102 102 MEXI 662 50 04 84 103.4961 MEXI Leg 2 5 SWNE со 248 СО 2 #1

Well Name: BELL LAKE UNIT SOUTH

Well Number: 216H

Wellbore	NS-Foot	NS Indicator	EW-Foot	EW Indicator	Twsp	Range	Section	Aliquot/Lot/Tract	Latitude	Longitude	County	State	Meridian	Lease Type	Lease Number	Elevation	MD	TVD	Will this well produce from this lease?
PPP Leg #1-1	264 0	FNL	218 7	FEL	24S	34E	8	Aliquot NWSE	32.23215 63	- 103.4907 141	LEA	NEW MEXI CO	NEW MEXI CO	F	FEE	- 721 8	163 40	108 00	
PPP Leg #1-2	0	FNL	215 8	FEL	24S	34E		Aliquot NWNE	32.23943 92	- 103.4905 547	LEA		NEW MEXI CO	F		- 721 8	137 00	108 00	
	132 0	FNL	217 2	FEL	24S	34E	8	Aliquot SWNE	32.23586 66	- 103.4906 329	LEA		NEW MEXI CO	F	NMNM 100594	- 721 8	150 20	108 00	
	260 0	FSL	214 0	FEL	24S	34E		Aliquot NWSE		- 103.4904 01	LEA		NEW MEXI CO	F	FEE	- 721 3	111 00	107 95	
EXIT Leg #1	330	FSL	229 0	FEL	24S	34E	8			- 103.4908 52	LEA	NEW MEXI CO	NEW MEXI CO	F	FEE	- 721 8	186 89	108 00	
BHL Leg #1	330	FSL	229 0	FEL	24S	34E	8	Aliquot SWSE	32.22572 81	- 103.4908 52	LEA		NEW MEXI CO	F	FEE	- 721 8	186 89	108 00	

1625 N. French Dr., Hobbs, NM 88240

811 S. First St., Artesia, NM 88210

Phone: (575) 393-6161 Fax: (575) 393-0720

Phone: (575) 748-1283 Fax: (575) 748-9720

1000 Rio Brazos Road, Aztec, NM 87410

District I

District II

District III

Form C-102

District Office

Revised August 1, 2011

Submit one copy to appropriate

Phone: (505) 334-6178 <u>District IV</u> 1220 S. St. Francis Dr., Phone: (505) 476-3460	Santa Fe, NM	87505			AM	IENDED REPOR								
		WI	ELL LC	CATIO	N AND AC	REAGE DEDI	CATION PL.	AT						
¹ A	PI Numbe	r		² Pool Code	e		³ Pool Na	me						
30-02	outh													
⁴ Property C	Code				⁵ Property	Name			6	Well Number				
			BELL LAKE UNIT SOUTH 216H * Operator Name * Elevation											
⁷ OGRID N	D No. ⁸ Operator Name													
12361				KA	ISER-FRAN	CIS OIL CO.			3581.5					
					Surfac	e Location	-							
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/We	est line	County				
Н	5	24 S	34 E		2162	NORTH	1237	EAS	ST	LEA				
			пB	ottom Ho	ole Location	If Different Fr	om Surface							
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/We	est line	County				
0	8	24 S	4 S 34 E 330 SOUTH 2290 EAST LEA											
¹² Dedicated Acres	¹³ Joint	or Infill ¹⁴ C	onsolidation	n Code			¹⁵ Order No.							
480							R-14600							

State of New Mexico

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Energy, Minerals & Natural Resources Department

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.

N89'33'36"E 2640.66 FT N88'52'07"E 2622.56 FT	¹⁷ OPERATOR CERTIFICATION
NW CORNER SEC. 5 N/4 CORNER SFC. 5 NE CORNER SEC. 5 LAT. = 32,2538360'N L 4 LAT. = 32,2538352'N L 1 LAT. = 32,2538352'N L 1 LAT. = 103,4235557'N	I hereby certify that the information contained herein is true and complete to the
LONG. = 103.5005766 W L LONG. = 103.4920367 W L LONG. = 103.4920367 W	best of my knowledge and belief, and that this organization either owns a
NMSP EAST (FT) 12 NMSP EAST (FT) 12 NMSP EAST (FT) N = 45707.27 55 N = 457097.54 16 N = 457043.32	working interest or unleased mineral interest in the land including the proposed
$ \begin{bmatrix} 43/07/.27 & K_{2} \\ E = 798772.36 & K_{2} \\ \end{bmatrix} $	bottom hole location or has a right to drill this well at this location pursuant to
311°C 62	a contract with an owner of such a mineral or working interest, or to a
W/4 CORNER SEC. 5 SHL V/IT SOUTH 216H W/4 CORNER SEC. 5 SHL V/IT SHL $V/$	voluntary pooling agreement or a compulsory pooling order heretofore entered
LAT. = 32.2465905'N	by the division.
LONG. = $103.5005464'W$ LONG. = $103.4874966'W$ LONG. = $103.4834825'W$ NMSP EAST (FT) NMSP EAST (FT)	St. 1. 7. 1. 5/0/10
N = 454445.73 N = 454482.78 N = 454482.78	Stormi Davis 5/8/19
E = 798802.12 $E = 802832.50$ $F = 804077.79$	Signature Date
	Stormi Davis
SW CORNER SEC. 5 \ge 2600 [°] FSL, 2140 [°] FEL \longrightarrow SW CORNER SEC. 5	Printed Name
LAT. = 32.239344*N SELAT. = 32.2466014*N LONG. = 103,4904010*W SELAT. = 32.2393344*N SELAT. = 32.2393344*N SELAT. = 32.2393344*N SELAT. = 103,4834649*W	ssdavis104@gmail.com
NMSP EAST (FT)	E-mail Address
$ \begin{array}{cccc} N &= & 451805.34 \\ E &= & 79829.47 \\ \end{array} \begin{array}{cccc} N &= & 451843.03 \\ E &= & 801938.76 \\ \end{array} \begin{array}{ccccc} N &= & 451843.03 \\ E &= & 804104.13 \\ \end{array} $	
S89'54'46"W 2648.86 FT S89'15'57"W 2627.07 FT	UDVENOD CEDTIEICATION
LAT. = 32.23929 7 N	¹⁸ SURVEYOR CERTIFICATION
	I hereby certify that the well location shown on this plat was
NMSP EAST (FT	plotted from field notes of actual surveys made by me or under
≥ E = 801477.80 ♀ ♀ ♀ ♀ ♀ ♀ ♀ ♀ ♀ ♀ ♀ ♀ ♀	my supervision, and that the same is true and correct to the
	best of my belief.
LAT. = 32.2320533'N	DECEMBER 19, 2018 N.F. JARA
$\frac{DNF}{LAT.} = \frac{BOTTOM}{32.2257281'N} OF HOLE LONG. = 103.4834409'W$ NMSP EAST (FT)	
LONG. = $[103.4908520^{\circ}W]$ N = 449194.24	Date of Survey
© N = 446875.09	A STAND ///
SW CORNER SEC. B	
LAT. = 32.2248308'N 2 LAT. = 32.2248282' I LONG. = 103.5004938'N 2 LONG. = 103.491972'N 2 BHL 2 LONG. = 103.4834497'N	Signature and Seal of Professional Surveyor:
NMSP EAST (FT)	Certificate Number: FILIMON F. JARAMILLO, PLS 12797
E = 804150.75	OFESSION SURVEY NO. 6771
S89'34'29"W 2635.89 FT S89'58'16"W 2636.19 FT	SURVETING. 0//1



Receipt

Tracking Information

Pay.gov Tracking ID: 26HBMNHO

Agency Tracking ID: 75744658722

Form Name: Bureau of Land Management (BLM) Application for Permit to Drill (APD) Fee

Application Name: BLM Oil and Gas Online Payment

Payment Information

Payment Type: Debit or credit card

Payment Amount: \$10,050.00

Transaction Date: 05/09/2019 11:31:21 AM EDT

Payment Date: 05/09/2019

Company: Kaiser-Francis Oil Company

APD IDs: 10400041615

Lease Numbers: NMLC0061374A

Well Numbers: 216H

Note: You will need your Pay.gov Tracking ID to complete your APD transaction in AFMSS II. Please ensure you write this number down upon completion of payment.

Account Information

Pay.gov - Receipt

Cardholder Name: GEORGE B KAISER

Card Type: Visa

Card Number: *********0061

Received by OCD: 12/16/2020 12:55:49 PM

FMSS

U.S. Department of the Interior BUREAU OF LAND MANAGEMENT

APD ID: 10400041615

Operator Name: KAISER FRANCIS OIL COMPANY

Well Name: BELL LAKE UNIT SOUTH

Well Type: OIL WELL

Well Number: 216H

Submission Date: 05/09/2019

Well Work Type: Drill

Highlighted data reflects the most recent changes

Show Final Text

Section 1 - Geologic Formations

Formation			True Vertical				Producing
ID	Formation Name	Elevation	Depth	Depth	Lithologies	Mineral Resources	
451126		3582	0	0	~	NONE	N
451127	RUSTLER	2152	1430	1430	$\langle \rangle$	NONE	N
451128	SALADO	1774	1808	1808		NONE	N
451129	TOP SALT	1424	2158	2158		NONE	N
451130	BASE OF SALT	-1476	5058	5058		NONE	N
451131	LAMAR	-1726	5308	5308		NATURAL GAS, OIL	N
451132	BELL CANYON	-1876	5458	5458		NATURAL GAS, OIL	N
451133	CHERRY CANYON	-2726	6308	6308		NATURAL GAS, OIL	N
451134	BRUSHY CANYON	-4156	7738	7738		NATURAL GAS, OIL	N
451135	BONE SPRING	-5296	8878	8878		NATURAL GAS, OIL	N
451136	AVALON SAND	-5456	9038	9038		NATURAL GAS, OIL	N
451137	BONE SPRING 1ST	-6426	10008	10008		NATURAL GAS, OIL	N
451138	BONE SPRING 2ND	-7016	10598	10598		NATURAL GAS, OIL	Y

Section 2 - Blowout Prevention



Well Name: BELL LAKE UNIT SOUTH

Well Number: 216H

Page 12 of 53

Pressure Rating (PSI): 5M

Rating Depth: 18000

Equipment: A 10M system will be installed according to Onshore Order #2 consisting of an Annular Preventer, BOP with two rams and a blind ram. BOP will be equipped with 2 side outlets (choke side shall be a minimum 3" line, and kill side will be a minimum 2" line). Kill line will be installed with (2) valves and a check valve (2" min) of proper pressure rating for the system. Remote kill line (2' min) will be installed and ran to the outer edge of the substructure and be unobstructed. A manual and hydraulic valve (3" min) will be installed on the choke line, 3 chokes will be used with one being remotely controlled. Fill up line will be installed above the uppermost preventer. Pressure gauge of proper pressure rating will be installed on choke manifold. Upper and lower kelly cocks will be utilized with handles readily available in plain sight. A float sub will be available at all times. All connections subject to well pressure will be flanged, welded, or clamped. **Requesting Variance?** YES

Variance request: Flex Hose Variance

Testing Procedure: BOP/BOPE will be tested by an independent service company to 250 psi low and the high pressure indicated above per Onshore Order 2 requirements. The System may be upgraded to a higher pressure but still tested to the working pressure listed in the table above. If the system is upgraded all of the components installed will be functional and tested.

Choke Diagram Attachment:

BLUS_216H_Choke_Manifold_20190508100733.pdf

BOP Diagram Attachment:

BLUS_216H_Cactus_10K_BOP_5K_20190508100834.pdf

Cactus_Flex_Hose_16C_Certification_20200102122522.pdf

BLUS_216H__Wellhead_Diagram_20200102122828.pdf

Section 3 - Casing

Casing ID	String Type	Hole Size	Csg Size	Condition	Standard	Tapered String	Top Set MD	Bottom Set MD	Top Set TVD	Bottom Set TVD	Top Set MSL	Bottom Set MSL	Calculated casing length MD	Grade	Weight	Joint Type	Collapse SF	Burst SF	Joint SF Type	Joint SF	Body SF Type	Body SF
1	SURFACE	17.5	13.375	NEW	API	N	0	1350	0	1350			1350	J-55	54.5	BUTT	1.8	4.3	DRY	7	DRY	11.6
2	INTERMED IATE	12.2 5	9.625	NEW	API	N	0	5200	0	5200			5200	HCP -110	43.5	LT&C	1.8	3.6	DRY	5.7	DRY	6.1
3	PRODUCTI ON	8.75	5.5	NEW	API	N	0	18689	0	10800			18689	P- 110		OTHER - GBCD	2.2	2.5	DRY	2.5	DRY	3

Casing Attachments

Well Name: BELL LAKE UNIT SOUTH

Well Number: 216H

<u>Page 13 of 53</u>

Casing Attachments

Casing ID:	1	String Type: SURFACE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

BLUS_216H_Casing_Assumptions_20190508101946.pdf

Casing ID: 2 String Type: INTERMEDIATE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

BLUS_216H_Casing_Assumptions_20190508102005.pdf

Casing ID: 3 String Type: PRODUCTION

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

5_1_2_P110_GBCD_20190501101524.PDF

BLUS_216H_Casing_Assumptions_20190508102023.pdf

Section 4 - Cement

Well Name: BELL LAKE UNIT SOUTH

Well Number: 216H

String Type	Lead/Tail	Stage Tool Depth	Top MD	Bottom MD	Quantity(sx)	Yield	Density	Cu Ft	Excess%	Cement type	Additives
SURFACE	Lead		0	1350	730	1.75	13.5	1275	75	Halcem	4% Bentonite

INTERMEDIATE	Lead	0	5200	1000	2.09	12.5	2089	75	Econocem	KolSeal
INTERMEDIATE	Tail	0	5200	380	1.33	14.8	506	75	Halcem	none
								1.00		
PRODUCTION	Lead	4000	1868	387	3.37	10.5	1303	10	Class H	KolSeal
			9							
PRODUCTION	Tail	4000	1868	2272	1.22	14.5	2779	10	Class H	none
			9							

Section 5 - Circulating Medium

Mud System Type: Closed

Will an air or gas system be Used? NO

Description of the equipment for the circulating system in accordance with Onshore Order #2:

Diagram of the equipment for the circulating system in accordance with Onshore Order #2:

Describe what will be on location to control well or mitigate other conditions: Sufficient mud materials to maintain mud properties and meet minimum lost circulation and weight increase requirements will be kept on location at all times

Describe the mud monitoring system utilized: PVT/Pason/Visual Monitoring

Circulating Medium Table

Top Depth	Bottom Depth	Mud Type	Min Weight (Ibs/gal)	Max Weight (Ibs/gal)	Density (Ibs/cu ft)	Gel Strength (lbs/100 sqft)	Hd	Viscosity (CP)	Salinity (ppm)	Filtration (cc)	Additional Characteristics
5200	1080 0	OTHER : Cut Brine	8.7	8.9							
1350	5200	OIL-BASED MUD	8.7	8.9							
0	1350	OTHER : Fresh Water	8.4	9							

Received by OCD: 12/16/2020 12:55:49 PM

Operator Name: KAISER FRANCIS OIL COMPANY

Well Name: BELL LAKE UNIT SOUTH

Well Number: 216H

Section 6 - Test, Logging, Coring

List of production tests including testing procedures, equipment and safety measures:

TOC on production casing will be determined by calculation.

List of open and cased hole logs run in the well: GR,MUDLOG

Coring operation description for the well:

None planned

Section 7 - Pressure

Anticipated Bottom Hole Pressure: 4998

Anticipated Surface Pressure: 2622

Anticipated Bottom Hole Temperature(F): 165

Anticipated abnormal pressures, temperatures, or potential geologic hazards? NO

Describe:

Contingency Plans geoharzards description:

Contingency Plans geohazards attachment:

Hydrogen Sulfide drilling operations plan required? YES

Hydrogen sulfide drilling operations plan:

BLUS_216H_H2S_Contingency_Plan_20190508102519.pdf

Section 8 - Other Information

Proposed horizontal/directional/multi-lateral plan submission:

BLUS_216H___Directional_Plan_20190508102623.pdf

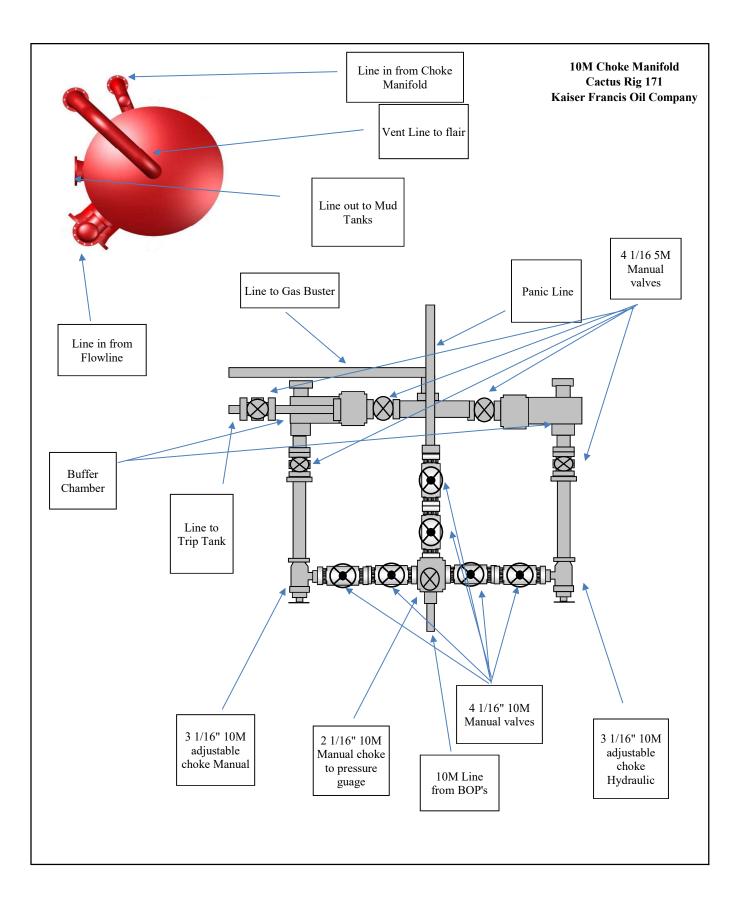
Other proposed operations facets description:

Gas Capture Plan attached

Other proposed operations facets attachment:

BLUS_216H_Gas_Capture_Plan_PAD_14_20190508102742.pdf

Other Variance attachment:



BLUS 216H

Casing Assumptions

Interval	Length	Casing Size	Weight (#/ft)		Thread	Condition	Hole Size	TVD (ft)	Mud Type	Mud Weight Hole Control		Fluid Loss	Anticipated Mud Weight (ppg)	Max Pore Pressure (psi)	Collapse (psi)	Burst (psi)	Body Tensile Strength	Joint Tensile Strength	Safety Factor	Burst Safety Factor (Min 1.0)	Body Tensile Safety Factor	Joint Tensile Safety Factor
Conductor	120'	20"				New		120											(Min 1.1)		(Min 1.8)	(Min 1.8)
Surface	1350'	13-3/8"	54.5	J-55	BTC	New	17-1/2"	1350	FW	8.4 - 9.0	32 - 34	NC	9	632	1130	2730	853000	514000	1.8	4.3	11.6	7.0
Intermediate	5200'	9-5/8"	43.5	P-110	LTC	New	12-1/4"	5200	Brine	8.7 - 8.9	28	NC	8.9	2407	4430	8700	1381000	1283000	1.8	3.6	6.1	5.7
Production	18689	5-1/2"	20	P110	GBCD	New	8-3/4"	10800	Cut Brine	8.7 - 8.9	28 - 29	NC	8.9	4998	11100	12640	641000	548000	2.2	2.5	3.0	2.5

BLUS 216H

Casing Assumptions

Interval	Length	Casing Size	Weight (#/ft)		Thread	Condition	Hole Size	TVD (ft)	Mud Type	Mud Weight Hole Control		Fluid Loss	Anticipated Mud Weight (ppg)	Max Pore Pressure (psi)	Collapse (psi)	Burst (psi)	Body Tensile Strength	Joint Tensile Strength	Safety Factor	Burst Safety Factor (Min 1.0)	Body Tensile Safety Factor	Joint Tensile Safety Factor
Conductor	120'	20"				New		120											(Min 1.1)		(Min 1.8)	(Min 1.8)
Surface	1350'	13-3/8"	54.5	J-55	BTC	New	17-1/2"	1350	FW	8.4 - 9.0	32 - 34	NC	9	632	1130	2730	853000	514000	1.8	4.3	11.6	7.0
Intermediate	5200'	9-5/8"	43.5	P-110	LTC	New	12-1/4"	5200	Brine	8.7 - 8.9	28	NC	8.9	2407	4430	8700	1381000	1283000	1.8	3.6	6.1	5.7
Production	18689	5-1/2"	20	P110	GBCD	New	8-3/4"	10800	Cut Brine	8.7 - 8.9	28 - 29	NC	8.9	4998	11100	12640	641000	548000	2.2	2.5	3.0	2.5

KAISER-FRANCIS OIL COMPANY HYDROGEN SULFIDE (H2S) CONTINGENCY PLAN FOR DRILLING/COMPLETION WORKOVER/FACILITY

BELL LAKE UNIT SOUTH Pad 14 SECTION 5 -T24S-R34E LEA COUNTY, NM

This well/facility is not expected to have H_2S , but due to the sensitive location, the following is submitted as requested.

TABLE OF CONTENTS

Emergency Response Activation and General Responsibilities	3
Individual Responsibilities During An H ₂ S Release	4
Procedure For Igniting An Uncontrollable Condition	5
Emergency Phone Numbers	6
Protection Of The General Public/Roe	7
Characteristics Of H ₂ S And SO ₂	8
Training	8
Public Relations	8
Maps	

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EMERGENCY RESPONSE ACTIVATION AND GENERAL RESPONSIBILITIES

Activation of the Emergency Action Plan

In the event of any emergency situation, all personnel on location should first ensure that the following items are initiated. After that, they should refer to the appropriate Specific Emergency Guidance sections below for further responsibilities:

- 1. Notify the senior ranking contract representative on site.
- 2. Notify Kaiser-Francis representative in charge.
- 3. Notify civil authorities if the Kaiser-Francis Representative cannot be contacted and the situation dictates.
- 4. Perform rescue and first aid as required (without jeopardizing additional personnel).

General Responsibilities

In the event of an H₂S emergency, the following plan will be initiated.

- 1) All personnel will immediately evacuate to an up-wind and if possible up-hill "safe area".
- 2) If for any reason a person must enter the hazardous area, they must wear a SCBA (Self contained breathing apparatus).
- 3) Always use the "buddy system".
- 4) Isolate the well/problem if possible.
- 5) Account for all personnel
- 6) Display the proper colors, warning all unsuspecting personnel of the danger at hand
- 7) Contact the Company personnel as soon as possible if not at the location. (use the enclosed call list as instructed)

At this point the company representative will evaluate the situation and coordinate the necessary duties to bring the situation under control, and if necessary, the notification of emergency response agencies and residents.

INDIVIDUAL RESPONSIBILITIES DURING AN H2S RELEASE

The following procedures and responsibilities will be implemented on activation of the H₂S siren and lights.

All Personnel:

1.

On alarm, don escape unit (if available) and report to upwind briefing area.

Rig Manager/Tool Pusher:

- 1. Check that all personnel are accounted for and their condition.
- 2. Administer or arrange for first aid treatment, and/or call EMTs as needed.
- 3. Identify two people best suited to secure well and perform rescue, and instruct them to don SCBA.
- 4. Notify Contract management and Kaiser-Francis Representative.
- 5. Remain at the briefing area, assess and monitor personnel and overall situation for hazards or conditions that might warrant a change in the action plan.

Two People Responsible for Shut-in and Rescue:

- 1. Don SCBA and acquire tools to secure well and perform rescue, i.e., wrenches, retrieval ropes, etc.
- 2. Utilize the buddy system to secure well and perform rescue(s).
- 3. Return to the briefing area and stand by for further instructions.

All Other Personnel: 1. Isola

Isolate the area and prevent entry by other persons into the 100 ppm ROE. Additionally the first responder(s) must evacuate any public places encompassed by the 100 ppm ROE. First responder(s) must take care not to injure themselves during this operation. Company and/or local officials must be contacted to aid in this operation. Evacuation of the public should be beyond the 100 ppm ROE.

Kaiser-Francis Oil Company Representative:

- 1. Remain at the briefing area, assess and monitor personnel and overall situation for hazards or conditions that might warrant a change in the action plan.
- 2. Notify company management or Local Incident Commander, and Police, Fire Department, or other local emergency services as required.

PROCEDURE FOR IGNITING AN UNCONTROLLABLE CONDITION:

Should control of the well be considered lost and ignition considered, take care to protect against exposure to Sulfur Dioxide (SO₂). Intentional ignition must be coordinated with the NMOCD and local officials. Additionally the NM State Police shall be the Incident Command of any major release.

The decision to ignite a well should be a last resort and one if not both of the following pertain.

- 1) Human life and/or property are in danger.
- 2) There is no hope of bringing the situation under control with the prevailing conditions at the site.

INSTRUCTIONS FOR IGNITION:

- 1) Two people are required. They must be equipped with positive pressure; self contained breathing apparatus and a "D"-ring style, full body, OSHA approved safety harness. Non-flammable rope will be attached.
- 2) One of the people will be a qualified safety person who will test the atmosphere for H₂S, Oxygen, & LFL. The other person will be the company supervisor; he is responsible for igniting the well.
- 3) Ignite up-wind from a distance no closer than necessary. Make sure that where you ignite from has the maximum escape avenue available. A 25mm flare gun shall be used, with a +/-500' range to ignite the gas.
- 4) Prior to ignition, make a final check for combustible gases.
- 5) Following ignition, continue with the emergency actions & procedures as before.

CONTACTING AUTHORITIES

Kaiser-Francis personnel must liaison with local and state agencies to ensure a proper response to a major release. Additionally, the OCD must be notified of the release as soon as possible but no later than 4 hours. Agencies will ask for information such as type and volume of release, wind direction, location of release, etc. Be prepared with all information available. The following call list of essential and potential responders has been prepared for use during a release. This response plan must be in coordination with the State of New Mexico's 'Hazardous Materials Emergency Response Plan' (HMER). EMERGENCY CALL LIST: (Start and continue until ONE of these people have been reached)

Kaiser-Francis Oil Co.	<u>OFFCE</u> 918/494-0000	MOBILE
Bill Wilkinson	580/668-2335	580/221-4637
David Zerger	918/491-4350	918/557-6708
Charles Lock	918/491-4337	918/671-6510
Stuart Blake	918/491-4347	918/510-4126
Robert Sanford	918/491-4201	918/770-2682
Eric Hansen	918/491-4339	918/527-5260

EMERGENCY RESPONSE NUMBERS: Lea County, New Mexico

State Police – Artesia	575/748-9718
State Police – Hobbs	575/392-5580
State Police – Carlsbad	575/885-3138
Lea County Sheriff - Lovington	575/396-3611
Local Emergency Planning Center – Lea County	575/396-8607
Local Emergency Planning Center – Eddy County	575/885-3581
Fire Fighting, Rescue & Ambulance – Carlsbad	911 or 575/885-3125
Fire Fighting, Rescue & Ambulance – Hobbs	911 or 575/397-9308
Fire Fighting – Jal Volunteer Fire Department	911 or 505/395-2221
New Mexico Oil & Gas Commission – Artesia	575/748-1283
New Mexico Oil & Gas Commission – Hobbs	575/393-6161
Air Medical Transport Services – Hobbs	800/550-1025
Med Flight Air Ambulance – Albuquerque	505/842-4433
Angel MedFlight	844/553-9033
DXP	432/580-3770
BJ Services	575/392-5556
Halliburton	575/392-6531 800/844-8451

PROTECTION OF THE GENERAL PUBLIC/ROE:

In the event of a release with a concentration greater than 100 ppm H₂S, the ROE (Radius of Exposure) calculations will be done to determine if the following conditions have been met:

- Does the 100 ppm ROE include any public area (any place not associated with this site)
- Does the 500 ppm ROE include any public road (any road which the general public may travel)
- Is the 100 ppm ROE equal to or greater than 3000 feet

If any one of these conditions have been met then the Contingency Plan will be implemented. The following shows how to calculate the radius of exposure and an example.

Calculation for the 100 ppm ROE:

 X = [(1.589)(concentration)(Q)] (0.6258)
 (H2S concentrations in decimal form)

 Calculation for the 500 ppm ROE:
 10,000 ppm +=1.+

 100 ppm +=.01+
 100 ppm +=.01+

 10 ppm +=.001+
 10 ppm +=.001+

X+[(0.4546)(concentration)(Q)] (.06258)

EXAMPLE: If a well/facility has been determined to have 150 ppm H_2S in the gas mixture and the well/facility is producing at a gas rate of 200 MCFPD then:

ROE for 100 PPM	X=[(1.589)(.0150)(200)] (0.6258)
	X=2.65'
ROE for 500 PPM	X=[(.4546)(.0150)(200)] (0.6258)
	X=1.2'

(These calculations will be forwarded to the appropriate District NMOCD office when applicable.)

PUBLIC EVACUATION PLAN:

(When the supervisor has determined that the General Public will be involved, the following plan will be implemented)

- 1) Notification of the emergency response agencies of the hazardous condition and Implement evacuation procedures.
- 2) A trained person in H₂S safety, shall monitor with detection equipment the H₂S Concentration, wind and area of exposure (ROE). This person will determine the outer perimeter of the hazardous area. The extent of the evacuation area will be determined from the data being collected. Monitoring shall continue until the situation has been resolved. (All monitoring equipment will be UL approved, for use in class I groups A,B,C & D, Division I, hazardous locations. All monitors will have a minimum capability of measuring H₂S, oxygen, and flammable values.)
- 3) Law enforcement shall be notified to set up necessary barriers and maintain such for the duration of the situation as well as aid in the evacuation procedure.
- 4) The company supervising personnel shall stay in communication with all agencies through out the duration of the situation and inform such agencies when the situation has been contained and the effected area(s) is safe to enter.

Common Name	Chemical Formula	Specific Gravity	Threshold Limit	Hazardous Limit	Lethal Concentration
Hydrogen Sulfide	H ₂ S	1.189 Air = 1	10 ppm	100 ppm	600 ppm
Sulfur Dioxide	SO ₂	2.21 Air = 1	2 ppm	N/A	1000 ppm

CHARACTERISTICS OF H2S AND SO2

TRAINING:

All responders must have training in the detection of H₂S measures for protection against the gas, equipment used for protection and emergency response. Weekly drills by all crews will be conducted and recorded in the IADC daily log. Additionally, responders must be equipped with H₂S monitors at all times.

PUBLIC RELATIONS

Kaiser-Francis recognizes that the news media have a legitimate interest in incidents at Kaiser-Francis facilities that could affect the public. It is to the company's benefit to cooperate with the news media when incidents occur because these media are our best liaison with the public.

Our objective is to see that all reports of any emergency are factual and represent the company's position fairly and accurately. Cooperation with news media representatives is the most reliable guarantee that this objective will be met.

All contract and Kaiser-Francis employees are instructed **NOT** to make any statement to the media concerning the emergency incident. If a media representative contacts any employee, they should refer them to the designated Emergency Command Center where they should contact the Incident Commander or his designated relief for any information concerning the incident.

KAISER-FRANCIS OIL COMFANY

Kaiser Francis

Bell Lake South Unit 216H Bell Lake South Unit 216H Bell Lake South Unit 216H Bell Lake South Unit 216H

Plan: 190319 Bell Lake South Unit 216H

Morcor Standard Plan

20 March, 2019

Morcor Engineering Morcor Standard Plan

0.0		319 Bell Lake South Unit 216	H (Bell La MWD		WWD - Standard			
From (usft)	To (usft) Sur	vey (Wellbore)	Tool Name	•	Description			
Survey Tool Program		20/2019						
		0.0	0.0	0.0	180.87			
		(usft) 0.0	(usft) 0.0	(usft) 0.0	(°) 186.87			
Vertical Section:		Depth From (TVD)	+N/-S	+E/-W	Direction			
Version:		Phase:	PLAN	Tie On Depth:	0.0			
Audit Notes:								
Design	190319 Be	ell Lake South Unit 216H						
	IGRF200	510 12/31/2009	7	.71	60.28	48,816		
Magnetics	Model Name	Sample Date	Declination (°)		Angle I (°)	Field Strength (nT)		
Wellbore		South Unit 216H						
Position Uncertainty		1.0 usft	Wellhead El	evation:	usft	G	iround Level:	3,581.5 usft
.	+E/-W	0.0 usft	Easting:		802,832.89 usft		ongitude:	103° 29' 14.988 W
Well Position	+N/-S	0.0 usft	Northing:		454,963.48 usft	L	atitude:	32° 14' 52.580 N
Well	Bell Lake	South Unit 216H						
Position Uncertainty:	1	I.0 usft	Slot Rad	ius:	17-1/2 "	Grid Conver	gence:	0.45 °
From:	Lat/Long		Easting:		802,832.89 usft	Longitude:		103° 29' 14.988 W
Site Position:	Don Earlo		Northing		454,963.48 usft	Latitude:		32° 14' 52.580 N
Site	Bell Lake S	South Unit 216H						
Geo Datum:	US State Plane 198 North American Da New Mexico Easter	tum 1983			System Da	atum:	Mean Sea Level	
Project	Bell Lake	South Unit 216H						
Project: Bel Site: Bel Well: Bel Wellbore: Bel	I Lake South Unit 2 I Lake South Unit 2 I Lake South Unit 2 I Lake South Unit 2 I Lake South Unit 2	16H 16H 16H			TVD Refere MD Referen North Refer	nce: nce:	WELL @ 3603.5usft (Orig WELL @ 3603.5usft (Orig Grid Minimum Curvature EDM 5000.1 Single User	jinal Well Elev) jinal Well Elev)
- IC.	ser Francis					rdinate Reference:	Well Bell Lake South Unit	04011

3/20/2019 9:39:40AM

KASER-PRANCES OF COMPANY

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COMPASS 5000.1 Build 56

KARREN PRANCIS OF COMPANY

Morcor Engineering
Morcor Standard Plan

Company:	Kaiser Francis	Local Co-ordinate Reference:	Well Bell Lake South Unit 216H
Project:	Bell Lake South Unit 216H	TVD Reference:	WELL @ 3603.5usft (Original Well Elev)
Site:	Bell Lake South Unit 216H	MD Reference:	WELL @ 3603.5usft (Original Well Elev)
Well:	Bell Lake South Unit 216H	North Reference:	Grid
Wellbore:	Bell Lake South Unit 216H	Survey Calculation Method:	Minimum Curvature
Design:	190319 Bell Lake South Unit 216H	Database:	EDM 5000.1 Single User Db

Planned Survey

MD (usft)	lnc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	Easting (usft)	Northing (usft)	V. Sec (usft)	DLeg (°/100usft)
0.0	0.00	0.00	0.0	-3,603.5	0.0	0.0	802,832.89	454,963.48	0.00	0.00
50.0	0.00	0.00	50.0	-3,553.5	0.0	0.0	802,832.89	454,963.48	0.00	0.00
100.0	0.00	270.00	100.0	-3,503.5	0.0	0.0	802,832.89	454,963.48	0.00	0.00
120.0	0.00	270.00	120.0	-3,483.5	0.0	0.0	802,832.89	454,963.48	0.00	0.00
20" Conductor										
150.0	0.00	270.00	150.0	-3,453.5	0.0	0.0	802,832.89	454,963.48	0.00	0.00
200.0	0.00	270.00	200.0	-3,403.5	0.0	0.0	802,832.89	454,963.48	0.00	0.00
250.0	0.00	270.00	250.0	-3,353.5	0.0	0.0	802,832.89	454,963.48	0.00	0.00
300.0	0.00	270.00	300.0	-3,303.5	0.0	0.0	802,832.89	454,963.48	0.00	0.00
350.0	0.00	270.00	350.0	-3,253.5	0.0	0.0	802,832.89	454,963.48	0.00	0.0
400.0	0.00	270.00	400.0	-3,203.5	0.0	0.0	802,832.89	454,963.48	0.00	0.0
450.0	0.00	270.00	450.0	-3,153.5	0.0	0.0	802,832.89	454,963.48	0.00	0.0
500.0	0.00	270.00	500.0	-3,103.5	0.0	0.0	802,832.89	454,963.48	0.00	0.0
550.0	0.00	270.00	550.0	-3,053.5	0.0	0.0	802,832.89	454,963.48	0.00	0.0
600.0	0.00	270.00	600.0	-3,003.5	0.0	0.0	802,832.89	454,963.48	0.00	0.0
650.0	0.00	270.00	650.0	-2,953.5	0.0	0.0	802,832.89	454,963.48	0.00	0.0
700.0	0.00	270.00	700.0	-2,903.5	0.0	0.0	802,832.89	454,963.48	0.00	0.0
750.0	0.00	270.00	750.0	-2,853.5	0.0	0.0	802,832.89	454,963.48	0.00	0.0
800.0	0.00	270.00	800.0	-2,803.5	0.0	0.0	802,832.89	454,963.48	0.00	0.0
850.0	0.00	270.00	850.0	-2,753.5	0.0	0.0	802,832.89	454,963.48	0.00	0.00
900.0	0.00	270.00	900.0	-2,703.5	0.0	0.0	802,832.89	454,963.48	0.00	0.00
950.0	0.00	270.00	950.0	-2,653.5	0.0	0.0	802,832.89	454,963.48	0.00	0.00
1,000.0	0.00	270.00	1,000.0	-2,603.5	0.0	0.0	802,832.89	454,963.48	0.00	0.00
1,050.0	0.00	270.00	1,050.0	-2,553.5	0.0	0.0	802,832.89	454,963.48	0.00	0.00
1,100.0	0.00	270.00	1,100.0	-2,503.5	0.0	0.0	802,832.89	454,963.48	0.00	0.00
1,150.0	0.00	270.00	1,150.0	-2,453.5	0.0	0.0	802,832.89	454,963.48	0.00	0.00
1,200.0	0.00	270.00	1,200.0	-2,403.5	0.0	0.0	802,832.89	454,963.48	0.00	0.00

3/20/2019 9:39:40AM

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COMPASS 5000.1 Build 56

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KASSEL-PEANES OF COMPANY

Morcor Engineering Morcor Standard Plan

ser Francis	Local Co-ordinate Reference:	Well Bell Lake South Unit 216H
I Lake South Unit 216H	TVD Reference:	WELL @ 3603.5usft (Original Well Elev)
I Lake South Unit 216H	MD Reference:	WELL @ 3603.5usft (Original Well Elev)
I Lake South Unit 216H	North Reference:	Grid
I Lake South Unit 216H	Survey Calculation Method:	Minimum Curvature
0319 Bell Lake South Unit 216H	Database:	EDM 5000.1 Single User Db
	.ake South Unit 216H .ake South Unit 216H .ake South Unit 216H .ake South Unit 216H	TVD Reference: ake South Unit 216H MD Reference: ake South Unit 216H North Reference: ake South Unit 216H Survey Calculation Method:

Planned Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	Easting (usft)	Northing (usft)	V. Sec (usft)	DLeg (°/100usft)
1,250.0	0.00	270.00	1,250.0	-2,353.5	0.0	0.0	802,832.89	454,963.48	0.00	0
1,300.0	0.00	270.00	1,300.0	-2,303.5	0.0	0.0	802,832.89	454,963.48	0.00	0
1,350.0	0.00	270.00	1,350.0	-2,253.5	0.0	0.0	802,832.89	454,963.48	0.00	0
1,400.0	0.00	270.00	1,400.0	-2,203.5	0.0	0.0	802,832.89	454,963.48	0.00	0
1,430.0	0.00	270.00	1,430.0	-2,173.5	0.0	0.0	802,832.89	454,963.48	0.00	0
Rustler										
1,450.0	0.00	270.00	1,450.0	-2,153.5	0.0	0.0	802,832.89	454,963.48	0.00	0
1,455.0	0.00	270.00	1,455.0	-2,148.5	0.0	0.0	802,832.89	454,963.48	0.00	C
13 3/8" Surface 1,500.0	Casing 0.00	270.00	1,500.0	-2,103.5	0.0	0.0	802,832.89	454,963.48	0.00	C
Start Build 3.00										
1,550.0	1.50	270.00	1,550.0	-2,053.5	0.0	-0.7	802,832.23	454,963.48	0.08	3
1,600.0	3.00	270.00	1,600.0	-2,003.5	0.0	-2.6	802,830.27	454,963.48	0.31	3
1,650.0	4.50	270.00	1,649.8	-1,953.7	0.0	-5.9	802,827.00	454,963.48	0.70	3
1,700.0	6.00	270.00	1,699.6	-1,903.9	0.0	-10.5	802,822.42	454,963.48	1.25	3
Start 8300.0 hol	d at 1700.0 MD									
1,750.0	6.00	270.00	1,749.4	-1,854.1	0.0	-15.7	802,817.20	454,963.48	1.88	(
1,800.0	6.00	270.00	1,799.1	-1,804.4	0.0	-20.9	802,811.97	454,963.48	2.50	C
1,809.0	6.00	270.00	1,808.0	-1,795.5	0.0	-21.9	802,811.03	454,963.48	2.61	C
Salado										
1,850.0	6.00	270.00	1,848.8	-1,754.7	0.0	-26.1	802,806.74	454,963.48	3.13	C
1,900.0	6.00	270.00	1,898.5	-1,705.0	0.0	-31.4	802,801.52	454,963.48	3.75	(
1,950.0	6.00	270.00	1,948.3	-1,655.2	0.0	-36.6	802,796.29	454,963.48	4.38	(
2,000.0	6.00	270.00	1,998.0	-1,605.5	0.0	-41.8	802,791.07	454,963.48	5.00	(
2,050.0	6.00	270.00	2,047.7	-1,555.8	0.0	-47.0	802,785.84	454,963.48	5.63	(
2,100.0	6.00	270.00	2,097.4	-1,506.1	0.0	-52.3	802,780.61	454,963.48	6.25	(
2,150.0	6.00	270.00	2,147.2	-1,456.3	0.0	-57.5	802,775.39	454,963.48	6.88	C

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COMPASS 5000.1 Build 56

KASER-PRANCE OF COMPANY

Morcor Engineering Morcor Standard Plan

Company:	Kaiser Francis	Local Co-ordinate Reference:	Well Bell Lake South Unit 216H
Project:	Bell Lake South Unit 216H	TVD Reference:	WELL @ 3603.5usft (Original Well Elev)
Site:	Bell Lake South Unit 216H	MD Reference:	WELL @ 3603.5usft (Original Well Elev)
Well:	Bell Lake South Unit 216H	North Reference:	Grid
Wellbore:	Bell Lake South Unit 216H	Survey Calculation Method:	Minimum Curvature
Design:	190319 Bell Lake South Unit 216H	Database:	EDM 5000.1 Single User Db
•			

Planned Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	Easting (usft)	Northing (usft)	V. Sec (usft)	DLeg (°/100usft)
2,160.9	6.00	270.00	2,158.0	-1,445.5	0.0	-58.6	802,774.25	454,963.48	7.02	
Top of Salt										
2,200.0	6.00	270.00	2,196.9	-1,406.6	0.0	-62.7	802,770.16	454,963.48	7.50	
2,250.0	6.00	270.00	2,246.6	-1,356.9	0.0	-68.0	802,764.93	454,963.48	8.13	
2,300.0	6.00	270.00	2,296.3	-1,307.2	0.0	-73.2	802,759.71	454,963.48	8.75	
2,350.0	6.00	270.00	2,346.1	-1,257.4	0.0	-78.4	802,754.48	454,963.48	9.38	
2,400.0	6.00	270.00	2,395.8	-1,207.7	0.0	-83.6	802,749.25	454,963.48	10.01	
2,450.0	6.00	270.00	2,445.5	-1,158.0	0.0	-88.9	802,744.03	454,963.48	10.63	
2,500.0	6.00	270.00	2,495.3	-1,108.2	0.0	-94.1	802,738.80	454,963.48	11.26	
2,550.0	6.00	270.00	2,545.0	-1,058.5	0.0	-99.3	802,733.57	454,963.48	11.88	
2,600.0	6.00	270.00	2,594.7	-1,008.8	0.0	-104.5	802,728.35	454,963.48	12.51	
2,650.0	6.00	270.00	2,644.4	-959.1	0.0	-109.8	802,723.12	454,963.48	13.13	
2,700.0	6.00	270.00	2,694.2	-909.3	0.0	-115.0	802,717.90	454,963.48	13.76	
2,750.0	6.00	270.00	2,743.9	-859.6	0.0	-120.2	802,712.67	454,963.48	14.38	
2,800.0	6.00	270.00	2,793.6	-809.9	0.0	-125.4	802,707.44	454,963.48	15.01	
2,850.0	6.00	270.00	2,843.3	-760.2	0.0	-130.7	802,702.22	454,963.48	15.63	
2,900.0	6.00	270.00	2,893.1	-710.4	0.0	-135.9	802,696.99	454,963.48	16.26	
2,950.0	6.00	270.00	2,942.8	-660.7	0.0	-141.1	802,691.76	454,963.48	16.88	
3,000.0	6.00	270.00	2,992.5	-611.0	0.0	-146.3	802,686.54	454,963.48	17.51	
3,050.0	6.00	270.00	3,042.2	-561.3	0.0	-151.6	802,681.31	454,963.48	18.13	
3,100.0	6.00	270.00	3,092.0	-511.5	0.0	-156.8	802,676.08	454,963.48	18.76	
3,150.0	6.00	270.00	3,141.7	-461.8	0.0	-162.0	802,670.86	454,963.48	19.38	
3,200.0	6.00	270.00	3,191.4	-412.1	0.0	-167.3	802,665.63	454,963.48	20.01	
3,250.0	6.00	270.00	3,241.1	-362.4	0.0	-172.5	802,660.41	454,963.48	20.63	
3,300.0	6.00	270.00	3,290.9	-312.6	0.0	-177.7	802,655.18	454,963.48	21.26	
3,350.0	6.00	270.00	3,340.6	-262.9	0.0	-182.9	802,649.95	454,963.48	21.89	
3,400.0	6.00	270.00	3,390.3	-213.2	0.0	-188.2	802,644.73	454,963.48	22.51	

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COMPASS 5000.1 Build 56

KASER PRANCES OF COMPANY

Morcor Engineering Morcor Standard Plan

Kaiser Francis	Local Co-ordinate Reference:	Well Bell Lake South Unit 216H
Bell Lake South Unit 216H	TVD Reference:	WELL @ 3603.5usft (Original Well Elev)
Bell Lake South Unit 216H	MD Reference:	WELL @ 3603.5usft (Original Well Elev)
Bell Lake South Unit 216H	North Reference:	Grid
Bell Lake South Unit 216H	Survey Calculation Method:	Minimum Curvature
190319 Bell Lake South Unit 216H	Database:	EDM 5000.1 Single User Db
	Bell Lake South Unit 216H Bell Lake South Unit 216H Bell Lake South Unit 216H Bell Lake South Unit 216H	Bell Lake South Unit 216H TVD Reference: Bell Lake South Unit 216H MD Reference: Bell Lake South Unit 216H North Reference: Bell Lake South Unit 216H Survey Calculation Method:

Planned Survey

MD (usft)	lnc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	Easting (usft)	Northing (usft)	V. Sec (usft)	DLeg (°/100usft)
3,450.0	6.00	270.00	3,440.0	-163.5	0.0	-193.4	802,639.50	454,963.48	23.14	0.
3,500.0	6.00	270.00	3,489.8	-113.7	0.0	-198.6	802,634.27	454,963.48	23.76	0.
3,550.0	6.00	270.00	3,539.5	-64.0	0.0	-203.8	802,629.05	454,963.48	24.39	0.
3,600.0	6.00	270.00	3,589.2	-14.3	0.0	-209.1	802,623.82	454,963.48	25.01	0.
3,650.0	6.00	270.00	3,639.0	35.5	0.0	-214.3	802,618.59	454,963.48	25.64	0.
3,700.0	6.00	270.00	3,688.7	85.2	0.0	-219.5	802,613.37	454,963.48	26.26	0.
3,750.0	6.00	270.00	3,738.4	134.9	0.0	-224.7	802,608.14	454,963.48	26.89	0.
3,800.0	6.00	270.00	3,788.1	184.6	0.0	-230.0	802,602.91	454,963.48	27.51	0.
3,850.0	6.00	270.00	3,837.9	234.4	0.0	-235.2	802,597.69	454,963.48	28.14	0.
3,900.0	6.00	270.00	3,887.6	284.1	0.0	-240.4	802,592.46	454,963.48	28.76	0.
3,950.0	6.00	270.00	3,937.3	333.8	0.0	-245.7	802,587.24	454,963.48	29.39	0.
4,000.0	6.00	270.00	3,987.0	383.5	0.0	-250.9	802,582.01	454,963.48	30.01	0
4,050.0	6.00	270.00	4,036.8	433.3	0.0	-256.1	802,576.78	454,963.48	30.64	0.
4,100.0	6.00	270.00	4,086.5	483.0	0.0	-261.3	802,571.56	454,963.48	31.26	0.
4,150.0	6.00	270.00	4,136.2	532.7	0.0	-266.6	802,566.33	454,963.48	31.89	0
4,200.0	6.00	270.00	4,185.9	582.4	0.0	-271.8	802,561.10	454,963.48	32.51	0
4,250.0	6.00	270.00	4,235.7	632.2	0.0	-277.0	802,555.88	454,963.48	33.14	0
4,300.0	6.00	270.00	4,285.4	681.9	0.0	-282.2	802,550.65	454,963.48	33.77	0.
4,350.0	6.00	270.00	4,335.1	731.6	0.0	-287.5	802,545.42	454,963.48	34.39	0.
4,400.0	6.00	270.00	4,384.8	781.3	0.0	-292.7	802,540.20	454,963.48	35.02	0.
4,450.0	6.00	270.00	4,434.6	831.1	0.0	-297.9	802,534.97	454,963.48	35.64	0.
4,500.0	6.00	270.00	4,484.3	880.8	0.0	-303.1	802,529.74	454,963.48	36.27	0.
4,550.0	6.00	270.00	4,534.0	930.5	0.0	-308.4	802,524.52	454,963.48	36.89	0
4,600.0	6.00	270.00	4,583.7	980.2	0.0	-313.6	802,519.29	454,963.48	37.52	0
4,650.0	6.00	270.00	4,633.5	1,030.0	0.0	-318.8	802,514.07	454,963.48	38.14	0.
4,700.0	6.00	270.00	4,683.2	1,079.7	0.0	-324.0	802,508.84	454,963.48	38.77	0
4,750.0	6.00	270.00	4,732.9	1,129.4	0.0	-329.3	802,503.61	454,963.48	39.39	0.

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COMPASS 5000.1 Build 56

KASER PRANCE OF COMPANY

Morcor Engineering Morcor Standard Plan

Company:	Kaiser Francis	Local Co-ordinate Reference:	Well Bell Lake South Unit 216H
Project:	Bell Lake South Unit 216H	TVD Reference:	WELL @ 3603.5usft (Original Well Elev)
Site:	Bell Lake South Unit 216H	MD Reference:	WELL @ 3603.5usft (Original Well Elev)
Well:	Bell Lake South Unit 216H	North Reference:	Grid
Wellbore:	Bell Lake South Unit 216H	Survey Calculation Method:	Minimum Curvature
Design:	190319 Bell Lake South Unit 216H	Database:	EDM 5000.1 Single User Db

Planned Survey

MD (usft)	lnc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	Easting (usft)	Northing (usft)	V. Sec (usft)	DLeg (°/100usft)
4,800.0	6.00	270.00	4,782.7	1,179.2	0.0	-334.5	802,498.39	454,963.48	40.02	
4,850.0	6.00	270.00	4,832.4	1,228.9	0.0	-339.7	802,493.16	454,963.48	40.64	
4,900.0	6.00	270.00	4,882.1	1,278.6	0.0	-345.0	802,487.93	454,963.48	41.27	
4,950.0	6.00	270.00	4,931.8	1,328.3	0.0	-350.2	802,482.71	454,963.48	41.89	
5,000.0	6.00	270.00	4,981.6	1,378.1	0.0	-355.4	802,477.48	454,963.48	42.52	
5,050.0	6.00	270.00	5,031.3	1,427.8	0.0	-360.6	802,472.25	454,963.48	43.14	
5,076.9	6.00	270.00	5,058.0	1,454.5	0.0	-363.4	802,469.45	454,963.48	43.48	
Base of Salt										
5,100.0	6.00	270.00	5,081.0	1,477.5	0.0	-365.9	802,467.03	454,963.48	43.77	
5,150.0	6.00	270.00	5,130.7	1,527.2	0.0	-371.1	802,461.80	454,963.48	44.39	
5,200.0	6.00	270.00	5,180.5	1,577.0	0.0	-376.3	802,456.57	454,963.48	45.02	
5,250.0	6.00	270.00	5,230.2	1,626.7	0.0	-381.5	802,451.35	454,963.48	45.65	
5,300.0	6.00	270.00	5,279.9	1,676.4	0.0	-386.8	802,446.12	454,963.48	46.27	
5,328.2	6.00	270.00	5,308.0	1,704.5	0.0	-389.7	802,443.17	454,963.48	46.62	
Lamar	0.00	070.00	5 000 0	4 700 4		000.0	000 440 00	151 000 10	10.00	
5,350.0	6.00	270.00	5,329.6	1,726.1	0.0	-392.0	802,440.90	454,963.48	46.90	
5,373.5	6.00	270.00	5,353.0	1,749.5	0.0	-394.4	802,438.44	454,963.48	47.19	
9 5/8" Interme										
5,400.0	6.00	270.00	5,379.4	1,775.9	0.0	-397.2	802,435.67	454,963.48	47.52	
5,450.0	6.00	270.00	5,429.1	1,825.6	0.0	-402.4	802,430.44	454,963.48	48.15	
5,479.1	6.00	270.00	5,458.0	1,854.5	0.0	-405.5	802,427.40	454,963.48	48.51	
Bell Canyon 5,500.0	6.00	270.00	5,478.8	1,875.3	0.0	-407.7	802.425.22	454,963.48	48.77	
5,550.0	6.00	270.00	5,528.5	1,925.0	0.0	-412.9	802,419.99	454,963.48	49.40	
5,600.0	6.00	270.00	5,578.3	1,974.8	0.0	-418.1	802,414.76	454,963.48	50.02	
5,650.0	6.00	270.00	5,628.0	2,024.5	0.0	-423.3	802,409.54	454,963.48	50.65	
5,700.0	6.00	270.00	5,677.7	2,074.2	0.0	-428.6	802,404.31	454,963.48	51.27	
5,750.0	6.00	270.00	5,727.4	2,123.9	0.0	-433.8	802,399.08	454,963.48	51.90	

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COMPASS 5000.1 Build 56

KASER PRANCE OF COMPANY

Morcor Engineering Morcor Standard Plan

Company:	Kaiser Francis	Local Co-ordinate Reference:	Well Bell Lake South Unit 216H
Project:	Bell Lake South Unit 216H	TVD Reference:	WELL @ 3603.5usft (Original Well Elev)
Site:	Bell Lake South Unit 216H	MD Reference:	WELL @ 3603.5usft (Original Well Elev)
Well:	Bell Lake South Unit 216H	North Reference:	Grid
Wellbore:	Bell Lake South Unit 216H	Survey Calculation Method:	Minimum Curvature
Design:	190319 Bell Lake South Unit 216H	Database:	EDM 5000.1 Single User Db

Planned Survey

MD (usft)	lnc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	Easting (usft)	Northing (usft)	V. Sec (usft)	DLeg (°/100usft)
5,800.0	6.00	270.00	5,777.2	2,173.7	0.0	-439.0	802,393.86	454,963.48	52.52	0.00
5,850.0	6.00	270.00	5,826.9	2,223.4	0.0	-444.3	802,388.63	454,963.48	53.15	0.00
5,900.0	6.00	270.00	5,876.6	2,273.1	0.0	-449.5	802,383.40	454,963.48	53.77	0.00
5,950.0	6.00	270.00	5,926.4	2,322.9	0.0	-454.7	802,378.18	454,963.48	54.40	0.00
6,000.0	6.00	270.00	5,976.1	2,372.6	0.0	-459.9	802,372.95	454,963.48	55.02	0.00
6,050.0	6.00	270.00	6,025.8	2,422.3	0.0	-465.2	802,367.73	454,963.48	55.65	0.00
6,100.0	6.00	270.00	6,075.5	2,472.0	0.0	-470.4	802,362.50	454,963.48	56.27	0.00
6,150.0	6.00	270.00	6,125.3	2,521.8	0.0	-475.6	802,357.27	454,963.48	56.90	0.00
6,200.0	6.00	270.00	6,175.0	2,571.5	0.0	-480.8	802,352.05	454,963.48	57.53	0.00
6,250.0	6.00	270.00	6,224.7	2,621.2	0.0	-486.1	802,346.82	454,963.48	58.15	0.00
6,300.0	6.00	270.00	6,274.4	2,670.9	0.0	-491.3	802,341.59	454,963.48	58.78	0.00
6,333.7	6.00	270.00	6,308.0	2,704.5	0.0	-494.8	802,338.07	454,963.48	59.20	0.00
Cherry Canyon										
6,350.0	6.00	270.00	6,324.2	2,720.7	0.0	-496.5	802,336.37	454,963.48	59.40	0.00
6,400.0	6.00	270.00	6,373.9	2,770.4	0.0	-501.7	802,331.14	454,963.48	60.03	0.00
6,450.0	6.00	270.00	6,423.6	2,820.1	0.0	-507.0	802,325.91	454,963.48	60.65	0.00
6,500.0	6.00	270.00	6,473.3	2,869.8	0.0	-512.2	802,320.69	454,963.48	61.28	0.00
6,550.0	6.00	270.00	6,523.1	2,919.6	0.0	-517.4	802,315.46	454,963.48	61.90	0.00
6,600.0	6.00	270.00	6,572.8	2,969.3	0.0	-522.7	802,310.23	454,963.48	62.53	0.00
6,650.0	6.00	270.00	6,622.5	3,019.0	0.0	-527.9	802,305.01	454,963.48	63.15	0.00
6,700.0	6.00	270.00	6,672.2	3,068.7	0.0	-533.1	802,299.78	454,963.48	63.78	0.00
6,750.0	6.00	270.00	6,722.0	3,118.5	0.0	-538.3	802,294.56	454,963.48	64.40	0.00
6,800.0	6.00	270.00	6,771.7	3,168.2	0.0	-543.6	802,289.33	454,963.48	65.03	0.00
6,850.0	6.00	270.00	6,821.4	3,217.9	0.0	-548.8	802,284.10	454,963.48	65.65	0.00
6,900.0	6.00	270.00	6,871.1	3,267.6	0.0	-554.0	802,278.88	454,963.48	66.28	0.00
6,950.0	6.00	270.00	6,920.9	3,317.4	0.0	-559.2	802,273.65	454,963.48	66.90	0.00
7,000.0	6.00	270.00	6,970.6	3,367.1	0.0	-564.5	802,268.42	454,963.48	67.53	0.00

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COMPASS 5000.1 Build 56

KASER PRANCE OF COMPANY

Morcor Engineering Morcor Standard Plan

Company:	Kaiser Francis	Local Co-ordinate Reference:	Well Bell Lake South Unit 216H
Project:	Bell Lake South Unit 216H	TVD Reference:	WELL @ 3603.5usft (Original Well Elev)
Site:	Bell Lake South Unit 216H	MD Reference:	WELL @ 3603.5usft (Original Well Elev)
Well:	Bell Lake South Unit 216H	North Reference:	Grid
Wellbore:	Bell Lake South Unit 216H	Survey Calculation Method:	Minimum Curvature
Design:	190319 Bell Lake South Unit 216H	Database:	EDM 5000.1 Single User Db

Planned Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	Easting (usft)	Northing (usft)	V. Sec (usft)	DLeg (°/100usft)
7,050.0	6.00	270.00	7,020.3	3,416.8	0.0	-569.7	802,263.20	454,963.48	68.15	0.00
7,100.0	6.00	270.00	7,070.1	3,466.6	0.0	-574.9	802,257.97	454,963.48	68.78	0.00
7,150.0	6.00	270.00	7,119.8	3,516.3	0.0	-580.1	802,252.74	454,963.48	69.41	0.00
7,200.0	6.00	270.00	7,169.5	3,566.0	0.0	-585.4	802,247.52	454,963.48	70.03	0.00
7,250.0	6.00	270.00	7,219.2	3,615.7	0.0	-590.6	802,242.29	454,963.48	70.66	0.00
7,300.0	6.00	270.00	7,269.0	3,665.5	0.0	-595.8	802,237.06	454,963.48	71.28	0.00
7,350.0	6.00	270.00	7,318.7	3,715.2	0.0	-601.0	802,231.84	454,963.48	71.91	0.00
7,400.0	6.00	270.00	7,368.4	3,764.9	0.0	-606.3	802,226.61	454,963.48	72.53	0.00
7,450.0	6.00	270.00	7,418.1	3,814.6	0.0	-611.5	802,221.39	454,963.48	73.16	0.00
7,500.0	6.00	270.00	7,467.9	3,864.4	0.0	-616.7	802,216.16	454,963.48	73.78	0.00
7,550.0	6.00	270.00	7,517.6	3,914.1	0.0	-622.0	802,210.93	454,963.48	74.41	0.00
7,600.0	6.00	270.00	7,567.3	3,963.8	0.0	-627.2	802,205.71	454,963.48	75.03	0.00
7,650.0	6.00	270.00	7,617.0	4,013.5	0.0	-632.4	802,200.48	454,963.48	75.66	0.00
7,700.0	6.00	270.00	7,666.8	4,063.3	0.0	-637.6	802,195.25	454,963.48	76.28	0.00
7,750.0	6.00	270.00	7,716.5	4,113.0	0.0	-642.9	802,190.03	454,963.48	76.91	0.00
7,771.6	6.00	270.00	7,738.0	4,134.5	0.0	-645.1	802,187.77	454,963.48	77.18	0.00
Brushy Canyon										
7,800.0	6.00	270.00	7,766.2	4,162.7	0.0	-648.1	802,184.80	454,963.48	77.53	0.00
7,850.0	6.00	270.00	7,815.9	4,212.4	0.0	-653.3	802,179.57	454,963.48	78.16	0.00
7,900.0	6.00	270.00	7,865.7	4,262.2	0.0	-658.5	802,174.35	454,963.48	78.78	0.00
7,950.0	6.00	270.00	7,915.4	4,311.9	0.0	-663.8	802,169.12	454,963.48	79.41	0.00
8,000.0	6.00	270.00	7,965.1	4,361.6	0.0	-669.0	802,163.89	454,963.48	80.03	0.00
8,050.0	6.00	270.00	8,014.8	4,411.3	0.0	-674.2	802,158.67	454,963.48	80.66	0.00
8,100.0	6.00	270.00	8,064.6	4,461.1	0.0	-679.4	802,153.44	454,963.48	81.29	0.00
8,150.0	6.00	270.00	8,114.3	4,510.8	0.0	-684.7	802,148.22	454,963.48	81.91	0.00
8,200.0	6.00	270.00	8,164.0	4,560.5	0.0	-689.9	802,142.99	454,963.48	82.54	0.00
8,250.0	6.00	270.00	8,213.8	4,610.3	0.0	-695.1	802,137.76	454,963.48	83.16	0.00

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COMPASS 5000.1 Build 56

KASER PRANCES OF COMPANY

Morcor Engineering Morcor Standard Plan

Kaiser Francis	Local Co-ordinate Reference:	Well Bell Lake South Unit 216H
Bell Lake South Unit 216H	TVD Reference:	WELL @ 3603.5usft (Original Well Elev)
Bell Lake South Unit 216H	MD Reference:	WELL @ 3603.5usft (Original Well Elev)
Bell Lake South Unit 216H	North Reference:	Grid
Bell Lake South Unit 216H	Survey Calculation Method:	Minimum Curvature
190319 Bell Lake South Unit 216H	Database:	EDM 5000.1 Single User Db
	Beil Lake South Unit 216H Beil Lake South Unit 216H Beil Lake South Unit 216H Beil Lake South Unit 216H	Bell Lake South Unit 216H TVD Reference: Bell Lake South Unit 216H MD Reference: Bell Lake South Unit 216H North Reference: Bell Lake South Unit 216H Survey Calculation Method:

Planned Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	Easting (usft)	Northing (usft)	V. Sec (usft)	DLeg (°/100usft)
8,300.0	6.00	270.00	8,263.5	4,660.0	0.0	-700.4	802,132.54	454,963.48	83.79	0.0
8,350.0	6.00	270.00	8,313.2	4,709.7	0.0	-705.6	802,127.31	454,963.48	84.41	0.0
8,400.0	6.00	270.00	8,362.9	4,759.4	0.0	-710.8	802,122.08	454,963.48	85.04	0.0
8,450.0	6.00	270.00	8,412.7	4,809.2	0.0	-716.0	802,116.86	454,963.48	85.66	0.0
8,500.0	6.00	270.00	8,462.4	4,858.9	0.0	-721.3	802,111.63	454,963.48	86.29	0.0
8,550.0	6.00	270.00	8,512.1	4,908.6	0.0	-726.5	802,106.40	454,963.48	86.91	0.0
8,600.0	6.00	270.00	8,561.8	4,958.3	0.0	-731.7	802,101.18	454,963.48	87.54	0.0
8,650.0	6.00	270.00	8,611.6	5,008.1	0.0	-736.9	802,095.95	454,963.48	88.16	0.0
8,700.0	6.00	270.00	8,661.3	5,057.8	0.0	-742.2	802,090.72	454,963.48	88.79	0.0
8,750.0	6.00	270.00	8,711.0	5,107.5	0.0	-747.4	802,085.50	454,963.48	89.41	0.0
8,800.0	6.00	270.00	8,760.7	5,157.2	0.0	-752.6	802,080.27	454,963.48	90.04	0.0
8,850.0	6.00	270.00	8,810.5	5,207.0	0.0	-757.8	802,075.05	454,963.48	90.66	0.0
8,900.0	6.00	270.00	8,860.2	5,256.7	0.0	-763.1	802,069.82	454,963.48	91.29	0.0
8,917.9	6.00	270.00	8,878.0	5,274.5	0.0	-764.9	802,067.95	454,963.48	91.51	0.0
Bone Spring										
8,950.0	6.00	270.00	8,909.9	5,306.4	0.0	-768.3	802,064.59	454,963.48	91.91	0.0
9,000.0	6.00	270.00	8,959.6	5,356.1	0.0	-773.5	802,059.37	454,963.48	92.54	0.0
9,050.0	6.00	270.00	9,009.4	5,405.9	0.0	-778.7	802,054.14	454,963.48	93.17	0.0
9,078.8	6.00	270.00	9,038.0	5,434.5	0.0	-781.8	802,051.13	454,963.48	93.53	0.0
Avalon										
9,100.0	6.00	270.00	9,059.1	5,455.6	0.0	-784.0	802,048.91	454,963.48	93.79	0.0
9,150.0	6.00	270.00	9,108.8	5,505.3	0.0	-789.2	802,043.69	454,963.48	94.42	0.0
9,200.0	6.00	270.00	9,158.5	5,555.0	0.0	-794.4	802,038.46	454,963.48	95.04	0.0
9,250.0	6.00	270.00	9,208.3	5,604.8	0.0	-799.7	802,033.23	454,963.48	95.67	0.0
9,300.0	6.00	270.00	9,258.0	5,654.5	0.0	-804.9	802,028.01	454,963.48	96.29	0.0
9,350.0	6.00	270.00	9,307.7	5,704.2	0.0	-810.1	802,022.78	454,963.48	96.92	0.0
9,400.0	6.00	270.00	9,357.5	5,754.0	0.0	-815.3	802,017.55	454,963.48	97.54	0.0

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COMPASS 5000.1 Build 56

KASSER-PRANCES OR, COMPANY

Morcor Engineering Morcor Standard Plan

Company:	Kaiser Francis	Local Co-ordinate Reference:	Well Bell Lake South Unit 216H
Project:	Bell Lake South Unit 216H	TVD Reference:	WELL @ 3603.5usft (Original Well Elev)
Site:	Bell Lake South Unit 216H	MD Reference:	WELL @ 3603.5usft (Original Well Elev)
Well:	Bell Lake South Unit 216H	North Reference:	Grid
Wellbore:	Bell Lake South Unit 216H	Survey Calculation Method:	Minimum Curvature
Design:	190319 Bell Lake South Unit 216H	Database:	EDM 5000.1 Single User Db

Planned	SURVOV

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	Easting (usft)	Northing (usft)	V. Sec (usft)	DLeg (°/100usft)
9,450.0	6.00	270.00	9,407.2	5,803.7	0.0	-820.6	802,012.33	454,963.48	98.17	0.
9,500.0	6.00	270.00	9,456.9	5,853.4	0.0	-825.8	802,007.10	454,963.48	98.79	0.
9,550.0	6.00	270.00	9,506.6	5,903.1	0.0	-831.0	802,001.88	454,963.48	99.42	0.
9,600.0	6.00	270.00	9,556.4	5,952.9	0.0	-836.2	801,996.65	454,963.48	100.04	0
9,650.0	6.00	270.00	9,606.1	6,002.6	0.0	-841.5	801,991.42	454,963.48	100.67	0
9,700.0	6.00	270.00	9,655.8	6,052.3	0.0	-846.7	801,986.20	454,963.48	101.29	0
9,750.0	6.00	270.00	9,705.5	6,102.0	0.0	-851.9	801,980.97	454,963.48	101.92	0
9,800.0	6.00	270.00	9,755.3	6,151.8	0.0	-857.1	801,975.74	454,963.48	102.54	0
9,850.0	6.00	270.00	9,805.0	6,201.5	0.0	-862.4	801,970.52	454,963.48	103.17	0
9,900.0	6.00	270.00	9,854.7	6,251.2	0.0	-867.6	801,965.29	454,963.48	103.79	C
9,950.0	6.00	270.00	9,904.4	6,300.9	0.0	-872.8	801,960.06	454,963.48	104.42	(
10,000.0	6.00	270.00	9,954.2	6,350.7	0.0	-878.0	801,954.84	454,963.48	105.05	(
Start Drop -3.00										
10,050.0	4.50	270.00	10,004.0	6,400.5	0.0	-882.6	801,950.26	454,963.48	105.59	3
10,054.1	4.38	270.00	10,008.0	6,404.5	0.0	-882.9	801,949.95	454,963.48	105.63	:
1st Bone Spring										
10,100.0	3.00	270.00	10,053.8	6,450.3	0.0	-885.9	801,946.99	454,963.48	105.98	3
10,150.0	1.50	270.00	10,103.8	6,500.3	0.0	-887.9	801,945.03	454,963.48	106.22	3
10,200.0	0.00	0.00	10,153.8	6,550.3	0.0	-888.5	801,944.38	454,963.48	106.30	3
Start 73.2 hold at										
10,250.0	0.00	0.00	10,203.8	6,600.3	0.0	-888.5	801,944.38	454,963.48	106.30	(
10,273.2	0.00	180.55	10,227.0	6,623.5	0.0	-888.5	801,944.38	454,963.48	106.30	C
Start Build 10.00										
10,300.0	2.68	180.55	10,253.8	6,650.3	-0.6	-888.5	801,944.37	454,962.85	106.92	10
10,350.0	7.68	180.55	10,303.6	6,700.1	-5.1	-888.6	801,944.33	454,958.34	111.41	10
10,400.0	12.68	180.55	10,352.8	6,749.3	-14.0	-888.6	801,944.24	454,949.50	120.19	10
10,450.0	17.68	180.55	10,401.0	6,797.5	-27.1	-888.8	801,944.12	454,936.42	133.19	10

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COMPASS 5000.1 Build 56

RASSIN PRANCES OR, COMPANY

Morcor Engineering Morcor Standard Plan

Company:	Kaiser Francis	Local Co-ordinate Reference:	Well Bell Lake South Unit 216H
Project:	Bell Lake South Unit 216H	TVD Reference:	WELL @ 3603.5usft (Original Well Elev)
Site:	Bell Lake South Unit 216H	MD Reference:	WELL @ 3603.5usft (Original Well Elev)
Well:	Bell Lake South Unit 216H	North Reference:	Grid
Wellbore:	Bell Lake South Unit 216H	Survey Calculation Method:	Minimum Curvature
Design:	190319 Bell Lake South Unit 216H	Database:	EDM 5000.1 Single User Db

Planned Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	Easting (usft)	Northing (usft)	V. Sec (usft)	DLeg (°/100usft)
10,500.0	22.68	180.55	10,447.9	6,844.4	-44.3	-888.9	801,943.95	454,919.17	150.33	10.0
10,550.0	27.68	180.55	10,493.2	6,889.7	-65.6	-889.1	801,943.75	454,897.91	171.47	10.0
10,600.0	32.68	180.55	10,536.4	6,932.9	-90.7	-889.4	801,943.50	454,872.78	196.45	10.0
10,650.0	37.68	180.55	10,577.2	6,973.7	-119.5	-889.7	801,943.23	454,843.98	225.07	10.0
10,676.7	40.35	180.55	10,598.0	6,994.5	-136.3	-889.8	801,943.07	454,827.15	241.80	10.0
Point of Penetra	tion - 2nd Bone S	pring								
10,700.0	42.68	180.55	10,615.4	7,011.9	-151.7	-890.0	801,942.92	454,811.74	257.12	10.0
10,750.0	47.68	180.55	10,650.6	7,047.1	-187.2	-890.3	801,942.58	454,776.28	292.36	10.0
10,800.0	52.68	180.55	10,682.7	7,079.2	-225.6	-890.7	801,942.21	454,737.89	330.52	10.0
10,850.0	57.68	180.55	10,711.2	7,107.7	-266.6	-891.1	801,941.82	454,696.86	371.30	10.0
10,900.0	62.68	180.55	10,736.0	7,132.5	-310.0	-891.5	801,941.40	454,653.50	414.41	10.
10,950.0	67.68	180.55	10,757.0	7,153.5	-355.3	-891.9	801,940.96	454,608.13	459.50	10.
11,000.0	72.68	180.55	10,774.0	7,170.5	-402.4	-892.4	801,940.51	454,561.11	506.23	10.
11,050.0	77.68	180.55	10,786.8	7,183.3	-450.7	-892.8	801,940.05	454,512.79	554.26	10.
11,094.0	82.08	180.55	10,794.5	7,191.0	-494.0	-893.3	801,939.63	454,469.49	597.30	10.
First Take Point										
11,100.0	82.68	180.55	10,795.3	7,191.8	-499.9	-893.3	801,939.58	454,463.54	603.21	10.
11,150.0	87.68	180.55	10,799.5	7,196.0	-549.7	-893.8	801,939.10	454,413.74	652.72	10.
11,173.2	90.00	180.55	10,800.0	7,196.5	-572.9	-894.0	801,938.88	454,390.54	675.77	10.
Start Turn 0.09										
11,200.0	90.00	180.57	10,800.0	7,196.5	-599.7	-894.3	801,938.61	454,363.75	702.41	0.
11,250.0	90.00	180.62	10,800.0	7,196.5	-649.7	-894.8	801,938.09	454,313.75	752.11	0.
Start Turn 0.00										
11,300.0	90.00	180.62	10,800.0	7,196.5	-699.7	-895.3	801,937.55	454,263.75	801.81	0.
11,350.0	90.00	180.62	10,800.0	7,196.5	-749.7	-895.9	801,937.01	454,213.75	851.52	0.
11,400.0	90.00	180.62	10,800.0	7,196.5	-799.7	-896.4	801,936.47	454,163.76	901.22	0.
11,450.0	90.00	180.62	10,800.0	7,196.5	-849.7	-897.0	801,935.93	454,113.76	950.92	0.
11,500.0	90.00	180.62	10,800.0	7,196.5	-899.7	-897.5	801,935.39	454,063.76	1,000.62	0.0

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COMPASS 5000.1 Build 56

KASSE-PEANES OF COMPANY

Morcor Engineering Morcor Standard Plan

Company:	Kaiser Francis	Local Co-ordinate Reference:	Well Bell Lake South Unit 216H
Project:	Bell Lake South Unit 216H	TVD Reference:	WELL @ 3603.5usft (Original Well Elev)
Site:	Bell Lake South Unit 216H	MD Reference:	WELL @ 3603.5usft (Original Well Elev)
Well:	Bell Lake South Unit 216H	North Reference:	Grid
Wellbore:	Bell Lake South Unit 216H	Survey Calculation Method:	Minimum Curvature
Design:	190319 Bell Lake South Unit 216H	Database:	EDM 5000.1 Single User Db

Planned Survey

MD (usft)	lnc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	Easting (usft)	Northing (usft)	V. Sec (usft)	DLeg (°/100usft)
11,550.0	90.00	180.62	10,800.0	7,196.5	-949.7	-898.0	801,934.85	454,013.77	1,050.33	0
11,600.0	90.00	180.62	10,800.0	7,196.5	-999.7	-898.6	801,934.31	453,963.77	1,100.03	0
11,650.0	90.00	180.62	10,800.0	7,196.5	-1,049.7	-899.1	801,933.76	453,913.77	1,149.73	0
11,700.0	90.00	180.62	10,800.0	7,196.5	-1,099.7	-899.7	801,933.22	453,863.78	1,199.43	0
11,750.0	90.00	180.62	10,800.0	7,196.5	-1,149.7	-900.2	801,932.68	453,813.78	1,249.14	0
11,800.0	90.00	180.62	10,800.0	7,196.5	-1,199.7	-900.7	801,932.14	453,763.78	1,298.84	0
11,850.0	90.00	180.62	10,800.0	7,196.5	-1,249.7	-901.3	801,931.60	453,713.78	1,348.54	0
11,900.0	90.00	180.62	10,800.0	7,196.5	-1,299.7	-901.8	801,931.06	453,663.79	1,398.24	0.
11,950.0	90.00	180.62	10,800.0	7,196.5	-1,349.7	-902.4	801,930.52	453,613.79	1,447.95	0
12,000.0	90.00	180.62	10,800.0	7,196.5	-1,399.7	-902.9	801,929.98	453,563.79	1,497.65	0
12,050.0	90.00	180.62	10,800.0	7,196.5	-1,449.7	-903.4	801,929.44	453,513.80	1,547.35	0
12,100.0	90.00	180.62	10,800.0	7,196.5	-1,499.7	-904.0	801,928.90	453,463.80	1,597.05	0
12,150.0	90.00	180.62	10,800.0	7,196.5	-1,549.7	-904.5	801,928.36	453,413.80	1,646.76	0
12,200.0	90.00	180.62	10,800.0	7,196.5	-1,599.7	-905.1	801,927.82	453,363.80	1,696.46	0
12,250.0	90.00	180.62	10,800.0	7,196.5	-1,649.7	-905.6	801,927.28	453,313.81	1,746.16	0
12,300.0	90.00	180.62	10,800.0	7,196.5	-1,699.7	-906.1	801,926.74	453,263.81	1,795.87	0
12,350.0	90.00	180.62	10,800.0	7,196.5	-1,749.7	-906.7	801,926.20	453,213.81	1,845.57	0
12,400.0	90.00	180.62	10,800.0	7,196.5	-1,799.7	-907.2	801,925.66	453,163.82	1,895.27	0
12,450.0	90.00	180.62	10,800.0	7,196.5	-1,849.7	-907.8	801,925.12	453,113.82	1,944.97	0
12,500.0	90.00	180.62	10,800.0	7,196.5	-1,899.7	-908.3	801,924.58	453,063.82	1,994.68	0
12,550.0	90.00	180.62	10,800.0	7,196.5	-1,949.7	-908.8	801,924.04	453,013.82	2,044.38	0
12,600.0	90.00	180.62	10,800.0	7,196.5	-1,999.6	-909.4	801,923.50	452,963.83	2,094.08	0
12,650.0	90.00	180.62	10,800.0	7,196.5	-2,049.6	-909.9	801,922.97	452,913.83	2,143.78	0
12,700.0	90.00	180.62	10,800.0	7,196.5	-2,099.6	-910.5	801,922.43	452,863.83	2,193.49	0
12,750.0	90.00	180.62	10,800.0	7,196.5	-2,149.6	-911.0	801,921.89	452,813.84	2,243.19	0
12,800.0	90.00	180.62	10,800.0	7,196.5	-2,199.6	-911.5	801,921.35	452,763.84	2,292.89	0
12,850.0	90.00	180.62	10,800.0	7,196.5	-2,249.6	-912.1	801,920.81	452,713.84	2,342.59	0

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COMPASS 5000.1 Build 56

KASER PRANCES OF COMPANY

Morcor Engineering Morcor Standard Plan

Company:	Kaiser Francis	Local Co-ordinate Reference:	Well Bell Lake South Unit 216H
Project:	Bell Lake South Unit 216H	TVD Reference:	WELL @ 3603.5usft (Original Well Elev)
Site:	Bell Lake South Unit 216H	MD Reference:	WELL @ 3603.5usft (Original Well Elev)
Well:	Bell Lake South Unit 216H	North Reference:	Grid
Wellbore:	Bell Lake South Unit 216H	Survey Calculation Method:	Minimum Curvature
Design:	190319 Bell Lake South Unit 216H	Database:	EDM 5000.1 Single User Db

Planned Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	Easting (usft)	Northing (usft)	V. Sec (usft)	DLeg (°/100usft)
12,900.0	90.00	180.62	10,800.0	7,196.5	-2,299.6	-912.6	801,920.27	452,663.85	2,392.30	0.00
12,950.0	90.00	180.62	10,800.0	7,196.5	-2,349.6	-913.2	801,919.73	452,613.85	2,442.00	0.00
13,000.0	90.00	180.62	10,800.0	7,196.5	-2,399.6	-913.7	801,919.19	452,563.85	2,491.70	0.00
13,050.0	90.00	180.62	10,800.0	7,196.5	-2,449.6	-914.2	801,918.65	452,513.85	2,541.40	0.00
13,100.0	90.00	180.62	10,800.0	7,196.5	-2,499.6	-914.8	801,918.11	452,463.86	2,591.11	0.00
13,150.0	90.00	180.62	10,800.0	7,196.5	-2,549.6	-915.3	801,917.57	452,413.86	2,640.81	0.00
13,200.0	90.00	180.62	10,800.0	7,196.5	-2,599.6	-915.9	801,917.04	452,363.86	2,690.51	0.00
13,250.0	90.00	180.62	10,800.0	7,196.5	-2,649.6	-916.4	801,916.50	452,313.87	2,740.21	0.00
13,300.0	90.00	180.62	10,800.0	7,196.5	-2,699.6	-916.9	801,915.96	452,263.87	2,789.92	0.00
13,350.0	90.00	180.62	10,800.0	7,196.5	-2,749.6	-917.5	801,915.42	452,213.87	2,839.62	0.00
13,400.0	90.00	180.62	10,800.0	7,196.5	-2,799.6	-918.0	801,914.88	452,163.87	2,889.32	0.00
13,450.0	90.00	180.62	10,800.0	7,196.5	-2,849.6	-918.5	801,914.34	452,113.88	2,939.02	0.00
13,500.0	90.00	180.62	10,800.0	7,196.5	-2,899.6	-919.1	801,913.80	452,063.88	2,988.73	0.00
13,550.0	90.00	180.62	10,800.0	7,196.5	-2,949.6	-919.6	801,913.27	452,013.88	3,038.43	0.00
13,600.0	90.00	180.62	10,800.0	7,196.5	-2,999.6	-920.2	801,912.73	451,963.89	3,088.13	0.00
13,650.0	90.00	180.62	10,800.0	7,196.5	-3,049.6	-920.7	801,912.19	451,913.89	3,137.83	0.00
13,700.0	90.00	180.62	10,800.0	7,196.5	-3,099.6	-921.2	801,911.65	451,863.89	3,187.54	0.00
13,750.0	90.00	180.62	10,800.0	7,196.5	-3,149.6	-921.8	801,911.11	451,813.89	3,237.24	0.00
13,800.0	90.00	180.62	10,800.0	7,196.5	-3,199.6	-922.3	801,910.57	451,763.90	3,286.94	0.00
13,850.0	90.00	180.62	10,800.0	7,196.5	-3,249.6	-922.8	801,910.04	451,713.90	3,336.64	0.00
13,900.0	90.00	180.62	10,800.0	7,196.5	-3,299.6	-923.4	801,909.50	451,663.90	3,386.34	0.00
13,950.0	90.00	180.62	10,800.0	7,196.5	-3,349.6	-923.9	801,908.96	451,613.91	3,436.05	0.00
14,000.0	90.00	180.62	10,800.0	7,196.5	-3,399.6	-924.5	801,908.42	451,563.91	3,485.75	0.00
14,050.0	90.00	180.62	10,800.0	7,196.5	-3,449.6	-925.0	801,907.89	451,513.91	3,535.45	0.00
14,100.0	90.00	180.62	10,800.0	7,196.5	-3,499.6	-925.5	801,907.35	451,463.91	3,585.15	0.00
14,150.0	90.00	180.62	10,800.0	7,196.5	-3,549.6	-926.1	801,906.81	451,413.92	3,634.86	0.00
14,200.0	90.00	180.62	10,800.0	7,196.5	-3,599.6	-926.6	801,906.27	451,363.92	3,684.56	0.00

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COMPASS 5000.1 Build 56

KAREF PRANCES OR COMPANY

Morcor Engineering Morcor Standard Plan

Company:	Kaiser Francis	Local Co-ordinate Reference:	Well Bell Lake South Unit 216H
Project:	Bell Lake South Unit 216H	TVD Reference:	WELL @ 3603.5usft (Original Well Elev)
Site:	Bell Lake South Unit 216H	MD Reference:	WELL @ 3603.5usft (Original Well Elev)
Well:	Bell Lake South Unit 216H	North Reference:	Grid
Wellbore:	Bell Lake South Unit 216H	Survey Calculation Method:	Minimum Curvature
Design:	190319 Bell Lake South Unit 216H	Database:	EDM 5000.1 Single User Db

Planned Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	Easting (usft)	Northing (usft)	V. Sec (usft)	DLeg (°/100usft)
14,250.0	90.00	180.62	10,800.0	7,196.5	-3,649.6	-927.2	801,905.73	451,313.92	3,734.26	0.0
14,300.0	90.00	180.62	10,800.0	7,196.5	-3,699.5	-927.7	801,905.20	451,263.93	3,783.96	0.0
14,350.0	90.00	180.62	10,800.0	7,196.5	-3,749.5	-928.2	801,904.66	451,213.93	3,833.67	0.0
14,400.0	90.00	180.62	10,800.0	7,196.5	-3,799.5	-928.8	801,904.12	451,163.93	3,883.37	0.0
14,450.0	90.00	180.62	10,800.0	7,196.5	-3,849.5	-929.3	801,903.58	451,113.93	3,933.07	0.0
14,500.0	90.00	180.62	10,800.0	7,196.5	-3,899.5	-929.8	801,903.05	451,063.94	3,982.77	0.0
14,550.0	90.00	180.62	10,800.0	7,196.5	-3,949.5	-930.4	801,902.51	451,013.94	4,032.48	0.0
14,600.0	90.00	180.62	10,800.0	7,196.5	-3,999.5	-930.9	801,901.97	450,963.94	4,082.18	0.0
14,650.0	90.00	180.62	10,800.0	7,196.5	-4,049.5	-931.5	801,901.44	450,913.95	4,131.88	0.0
14,700.0	90.00	180.62	10,800.0	7,196.5	-4,099.5	-932.0	801,900.90	450,863.95	4,181.58	0.0
14,750.0	90.00	180.62	10,800.0	7,196.5	-4,149.5	-932.5	801,900.36	450,813.95	4,231.28	0.0
14,800.0	90.00	180.62	10,800.0	7,196.5	-4,199.5	-933.1	801,899.83	450,763.96	4,280.99	0.
14,850.0	90.00	180.62	10,800.0	7,196.5	-4,249.5	-933.6	801,899.29	450,713.96	4,330.69	0.0
14,900.0	90.00	180.62	10,800.0	7,196.5	-4,299.5	-934.1	801,898.75	450,663.96	4,380.39	0.0
14,950.0	90.00	180.62	10,800.0	7,196.5	-4,349.5	-934.7	801,898.21	450,613.96	4,430.09	0.0
15,000.0	90.00	180.62	10,800.0	7,196.5	-4,399.5	-935.2	801,897.68	450,563.97	4,479.80	0.
15,050.0	90.00	180.61	10,800.0	7,196.5	-4,449.5	-935.7	801,897.14	450,513.97	4,529.50	0.0
15,100.0	90.00	180.61	10,800.0	7,196.5	-4,499.5	-936.3	801,896.60	450,463.97	4,579.20	0.0
15,150.0	90.00	180.61	10,800.0	7,196.5	-4,549.5	-936.8	801,896.07	450,413.98	4,628.90	0.0
15,200.0	90.00	180.61	10,800.0	7,196.5	-4,599.5	-937.4	801,895.53	450,363.98	4,678.60	0.0
15,250.0	90.00	180.61	10,800.0	7,196.5	-4,649.5	-937.9	801,895.00	450,313.98	4,728.31	0.0
15,300.0	90.00	180.61	10,800.0	7,196.5	-4,699.5	-938.4	801,894.46	450,263.98	4,778.01	0.
15,350.0	90.00	180.61	10,800.0	7,196.5	-4,749.5	-939.0	801,893.92	450,213.99	4,827.71	0.0
15,400.0	90.00	180.61	10,800.0	7,196.5	-4,799.5	-939.5	801,893.39	450,163.99	4,877.41	0.
15,450.0	90.00	180.61	10,800.0	7,196.5	-4,849.5	-940.0	801,892.85	450,113.99	4,927.12	0.0
15,500.0	90.00	180.61	10,800.0	7,196.5	-4,899.5	-940.6	801,892.31	450,064.00	4,976.82	0.
15,550.0	90.00	180.61	10,800.0	7,196.5	-4,949.5	-941.1	801,891.78	450,014.00	5,026.52	0.0

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COMPASS 5000.1 Build 56

KASSE PRANCE OF COMPANY

Morcor Engineering Morcor Standard Plan

Company:	Kaiser Francis	Local Co-ordinate Reference:	Well Bell Lake South Unit 216H
Project:	Bell Lake South Unit 216H	TVD Reference:	WELL @ 3603.5usft (Original Well Elev)
Site:	Bell Lake South Unit 216H	MD Reference:	WELL @ 3603.5usft (Original Well Elev)
Well:	Bell Lake South Unit 216H	North Reference:	Grid
Wellbore:	Bell Lake South Unit 216H	Survey Calculation Method:	Minimum Curvature
Design:	190319 Bell Lake South Unit 216H	Database:	EDM 5000.1 Single User Db

Planned Survey

MD (usft)	lnc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	Easting (usft)	Northing (usft)	V. Sec (usft)	DLeg (°/100usft)
15,600.0	90.00	180.61	10,800.0	7,196.5	-4,999.5	-941.6	801,891.24	449,964.00	5,076.22	0.00
15,650.0	90.00	180.61	10,800.0	7,196.5	-5,049.5	-942.2	801,890.71	449,914.00	5,125.92	0.00
15,700.0	90.00	180.61	10,800.0	7,196.5	-5,099.5	-942.7	801,890.17	449,864.01	5,175.63	0.00
15,750.0	90.00	180.61	10,800.0	7,196.5	-5,149.5	-943.3	801,889.64	449,814.01	5,225.33	0.00
15,800.0	90.00	180.61	10,800.0	7,196.5	-5,199.5	-943.8	801,889.10	449,764.01	5,275.03	0.00
15,850.0	90.00	180.61	10,800.0	7,196.5	-5,249.5	-944.3	801,888.56	449,714.02	5,324.73	0.00
15,900.0	90.00	180.61	10,800.0	7,196.5	-5,299.5	-944.9	801,888.03	449,664.02	5,374.43	0.00
15,950.0	90.00	180.61	10,800.0	7,196.5	-5,349.5	-945.4	801,887.49	449,614.02	5,424.14	0.00
16,000.0	90.00	180.61	10,800.0	7,196.5	-5,399.5	-945.9	801,886.96	449,564.02	5,473.84	0.00
16,050.0	90.00	180.61	10,800.0	7,196.5	-5,449.4	-946.5	801,886.42	449,514.03	5,523.54	0.00
16,100.0	90.00	180.61	10,800.0	7,196.5	-5,499.4	-947.0	801,885.89	449,464.03	5,573.24	0.00
16,150.0	90.00	180.61	10,800.0	7,196.5	-5,549.4	-947.5	801,885.35	449,414.03	5,622.95	0.00
16,200.0	90.00	180.61	10,800.0	7,196.5	-5,599.4	-948.1	801,884.82	449,364.04	5,672.65	0.00
16,250.0	90.00	180.61	10,800.0	7,196.5	-5,649.4	-948.6	801,884.28	449,314.04	5,722.35	0.00
16,300.0	90.00	180.61	10,800.0	7,196.5	-5,699.4	-949.1	801,883.75	449,264.04	5,772.05	0.00
16,350.0	90.00	180.61	10,800.0	7,196.5	-5,749.4	-949.7	801,883.21	449,214.04	5,821.75	0.00
16,400.0	90.00	180.61	10,800.0	7,196.5	-5,799.4	-950.2	801,882.68	449,164.05	5,871.46	0.00
16,450.0	90.00	180.61	10,800.0	7,196.5	-5,849.4	-950.7	801,882.14	449,114.05	5,921.16	0.00
16,500.0	90.00	180.61	10,800.0	7,196.5	-5,899.4	-951.3	801,881.61	449,064.05	5,970.86	0.00
16,550.0	90.00	180.61	10,800.0	7,196.5	-5,949.4	-951.8	801,881.07	449,014.06	6,020.56	0.00
16,600.0	90.00	180.61	10,800.0	7,196.5	-5,999.4	-952.4	801,880.54	448,964.06	6,070.26	0.00
16,650.0	90.00	180.61	10,800.0	7,196.5	-6,049.4	-952.9	801,880.00	448,914.06	6,119.97	0.00
16,700.0	90.00	180.61	10,800.0	7,196.5	-6,099.4	-953.4	801,879.47	448,864.06	6,169.67	0.00
16,750.0	90.00	180.61	10,800.0	7,196.5	-6,149.4	-954.0	801,878.93	448,814.07	6,219.37	0.00
16,800.0	90.00	180.61	10,800.0	7,196.5	-6,199.4	-954.5	801,878.40	448,764.07	6,269.07	0.00
16,850.0	90.00	180.61	10,800.0	7,196.5	-6,249.4	-955.0	801,877.86	448,714.07	6,318.77	0.00
16,900.0	90.00	180.61	10,800.0	7,196.5	-6,299.4	-955.6	801,877.33	448,664.08	6,368.48	0.00

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COMPASS 5000.1 Build 56

KAESEL PRANCES OF COMPANY

Morcor Engineering Morcor Standard Plan

Kaiser Francis	Local Co-ordinate Reference:	Well Bell Lake South Unit 216H
Bell Lake South Unit 216H	TVD Reference:	WELL @ 3603.5usft (Original Well Elev)
Bell Lake South Unit 216H	MD Reference:	WELL @ 3603.5usft (Original Well Elev)
Bell Lake South Unit 216H	North Reference:	Grid
Bell Lake South Unit 216H	Survey Calculation Method:	Minimum Curvature
190319 Bell Lake South Unit 216H	Database:	EDM 5000.1 Single User Db
	Bell Lake South Unit 216H Bell Lake South Unit 216H Bell Lake South Unit 216H Bell Lake South Unit 216H	Bell Lake South Unit 216H TVD Reference: Bell Lake South Unit 216H MD Reference: Bell Lake South Unit 216H North Reference: Bell Lake South Unit 216H Survey Calculation Method:

Planned Survey

MD (usft)	lnc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	Easting (usft)	Northing (usft)	V. Sec (usft)	DLeg (°/100usft)
16,950.0	90.00	180.61	10,800.0	7,196.5	-6,349.4	-956.1	801,876.79	448,614.08	6,418.18	0.00
17,000.0	90.00	180.61	10,800.0	7,196.5	-6,399.4	-956.6	801,876.26	448,564.08	6,467.88	0.00
17,050.0	90.00	180.61	10,800.0	7,196.5	-6,449.4	-957.2	801,875.73	448,514.08	6,517.58	0.00
17,100.0	90.00	180.61	10,800.0	7,196.5	-6,499.4	-957.7	801,875.19	448,464.09	6,567.28	0.00
17,150.0	90.00	180.61	10,800.0	7,196.5	-6,549.4	-958.2	801,874.66	448,414.09	6,616.99	0.00
17,200.0	90.00	180.61	10,800.0	7,196.5	-6,599.4	-958.8	801,874.12	448,364.09	6,666.69	0.00
17,250.0	90.00	180.61	10,800.0	7,196.5	-6,649.4	-959.3	801,873.59	448,314.10	6,716.39	0.00
17,300.0	90.00	180.61	10,800.0	7,196.5	-6,699.4	-959.8	801,873.05	448,264.10	6,766.09	0.00
17,350.0	90.00	180.61	10,800.0	7,196.5	-6,749.4	-960.4	801,872.52	448,214.10	6,815.79	0.00
17,400.0	90.00	180.61	10,800.0	7,196.5	-6,799.4	-960.9	801,871.99	448,164.10	6,865.50	0.00
17,450.0	90.00	180.61	10,800.0	7,196.5	-6,849.4	-961.4	801,871.45	448,114.11	6,915.20	0.00
17,500.0	90.00	180.61	10,800.0	7,196.5	-6,899.4	-962.0	801,870.92	448,064.11	6,964.90	0.00
17,550.0	90.00	180.61	10,800.0	7,196.5	-6,949.4	-962.5	801,870.39	448,014.11	7,014.60	0.00
17,600.0	90.00	180.61	10,800.0	7,196.5	-6,999.4	-963.0	801,869.85	447,964.12	7,064.30	0.00
17,650.0	90.00	180.61	10,800.0	7,196.5	-7,049.4	-963.6	801,869.32	447,914.12	7,114.01	0.00
17,700.0	90.00	180.61	10,800.0	7,196.5	-7,099.4	-964.1	801,868.78	447,864.12	7,163.71	0.00
17,750.0	90.00	180.61	10,800.0	7,196.5	-7,149.4	-964.6	801,868.25	447,814.12	7,213.41	0.00
17,800.0	90.00	180.61	10,800.0	7,196.5	-7,199.3	-965.2	801,867.72	447,764.13	7,263.11	0.00
17,850.0	90.00	180.61	10,800.0	7,196.5	-7,249.3	-965.7	801,867.18	447,714.13	7,312.81	0.00
17,900.0	90.00	180.61	10,800.0	7,196.5	-7,299.3	-966.2	801,866.65	447,664.13	7,362.51	0.00
17,950.0	90.00	180.61	10,800.0	7,196.5	-7,349.3	-966.8	801,866.12	447,614.14	7,412.22	0.00
18,000.0	90.00	180.61	10,800.0	7,196.5	-7,399.3	-967.3	801,865.59	447,564.14	7,461.92	0.00
18,050.0	90.00	180.61	10,800.0	7,196.5	-7,449.3	-967.8	801,865.05	447,514.14	7,511.62	0.00
18,100.0	90.00	180.61	10,800.0	7,196.5	-7,499.3	-968.4	801,864.52	447,464.14	7,561.32	0.00
18,150.0	90.00	180.61	10,800.0	7,196.5	-7,549.3	-968.9	801,863.99	447,414.15	7,611.02	0.00
18,200.0	90.00	180.61	10,800.0	7,196.5	-7,599.3	-969.4	801,863.45	447,364.15	7,660.73	0.00
18,250.0	90.00	180.61	10,800.0	7,196.5	-7,649.3	-970.0	801,862.92	447,314.15	7,710.43	0.00

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COMPASS 5000.1 Build 56

KASSER-PRANCES OF COMPANY

Morcor Engineering Morcor Standard Plan

Company:	Kaiser Francis	Local Co-ordinate Reference:	Well Bell Lake South Unit 216H
Project:	Bell Lake South Unit 216H	TVD Reference:	WELL @ 3603.5usft (Original Well Elev)
Site:	Bell Lake South Unit 216H	MD Reference:	WELL @ 3603.5usft (Original Well Elev)
Well:	Bell Lake South Unit 216H	North Reference:	Grid
Wellbore:	Bell Lake South Unit 216H	Survey Calculation Method:	Minimum Curvature
Design:	190319 Bell Lake South Unit 216H	Database:	EDM 5000.1 Single User Db

Planned Survey

•										
MD	Inc	Azi (azimuth)	TVD	TVDSS	N/S	E/W	Easting	Northing	V. Sec	DLeg
(usft)	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(°/100usft)
18,300.0	90.00	180.61	10,800.0	7,196.5	-7,699.3	-970.5	801,862.39	447,264.16	7,760.13	0.00
18,350.0	90.00	180.61	10,800.0	7,196.5	-7,749.3	-971.0	801,861.85	447,214.16	7,809.83	0.00
18,400.0	90.00	180.61	10,800.0	7,196.5	-7,799.3	-971.6	801,861.32	447,164.16	7,859.53	0.00
18,450.0	90.00	180.61	10,800.0	7,196.5	-7,849.3	-972.1	801,860.79	447,114.16	7,909.24	0.00
18,500.0	90.00	180.61	10,800.0	7,196.5	-7,899.3	-972.6	801,860.26	447,064.17	7,958.94	0.00
18,550.0	90.00	180.61	10,800.0	7,196.5	-7,949.3	-973.2	801,859.72	447,014.17	8,008.64	0.00
18,600.0	90.00	180.61	10,800.0	7,196.5	-7,999.3	-973.7	801,859.19	446,964.17	8,058.34	0.00
18,650.0	90.00	180.61	10,800.0	7,196.5	-8,049.3	-974.2	801,858.66	446,914.18	8,108.04	0.00
18,689.0	90.00	180.61	10,800.0	7,196.5	-8,088.3	-974.6	801,858.24	446,875.18	8,146.81	0.00
TD at 18689.0 - !	5 1/2" Production	n Casing								

TD at 18689.0 - 5 1/2 Production Casing

Casing Points Casing Diameter Measured Vertical Hole Depth (usft) Depth Diameter (usft) (") (") Name 120.0 20" Conductor 20 26 120.0 17-1/2 1.455.0 1,455.0 13 3/8" Surface Casing 13-3/8 5,373.5 5,353.0 9 5/8" Intermediate Casing 9-5/8 12-1/4 18,689.0 10,800.0 5 1/2" Production Casing 5-1/2 8-3/4

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COMPASS 5000.1 Build 56

EASSE-FEATES OF COMPANY

Morcor Engineering Morcor Standard Plan

Company:	Kaiser Francis	Local Co-ordinate Reference:	Well Bell Lake South Unit 216H
Project:	Bell Lake South Unit 216H	TVD Reference:	WELL @ 3603.5usft (Original Well Elev)
Site:	Bell Lake South Unit 216H	MD Reference:	WELL @ 3603.5usft (Original Well Elev)
Well:	Bell Lake South Unit 216H	North Reference:	Grid
Wellbore:	Bell Lake South Unit 216H	Survey Calculation Method:	Minimum Curvature
Design:	190319 Bell Lake South Unit 216H	Database:	EDM 5000.1 Single User Db

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
5,328.2	5,308.0	Lamar		0.00		
7,771.6	7,738.0	Brushy Canyon		0.00		
9,078.8	9,038.0	Avalon		0.00		
8,917.9	8,878.0	Bone Spring		0.00		
1,809.0	1,808.0	Salado		0.00		
10,054.1	10,008.0	1st Bone Spring		0.00		
5,076.9	5,058.0	Base of Salt		0.00		
6,333.7	6,308.0	Cherry Canyon		0.00		
2,160.9	2,158.0	Top of Salt		0.00		
1,430.0	1,430.0	Rustler		0.00		
5,479.1	5,458.0	Bell Canyon		0.00		
10,676.7	10,598.0	2nd Bone Spring		0.00		

Plan Annotations

N	easured	Vertical	Local Coor	dinates		
	Depth (usft)	Depth (usft)	+N/-S (usft)	+E/-W (usft)	Comment	
	1,500.0	1,500.0	0.0	0.0	Start Build 3.00	
	1,700.0	1,699.6	0.0	-10.5	Start 8300.0 hold at 1700.0 MD	
	10,000.0	9,954.2	0.0	-878.0	Start Drop -3.00	
	10,200.0	10,153.8	0.0	-888.5	Start 73.2 hold at 10200.0 MD	
	10,273.2	10,227.0	0.0	-888.5	Start Build 10.00	
	10,676.7	10,598.0	-136.3	-889.8	Point of Penetration	
	11,094.0	10,794.5	-494.0	-893.3	First Take Point	
	11,173.2	10,800.0	-572.9	-894.0	Start Turn 0.09	
	11,250.0	10,800.0	-649.7	-894.8	Start Turn 0.00	
	18,689.0	10,800.0	-8,088.3	-974.6	TD at 18689.0	
	,	,500.0	2,000.0			
ked By:				/	Approved By:	Date:

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COMPASS 5000.1 Build 56

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

WELL LOCATION AND A ODEA OF DEDICATION DI AT

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

AMENDED REPORT

		1W	ELL LU	CATIO	N AND ACK	EAGE DEDIC	LATION PL	AI	-	
1	API Number	r		² Pool Code	^J Pool Name					
30-025-	48257	7 .]		98264	54 Bell Lake; Bone Spring, South					
⁴ Property (Code				⁵ Property	Name			⁶ Well Number	
316706				BI	ELL LAKE UI	NIT SOUTH			216H	
'OGRID	No.				" Operator	Name			" Elevation	
12361				KA	ISER-FRANC	R-FRANCIS OIL CO.				
					Surface	e Location				
UL or lot no.	Section	Township	Range	Lot Idn	Fcet from the	North/South line	Feet from the	East/West line	e County	
Н	5	24 S	34 E		2162	NORTH	1237	EAST	LEA	
			• " B	ottom Ho	ole Location	If Different Fr	om Surface		11-11-	
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	e County	
0	8	24 S	34 E		330	SOUTH	2290	EAST	LEA	
¹² Dedicated Acre	s ¹³ Joint	or Infill ¹⁴ (Consolidation	n Code			¹⁵ Order No.			
480							R-14600			

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

NW CORNER SEC. 5 NB/33'36'E 2640.66 FT NB852'07'E 2622.56 FT NE CORNER SEC. 5 LAT. = 32.2533360N L L LAT. = 32.2538352N L L LAT. = 32.2538350N L L LAT. = 32.2538350N L L LONG. = 103.4835560'W L LONG. = 103.4835560'W L LONG. = 103.4835560'W L NMSP EAST (FT) N MSP EAST (FT) N	"OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and helief, 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
W/4 CORNER SEC. 5 ELL LAKE UMIT SOUTH 216H W/4 CORNER SEC. 5 ELEV. = 3581,5' LAT. = 32.2465023N ELEV. = 3581,5' LONG. = 103.5005464'W ILONG. = 103.4894965(1) NMSP EAST (FT) N = 454445.73 E = 798802.12 E = 802832.30	voluntary pooling agreement or a computsury pooling order heretofore entered by the division. Stormi Davis <u>5/8/19</u> Signature Date
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Stormi Davis Printed Name ssdavis104@gmail.com E-mail Address
Lat. 103.974 CORNER SEC B LAT. = 32.2392.97N B toxics. VNMSP EAST (FT. N N < 451009.31	*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
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	best of my belief. DECEMBER 19. 2018 NF JARA
SW CORNER SEC. 8 S/4 CORNER SEC. SE CORNER SEC. 8 LAT. = 32.2248308'N LAT. = 32.2248282' LAT. = 32.2247748'N LONG. = 103.5004938'N LONG. = 103.491972'N BHL LONG. = 103.491972'N NuSP EAST (FT) N = 4465454.99 N = 446546.32 E = 8001515.08 E = 798879.78 S8934'29'N S8958'16'N 2636.19 FT	Signature and Seal of Professional Surveyor: Certificate Number: FILMON F. JARAMILLO, PLS 12797 SURVEY NO. 6771

<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 <u>District II</u> 811 S. First St., Artesia, NM 88210 <u>District III</u> 1000 Rio Brazos Road, Aztec, NM 87410 <u>District IV</u> 1220 S. St^{*}Francis Dr., Santa Fe, NM 87505

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Submit Original to Appropriate District Office

GAS CAPTURE PLAN

Date: 01/26/2018

🛛 Original -

Operator & OGRID No.: Kaiser-Francis Oil Company, 12361

Amended - Reason for Amendment:_

This Gas Capture Plan outlines actions to be taken by the Operator to reduce well/production facility flaring/venting for new completion (new drill, recomplete to new zone, re-frac) activity.

Note: Form C-129 must be submitted and approved prior to exceeding 60 days allowed by Rule (Subsection A of 19.15.18.12 NMAC).

Well(s)/Production Facility - Name of facility

Well Name API Well Location Footages Expected Flared or Comments (ULSTR) MCF/D Vented Bell Lake Unit South 216H 5-24S-34E 2000 0 30-025-48257 Bell Lake Unit South 217H 5-24S-34E 0 2000 Bell Lake Unit South 316H 5-24S-34E 0 2000 Bell Lake Unit South 317H 0 5-24S-34E 2000 Bell Lake Unit South 416H 0 5-24S-34E 2000 Bell Lake Unit South 417H 5-24S-34E 2000 0

The well(s) that will be located at the production facility are shown in the table below.

Gathering System and Pipeline Notification

Well(s) will be connected to a production facility after flowback operations are complete, if gas transporter system is in place. The gas produced from production facility is dedicated to <u>Targa</u> and will be connected to <u>Targa</u> low/high pressure gathering system located in <u>Lea</u> County, New Mexico. It will require <u>11,000'</u> of pipeline to connect the facility to low/high pressure gathering system. <u>Kaiser-Francis Oil Company</u> provides (periodically) to <u>Targa</u> a drilling, completion and estimated first production date for wells that are scheduled to be drilled in the foreseeable future. In addition, <u>Kaiser-Francis Oil Company</u> and <u>Targa</u> have periodic conference calls to discuss changes to drilling and completion schedules. Gas from these wells will be processed at <u>Targa</u> Processing Plant located in Sec. <u>36</u>, Twn. <u>19S</u>, Rng. <u>36E</u>, <u>Lea</u> <u>County</u>, New Mexico. The actual flow of the gas will be based on compression operating parameters and gathering system pressures.

Flowback Strategy

After the fracture treatment/completion operations, well(s) will be produced to temporary production tanks and gas will be flared or vented. During flowback, the fluids and sand content will be monitored. When the produced fluids contain minimal sand, the wells will be turned to production facilities. Gas sales should start as soon as the wells start flowing through the production facilities, unless there are operational issues on <u>Targa</u> system at that time. Based on current information, it is <u>Kaiser-Francis Oil Company's</u> belief the system can take this gas upon completion of the well(s).

Safety requirements during cleanout operations from the use of underbalanced air cleanout systems may necessitate that sand and non-pipeline quality gas be vented and/or flared rather than sold on a temporary basis.

Alternatives to Reduce Flaring

Below are alternatives considered from a conceptual standpoint to reduce the amount of gas flared.

- Power Generation On lease
 - Only a portion of gas is consumed operating the generator, remainder of gas will be flared
- Compressed Natural Gas On lease
 - Gas flared would be minimal, but might be uneconomical to operate when gas volume declines
- NGL Removal On lease
 - o Plants are expensive, residue gas is still flared, and uneconomical to operate when gas volume declines

Operator Name: KAISER FRANCIS OIL COMPANY

Well Name: BELL LAKE UNIT SOUTH

Well Number: 216H

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Pressure Rating (PSI): 5M

Rating Depth: 18000

Equipment: A 10M system will be installed according to Onshore Order #2 consisting of an Annular Preventer, BOP with two rams and a blind ram. BOP will be equipped with 2 side outlets (choke side shall be a minimum 3" line, and kill side will be a minimum 2" line). Kill line will be installed with (2) valves and a check valve (2" min) of proper pressure rating for the system. Remote kill line (2' min) will be installed and ran to the outer edge of the substructure and be unobstructed. A manual and hydraulic valve (3" min) will be installed on the choke line, 3 chokes will be used with one being remotely controlled. Fill up line will be installed above the uppermost preventer. Pressure gauge of proper pressure rating will be installed on choke manifold. Upper and lower kelly cocks will be utilized with handles readily available in plain sight. A float sub will be available at all times. All connections subject to well pressure will be flanged, welded, or clamped. **Requesting Variance?** YES

Variance request: Flex Hose Variance

Testing Procedure: BOP/BOPE will be tested by an independent service company to 250 psi low and the high pressure indicated above per Onshore Order 2 requirements. The System may be upgraded to a higher pressure but still tested to the working pressure listed in the table above. If the system is upgraded all of the components installed will be functional and tested.

Choke Diagram Attachment:

BLUS_216H_Choke_Manifold_20190508100733.pdf

BOP Diagram Attachment:

BLUS_216H_Cactus_10K_BOP_5K_20190508100834.pdf

Cactus_Flex_Hose_16C_Certification_20200102122522.pdf

BLUS_216H__Wellhead_Diagram_20200102122828.pdf

		Se	ction	13-	Cas	ing																
Casing ID	String Type	Hole Size	Csg Size	Condition	Standard	Tapered String	Top Set MD	Bottom Set MD	Top Set TVD	Bottom Set TVD	Top Set MSL	Bottom Set MSL	Calculated casing length MD	Grade	Weight	Joint Type	Collapse SF	Burst SF	Joint SF Type	Joint SF	Body SF Type	Body SF
1	SURFACE	17.5	13.375	NEW	API	N	0	1350	0	1350			1350	J-55	54.5	BUTT	1.8	4.3	DRY	7	DRY	11.6
2	INTERMED IATE	12.2 5	9.625	NEW	API	N	0	5200	0	5200			5200	HCP -110	43.5	LT&C	1.8	3.6	DRY	5.7	DRY	6.1
3	PRODUCTI ON	8.75	5.5	NEW	API	N	0	18689	0	10800			18689	P- 110	20	OTHER - GBCD	2.2	2.5	DRY	2.5	DRY	3

Casing Attachments

Operator Name: KAISER FRANCIS OIL COMPANY

Well Name: BELL LAKE UNIT SOUTH

Well Number: 216H

Casing Attachments

Casing ID: 1 String Type: SURFACE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

BLUS_216H_Casing_Assumptions_20190508101946.pdf

Casing ID: 2 String Type: INTERMEDIATE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

BLUS_216H_Casing_Assumptions_20190508102005.pdf

Casing ID: 3 String Type: PRODUCTION

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

5_1_2_P110_GBCD_20190501101524.PDF

BLUS_216H_Casing_Assumptions_20190508102023.pdf

Section 4 - Cement

Well Name: BELL LAKE UNIT SOUTH

Well Number: 216H

String Type	Lead/Tail	Stage Tool Depth	Top MD	Bottom MD	Quantity(sx)	Yield	Density	Cu Ft	Excess%	Cement type	Additives
SURFACE -	Lead		0	1350	730	1.75	13.5	1275	75	Halcem	4% Bentonite

INTERMEDIATE	Lead	0	5200	1000	2.09	12.5	2089	75	Econocem	KolSeal
INTERMEDIATE	Tail	0	5200	380	1.33	14.8	506	75	Halcem	none
PRODUCTION	Lead	4000	1868 9	387	3.37	10.5	1303	10	Class H	KolSeal
PRODUCTION	Tail	4000	1868 9	2272	1.22	14.5	2779	10	Class H	none

Section 5 - Circulating Medium

Mud System Type: Closed

Will an air or gas system be Used? NO

Description of the equipment for the circulating system in accordance with Onshore Order #2:

Diagram of the equipment for the circulating system in accordance with Onshore Order #2:

Describe what will be on location to control well or mitigate other conditions: Sufficient mud materials to maintain mudproperties and meet minimum lost circulation and weight increase requirements will be kept on location at all times

Describe the mud monitoring system utilized: PVT/Pason/Visual Monitoring

alman miti unipos ang ang mana mini da	Circ	ulating Mediu	ım Ta	able							
Top Depth	Bottom Depth	Mud Type	Min Weight (Ibs/gal)	Max Weight (Ibs/gal)	Density (Ibs/cu ft)	Gel Strength (lbs/100 sqft)	Hd	Viscosity (CP)	Salinity (ppm)	Filtration (cc)	Additional Characteristics
5200	1080 0	OTHER : Cut Brine	8.7	8.9							
1350	5200	OIL-BASED MUD	8.7	8.9				*			
0	1350	OTHER : Fresh Water	8.4	9							

14

5

	8		
	KAISER-FRANCIS OIL COMPANY	P.O. BOX 21468	TULSA, OKLAHOMA 74121-1468
Registance interpretation of material data			6733 South Yale Avenue, 74136 (918) 494-0000

Date: 12/15/2020

To: NMOCD

From: Charlotte Van Valkenburg

Re: Closed-Loop System

It is the intention of Kaiser-Francis Oil Company to use a closed-loop system during drilling of the following well:

Bell Lake Unit South 216H SHL Sec. 5-24S-34E 2162' FNL & 1237' FEL Lea Co., NM

CVI

Charlotte Van Valkenburg Mgr., Regulatory Compliance Kaiser-Francis Oil Company

CONDITIONS

Action 12294

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

Bit 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 OF APPROVAL

Operator:		OGRID:	Action Number:	Action Type:					
	KAISER-FRANCIS OIL CO P.O. Box 21468 Tulsa, OK74121	12361	12294	FORM 3160-3					
OCD	Condition								
Reviewer									
pkautz	Notify OCD 24 hours prior to casing &cement								
pkautz	Will require a File As Drilled C-102 and a Directional Survey with the C-104								
pkautz	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string								