1b. Type of Well: ✓ Oil Well Gas Well Other 1c. Type of Completion: Hydraulic Fracturing ✓ Single 2. Name of Operator KAISER FRANCIS OIL COMPANY [12361] 3a. Address 3b	EMENT	Multiple Zone	e)		o. 1004-0 nuary 31 or Tribe eement, 7 IM06829 Well No. SOUTH 31670 0-025 - or Explor	 D137 , 2018 Name Name and No. 92X 6] -48261 ratory [98266]
6733 S. Yale Ave. Tulsa OK 74121 (9 4. Location of Well (Report location clearly and in accordance with	,			11. Sec., T. R. M. or		-
4. Elocation of wen (<i>Report Tocation clearly and in accordance with</i> At surface NESW / 1712 FSL / 1945 FWL / LAT 32.24401				SEC 5 / T24S / R34		
At proposed prod. zone NWNW / 330 FNL / 1230 FWL / LA			4966184			
14. Distance in miles and direction from nearest town or post office* 19 miles				12. County or Parish LEA	1	13. State NM
location to nearest 1712 feet property or lease line, ft. (Also to nearest drig. unit line, if any)		res in lease	480	ng Unit dedicated to th /BIA Bond No. in file	is well	
		/ 20452 feet		/B000055		
3596 feet 07	7/01/2019		start*	23. Estimated duration40 days	on	
	24. Attac					
 The following, completed in accordance with the requirements of Or (as applicable) 1. Well plat certified by a registered surveyor. 2. A Drilling Plan. 3. A Surface Use Plan (if the location is on National Forest System L SUPO must be filed with the appropriate Forest Service Office). 		 Bond to cover th Item 20 above). Operator certific 	e operation ation.	lydraulic Fracturing ru is unless covered by an mation and/or plans as	n existing	g bond on file (see
	N	BLM.			Data	
25. Signature (Electronic Submission)	Name	(Printed/Typed)			Date 04/17/2	2019
Title						
Approved by (Signature) (Electronic Submission)	Cody	(Printed/Typed) Layton / Ph: (575)2	234-5959		Date 12/04/2	2020
Title Assistant Field Manager Lands & Minerals Application approval does not warrant or certify that the applicant he applicant to conduct operations thereon. Conditions of approval, if any, are attached.	Office CARL olds legal c	SBAD	ose rights	in the subject lease wh	ich wou	ld entitle the
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make of the United States any false, fictitious or fraudulent statements or re-					ny depar	tment or agency
GCP Rec 12/17/2020					,	
SL	ED WI	TH CONDIT	IONS	12	29/2	5 020
(Continued on page 2)		12/04/2020		*(Ins	structio	ons on page 2)

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: NESW / 1712 FSL / 1945 FWL / TWSP: 24S / RANGE: 34E / SECTION: 5 / LAT: 32.244016 / LONG: -103.4942489 (TVD: 0 feet, MD: 0 feet) PPP: SENW / 2600 FNL / 1360 FWL / TWSP: 24S / RANGE: 34E / SECTION: 5 / LAT: 32.2464662 / LONG: -103.4961482 (TVD: 12158 feet, MD: 12850 feet) PPP: SESW / 0 FNL / 1360 FWL / TWSP: 23S / RANGE: 34E / SECTION: 32 / LAT: 32.2536952 / LONG: -103.4963041 (TVD: 12158 feet, MD: 15450 feet) PPP: NENW / 1320 FNL / 1360 FWL / TWSP: 24S / RANGE: 34E / SECTION: 5 / LAT: 32.2501226 / LONG: -103.4962223 (TVD: 12158 feet, MD: 14130 feet) BHL: NWNW / 330 FNL / 1230 FWL / TWSP: 23S / RANGE: 34E / SECTION: 32 / LAT: 32.2674415 / LONG: -103.4966184 (TVD: 12158 feet, MD: 20452 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.

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VAFMSS

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

APD ID: 10400040422

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

Well Type: OIL WELL

Submission Date: 04/17/2019

Well Number: 432H Well Work Type: Drill Highlighted data reflects the most recent changes

Show Final Text

Section 1 - General

APD ID:	10400040422	Tie to previous NOS?	N Submission Date: 04/17/2019
BLM Office	: CARLSBAD	User: Stormi Davis	Title: Regulatory Analyst
Federal/Ind	ian APD: FED	Is the first lease penetr	ated for production Federal or Indian? FED
Lease num	ber: NMLC0061374A	Lease Acres: 440	
Surface acc	cess agreement in place?	Allotted?	Reservation:
Agreement	in place? YES	Federal or Indian agree	ment: FEDERAL
Agreement	number: NMNM068292X		
Agreement	name: BELL LAKE		
Keep applie	cation confidential? YES		
Permitting	Agent? NO	APD Operator: KAISER	FRANCIS OIL COMPANY
Operator le	tter of designation:		

Operator Info

Operator Organization Name: KAISER FRANCIS OIL COMPANY

State: OK

Operator Address: 6733 S. Yale Ave.

Operator PO Box: PO Box 21468

Operator City: Tulsa

Zip: 74121

Operator Phone: (918)491-0000

Operator Internet Address:

Section 2 - Well Information

Well in Master Development Plan? NO	Master Development Plan n	iame:
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: 432H	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: 432H

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 ²	? NO	New surface disturbance?
Type of Well	Pad: MULTIPLE WELL		Multiple Well Pad Nam		Number: 13
Well Class:	HORIZONTAL		SOUTH BELL LAKE UN Number of Legs: 1	IT	
Well Work T	ype: Drill				
Well Type: C	DIL WELL				
Describe We	ell Type:				
Well sub-Ty	pe: EXPLORATORY (WILD	CAT)			
Describe su	b-type:				
Distance to t	town: 19 Miles	Distance to ne	arest well: 30 FT	Distanc	ce to lease line: 1712 FT
Reservoir w	ell spacing assigned acres	Measurement:	480 Acres		
Well plat:	BLUS_432H_C102_201904	401065045.pdf			
	Pay.gov_receipt_20190417	7133424.pdf			
Well work st	art Date: 07/01/2019		Duration: 40 DAYS		

Section 3 - Well Location Table

Survey Type: RECTANGULAR

Describe Survey Type:

Datum: NAD83

Survey number: 6767

Vertical Datum: NAVD88

Reference Datum:

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?
SHL		FSL		FW	24S	34E		Aliquot	32.24401		LEA	NEW			NMLC0		0	0	
Leg	2		5	L				NESW	6	103.4942		MEXI			061374	6			
#1										489		co	co		A				
KOP	170	FSL	136	FW	24S	34E	5	Aliquot	32.24405	-	LEA	NEW	NEW	F	NMLC0	-	113	112	
Leg	2		7	L				NESW	62	103.4961		MEXI	MEXI		061374	767	00	70	
#1										192		со	со		A	4			

Well Name: BELL LAKE UNIT SOUTH

Well Number: 432H

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	132 0	FNL	136 0	FW L	24S	34E	5	Aliquot NENW	32.25012 26	- 103.4962 223	LEA	NEW MEXI CO	NEW MEXI CO	F	NMNM 000233 5B	- 856 2	141 30	121 58	
PPP Leg #1-2	0	FNL	136 0	FW L	23S	34E	32	Aliquot SESW	32.25369 52	- 103.4963 041	LEA	NEW MEXI CO	NEW MEXI CO	S	STATE	- 856 2	154 50	121 58	
PPP Leg #1-3	260 0	FNL	136 0	FW L	24S	34E	5	Aliquot SENW	32.24646 62	- 103.4961 482	LEA	NEW MEXI CO	NEW MEXI CO			- 856 2	128 50	121 58	
EXIT Leg #1	330	FNL	123 0	FW L	23S	34E	32	Aliquot NWN W	32.26744 15	- 103.4966 184	LEA	NEW MEXI CO	NEW MEXI CO	S	STATE	- 856 2	204 52	121 58	
BHL Leg #1	330	FNL	123 0	FW L	23S	34E	32	Aliquot NWN W	32.26744 15	- 103.4966 184	LEA	NEW MEXI CO	NEW MEXI CO	S	STATE	- 856 2	204 52	121 58	

District I

District II

District III

District IV

1625 N. French Dr., Hobbs, NM 88240

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

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

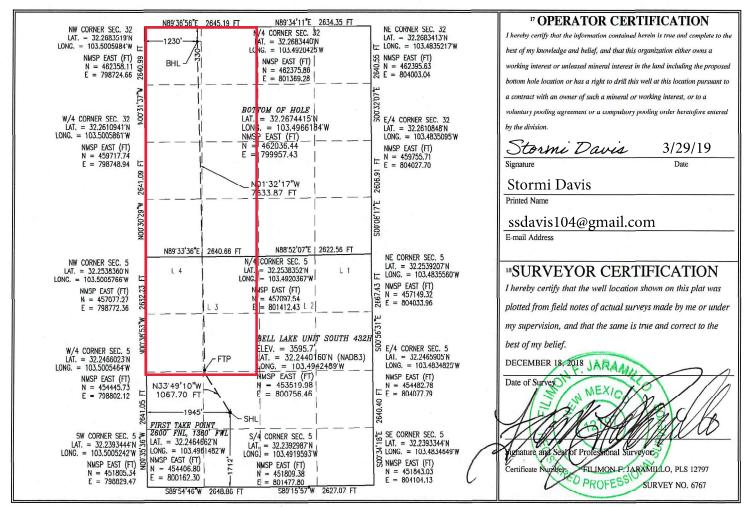
1000 Rio Brazos Road, Aztec, NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170

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

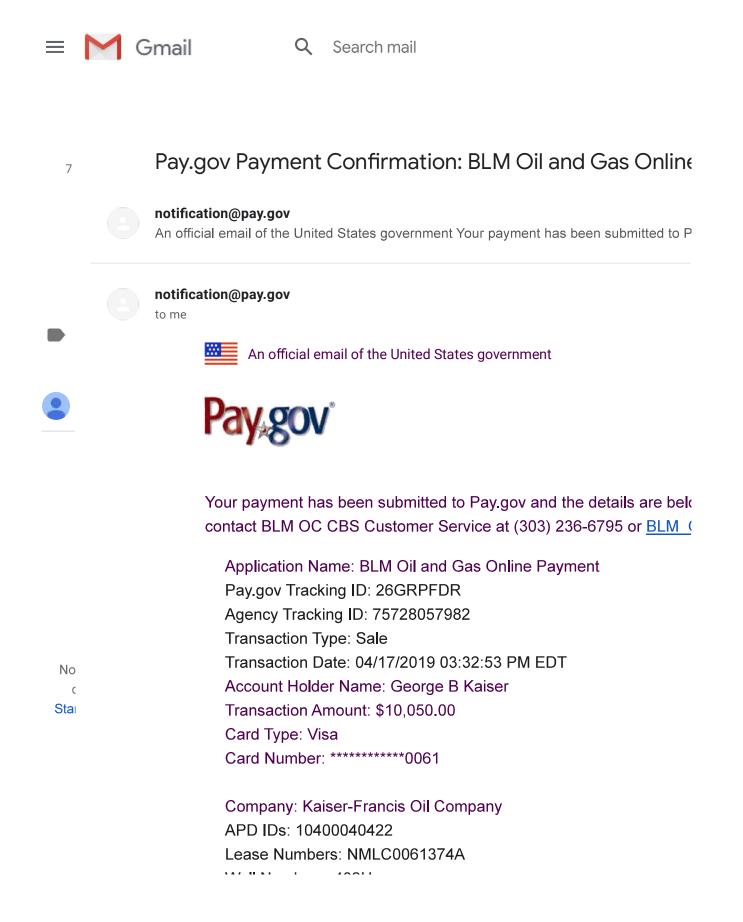
State of New Mexico	Form C-102
Energy, Minerals & Natural Resources Department	Revised August 1, 2011
OIL CONSERVATION DIVISION	Submit one copy to appropriate District Office
1220 South St. Francis Dr.	District Office
Santa Fe, NM 87505	AMENDED REPORT

		W	ELL LC	CATIO	N AND ACF	REAGE DEDI	CATION PL	AT	
¹ /	API Number	:		² Pool Code	e_		³ Pool Na	me	
30	-025-			98266		Bell	Lake; Wolfc	amp, Soutł	1
⁴ Property (Code	×		RI	⁵ Property ELL LAKE UI				⁶ Well Number 432H
⁷ OGRID N					⁸ Operator	Name			[°] Elevation
12361				KA	ISER-FRANC	CIS OIL CO.			3595.7
					¹⁰ Surface	Location			
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West lin	e County
K	5	24 S	34 E		1712	SOUTH	1945	WEST	LEA
			и B	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/West lin	e County
D	32	23 S	34 E		330	NORTH	1230	WEST	LEA
² Dedicated Acre	s ¹³ Joint	or Infill ¹⁴	Consolidation	1 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.



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FMSS

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

APD ID: 10400040422

Operator Name: KAISER FRANCIS OIL COMPANY

Well Name: BELL LAKE UNIT SOUTH

Well Type: OIL WELL

Well Number: 432H

Submission Date: 04/17/2019

Highlighted data reflects the most

recent changes

Show Final Text

Well Work Type: Drill

Section 1 - Geologic Formations

ormation			True Vertical	Measured			Producing
ID	Formation Name	Elevation	Depth	Depth	Lithologies	Mineral Resources	Formation
429538		3596	0	0	1 C .	NONE	N
429539	RUSTLER	2196	1400	1400	\sim	NONE	N
429540	SALADO	1796	1800	1800	<u> </u>	NONE	N
429541	TOP SALT	1471	2125	2125		NONE	N
429542	BASE OF SALT	-1504	5100	5100		NONE	N
429543	LAMAR	-1679	5275	5275		NATURAL GAS, OIL	N
429544	BELL CANYON	-1754	5350	5350		NATURAL GAS, OIL	N
429545	CHERRY CANYON	-2629	6225	6225		NATURAL GAS, OIL	N
429546	BRUSHY CANYON	-4104	7700	7700		NATURAL GAS, OIL	N
429547	BONE SPRING	-5204	8800	8800		NATURAL GAS, OIL	N
429548	AVALON SAND	-5377	8973	8973		NATURAL GAS, OIL	N
429549	BONE SPRING 1ST	-6304	9900	9900		NATURAL GAS, OIL	N
429550	BONE SPRING 2ND	-6889	10485	10485		NATURAL GAS, OIL	N
429551	BONE SPRING LIME	-7364	10960	10960		NATURAL GAS, OIL	N
429552	BONE SPRING 3RD	-7674	11270	11270		NATURAL GAS, OIL	N
429553	WOLFCAMP	-8139	11735	11735		NATURAL GAS, OIL	Y

Section 2 - Blowout Prevention



Well Name: BELL LAKE UNIT SOUTH

Well Number: 432H

Page 11 of 56

Pressure Rating (PSI): 10M

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_432H__Choke_Manifold_20200109083944.pdf

BOP Diagram Attachment:

BLUS_432H__BOP_20190403143703.pdf

Cactus_Flex_Hose_16C_Certification_20200109084118.pdf

Well_Control_Plan_20200109084127.pdf

BLUS_432H_Wellhead_Diagram_20200109084547.pdf

		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
	SURFACE	14.7 5	10.75	NEW	API	N	0	1350	0	1350			1350	J-55	40.5	ST&C	2.5	5	DRY	7.7	DRY	11.5
	2 INTERMED IATE	9.87 5	7.625	NEW	API	N	0	11376	0	11376			11376	HCP -110	29.7	LT&C	1.3	1.8	DRY	2.3	DRY	2.8
;	3 PRODUCT ON	6.75	5.5	NEW	API	N	0	20452	0	12158			20452	P- 110		OTHER - USS Eagle	1.7	1.9	DRY	2.6	DRY	3

Section 3 - Casing

Casing Attachments

Well Name: BELL LAKE UNIT SOUTH

Well Number: 432H

Casing Attachments

Casing ID:	1	String Type:SURFACE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

BLUS_432H_Casing_Assumptions_20190403144112.pdf

Casing ID: 2 String Type: INTERMEDIATE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

BLUS_432H_Casing_Assumptions_20190403144302.pdf

Casing ID: 3 String Type: PRODUCTION

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

5.5_x_20_P110_HP_USS_EAGLE_SFH_Performance_Sheet_20190403144439.pdf

BLUS_432H_Casing_Assumptions_20190403144440.pdf

Section 4 - Cement

Well Name: BELL LAKE UNIT SOUTH

Well Number: 432H

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	590	1.34	14.8	788	50	Premium C	Accelerator

INTERMEDIATE	Lead	0	1137 6	1037	2.45	12	2537	25	Class H	Extender
INTERMEDIATE	Tail	0	1137 6	391	1.34	14.8	522	25	Class H	Accelerator
PRODUCTION	Lead	1100 0	2045 2	500	1.91	13.2	954	15	Class H	Retarder

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)	Н	Viscosity (CP)	Salinity (ppm)	Filtration (cc)	Additional Characteristics
1137 6	1215 8	OIL-BASED MUD	10	12							
1350	1137 6	OTHER : Diesel Brine Emulsion	8.7	9							
0	1350	OTHER : Fresh Water	8.4	9							

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Operator Name: KAISER FRANCIS OIL COMPANY

Well Name: BELL LAKE UNIT SOUTH

Well Number: 432H

Section 6 - Test, Logging, Coring

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

Top of cement on production casing will be determined by calculation.

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

Coring operation description for the well:

None planned

Section 7 - Pressure

Anticipated Bottom Hole Pressure: 7586

Anticipated Surface Pressure: 4911.24

Anticipated Bottom Hole Temperature(F): 199

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_432H_H2S_Contingency_Plan_PAD_13_20190403151428.pdf

Section 8 - Other Information

Proposed horizontal/directional/multi-lateral plan submission:

BLUS_432H___Directional_Plan_20190403151447.pdf

Other proposed operations facets description:

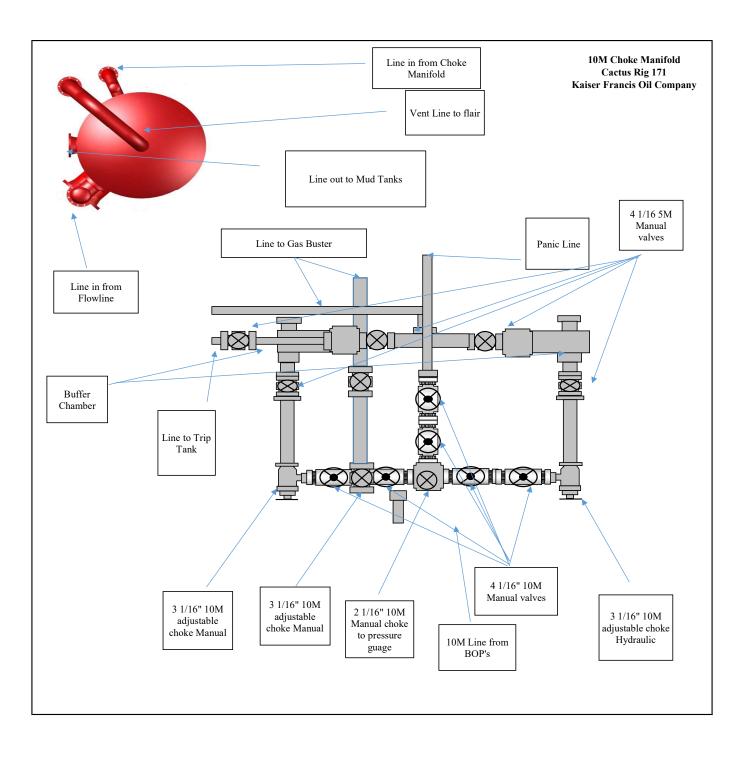
Gas Capture Plan attached

Other proposed operations facets attachment:

BLUS_Pad_13_Gas_Capture_Plan_20190403151630.pdf

Other Variance attachment:

 $Cactus_Flex_Hose_16C_Certification_20200109084931.pdf$



Kaiser-Francis Oil Company BLUS 432H

Casing Assumptions

Formation Name	Formation Top TVD	Interval	Length	Casing Size	Weight (#/ft)	Grade	Thread	Condition	Hole Size	TVD (ft)	Mud Type	Mud Weight Hole	Viscosity	Fluid Loss		Max Pore Pressure	Collapse (psi)	Burst (psi)	Body Tensile Strength	Joint Tensile Strength	Collapse Safety Factor (Min	Burst Safety Factor (Min	Safety	Joint Tensile Safety
Rustler	1400	Conductor	120	20"				New		120		Control			(ppg)	(psi)					1.1)	1.0)	Factor (Min 1.8)	1.8)
Salado	1800	Surface	1350	10-3/4"	40.5	J-55	STC	New	14-3/4"	1350	FW	8.4 - 9.0	32-34	NC	9	632	1580	3130	629000	420000	2.5	5.0	11.5	7.7
Top of Salt	2125	Intermediate	11376	7-5/8"	29.7	HCP110	LTC	New	9.7/8"	11376	Brine	8.7 - 9.0	28-29	NC	9	5324	6700	9460	940000	769000	1.3	1.8	2.8	2.3
Base of Salt	5100	Production	20452	5-1/2"	20	P110 HP	USS Eagle SFH	New	6-3/4"	12158	OBM	10.0-12.0	55-70	NC	12	7587	13150	14360	729000	629000	1.7	1.9	3.0	2.6
Lamar	5275												-											
Bell Canyon	5350																							
Cherry Canyon	6225																							
Brushy Canyon	7700																							
Bone Spring	8800																							
Avalon	8973																							
1 855	0000																							

Kaiser-Francis Oil Company BLUS 432H

Casing Assumptions

Formation Name	Formation Top TVD	Interval	Length	Casing Size	Weight (#/ft)	Grade	Thread	Condition	Hole Size	TVD (ft)	Mud Type	Mud Weight Hole	Viscosity	Fluid Loss	Anticipated Mud Weight	Max Pore Pressure	Collapse (psi)	Burst (psi)	Body Tensile Strength	Joint Tensile Strength	Collapse Safety Factor (Min	Burst Safety Factor (Min 1.0)	Safety	Joint Tensile Safety
Rustler	1400	Conductor	120	20"				New		120		Control			(ppg)	(psi)					1.1)	1.0)	Factor (Min 1.8)	1.8)
Salado	1800	Surface	1350	10-3/4"	40.5	J-55	STC	New	14-3/4"	1350	FW	8.4 - 9.0	32-34	NC	9	632	1580	3130	629000	420000	2.5	5.0	11.5	7.7
Top of Salt	2125	Intermediate	11376	7-5/8"	29.7	HCP110	LTC	New	9.7/8"	11376	Brine	8.7 - 9.0	28-29	NC	9	5324	6700	9460	940000	769000	1.3	1.8	2.8	2.3
Base of Salt	5100	Production	20452	5-1/2"	20	P110 HP	USS Eagle SFH	New	6-3/4"	12158	OBM	10.0-12.0	55-70	NC	12	7587	13150	14360	729000	629000	1.7	1.9	3.0	2.6
Lamar	5275											-	-						-					
Bell Canyon	5350																							
Cherry Canyon	6225																							
Brushy Canyon	7700																							
Bone Spring	8800																							
Avalon	8973																							
1 855	0000																							

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

BELL LAKE UNIT SOUTH Pad 13 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.

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Emergency Response Activation and General Responsibilities	3
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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. 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.
- 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:

	(H2S concentrations in decimal form)
X = [(1.589)(concentration)(Q)] (0.6258)	10,000 ppm +=1.+
	1,000 ppm +=.1+
Calculation for the 500 ppm ROE:	100 ppm +=.01+
	10 ppm +=.001+

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

EXAMPLE: If a well/facility has been determined to have 150 ppm H₂S 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		1.189			
Sulfide	H ₂ S	Air = 1	10 ppm	100 ppm	600 ppm
		2.21			
Sulfur Dioxide	SO ₂	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 COMPANY

Kaiser Francis

Bell Lake Unit South 432H Bell Lake Unit South 432H Bell Lake Unit South 432H Bell Lake Unit South 432H

Plan: 190303 Bell Lake Unit South 432H

Morcor Standard Plan

03 March, 2019

Morcor Engineering Morcor Standard Plan

Project: Bell Lake Unit South 432H WELL @ 3617.7usft (Original Well Elev) Site: Bell Lake Unit South 432H WELL @ 3617.7usft (Original Well Elev) Well: Bell Lake Unit South 432H Well @ 3617.7usft (Original Well Elev) Well: Bell Lake Unit South 432H Morth Reference: Grid Well: Bell Lake Unit South 432H Minimum Curvature EDM 5000.1 Single User D Project Bell Lake Unit South 432H Mean Sea Level Strevey Calculation Method: Map System: US State Plane 1983 System Datum: Mean Sea Level Geo Datum: North American Datum 1983 System Datum: Mean Sea Level Site Bell Lake Unit South 432H South 432H South 432H Site Bell Lake Unit South 432H System Datum: Mean Sea Level Geo Datum: North American Datum 1983 System Sea Level South 432H Site Bell Lake Unit South 432H South 432H South 432H South 432H Site Position: Lat/Long South 432H									
Marka	Project: Be Site: Be Well: Be Wellbore: Be	ell Lake Unit South 4 ell Lake Unit South 4 ell Lake Unit South 4 ell Lake Unit South 4	132H 132H 132H			TVD Refere MD Refere North Refe Survey Cal	ence: nce: rence:	WELL @ 3617.7usft (Origin WELL @ 3617.7usft (Origin Grid Minimum Curvature	al Well Elev) al Well Elev)
Cano Datum North American Datum 1983 How Mexico Eastern Zone State Bell Lake Unit South 432H State Addition Addition Uncertainty State Addition	Project	Bell Lake	Unit South 432H						
Sing Position: LaftLong Sing Position: 453,519.99 usit Bit Radius: Latitude: 32° 14° 33.458 N From: 1.0 usit Stot Radius: 1.71/2 ° Grid Convergence: 0.45 ° Weil Bell Lake Unit South 432H Northing: 453,519.99 usit Stot Radius: Latitude: 0.0 of 32° 39.26 W 0.45 ° Weil Bell Lake Unit South 432H Northing: 453,519.99 usit Stot Radius: Latitude: 0.27° 14' 38.458 N 0.45 ° Position Uncertainty VIV/S 0.0 usit Northing: 453,519.99 usit Stot Radius: Latitude: 0.27° 14' 38.458 N 0.012' 29' 39.26 W Position Uncertainty 0.0 usit Northing: 453,519.99 usit Stot Radius: Latitude: 0.27° 14' 38.458 N Position Uncertainty 0.0 usit Northing: 453,519.99 usit Unit Stot Radius: Latitude: 0.27° 14' 38.458 N Position Uncertainty 0.0 usit Belletee Unit South 432H Latitude: 0.37° 29' 39.26 W 103' 29' 39.26 W Magnetics Bell Lake Unit South 432H Desching Field Strength Intervinet Intervinet Intervinet Intervinet Intervinet Intervinet Intervinet <th>Map System: Geo Datum: Map Zone:</th> <th>North American Da</th> <th>atum 1983</th> <th></th> <th></th> <th>System D</th> <th>atum:</th> <th>Mean Sea Level</th> <th></th>	Map System: Geo Datum: Map Zone:	North American Da	atum 1983			System D	atum:	Mean Sea Level	
From: Lat/Long Easting: 800.766.46 ust Not Radius: Longitude: 103° 29' 30 26 W Position Uncertainty: 1.0 ust Site Radius: 17.1/2 * Grid Convergence: 0.45 * Well Bell Lake Unit South 432H South 432H South 435 ±9.9 usit Latitude: 32° 14' 38.458 N Well Position +W-S 0.0 usft Northing: 453.519.99 usft Latitude: 32° 14' 38.458 N Position Uncertainty: 0.0 usft Northing: 453.519.99 usft Latitude: 32° 14' 38.458 N Position Uncertainty: 0.0 usft Besting: 800.756.46 usft Latitude: 32° 14' 38.458 N Position Uncertainty: 0.0 usft Borting: 453.519.99 usft Latitude: 32° 14' 38.458 N Position Uncertainty: 0.0 usft Besting: usft usft Latitude: 32° 14' 38.458 N Position Uncertainty: 0.0 usft Besting: usft usft Usft Usft Sign 29' 29' 39.205 Position Uncertainty: 10 usft Declination Dip Anjle Field Strength Orthog Field Strength Usft Usft Usft </th <th>Site</th> <th>Bell Lake</th> <th>Unit South 432H</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>	Site	Bell Lake	Unit South 432H						
Well Position +N-S 0.0 usit Northing: 453,519 99 usit Latitude: 32° 14' 38.458 N Position Uncertainty 0.0 usit Bell Northing: 453,519 99 usit Longitude: 32° 14' 38.458 N Position Uncertainty 1.0 usit Wellhead Elevation: usit Ground Level: 32° 14' 38.458 N Wellhore Bell Late Dip Ange Ground Level: 3.995.7 usit Wellhore Bell Late Dip Ange Field Strength (n') (n') Sender Strength Sender St	Site Position: From: Position Uncertainty	-	1.0 usft	Easting:		800,756.46 usf	t Longitude:	rgence:	103° 29' 39.296 W
+E/W 0.0 usft Easting: 0.000756.46 usft Longitude: 103° 29' 39 296 W Position Uncertainty 1.0 usft Wellhead Elevation: usft Ground Level: 3.595.7 usft Wellhore Bell Lake Unit South 432H Dip Angle (°) Field Strength (nT) Ground Level: 3.595.7 usft Magnetics Bedl Lake Unit South 432H Declination (°) Dip Angle (°) Field Strength (nT) OU Version: IGRF2010 3/3/2019 6.59 6.02 47.863 Version: Phase: PLAN Tie On Depth: 0.0 0.0 Version: Depth From (TVD) (usft) +N/-S +E/-W (usft) Direction (r) Direction Survey Tool Program Date 3/3/2019 Tool Name Description	Well	Bell Lake	Unit South 432H						
Wellbore Bell Lake Unit South 432H Magnetics Model Name Sample Date Declination (°) Dip Angle (°) Field Strength (nT) IGRF2010 3/3/2019 6.59 60.02 47,863 Design 190303 Bell Lake Unit South 432H Image: Comparison of the Co	Well Position			-					
Magnetics Model Name Sample Date Declination (°) Dip Angle (°) Field Strength (nT) IGRF2010 3/3/2019 6.5 60.02 47.863 Design 190303 Bell Lake Unit South 432H 47.863 Audit Notes: Version: Phase: PLAN Tie On Depth: 0.0 Version: Phase: PLAN Tie On Depth: 0.0 0.0 Version: Opt From (TVD) +N/-S +E/-W Direction 0.0 0.0 0.0 354.64	Position Uncertainty		1.0 usft	Wellhead El	evation:	usft	G	Fround Level:	3,595.7 usft
IGR F2010 3/3/2019 6.59 60.02 47,863 Design 190303 Bell Lake Unit South 432H Image: Comparing the second secon	Wellbore	Bell Lake	Unit South 432H						_
Design 190303 Bell Lake Unit South 432H Audit Notes: Version: Phase: PLAN Tie On Depth: 0.0 Vertical Section: Depth From (TVD) (usft) +N/-S +E/-W Direction 0.0 0.0 0.0 354.64	Magnetics	Model Name	Sample Date		I				
Audit Notes: Version: Phase: PLAN Tie On Depth: 0.0 Vertical Section: Depth From (TVD) (usft) +N/-S (usft) +E/-W (usft) Direction (°) 0.0 0.0 0.0 354.64 Survey Tool Program Date 3/3/2019 From (usft) Tool Name Description		IGRF2	2010 3/3/2019	6	.59	60.02	47,863		
Audit Notes: Phase: PLAN Tie On Depth: 0.0 Version: Depth From (TVD) (usft) +N/-S (usft) +E/-W (usft) Direction (°) 0.0 0.0 0.0 354.64 Survey Tool Program Date 3/3/2019 From (usft) Tool Name Description	Design	190303 B	ell Lake Unit South 432H						
(usft) (usft) (usft) (") 0.0 0.0 0.0 354.64 Survey Tool Program Date 3/3/2019 From (usft) Too (usft) Tool Name Description	Audit Notes:		Phase:	PLAN	Tie On Depti	h: 0.0			
Survey Tool Program Date 3/3/2019 From To (usft) (usft) Survey (Wellbore) Tool Name Description	Vertical Section:								
From To (usft) (usft) Survey (Wellbore) Tool Name Description			0.0	0.0	0.0	354.64			
(usft) (usft) Survey (Wellbore) Tool Name Description	Survey Tool Program	n Date 3/	3/2019						
0.0 20,452.0 190303 Bell Lake Unit South 432H (Bell La MWD MWD - Standard			rvey (Wellbore)	Tool Name	1	Description			
	0.0	20,452.0 19	0303 Bell Lake Unit South 432	H (Bell La MWD		MWD - Standard			

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KABER-PLANCE OF, COMPANY

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COMPASS 5000.1 Build 56

RASSIN PRANCES OR, COMPANY

Morcor Engineering Morcor Standard Plan

Kaiser Francis	Local Co-ordinate Reference:	Well Bell Lake Unit South 432H
Bell Lake Unit South 432H	TVD Reference:	WELL @ 3617.7usft (Original Well Elev)
Bell Lake Unit South 432H	MD Reference:	WELL @ 3617.7usft (Original Well Elev)
Bell Lake Unit South 432H	North Reference:	Grid
Bell Lake Unit South 432H	Survey Calculation Method:	Minimum Curvature
190303 Bell Lake Unit South 432H	Database:	EDM 5000.1 Single User Db
	Bell Lake Unit South 432H Bell Lake Unit South 432H Bell Lake Unit South 432H Bell Lake Unit South 432H	Bell Lake Unit South 432HTVD Reference:Bell Lake Unit South 432HMD Reference:Bell Lake Unit South 432HNorth Reference:Bell Lake Unit South 432HSurvey 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)
0.0	0.00	0.00	0.0	-3,617.7	0.0	0.0	800,756.46	453,519.99	0.00	0.00
50.0	0.00	0.00	50.0	-3,567.7	0.0	0.0	800,756.46	453,519.99	0.00	0.00
100.0	0.00	271.00	100.0	-3,517.7	0.0	0.0	800,756.46	453,519.99	0.00	0.00
120.0	0.00	271.00	120.0	-3,497.7	0.0	0.0	800,756.46	453,519.99	0.00	0.00
20" Conductor										
150.0	0.00	271.00	150.0	-3,467.7	0.0	0.0	800,756.46	453,519.99	0.00	0.00
200.0	0.00	271.00	200.0	-3,417.7	0.0	0.0	800,756.46	453,519.99	0.00	0.00
250.0	0.00	271.00	250.0	-3,367.7	0.0	0.0	800,756.46	453,519.99	0.00	0.00
300.0	0.00	271.00	300.0	-3,317.7	0.0	0.0	800,756.46	453,519.99	0.00	0.00
350.0	0.00	271.00	350.0	-3,267.7	0.0	0.0	800,756.46	453,519.99	0.00	0.00
400.0	0.00	271.00	400.0	-3,217.7	0.0	0.0	800,756.46	453,519.99	0.00	0.00
450.0	0.00	271.00	450.0	-3,167.7	0.0	0.0	800,756.46	453,519.99	0.00	0.00
500.0	0.00	271.00	500.0	-3,117.7	0.0	0.0	800,756.46	453,519.99	0.00	0.00
550.0	0.00	271.00	550.0	-3,067.7	0.0	0.0	800,756.46	453,519.99	0.00	0.00
600.0	0.00	271.00	600.0	-3,017.7	0.0	0.0	800,756.46	453,519.99	0.00	0.00
650.0	0.00	271.00	650.0	-2,967.7	0.0	0.0	800,756.46	453,519.99	0.00	0.00
700.0	0.00	271.00	700.0	-2,917.7	0.0	0.0	800,756.46	453,519.99	0.00	0.00
750.0	0.00	271.00	750.0	-2,867.7	0.0	0.0	800,756.46	453,519.99	0.00	0.00
800.0	0.00	271.00	800.0	-2,817.7	0.0	0.0	800,756.46	453,519.99	0.00	0.00
850.0	0.00	271.00	850.0	-2,767.7	0.0	0.0	800,756.46	453,519.99	0.00	0.00
900.0	0.00	271.00	900.0	-2,717.7	0.0	0.0	800,756.46	453,519.99	0.00	0.00
950.0	0.00	271.00	950.0	-2,667.7	0.0	0.0	800,756.46	453,519.99	0.00	0.00
1,000.0	0.00	271.00	1,000.0	-2,617.7	0.0	0.0	800,756.46	453,519.99	0.00	0.00
1,050.0	0.00	271.00	1,050.0	-2,567.7	0.0	0.0	800,756.46	453,519.99	0.00	0.00
1,100.0	0.00	271.00	1,100.0	-2,517.7	0.0	0.0	800,756.46	453,519.99	0.00	0.00
1,150.0	0.00	271.00	1,150.0	-2,467.7	0.0	0.0	800,756.46	453,519.99	0.00	0.00
1,200.0	0.00	271.00	1,200.0	-2,417.7	0.0	0.0	800,756.46	453,519.99	0.00	0.00

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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 Unit South 432H
Project:	Bell Lake Unit South 432H	TVD Reference:	WELL @ 3617.7usft (Original Well Elev)
Site:	Bell Lake Unit South 432H	MD Reference:	WELL @ 3617.7usft (Original Well Elev)
Well:	Bell Lake Unit South 432H	North Reference:	Grid
Wellbore:	Bell Lake Unit South 432H	Survey Calculation Method:	Minimum Curvature
Design:	190303 Bell Lake Unit South 432H	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)
1,250.0	0.00	271.00	1,250.0	-2,367.7	0.0	0.0	800,756.46	453,519.99	0.00	
1,300.0	0.00	271.00	1,300.0	-2,317.7	0.0	0.0	800,756.46	453,519.99	0.00	
1,350.0	0.00	271.00	1,350.0	-2,267.7	0.0	0.0	800,756.46	453,519.99	0.00	
1,400.0	0.00	271.00	1,400.0	-2,217.7	0.0	0.0	800,756.46	453,519.99	0.00	
1,422.0	0.00	271.00	1,422.0	-2,195.7	0.0	0.0	800,756.46	453,519.99	0.00	
Rustler										
1,447.0	0.00	271.00	1,447.0	-2,170.7	0.0	0.0	800,756.46	453,519.99	0.00	
13 3/8" Surface										
1,450.0	0.00	271.00	1,450.0	-2,167.7	0.0	0.0	800,756.46	453,519.99	0.00	
1,500.0	0.00	271.00	1,500.0	-2,117.7	0.0	0.0	800,756.46	453,519.99	0.00	
1,550.0	0.00	271.00	1,550.0	-2,067.7	0.0	0.0	800,756.46	453,519.99	0.00	
1,600.0	0.00	271.00	1,600.0	-2,017.7	0.0	0.0	800,756.46	453,519.99	0.00	
1,650.0	0.00	271.00	1,650.0	-1,967.7	0.0	0.0	800,756.46	453,519.99	0.00	
1,700.0	0.00	271.00	1,700.0	-1,917.7	0.0	0.0	800,756.46	453,519.99	0.00	
1,750.0	0.00	271.00	1,750.0	-1,867.7	0.0	0.0	800,756.46	453,519.99	0.00	
1,800.0	0.00	271.00	1,800.0	-1,817.7	0.0	0.0	800,756.46	453,519.99	0.00	
1,847.0	0.00	271.00	1,847.0	-1,770.7	0.0	0.0	800,756.46	453,519.99	0.00	
Salado										
1,850.0	0.00	271.00	1,850.0	-1,767.7	0.0	0.0	800,756.46	453,519.99	0.00	
1,900.0	0.00	271.00	1,900.0	-1,717.7	0.0	0.0	800,756.46	453,519.99	0.00	
1,950.0	0.00	271.00	1,950.0	-1,667.7	0.0	0.0	800,756.46	453,519.99	0.00	
2,000.0	0.00	271.00	2,000.0	-1,617.7	0.0	0.0	800,756.46	453,519.99	0.00	
2,022.0	0.00	271.00	2,022.0	-1,595.7	0.0	0.0	800,756.46	453,519.99	0.00	
Top of Salt										
2,050.0	0.00	271.00	2,050.0	-1,567.7	0.0	0.0	800,756.46	453,519.99	0.00	
2,100.0	0.00	271.00	2,100.0	-1,517.7	0.0	0.0	800,756.46	453,519.99	0.00	
2,150.0	0.00	271.00	2,150.0	-1,467.7	0.0	0.0	800,756.46	453,519.99	0.00	
2,200.0	0.00	271.00	2,200.0	-1,417.7	0.0	0.0	800,756.46	453,519.99	0.00	

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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 Unit South 432H
Project:	Bell Lake Unit South 432H	TVD Reference:	WELL @ 3617.7usft (Original Well Elev)
Site:	Bell Lake Unit South 432H	MD Reference:	WELL @ 3617.7usft (Original Well Elev)
Well:	Bell Lake Unit South 432H	North Reference:	Grid
Wellbore:	Bell Lake Unit South 432H	Survey Calculation Method:	Minimum Curvature
Design:	190303 Bell Lake Unit South 432H	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)
2,250.0	0.00	271.00	2,250.0	-1,367.7	0.0	0.0	800,756.46	453,519.99	0.00	0.00
2,300.0	0.00	271.00	2,300.0	-1,317.7	0.0	0.0	800,756.46	453,519.99	0.00	0.00
2,350.0	0.00	271.00	2,350.0	-1,267.7	0.0	0.0	800,756.46	453,519.99	0.00	0.00
2,400.0	0.00	271.00	2,400.0	-1,217.7	0.0	0.0	800,756.46	453,519.99	0.00	0.00
2,450.0	0.00	271.00	2,450.0	-1,167.7	0.0	0.0	800,756.46	453,519.99	0.00	0.00
2,500.0	0.00	271.00	2,500.0	-1,117.7	0.0	0.0	800,756.46	453,519.99	0.00	0.00
2,550.0	0.00	271.00	2,550.0	-1,067.7	0.0	0.0	800,756.46	453,519.99	0.00	0.00
2,600.0	0.00	271.00	2,600.0	-1,017.7	0.0	0.0	800,756.46	453,519.99	0.00	0.00
2,650.0	0.00	271.00	2,650.0	-967.7	0.0	0.0	800,756.46	453,519.99	0.00	0.00
2,700.0	0.00	271.00	2,700.0	-917.7	0.0	0.0	800,756.46	453,519.99	0.00	0.00
2,750.0	0.00	271.00	2,750.0	-867.7	0.0	0.0	800,756.46	453,519.99	0.00	0.00
2,800.0	0.00	271.00	2,800.0	-817.7	0.0	0.0	800,756.46	453,519.99	0.00	0.00
2,850.0	0.00	271.00	2,850.0	-767.7	0.0	0.0	800,756.46	453,519.99	0.00	0.00
2,900.0	0.00	271.00	2,900.0	-717.7	0.0	0.0	800,756.46	453,519.99	0.00	0.00
2,950.0	0.00	271.00	2,950.0	-667.7	0.0	0.0	800,756.46	453,519.99	0.00	0.00
3,000.0	0.00	271.00	3,000.0	-617.7	0.0	0.0	800,756.46	453,519.99	0.00	0.00
3,050.0	0.00	271.00	3,050.0	-567.7	0.0	0.0	800,756.46	453,519.99	0.00	0.00
3,100.0	0.00	271.00	3,100.0	-517.7	0.0	0.0	800,756.46	453,519.99	0.00	0.00
3,150.0	0.00	271.00	3,150.0	-467.7	0.0	0.0	800,756.46	453,519.99	0.00	0.00
3,200.0	0.00	271.00	3,200.0	-417.7	0.0	0.0	800,756.46	453,519.99	0.00	0.00
3,250.0	0.00	271.00	3,250.0	-367.7	0.0	0.0	800,756.46	453,519.99	0.00	0.00
3,300.0	0.00	271.00	3,300.0	-317.7	0.0	0.0	800,756.46	453,519.99	0.00	0.00
3,350.0	0.00	271.00	3,350.0	-267.7	0.0	0.0	800,756.46	453,519.99	0.00	0.00
3,400.0	0.00	271.00	3,400.0	-217.7	0.0	0.0	800,756.46	453,519.99	0.00	0.00
3,450.0	0.00	271.00	3,450.0	-167.7	0.0	0.0	800,756.46	453,519.99	0.00	0.00
3,500.0	0.00	271.00	3,500.0	-117.7	0.0	0.0	800,756.46	453,519.99	0.00	0.00
3,550.0	0.00	271.00	3,550.0	-67.7	0.0	0.0	800,756.46	453,519.99	0.00	0.00

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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 Unit South 432H
Project:	Bell Lake Unit South 432H	TVD Reference:	WELL @ 3617.7usft (Original Well Elev)
Site:	Bell Lake Unit South 432H	MD Reference:	WELL @ 3617.7usft (Original Well Elev)
Well:	Bell Lake Unit South 432H	North Reference:	Grid
Wellbore	Bell Lake Unit South 432H	Survey Calculation Method:	Minimum Curvature
Design:	190303 Bell Lake Unit South 432H	Database:	EDM 5000.1 Single User Db
Design.	190903 Dell Eake Offit Sodul 43211	Database.	EDW 5000.1 Single Oser 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)
3,600.0	0.00	271.00	3,600.0	-17.7	0.0	0.0	800,756.46	453,519.99	0.00	0.00
3,650.0	0.00	271.00	3,650.0	32.3	0.0	0.0	800,756.46	453,519.99	0.00	0.00
3,700.0	0.00	271.00	3,700.0	82.3	0.0	0.0	800,756.46	453,519.99	0.00	0.00
3,750.0	0.00	271.00	3,750.0	132.3	0.0	0.0	800,756.46	453,519.99	0.00	0.00
3,800.0	0.00	271.00	3,800.0	182.3	0.0	0.0	800,756.46	453,519.99	0.00	0.00
3,850.0	0.00	271.00	3,850.0	232.3	0.0	0.0	800,756.46	453,519.99	0.00	0.00
3,900.0	0.00	271.00	3,900.0	282.3	0.0	0.0	800,756.46	453,519.99	0.00	0.00
3,950.0	0.00	271.00	3,950.0	332.3	0.0	0.0	800,756.46	453,519.99	0.00	0.00
4,000.0	0.00	271.00	4,000.0	382.3	0.0	0.0	800,756.46	453,519.99	0.00	0.00
4,050.0	0.00	271.00	4,050.0	432.3	0.0	0.0	800,756.46	453,519.99	0.00	0.00
4,100.0	0.00	271.00	4,100.0	482.3	0.0	0.0	800,756.46	453,519.99	0.00	0.00
4,150.0	0.00	271.00	4,150.0	532.3	0.0	0.0	800,756.46	453,519.99	0.00	0.00
4,200.0	0.00	271.00	4,200.0	582.3	0.0	0.0	800,756.46	453,519.99	0.00	0.00
4,250.0	0.00	271.00	4,250.0	632.3	0.0	0.0	800,756.46	453,519.99	0.00	0.00
4,300.0	0.00	271.00	4,300.0	682.3	0.0	0.0	800,756.46	453,519.99	0.00	0.00
4,350.0	0.00	271.00	4,350.0	732.3	0.0	0.0	800,756.46	453,519.99	0.00	0.00
4,400.0	0.00	271.00	4,400.0	782.3	0.0	0.0	800,756.46	453,519.99	0.00	0.00
4,450.0	0.00	271.00	4,450.0	832.3	0.0	0.0	800,756.46	453,519.99	0.00	0.00
4,500.0	0.00	271.00	4,500.0	882.3	0.0	0.0	800,756.46	453,519.99	0.00	0.00
4,550.0	0.00	271.00	4,550.0	932.3	0.0	0.0	800,756.46	453,519.99	0.00	0.00
4,600.0	0.00	271.00	4,600.0	982.3	0.0	0.0	800,756.46	453,519.99	0.00	0.00
4,650.0	0.00	271.00	4,650.0	1,032.3	0.0	0.0	800,756.46	453,519.99	0.00	0.00
4,700.0	0.00	271.00	4,700.0	1,082.3	0.0	0.0	800,756.46	453,519.99	0.00	0.00
4,750.0	0.00	271.00	4,750.0	1,132.3	0.0	0.0	800,756.46	453,519.99	0.00	0.00
4,800.0	0.00	271.00	4,800.0	1,182.3	0.0	0.0	800,756.46	453,519.99	0.00	0.00
4,850.0	0.00	271.00	4,850.0	1,232.3	0.0	0.0	800,756.46	453,519.99	0.00	0.00
4,900.0	0.00	271.00	4,900.0	1,282.3	0.0	0.0	800,756.46	453,519.99	0.00	0.00

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COMPASS 5000.1 Build 56

KASSER-PRANCES OF COMPANY

Morcor Engineering Morcor Standard Plan

Kaiser Francis	Local Co-ordinate Reference:	Well Bell Lake Unit South 432H
Bell Lake Unit South 432H	TVD Reference:	WELL @ 3617.7usft (Original Well Elev)
Bell Lake Unit South 432H	MD Reference:	WELL @ 3617.7usft (Original Well Elev)
Bell Lake Unit South 432H	North Reference:	Grid
Bell Lake Unit South 432H	Survey Calculation Method:	Minimum Curvature
190303 Bell Lake Unit South 432H	Database:	EDM 5000.1 Single User Db
	Bell Lake Unit South 432H Bell Lake Unit South 432H Bell Lake Unit South 432H Bell Lake Unit South 432H	Bell Lake Unit South 432HTVD Reference:Bell Lake Unit South 432HMD Reference:Bell Lake Unit South 432HNorth Reference:Bell Lake Unit South 432HSurvey 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)
4,950.0	0.00	271.00	4,950.0	1,332.3	0.0	0.0	800,756.46	453,519.99	0.00	0.
5,000.0	0.00	271.00	5,000.0	1,382.3	0.0	0.0	800,756.46	453,519.99	0.00	0.
5,022.0	0.00	271.00	5,022.0	1,404.3	0.0	0.0	800,756.46	453,519.99	0.00	0.
Base of Salt										
5,050.0	0.00	271.00	5,050.0	1,432.3	0.0	0.0	800,756.46	453,519.99	0.00	0
5,100.0	0.00	271.00	5,100.0	1,482.3	0.0	0.0	800,756.46	453,519.99	0.00	0
5,150.0	0.00	271.00	5,150.0	1,532.3	0.0	0.0	800,756.46	453,519.99	0.00	0
5,200.0	0.00	271.00	5,200.0	1,582.3	0.0	0.0	800,756.46	453,519.99	0.00	0
5,222.0	0.00	271.00	5,222.0	1,604.3	0.0	0.0	800,756.46	453,519.99	0.00	0
Lamar Lime										
5,247.0	0.00	271.00	5,247.0	1,629.3	0.0	0.0	800,756.46	453,519.99	0.00	0
9 5/8" Intermed 5,250.0	liate Casing 0.00	271.00	5,250.0	1,632.3	0.0	0.0	800,756.46	453,519.99	0.00	0
5,300.0	0.00	271.00	5,300.0	1,682.3	0.0	0.0	800,756.46	453,519.99	0.00	0
5,350.0	0.00	271.00	5,350.0	1,732.3	0.0	0.0	800,756.46	453,519.99	0.00	0
5,400.0	0.00	271.00	5,400.0	1,782.3	0.0	0.0	800,756.46	453,519.99	0.00	0
5,422.0	0.00	271.00	5,422.0	1,804.3	0.0	0.0	800,756.46	453,519.99	0.00	0
Bell Canyon	0.00	071.00	5 450 0	4 000 0			000 750 40	150 510 00	0.00	
5,450.0	0.00	271.00	5,450.0	1,832.3	0.0	0.0	800,756.46	453,519.99	0.00	0
5,500.0	0.00	271.00	5,500.0	1,882.3	0.0	0.0	800,756.46	453,519.99	0.00	0
5,550.0	0.00	271.00	5,550.0	1,932.3	0.0	0.0	800,756.46	453,519.99	0.00	0
5,600.0	0.00	271.00	5,600.0	1,982.3	0.0	0.0	800,756.46	453,519.99	0.00	0
5,650.0	0.00	271.00	5,650.0	2,032.3	0.0	0.0	800,756.46	453,519.99	0.00	0
5,666.0	0.00	271.00	5,666.0	2,048.3	0.0	0.0	800,756.46	453,519.99	0.00	0
Start Build 3.00										
5,700.0	1.02	271.00	5,700.0	2,082.3	0.0	-0.3	800,756.16	453,519.99	0.03	3
5,750.0	2.52	271.00	5,750.0	2,132.3	0.0	-1.8	800,754.61	453,520.02	0.20	3
5,800.0	4.02	271.00	5,799.9	2,182.2	0.1	-4.7	800,751.76	453,520.07	0.52	3

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KASSER-PRANCES OR, COMPANY

Morcor Engineering Morcor Standard Plan

Company:	Kaiser Francis	Local Co-ordinate Reference:	Well Bell Lake Unit South 432H
Project:	Bell Lake Unit South 432H	TVD Reference:	WELL @ 3617.7usft (Original Well Elev)
Site:	Bell Lake Unit South 432H	MD Reference:	WELL @ 3617.7usft (Original Well Elev)
Well:	Bell Lake Unit South 432H	North Reference:	Grid
Wellbore:	Bell Lake Unit South 432H	Survey Calculation Method:	Minimum Curvature
Design:	190303 Bell Lake Unit South 432H	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)
5,850.0	5.52	271.00	5,849.7	2,232.0	0.2	-8.9	800,747.61	453,520.14	0.98	3.0
5,866.0	6.00	271.00	5,865.6	2,247.9	0.2	-10.5	800,746.00	453,520.17	1.16	3.
Start 5470.0 ho										
5,900.0	6.00	271.00	5,899.4	2,281.7	0.2	-14.0	800,742.45	453,520.23	1.55	0.
5,950.0	6.00	271.00	5,949.2	2,331.5	0.3	-19.2	800,737.22	453,520.32	2.13	0
6,000.0	6.00	271.00	5,998.9	2,381.2	0.4	-24.5	800,731.99	453,520.41	2.71	0
6,050.0	6.00	271.00	6,048.6	2,430.9	0.5	-29.7	800,726.77	453,520.50	3.29	0
6,100.0	6.00	271.00	6,098.4	2,480.7	0.6	-34.9	800,721.54	453,520.59	3.87	0
6,150.0	6.00	271.00	6,148.1	2,530.4	0.7	-40.1	800,716.32	453,520.69	4.45	0
6,200.0	6.00	271.00	6,197.8	2,580.1	0.8	-45.4	800,711.09	453,520.78	5.03	0
6,250.0	6.00	271.00	6,247.5	2,629.8	0.9	-50.6	800,705.87	453,520.87	5.61	0
6,274.6	6.00	271.00	6,272.0	2,654.3	0.9	-53.2	800,703.30	453,520.91	5.89	C
Cherry Canyon										
6,300.0	6.00	271.00	6,297.3	2,679.6	1.0	-55.8	800,700.64	453,520.96	6.18	(
6,350.0	6.00	271.00	6,347.0	2,729.3	1.1	-61.0	800,695.42	453,521.05	6.76	(
6,400.0	6.00	271.00	6,396.7	2,779.0	1.2	-66.3	800,690.19	453,521.14	7.34	0
6,450.0	6.00	271.00	6,446.4	2,828.7	1.2	-71.5	800,684.96	453,521.23	7.92	C
6,500.0	6.00	271.00	6,496.2	2,878.5	1.3	-76.7	800,679.74	453,521.32	8.50	0
6,550.0	6.00	271.00	6,545.9	2,928.2	1.4	-81.9	800,674.51	453,521.42	9.08	0
6,600.0	6.00	271.00	6,595.6	2,977.9	1.5	-87.2	800,669.29	453,521.51	9.66	0
6,650.0	6.00	271.00	6,645.3	3,027.6	1.6	-92.4	800,664.06	453,521.60	10.24	0
6,700.0	6.00	271.00	6,695.1	3,077.4	1.7	-97.6	800,658.84	453,521.69	10.82	C
6,750.0	6.00	271.00	6,744.8	3,127.1	1.8	-102.8	800,653.61	453,521.78	11.39	C
6,800.0	6.00	271.00	6,794.5	3,176.8	1.9	-108.1	800,648.38	453,521.87	11.97	C
6,850.0	6.00	271.00	6,844.2	3,226.5	2.0	-113.3	800,643.16	453,521.96	12.55	0
6,900.0	6.00	271.00	6,894.0	3,276.3	2.1	-118.5	800,637.93	453,522.05	13.13	0
6,950.0	6.00	271.00	6,943.7	3,326.0	2.2	-123.8	800,632.71	453,522.15	13.71	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 Unit South 432H
Project:	Bell Lake Unit South 432H	TVD Reference:	WELL @ 3617.7usft (Original Well Elev)
Site:	Bell Lake Unit South 432H	MD Reference:	WELL @ 3617.7usft (Original Well Elev)
Well:	Bell Lake Unit South 432H	North Reference:	Grid
Wellbore	Bell Lake Unit South 432H	Survey Calculation Method:	Minimum Curvature
Design:	190303 Bell Lake Unit South 432H	Database:	EDM 5000.1 Single User Db
Design.	190903 Dell Eake Offit Sodul 43211	Database.	EDW 5000.1 Single Oser Db

Planned Survey	Pla	nned	Survey	
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MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	Easting (usft)	Northing (usft)	V. Sec (usft)	DLeg (°/100usft)
7,000.0	6.00	271.00	6,993.4	3,375.7	2.3	-129.0	800,627.48	453,522.24	14.29	0.00
7,050.0	6.00	271.00	7,043.1	3,425.4	2.3	-134.2	800,622.26	453,522.33	14.87	0.00
7,100.0	6.00	271.00	7,092.9	3,475.2	2.4	-139.4	800,617.03	453,522.42	15.45	0.00
7,150.0	6.00	271.00	7,142.6	3,524.9	2.5	-144.7	800,611.81	453,522.51	16.03	0.00
7,200.0	6.00	271.00	7,192.3	3,574.6	2.6	-149.9	800,606.58	453,522.60	16.61	0.00
7,250.0	6.00	271.00	7,242.1	3,624.4	2.7	-155.1	800,601.35	453,522.69	17.18	0.00
7,300.0	6.00	271.00	7,291.8	3,674.1	2.8	-160.3	800,596.13	453,522.78	17.76	0.00
7,350.0	6.00	271.00	7,341.5	3,723.8	2.9	-165.6	800,590.90	453,522.88	18.34	0.00
7,400.0	6.00	271.00	7,391.2	3,773.5	3.0	-170.8	800,585.68	453,522.97	18.92	0.00
7,450.0	6.00	271.00	7,441.0	3,823.3	3.1	-176.0	800,580.45	453,523.06	19.50	0.00
7,500.0	6.00	271.00	7,490.7	3,873.0	3.2	-181.2	800,575.23	453,523.15	20.08	0.00
7,550.0	6.00	271.00	7,540.4	3,922.7	3.3	-186.5	800,570.00	453,523.24	20.66	0.00
7,600.0	6.00	271.00	7,590.1	3,972.4	3.3	-191.7	800,564.77	453,523.33	21.24	0.00
7,650.0	6.00	271.00	7,639.9	4,022.2	3.4	-196.9	800,559.55	453,523.42	21.82	0.00
7,700.0	6.00	271.00	7,689.6	4,071.9	3.5	-202.1	800,554.32	453,523.51	22.40	0.00
7,750.0	6.00	271.00	7,739.3	4,121.6	3.6	-207.4	800,549.10	453,523.60	22.97	0.00
7,757.7	6.00	271.00	7,747.0	4,129.3	3.6	-208.2	800,548.29	453,523.62	23.06	0.00
Brushy Canyon										
7,800.0	6.00	271.00	7,789.0	4,171.3	3.7	-212.6	800,543.87	453,523.70	23.55	0.00
7,850.0	6.00	271.00	7,838.8	4,221.1	3.8	-217.8	800,538.65	453,523.79	24.13	0.00
7,900.0	6.00	271.00	7,888.5	4,270.8	3.9	-223.0	800,533.42	453,523.88	24.71	0.00
7,950.0	6.00	271.00	7,938.2	4,320.5	4.0	-228.3	800,528.20	453,523.97	25.29	0.00
8,000.0	6.00	271.00	7,987.9	4,370.2	4.1	-233.5	800,522.97	453,524.06	25.87	0.00
8,050.0	6.00	271.00	8,037.7	4,420.0	4.2	-238.7	800,517.74	453,524.15	26.45	0.00
8,100.0	6.00	271.00	8,087.4	4,469.7	4.3	-243.9	800,512.52	453,524.24	27.03	0.00
8,150.0	6.00	271.00	8,137.1	4,519.4	4.3	-249.2	800,507.29	453,524.33	27.61	0.00
8,200.0	6.00	271.00	8,186.8	4,569.1	4.4	-254.4	800,502.07	453,524.43	28.18	0.00

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COMPASS 5000.1 Build 56

EASER-WANCES OF, COMPANY

Morcor Engineering Morcor Standard Plan

Company:	Kaiser Francis	Local Co-ordinate Reference:	Well Bell Lake Unit South 432H
Project:	Bell Lake Unit South 432H	TVD Reference:	WELL @ 3617.7usft (Original Well Elev)
Site:	Bell Lake Unit South 432H	MD Reference:	WELL @ 3617.7usft (Original Well Elev)
Well:	Bell Lake Unit South 432H	North Reference:	Grid
Wellbore:	Bell Lake Unit South 432H	Survey Calculation Method:	Minimum Curvature
Design:	190303 Bell Lake Unit South 432H	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)
8,250.0	6.00	271.00	8,236.6	4,618.9	4.5	-259.6	800,496.84	453,524.52	28.76	0.0
8,300.0	6.00	271.00	8,286.3	4,668.6	4.6	-264.8	800,491.62	453,524.61	29.34	0.0
8,350.0	6.00	271.00	8,336.0	4,718.3	4.7	-270.1	800,486.39	453,524.70	29.92	0.0
8,400.0	6.00	271.00	8,385.8	4,768.1	4.8	-275.3	800,481.16	453,524.79	30.50	0.0
8,450.0	6.00	271.00	8,435.5	4,817.8	4.9	-280.5	800,475.94	453,524.88	31.08	0.0
8,500.0	6.00	271.00	8,485.2	4,867.5	5.0	-285.7	800,470.71	453,524.97	31.66	0.0
8,550.0	6.00	271.00	8,534.9	4,917.2	5.1	-291.0	800,465.49	453,525.06	32.24	0.0
8,600.0	6.00	271.00	8,584.7	4,967.0	5.2	-296.2	800,460.26	453,525.16	32.82	0.
8,650.0	6.00	271.00	8,634.4	5,016.7	5.3	-301.4	800,455.04	453,525.25	33.40	0.
8,700.0	6.00	271.00	8,684.1	5,066.4	5.4	-306.6	800,449.81	453,525.34	33.97	0.
8,750.0	6.00	271.00	8,733.8	5,116.1	5.4	-311.9	800,444.59	453,525.43	34.55	0.
8,800.0	6.00	271.00	8,783.6	5,165.9	5.5	-317.1	800,439.36	453,525.52	35.13	0.
8,850.0	6.00	271.00	8,833.3	5,215.6	5.6	-322.3	800,434.13	453,525.61	35.71	0.
8,900.0	6.00	271.00	8,883.0	5,265.3	5.7	-327.6	800,428.91	453,525.70	36.29	0.
8,904.0	6.00	271.00	8,887.0	5,269.3	5.7	-328.0	800,428.49	453,525.71	36.34	0
Bone Spring										
8,950.0	6.00	271.00	8,932.7	5,315.0	5.8	-332.8	800,423.68	453,525.79	36.87	0
9,000.0	6.00	271.00	8,982.5	5,364.8	5.9	-338.0	800,418.46	453,525.89	37.45	0
9,050.0	6.00	271.00	9,032.2	5,414.5	6.0	-343.2	800,413.23	453,525.98	38.03	0
9,097.1	6.00	271.00	9,079.0	5,461.3	6.1	-348.1	800,408.31	453,526.06	38.57	0
Avalon										
9,100.0	6.00	271.00	9,081.9	5,464.2	6.1	-348.5	800,408.01	453,526.07	38.61	0.
9,150.0	6.00	271.00	9,131.6	5,513.9	6.2	-353.7	800,402.78	453,526.16	39.18	0
9,200.0	6.00	271.00	9,181.4	5,563.7	6.3	-358.9	800,397.55	453,526.25	39.76	0
9,250.0	6.00	271.00	9,231.1	5,613.4	6.4	-364.1	800,392.33	453,526.34	40.34	0
9,300.0	6.00	271.00	9,280.8	5,663.1	6.4	-369.4	800,387.10	453,526.43	40.92	0.
9,350.0	6.00	271.00	9,330.5	5,712.8	6.5	-374.6	800,381.88	453,526.52	41.50	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 Unit South 432H
Project:	Bell Lake Unit South 432H	TVD Reference:	WELL @ 3617.7usft (Original Well Elev)
Site:	Bell Lake Unit South 432H	MD Reference:	WELL @ 3617.7usft (Original Well Elev)
Well:	Bell Lake Unit South 432H	North Reference:	Grid
Wellbore	Bell Lake Unit South 432H	Survey Calculation Method:	Minimum Curvature
Design:	190303 Bell Lake Unit South 432H	Database:	EDM 5000.1 Single User Db
Design.	190903 Dell Eake Offit Sodul 43211	Database.	EDW 5000.1 Single Oser 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)
9,400.0	6.00	271.00	9,380.3	5,762.6	6.6	-379.8	800,376.65	453,526.61	42.08	0.00
9,450.0	6.00	271.00	9,430.0	5,812.3	6.7	-385.0	800,371.43	453,526.71	42.66	0.00
9,500.0	6.00	271.00	9,479.7	5,862.0	6.8	-390.3	800,366.20	453,526.80	43.24	0.00
9,550.0	6.00	271.00	9,529.5	5,911.8	6.9	-395.5	800,360.98	453,526.89	43.82	0.00
9,600.0	6.00	271.00	9,579.2	5,961.5	7.0	-400.7	800,355.75	453,526.98	44.40	0.00
9,650.0	6.00	271.00	9,628.9	6,011.2	7.1	-405.9	800,350.52	453,527.07	44.97	0.00
9,700.0	6.00	271.00	9,678.6	6,060.9	7.2	-411.2	800,345.30	453,527.16	45.55	0.00
9,750.0	6.00	271.00	9,728.4	6,110.7	7.3	-416.4	800,340.07	453,527.25	46.13	0.00
9,800.0	6.00	271.00	9,778.1	6,160.4	7.4	-421.6	800,334.85	453,527.34	46.71	0.00
9,850.0	6.00	271.00	9,827.8	6,210.1	7.5	-426.8	800,329.62	453,527.44	47.29	0.00
9,900.0	6.00	271.00	9,877.5	6,259.8	7.5	-432.1	800,324.40	453,527.53	47.87	0.00
9,950.0	6.00	271.00	9,927.3	6,309.6	7.6	-437.3	800,319.17	453,527.62	48.45	0.00
10,000.0	6.00	271.00	9,977.0	6,359.3	7.7	-442.5	800,313.94	453,527.71	49.03	0.00
10,050.0	6.00	271.00	10,026.7	6,409.0	7.8	-447.7	800,308.72	453,527.80	49.61	0.00
10,100.0	6.00	271.00	10,076.4	6,458.7	7.9	-453.0	800,303.49	453,527.89	50.18	0.00
10,145.8	6.00	271.00	10,122.0	6,504.3	8.0	-457.8	800,298.71	453,527.98	50.72	0.00
1st Bone Spring										
10,150.0	6.00	271.00	10,126.2	6,508.5	8.0	-458.2	800,298.27	453,527.98	50.76	0.00
10,200.0	6.00	271.00	10,175.9	6,558.2	8.1	-463.4	800,293.04	453,528.07	51.34	0.00
10,250.0	6.00	271.00	10,225.6	6,607.9	8.2	-468.6	800,287.82	453,528.17	51.92	0.00
10,300.0	6.00	271.00	10,275.3	6,657.6	8.3	-473.9	800,282.59	453,528.26	52.50	0.00
10,350.0	6.00	271.00	10,325.1	6,707.4	8.4	-479.1	800,277.37	453,528.35	53.08	0.00
10,400.0	6.00	271.00	10,374.8	6,757.1	8.5	-484.3	800,272.14	453,528.44	53.66	0.00
10,450.0	6.00	271.00	10,424.5	6,806.8	8.5	-489.5	800,266.91	453,528.53	54.24	0.00
10,500.0	6.00	271.00	10,474.2	6,856.5	8.6	-494.8	800,261.69	453,528.62	54.82	0.00
10,550.0	6.00	271.00	10,524.0	6,906.3	8.7	-500.0	800,256.46	453,528.71	55.40	0.00
10,600.0	6.00	271.00	10,573.7	6,956.0	8.8	-505.2	800,251.24	453,528.80	55.97	0.00

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COMPASS 5000.1 Build 56

KASSIF PRANCE OR COMPANY

Morcor Engineering Morcor Standard Plan

Kaiser Francis	Local Co-ordinate Reference:	Well Bell Lake Unit South 432H
Bell Lake Unit South 432H	TVD Reference:	WELL @ 3617.7usft (Original Well Elev)
Bell Lake Unit South 432H	MD Reference:	WELL @ 3617.7usft (Original Well Elev)
Bell Lake Unit South 432H	North Reference:	Grid
Bell Lake Unit South 432H	Survey Calculation Method:	Minimum Curvature
190303 Bell Lake Unit South 432H	Database:	EDM 5000.1 Single User Db
	Bell Lake Unit South 432H Bell Lake Unit South 432H Bell Lake Unit South 432H Bell Lake Unit South 432H	Bell Lake Unit South 432HTVD Reference:Bell Lake Unit South 432HMD Reference:Bell Lake Unit South 432HNorth Reference:Bell Lake Unit South 432HSurvey 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)
10,650.0	6.00	271.00	10,623.4	7,005.7	8.9	-510.4	800,246.01	453,528.90	56.55	
10,683.8	6.00	271.00	10,657.0	7,039.3	9.0	-514.0	800,242.48	453,528.96	56.94	
2nd Bone Spr										
10,700.0	6.00	271.00	10,673.2	7,055.5	9.0	-515.7	800,240.79	453,528.99	57.13	
10,750.0	6.00	271.00	10,722.9	7,105.2	9.1	-520.9	800,235.56	453,529.08	57.71	
10,800.0	6.00	271.00	10,772.6	7,154.9	9.2	-526.1	800,230.33	453,529.17	58.29	
10,850.0	6.00	271.00	10,822.3	7,204.6	9.3	-531.4	800,225.11	453,529.26	58.87	
10,900.0	6.00	271.00	10,872.1	7,254.4	9.4	-536.6	800,219.88	453,529.35	59.45	
10,950.0	6.00	271.00	10,921.8	7,304.1	9.5	-541.8	800,214.66	453,529.44	60.03	
11,000.0	6.00	271.00	10,971.5	7,353.8	9.5	-547.0	800,209.43	453,529.53	60.61	
11,050.0	6.00	271.00	11,021.2	7,403.5	9.6	-552.3	800,204.21	453,529.62	61.19	
11,100.0	6.00	271.00	11,071.0	7,453.3	9.7	-557.5	800,198.98	453,529.72	61.76	
11,150.0	6.00	271.00	11,120.7	7,503.0	9.8	-562.7	800,193.76	453,529.81	62.34	
11,200.0	6.00	271.00	11,170.4	7,552.7	9.9	-567.9	800,188.53	453,529.90	62.92	
11,201.6	6.00	271.00	11,172.0	7,554.3	9.9	-568.1	800,188.36	453,529.90	62.94	
3rd Bone Spri										
11,250.0	6.00	271.00	11,220.1	7,602.4	10.0	-573.2	800,183.30	453,529.99	63.50	
11,300.0	6.00	271.00	11,269.9	7,652.2	10.1	-578.4	800,178.08	453,530.08	64.08	
11,336.0	6.00	271.00	11,305.7	7,688.0	10.2	-582.1	800,174.32	453,530.15	64.50	
Start Drop -3.										
11,350.0	5.58	271.00	11,319.6	7,701.9	10.2	-583.6	800,172.90	453,530.17	64.65	
11,400.0	4.08	271.00	11,369.4	7,751.7	10.3	-587.8	800,168.69	453,530.24	65.12	
11,450.0	2.58	271.00	11,419.3	7,801.6	10.3	-590.7	800,165.79	453,530.30	65.44	
11,500.0	1.08	271.00	11,469.3	7,851.6	10.3	-592.3	800,164.19	453,530.32	65.62	
11,536.0	0.00	0.00	11,505.3	7,887.6	10.3	-592.6	800,163.86	453,530.33	65.66	
Start 80.0 hole	at 11536.0 MD									
11,550.0	0.00	0.00	11,519.3	7,901.6	10.3	-592.6	800,163.86	453,530.33	65.66	

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COMPASS 5000.1 Build 56

KASSEI-PEANCES OR, COMBANY

Morcor Engineering Morcor Standard Plan

Kaiser Francis	Local Co-ordinate Reference:	Well Bell Lake Unit South 432H
Bell Lake Unit South 432H	TVD Reference:	WELL @ 3617.7usft (Original Well Elev)
Bell Lake Unit South 432H	MD Reference:	WELL @ 3617.7usft (Original Well Elev)
Bell Lake Unit South 432H	North Reference:	Grid
Bell Lake Unit South 432H	Survey Calculation Method:	Minimum Curvature
190303 Bell Lake Unit South 432H	Database:	EDM 5000.1 Single User Db
	Bell Lake Unit South 432H Bell Lake Unit South 432H Bell Lake Unit South 432H Bell Lake Unit South 432H	Bell Lake Unit South 432HTVD Reference:Bell Lake Unit South 432HMD Reference:Bell Lake Unit South 432HNorth Reference:Bell Lake Unit South 432HSurvey 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)
11,600.0	0.00	0.00	11,569.3	7,951.6	10.3	-592.6	800,163.86	453,530.33	65.66	(
11,616.0	0.00	0.00	11,585.3	7,967.6	10.3	-592.6	800,163.86	453,530.33	65.66	0
Start Build 10.0										
11,650.0	3.40	0.00	11,619.3	8,001.6	11.4	-592.6	800,163.86	453,531.34	66.66	1
11,682.8	6.68	0.00	11,652.0	8,034.3	14.2	-592.6	800,163.86	453,534.22	69.53	1
3rd Bone Sprin										
11,700.0	8.40	0.00	11,669.0	8,051.3	16.5	-592.6	800,163.86	453,536.48	71.78	1
11,750.0	13.40	0.00	11,718.1	8,100.4	25.9	-592.6	800,163.86	453,545.93	81.19	1
11,800.0	18.40	0.00	11,766.2	8,148.5	39.6	-592.6	800,163.86	453,559.62	94.82	1
11,850.0	23.40	0.00	11,812.9	8,195.2	57.5	-592.6	800,163.86	453,577.45	112.57	1
11,900.0	28.40	0.00	11,857.8	8,240.1	79.3	-592.6	800,163.86	453,599.29	134.31	1
11,950.0	33.40	0.00	11,900.7	8,283.0	105.0	-592.6	800,163.86	453,624.95	159.87	1
12,000.0	38.40	0.00	11,941.2	8,323.5	134.3	-592.6	800,163.86	453,654.26	189.05	1
12,020.5	40.45	0.00	11,957.0	8,339.3	147.3	-592.6	800,163.86	453,667.26	201.98	1
Wolfcamp										
12,050.0	43.40	0.00	11,979.0	8,361.3	167.0	-592.6	800,163.86	453,686.99	221.63	1
12,100.0	48.40	0.00	12,013.8	8,396.1	202.9	-592.6	800,163.86	453,722.89	257.37	1
12,150.0	53.40	0.00	12,045.3	8,427.6	241.7	-592.6	800,163.86	453,761.68	295.99	1
12,200.0	58.40	0.00	12,073.3	8,455.6	283.1	-592.6	800,163.86	453,803.07	337.20	1
12,250.0	63.40	0.00	12,097.6	8,479.9	326.8	-592.6	800,163.86	453,846.74	380.68	1
12,300.0	68.40	0.00	12,118.0	8,500.3	372.4	-592.6	800,163.86	453,892.37	426.11	1
12,350.0	73.40	0.00	12,134.4	8,516.7	419.6	-592.6	800,163.86	453,939.60	473.14	1
12,400.0	78.40	0.00	12,146.6	8,528.9	468.1	-592.6	800,163.86	453,988.08	521.40	1
12,450.0	83.40	0.00	12,154.5	8,536.8	517.4	-592.6	800,163.86	454,037.43	570.54	1
12,500.0	88.40	0.00	12,158.0	8,540.3	567.3	-592.6	800,163.86	454,087.29	620.18	1
12,516.0	90.00	0.00	12,158.3	8,540.6	583.3	-592.6	800,163.86	454,103.29	636.11	1
Start 303.0 hole	at 12516.0 MD									

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COMPASS 5000.1 Build 56

RABBIN PRANCES OR, COMPANY

Morcor Engineering Morcor Standard Plan

Company:	Kaiser Francis	Local Co-ordinate Reference:	Well Bell Lake Unit South 432H
Project:	Bell Lake Unit South 432H	TVD Reference:	WELL @ 3617.7usft (Original Well Elev)
Site:	Bell Lake Unit South 432H	MD Reference:	WELL @ 3617.7usft (Original Well Elev)
Well:	Bell Lake Unit South 432H	North Reference:	Grid
Wellbore:	Bell Lake Unit South 432H	Survey Calculation Method:	Minimum Curvature
Design:	190303 Bell Lake Unit South 432H	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)
12,550.0	90.00	0.00	12,158.3	8,540.6	617.3	-592.6	800,163.86	454,137.29	669.96	0.0
12,600.0	90.00	0.00	12,158.3	8,540.6	667.3	-592.6	800,163.86	454,187.29	719.74	0.0
12,650.0	90.00	0.00	12,158.3	8,540.6	717.3	-592.6	800,163.86	454,237.29	769.52	0.0
12,700.0	90.00	0.00	12,158.3	8,540.6	767.3	-592.6	800,163.86	454,287.29	819.30	0.0
12,750.0	90.00	0.00	12,158.3	8,540.6	817.3	-592.6	800,163.86	454,337.29	869.08	0.0
12,800.0	90.00	0.00	12,158.3	8,540.6	867.3	-592.6	800,163.86	454,387.29	918.87	0.0
12,819.0	90.00	0.00	12,158.3	8,540.6	886.3	-592.6	800,163.86	454,406.29	937.78	0.0
Start Turn -1.56										
12,850.0	90.00	359.52	12,158.3	8,540.6	917.3	-592.7	800,163.72	454,437.29	968.66	1.
12,900.0	90.00	358.74	12,158.3	8,540.6	967.3	-593.5	800,162.96	454,487.28	1,018.51	1.
12,919.0	90.00	358.44	12,158.3	8,540.6	986.3	-594.0	800,162.49	454,506.27	1,037.46	1.
Start 7533.0 ho	ld at 12919.0 MD									
12,950.0	90.00	358.44	12,158.3	8,540.6	1,017.3	-594.8	800,161.65	454,537.26	1,068.39	0.
13,000.0	90.00	358.44	12,158.3	8,540.6	1,067.3	-596.2	800,160.29	454,587.24	1,118.28	0.
13,050.0	90.00	358.44	12,158.3	8,540.6	1,117.2	-597.5	800,158.93	454,637.23	1,168.17	0.
13,100.0	90.00	358.44	12,158.3	8,540.6	1,167.2	-598.9	800,157.57	454,687.21	1,218.06	0.
13,150.0	90.00	358.44	12,158.3	8,540.6	1,217.2	-600.3	800,156.21	454,737.19	1,267.95	0.
13,200.0	90.00	358.44	12,158.3	8,540.6	1,267.2	-601.6	800,154.84	454,787.17	1,317.84	0.
13,250.0	90.00	358.44	12,158.3	8,540.6	1,317.2	-603.0	800,153.48	454,837.15	1,367.73	0.
13,300.0	90.00	358.44	12,158.3	8,540.6	1,367.1	-604.3	800,152.12	454,887.13	1,417.62	0.
13,350.0	90.00	358.44	12,158.3	8,540.6	1,417.1	-605.7	800,150.76	454,937.11	1,467.51	0.
13,400.0	90.00	358.44	12,158.3	8,540.6	1,467.1	-607.1	800,149.40	454,987.10	1,517.40	0.
13,450.0	90.00	358.44	12,158.3	8,540.6	1,517.1	-608.4	800,148.04	455,037.08	1,567.29	0.
13,500.0	90.00	358.44	12,158.3	8,540.6	1,567.1	-609.8	800,146.68	455,087.06	1,617.18	0.
13,550.0	90.00	358.44	12,158.3	8,540.6	1,617.1	-611.1	800,145.32	455,137.04	1,667.07	0.
13,600.0	90.00	358.44	12,158.3	8,540.6	1,667.0	-612.5	800,143.95	455,187.02	1,716.96	0.
13,650.0	90.00	358.44	12,158.3	8,540.6	1,717.0	-613.9	800,142.59	455,237.00	1,766.85	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 Unit South 432H
Project:	Bell Lake Unit South 432H	TVD Reference:	WELL @ 3617.7usft (Original Well Elev)
Site:	Bell Lake Unit South 432H	MD Reference:	WELL @ 3617.7usft (Original Well Elev)
Well:	Bell Lake Unit South 432H	North Reference:	Grid
Wellbore:	Bell Lake Unit South 432H	Survey Calculation Method:	Minimum Curvature
Design:	190303 Bell Lake Unit South 432H	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)
13,700.0	90.00	358.44	12,158.3	8,540.6	1,767.0	-615.2	800,141.23	455,286.99	1,816.74	0.00
13,750.0	90.00	358.44	12,158.3	8,540.6	1,817.0	-616.6	800,139.87	455,336.97	1,866.63	0.00
13,800.0	90.00	358.44	12,158.3	8,540.6	1,867.0	-618.0	800,138.51	455,386.95	1,916.52	0.00
13,850.0	90.00	358.44	12,158.3	8,540.6	1,916.9	-619.3	800,137.15	455,436.93	1,966.41	0.00
13,900.0	90.00	358.44	12,158.3	8,540.6	1,966.9	-620.7	800,135.79	455,486.91	2,016.30	0.00
13,950.0	90.00	358.44	12,158.3	8,540.6	2,016.9	-622.0	800,134.43	455,536.89	2,066.19	0.00
14,000.0	90.00	358.44	12,158.3	8,540.6	2,066.9	-623.4	800,133.06	455,586.87	2,116.08	0.00
14,050.0	90.00	358.44	12,158.3	8,540.6	2,116.9	-624.8	800,131.70	455,636.86	2,165.97	0.00
14,100.0	90.00	358.44	12,158.3	8,540.6	2,166.9	-626.1	800,130.34	455,686.84	2,215.86	0.00
14,150.0	90.00	358.44	12,158.3	8,540.6	2,216.8	-627.5	800,128.98	455,736.82	2,265.75	0.00
14,200.0	90.00	358.44	12,158.3	8,540.6	2,266.8	-628.8	800,127.62	455,786.80	2,315.64	0.00
14,250.0	90.00	358.44	12,158.3	8,540.6	2,316.8	-630.2	800,126.26	455,836.78	2,365.53	0.00
14,300.0	90.00	358.44	12,158.3	8,540.6	2,366.8	-631.6	800,124.90	455,886.76	2,415.42	0.00
14,350.0	90.00	358.44	12,158.3	8,540.6	2,416.8	-632.9	800,123.54	455,936.74	2,465.31	0.00
14,400.0	90.00	358.44	12,158.3	8,540.6	2,466.7	-634.3	800,122.18	455,986.73	2,515.20	0.00
14,450.0	90.00	358.44	12,158.3	8,540.6	2,516.7	-635.6	800,120.81	456,036.71	2,565.09	0.00
14,500.0	90.00	358.44	12,158.3	8,540.6	2,566.7	-637.0	800,119.45	456,086.69	2,614.99	0.00
14,550.0	90.00	358.44	12,158.3	8,540.6	2,616.7	-638.4	800,118.09	456,136.67	2,664.88	0.00
14,600.0	90.00	358.44	12,158.3	8,540.6	2,666.7	-639.7	800,116.73	456,186.65	2,714.77	0.00
14,650.0	90.00	358.44	12,158.3	8,540.6	2,716.6	-641.1	800,115.37	456,236.63	2,764.66	0.00
14,700.0	90.00	358.44	12,158.3	8,540.6	2,766.6	-642.5	800,114.01	456,286.61	2,814.55	0.00
14,750.0	90.00	358.44	12,158.3	8,540.6	2,816.6	-643.8	800,112.65	456,336.60	2,864.44	0.00
14,800.0	90.00	358.44	12,158.3	8,540.6	2,866.6	-645.2	800,111.29	456,386.58	2,914.33	0.00
14,850.0	90.00	358.44	12,158.3	8,540.6	2,916.6	-646.5	800,109.92	456,436.56	2,964.22	0.00
14,900.0	90.00	358.44	12,158.3	8,540.6	2,966.6	-647.9	800,108.56	456,486.54	3,014.11	0.00
14,950.0	90.00	358.44	12,158.3	8,540.6	3,016.5	-649.3	800,107.20	456,536.52	3,064.00	0.00
15,000.0	90.00	358.44	12,158.3	8,540.6	3,066.5	-650.6	800,105.84	456,586.50	3,113.89	0.00

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COMPASS 5000.1 Build 56

KASSE PRANCE OF COMPANY

Morcor Engineering Morcor Standard Plan

Kaiser Francis	Local Co-ordinate Reference:	Well Bell Lake Unit South 432H
Bell Lake Unit South 432H	TVD Reference:	WELL @ 3617.7usft (Original Well Elev)
Bell Lake Unit South 432H	MD Reference:	WELL @ 3617.7usft (Original Well Elev)
Bell Lake Unit South 432H	North Reference:	Grid
Bell Lake Unit South 432H	Survey Calculation Method:	Minimum Curvature
190303 Bell Lake Unit South 432H	Database:	EDM 5000.1 Single User Db
	Bell Lake Unit South 432H Bell Lake Unit South 432H Bell Lake Unit South 432H Bell Lake Unit South 432H	Bell Lake Unit South 432HTVD Reference:Bell Lake Unit South 432HMD Reference:Bell Lake Unit South 432HNorth Reference:Bell Lake Unit South 432HSurvey 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)
15,050.0	90.00	358.44	12,158.3	8,540.6	3,116.5	-652.0	800,104.48	456,636.48	3,163.78	0.00
15,100.0	90.00	358.44	12,158.3	8,540.6	3,166.5	-653.3	800,103.12	456,686.47	3,213.67	0.00
15,150.0	90.00	358.44	12,158.3	8,540.6	3,216.5	-654.7	800,101.76	456,736.45	3,263.56	0.00
15,200.0	90.00	358.44	12,158.3	8,540.6	3,266.4	-656.1	800,100.40	456,786.43	3,313.45	0.00
15,250.0	90.00	358.44	12,158.3	8,540.6	3,316.4	-657.4	800,099.04	456,836.41	3,363.34	0.00
15,300.0	90.00	358.44	12,158.3	8,540.6	3,366.4	-658.8	800,097.67	456,886.39	3,413.23	0.00
15,350.0	90.00	358.44	12,158.3	8,540.6	3,416.4	-660.1	800,096.31	456,936.37	3,463.12	0.00
15,400.0	90.00	358.44	12,158.3	8,540.6	3,466.4	-661.5	800,094.95	456,986.36	3,513.01	0.00
15,450.0	90.00	358.44	12,158.3	8,540.6	3,516.4	-662.9	800,093.59	457,036.34	3,562.90	0.00
15,500.0	90.00	358.44	12,158.3	8,540.6	3,566.3	-664.2	800,092.23	457,086.32	3,612.79	0.00
15,550.0	90.00	358.44	12,158.3	8,540.6	3,616.3	-665.6	800,090.87	457,136.30	3,662.68	0.00
15,600.0	90.00	358.44	12,158.3	8,540.6	3,666.3	-667.0	800,089.51	457,186.28	3,712.57	0.00
15,650.0	90.00	358.44	12,158.3	8,540.6	3,716.3	-668.3	800,088.15	457,236.26	3,762.46	0.00
15,700.0	90.00	358.44	12,158.3	8,540.6	3,766.3	-669.7	800,086.78	457,286.24	3,812.35	0.00
15,750.0	90.00	358.44	12,158.3	8,540.6	3,816.2	-671.0	800,085.42	457,336.23	3,862.24	0.00
15,800.0	90.00	358.44	12,158.3	8,540.6	3,866.2	-672.4	800,084.06	457,386.21	3,912.13	0.00
15,850.0	90.00	358.44	12,158.3	8,540.6	3,916.2	-673.8	800,082.70	457,436.19	3,962.02	0.00
15,900.0	90.00	358.44	12,158.3	8,540.6	3,966.2	-675.1	800,081.34	457,486.17	4,011.91	0.00
15,950.0	90.00	358.44	12,158.3	8,540.6	4,016.2	-676.5	800,079.98	457,536.15	4,061.80	0.00
16,000.0	90.00	358.44	12,158.3	8,540.6	4,066.1	-677.8	800,078.62	457,586.13	4,111.69	0.00
16,050.0	90.00	358.44	12,158.3	8,540.6	4,116.1	-679.2	800,077.26	457,636.11	4,161.58	0.00
16,100.0	90.00	358.44	12,158.3	8,540.6	4,166.1	-680.6	800,075.89	457,686.10	4,211.47	0.00
16,150.0	90.00	358.44	12,158.3	8,540.6	4,216.1	-681.9	800,074.53	457,736.08	4,261.36	0.00
16,200.0	90.00	358.44	12,158.3	8,540.6	4,266.1	-683.3	800,073.17	457,786.06	4,311.25	0.00
16,250.0	90.00	358.44	12,158.3	8,540.6	4,316.1	-684.6	800,071.81	457,836.04	4,361.14	0.00
16,300.0	90.00	358.44	12,158.3	8,540.6	4,366.0	-686.0	800,070.45	457,886.02	4,411.03	0.00
16,350.0	90.00	358.44	12,158.3	8,540.6	4,416.0	-687.4	800,069.09	457,936.00	4,460.92	0.00

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COMPASS 5000.1 Build 56

KASSE-PEANES OF COMPANY

Morcor Engineering Morcor Standard Plan

Kaiser Francis	Local Co-ordinate Reference:	Well Bell Lake Unit South 432H
Bell Lake Unit South 432H	TVD Reference:	WELL @ 3617.7usft (Original Well Elev)
Bell Lake Unit South 432H	MD Reference:	WELL @ 3617.7usft (Original Well Elev)
Bell Lake Unit South 432H	North Reference:	Grid
Bell Lake Unit South 432H	Survey Calculation Method:	Minimum Curvature
190303 Bell Lake Unit South 432H	Database:	EDM 5000.1 Single User Db
	Bell Lake Unit South 432H Bell Lake Unit South 432H Bell Lake Unit South 432H Bell Lake Unit South 432H	Bell Lake Unit South 432H TVD Reference: Bell Lake Unit South 432H MD Reference: Bell Lake Unit South 432H North Reference: Bell Lake Unit South 432H Survey Calculation Method:

Planned Survey

DLeg (°/100usft)	V. Sec (usft)	Northing (usft)	Easting (usft)	E/W (usft)	N/S (usft)	TVDSS (usft)	TVD (usft)	Azi (azimuth) (°)	Inc (°)	MD (usft)
(4,510.81	457,985.98	800,067.73	-688.7	4,466.0	8,540.6	12,158.3	358.44	90.00	16,400.0
(4,560.70	458,035.97	800,066.37	-690.1	4,516.0	8,540.6	12,158.3	358.44	90.00	16,450.0
(4,610.59	458,085.95	800,065.01	-691.5	4,566.0	8,540.6	12,158.3	358.44	90.00	16,500.0
(4,660.48	458,135.93	800,063.64	-692.8	4,615.9	8,540.6	12,158.3	358.44	90.00	16,550.0
(4,710.37	458,185.91	800,062.28	-694.2	4,665.9	8,540.6	12,158.3	358.44	90.00	16,600.0
(4,760.26	458,235.89	800,060.92	-695.5	4,715.9	8,540.6	12,158.3	358.44	90.00	16,650.0
(4,810.15	458,285.87	800,059.56	-696.9	4,765.9	8,540.6	12,158.3	358.44	90.00	16,700.0
(4,860.04	458,335.85	800,058.20	-698.3	4,815.9	8,540.6	12,158.3	358.44	90.00	16,750.0
(4,909.93	458,385.84	800,056.84	-699.6	4,865.9	8,540.6	12,158.3	358.44	90.00	16,800.0
(4,959.82	458,435.82	800,055.48	-701.0	4,915.8	8,540.6	12,158.3	358.44	90.00	16,850.0
(5,009.71	458,485.80	800,054.12	-702.3	4,965.8	8,540.6	12,158.3	358.44	90.00	16,900.0
(5,059.60	458,535.78	800,052.75	-703.7	5,015.8	8,540.6	12,158.3	358.44	90.00	16,950.0
(5,109.49	458,585.76	800,051.39	-705.1	5,065.8	8,540.6	12,158.3	358.44	90.00	17,000.0
(5,159.38	458,635.74	800,050.03	-706.4	5,115.8	8,540.6	12,158.3	358.44	90.00	17,050.0
(5,209.27	458,685.73	800,048.67	-707.8	5,165.7	8,540.6	12,158.3	358.44	90.00	17,100.0
(5,259.16	458,735.71	800,047.31	-709.2	5,215.7	8,540.6	12,158.3	358.44	90.00	17,150.0
(5,309.05	458,785.69	800,045.95	-710.5	5,265.7	8,540.6	12,158.3	358.44	90.00	17,200.0
(5,358.94	458,835.67	800,044.59	-711.9	5,315.7	8,540.6	12,158.3	358.44	90.00	17,250.0
(5,408.83	458,885.65	800,043.23	-713.2	5,365.7	8,540.6	12,158.3	358.44	90.00	17,300.0
(5,458.72	458,935.63	800,041.87	-714.6	5,415.6	8,540.6	12,158.3	358.44	90.00	17,350.0
(5,508.61	458,985.61	800,040.50	-716.0	5,465.6	8,540.6	12,158.3	358.44	90.00	17,400.0
(5,558.50	459,035.60	800,039.14	-717.3	5,515.6	8,540.6	12,158.3	358.44	90.00	17,450.0
(5,608.39	459,085.58	800,037.78	-718.7	5,565.6	8,540.6	12,158.3	358.44	90.00	17,500.0
(5,658.28	459,135.56	800,036.42	-720.0	5,615.6	8,540.6	12,158.3	358.44	90.00	17,550.0
(5,708.17	459,185.54	800,035.06	-721.4	5,665.6	8,540.6	12,158.3	358.44	90.00	17,600.0
(5,758.06	459,235.52	800,033.70	-722.8	5,715.5	8,540.6	12,158.3	358.44	90.00	17,650.0
(5,807.95	459,285.50	800,032.34	-724.1	5,765.5	8,540.6	12,158.3	358.44	90.00	17,700.0

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COMPASS 5000.1 Build 56

KAESE PRANCE OF COMPANY

Morcor Engineering Morcor Standard Plan

Company:	Kaiser Francis	Local Co-ordinate Reference:	Well Bell Lake Unit South 432H
Project:	Bell Lake Unit South 432H	TVD Reference:	WELL @ 3617.7usft (Original Well Elev)
Site:	Bell Lake Unit South 432H	MD Reference:	WELL @ 3617.7usft (Original Well Elev)
Well:	Bell Lake Unit South 432H	North Reference:	Grid
Wellbore:	Bell Lake Unit South 432H	Survey Calculation Method:	Minimum Curvature
Design:	190303 Bell Lake Unit South 432H	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)
17,750.0	90.00	358.44	12,158.3	8,540.6	5,815.5	-725.5	800,030.98	459,335.48	5,857.84	0.00
17,800.0	90.00	358.44	12,158.3	8,540.6	5,865.5	-726.8	800,029.61	459,385.47	5,907.73	0.00
17,850.0	90.00	358.44	12,158.3	8,540.6	5,915.5	-728.2	800,028.25	459,435.45	5,957.62	0.00
17,900.0	90.00	358.44	12,158.3	8,540.6	5,965.4	-729.6	800,026.89	459,485.43	6,007.51	0.00
17,950.0	90.00	358.44	12,158.3	8,540.6	6,015.4	-730.9	800,025.53	459,535.41	6,057.40	0.00
18,000.0	90.00	358.44	12,158.3	8,540.6	6,065.4	-732.3	800,024.17	459,585.39	6,107.29	0.00
18,050.0	90.00	358.44	12,158.3	8,540.6	6,115.4	-733.7	800,022.81	459,635.37	6,157.18	0.00
18,100.0	90.00	358.44	12,158.3	8,540.6	6,165.4	-735.0	800,021.45	459,685.35	6,207.07	0.00
18,150.0	90.00	358.44	12,158.3	8,540.6	6,215.4	-736.4	800,020.09	459,735.34	6,256.96	0.00
18,200.0	90.00	358.44	12,158.3	8,540.6	6,265.3	-737.7	800,018.73	459,785.32	6,306.85	0.00
18,250.0	90.00	358.44	12,158.3	8,540.6	6,315.3	-739.1	800,017.36	459,835.30	6,356.74	0.00
18,300.0	90.00	358.44	12,158.3	8,540.6	6,365.3	-740.5	800,016.00	459,885.28	6,406.63	0.00
18,350.0	90.00	358.44	12,158.3	8,540.6	6,415.3	-741.8	800,014.64	459,935.26	6,456.52	0.00
18,400.0	90.00	358.44	12,158.3	8,540.6	6,465.3	-743.2	800,013.28	459,985.24	6,506.41	0.00
18,450.0	90.00	358.44	12,158.3	8,540.6	6,515.2	-744.5	800,011.92	460,035.22	6,556.30	0.00
18,500.0	90.00	358.44	12,158.3	8,540.6	6,565.2	-745.9	800,010.56	460,085.21	6,606.19	0.00
18,550.0	90.00	358.44	12,158.3	8,540.6	6,615.2	-747.3	800,009.20	460,135.19	6,656.08	0.00
18,600.0	90.00	358.44	12,158.3	8,540.6	6,665.2	-748.6	800,007.84	460,185.17	6,705.97	0.00
18,650.0	90.00	358.44	12,158.3	8,540.6	6,715.2	-750.0	800,006.47	460,235.15	6,755.86	0.00
18,700.0	90.00	358.44	12,158.3	8,540.6	6,765.1	-751.3	800,005.11	460,285.13	6,805.75	0.00
18,750.0	90.00	358.44	12,158.3	8,540.6	6,815.1	-752.7	800,003.75	460,335.11	6,855.64	0.00
18,800.0	90.00	358.44	12,158.3	8,540.6	6,865.1	-754.1	800,002.39	460,385.10	6,905.53	0.00
18,850.0	90.00	358.44	12,158.3	8,540.6	6,915.1	-755.4	800,001.03	460,435.08	6,955.42	0.00
18,900.0	90.00	358.44	12,158.3	8,540.6	6,965.1	-756.8	799,999.67	460,485.06	7,005.31	0.00
18,950.0	90.00	358.44	12,158.3	8,540.6	7,015.1	-758.2	799,998.31	460,535.04	7,055.20	0.00
19,000.0	90.00	358.44	12,158.3	8,540.6	7,065.0	-759.5	799,996.95	460,585.02	7,105.09	0.00
19,050.0	90.00	358.44	12,158.3	8,540.6	7,115.0	-760.9	799,995.58	460,635.00	7,154.98	0.00

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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 Unit South 432H
Project:	Bell Lake Unit South 432H	TVD Reference:	WELL @ 3617.7usft (Original Well Elev)
Site:	Bell Lake Unit South 432H	MD Reference:	WELL @ 3617.7usft (Original Well Elev)
Well:	Bell Lake Unit South 432H	North Reference:	Grid
Wellbore:	Bell Lake Unit South 432H	Survey Calculation Method:	Minimum Curvature
Design:	190303 Bell Lake Unit South 432H	Database:	EDM 5000.1 Single User Db
Wellbore:	Bell Lake Unit South 432H	Survey Calculation Method:	Grid Minimum Curvature

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)
19,100.0	90.00	358.44	12,158.3	8,540.6	7,165.0	-762.2	799,994.22	460,684.98	7,204.87	0.00
19,150.0	90.00	358.44	12,158.3	8,540.6	7,215.0	-763.6	799,992.86	460,734.97	7,254.76	0.00
19,200.0	90.00	358.44	12,158.3	8,540.6	7,265.0	-765.0	799,991.50	460,784.95	7,304.65	0.00
19,250.0	90.00	358.44	12,158.3	8,540.6	7,314.9	-766.3	799,990.14	460,834.93	7,354.54	0.00
19,300.0	90.00	358.44	12,158.3	8,540.6	7,364.9	-767.7	799,988.78	460,884.91	7,404.43	0.00
19,350.0	90.00	358.44	12,158.3	8,540.6	7,414.9	-769.0	799,987.42	460,934.89	7,454.32	0.00
19,400.0	90.00	358.44	12,158.3	8,540.6	7,464.9	-770.4	799,986.06	460,984.87	7,504.21	0.00
19,450.0	90.00	358.44	12,158.3	8,540.6	7,514.9	-771.8	799,984.70	461,034.85	7,554.10	0.00
19,500.0	90.00	358.44	12,158.3	8,540.6	7,564.9	-773.1	799,983.33	461,084.84	7,603.99	0.00
19,550.0	90.00	358.44	12,158.3	8,540.6	7,614.8	-774.5	799,981.97	461,134.82	7,653.88	0.00
19,600.0	90.00	358.44	12,158.3	8,540.6	7,664.8	-775.8	799,980.61	461,184.80	7,703.77	0.00
19,650.0	90.00	358.44	12,158.3	8,540.6	7,714.8	-777.2	799,979.25	461,234.78	7,753.66	0.00
19,700.0	90.00	358.44	12,158.3	8,540.6	7,764.8	-778.6	799,977.89	461,284.76	7,803.55	0.00
19,750.0	90.00	358.44	12,158.3	8,540.6	7,814.8	-779.9	799,976.53	461,334.74	7,853.44	0.00
19,800.0	90.00	358.44	12,158.3	8,540.6	7,864.7	-781.3	799,975.17	461,384.72	7,903.33	0.00
19,850.0	90.00	358.44	12,158.3	8,540.6	7,914.7	-782.7	799,973.81	461,434.71	7,953.22	0.00
19,900.0	90.00	358.44	12,158.3	8,540.6	7,964.7	-784.0	799,972.44	461,484.69	8,003.11	0.00
19,950.0	90.00	358.44	12,158.3	8,540.6	8,014.7	-785.4	799,971.08	461,534.67	8,053.00	0.00
20,000.0	90.00	358.44	12,158.3	8,540.6	8,064.7	-786.7	799,969.72	461,584.65	8,102.89	0.00
20,050.0	90.00	358.44	12,158.3	8,540.6	8,114.6	-788.1	799,968.36	461,634.63	8,152.78	0.00
20,100.0	90.00	358.44	12,158.3	8,540.6	8,164.6	-789.5	799,967.00	461,684.61	8,202.67	0.00
20,150.0	90.00	358.44	12,158.3	8,540.6	8,214.6	-790.8	799,965.64	461,734.59	8,252.56	0.00
20,200.0	90.00	358.44	12,158.3	8,540.6	8,264.6	-792.2	799,964.28	461,784.58	8,302.45	0.00
20,250.0	90.00	358.44	12,158.3	8,540.6	8,314.6	-793.5	799,962.92	461,834.56	8,352.34	0.00
20,300.0	90.00	358.44	12,158.3	8,540.6	8,364.6	-794.9	799,961.56	461,884.54	8,402.23	0.00
20,350.0	90.00	358.44	12,158.3	8,540.6	8,414.5	-796.3	799,960.19	461,934.52	8,452.12	0.00
20,400.0	90.00	358.44	12,158.3	8,540.6	8,464.5	-797.6	799,958.83	461,984.50	8,502.01	0.00

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COMPASS 5000.1 Build 56

EASER-PEANCES OF COMPANY

Morcor Engineering Morcor Standard Plan

Company:	Kaiser Francis	Local Co-ordinate Reference:	Well Bell Lake Unit South 432H
Project:	Bell Lake Unit South 432H	TVD Reference:	WELL @ 3617.7usft (Original Well Elev)
Site:	Bell Lake Unit South 432H	MD Reference:	WELL @ 3617.7usft (Original Well Elev)
Well:	Bell Lake Unit South 432H	North Reference:	Grid
Wellbore:	Bell Lake Unit South 432H	Survey Calculation Method:	Minimum Curvature
Design:	190303 Bell Lake Unit South 432H	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)
20,450.0	90.00	358.44	12,158.3	8,540.6	8,514.5	-799.0	799,957.47	462,034.48	8,551.90	0.00
20,452.0	90.00	358.44	12,158.3	8,540.6	8,516.5	-799.0	799,957.42	462,036.48	8,553.90	0.00
TD at 20452.0 -	5 1/2" Production	Casing								

Casing Points					
	Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")
	5,247.0	5,247.0	9 5/8" Intermediate Casing	9-5/8	12-1/4
	1,447.0	1,447.0	13 3/8" Surface Casing	13-3/8	17-1/2
	20,452.0	12,158.3	5 1/2" Production Casing	5-1/2	8-3/4
	120.0	120.0	20" Conductor	20	26

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COMPASS 5000.1 Build 56

Morcor Engineering Morcor Standard Plan

Company:	Kaiser Francis	Local Co-ordinate Reference:	Well Bell Lake Unit South 432H
Project:	Bell Lake Unit South 432H	TVD Reference:	WELL @ 3617.7usft (Original Well Elev)
Site:	Bell Lake Unit South 432H	MD Reference:	WELL @ 3617.7usft (Original Well Elev)
Well:	Bell Lake Unit South 432H	North Reference:	Grid
Wellbore:	Bell Lake Unit South 432H	Survey Calculation Method:	Minimum Curvature
Design:	190303 Bell Lake Unit South 432H	Database:	EDM 5000.1 Single User Db

Formations

KASSER-PRANCES OF COMPANY

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
6,274.6	6,272.0	Cherry Canyon		0.00		
11,682.8	11,652.0	3rd Bone Spring Sand		0.00		
7,757.7	7,747.0	Brushy Canyon		0.00		
10,683.8	10,657.0	2nd Bone Spring Sand		0.00		
1,847.0	1,847.0	Salado		0.00		
2,022.0	2,022.0	Top of Salt		0.00		
8,904.0	8,887.0	Bone Spring		0.00		
1,422.0	1,422.0	Rustler		0.00		
5,422.0	5,422.0	Bell Canyon		0.00		
5,222.0	5,222.0	Lamar Lime		0.00		
12,020.5	11,957.0	Wolfcamp		0.00		
5,022.0	5,022.0	Base of Salt		0.00		
10,145.8	10,122.0	1st Bone Spring Sand		0.00		
9,097.1	9,079.0	Avalon		0.00		
11,201.6	11,172.0	3rd Bone Spring Lime		0.00		

Plan Annotations

Measured	Vertical	Local Coord	dinates	
Depth	Depth	+N/-S	+E/-W	
(usft)	(usft)	(usft)	(usft)	Comment
5,666.0	5,666.0	0.0	0.0	Start Build 3.00
5,866.0	5,865.6	0.2	-10.5	Start 5470.0 hold at 5866.0 MD
11,336.0	11,305.7	10.2	-582.1	Start Drop -3.00
11,536.0	11,505.3	10.3	-592.6	Start 80.0 hold at 11536.0 MD
11,616.0	11,585.3	10.3	-592.6	Start Build 10.00
12,516.0	12,158.3	583.3	-592.6	Start 303.0 hold at 12516.0 MD
12,819.0	12,158.3	886.3	-592.6	Start Turn -1.56
12,919.0	12,158.3	986.3	-594.0	Start 7533.0 hold at 12919.0 MD
20,452.0	12,158.3	8,516.5	-799.0	TD at 20452.0

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COMPASS 5000.1 Build 56

Morcor Engineering Morcor Standard Plan

Checked By:		Approved By:		Date:
Design:	190303 Bell Lake Unit South 432H		Database:	EDM 5000.1 Single User Db
Wellbore:	Bell Lake Unit South 432H		Survey Calculation Method:	Minimum Curvature
Well:	Bell Lake Unit South 432H		North Reference:	Grid
Site:	Bell Lake Unit South 432H		MD Reference:	WELL @ 3617.7usft (Original Well Elev)
Project:	Bell Lake Unit South 432H		TVD Reference:	WELL @ 3617.7usft (Original Well Elev)
Company:	Kaiser Francis		Local Co-ordinate Reference:	Well Bell Lake Unit South 432H

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EASER-PEANES OF COMPANY

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COMPASS 5000.1 Build 56

District I 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy, Minerals and Natural Resources Department

Submit Original to Appropriate District Office

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

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

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

Well Name	API	Well Location (ULSTR)	Footages	Expected MCF/D	Flared or Vented	Comments
Bell Lake Unit South 232H		5-24S-34E		<mark>2000</mark>	0	
Bell Lake Unit South 233H		5-24S-34E		<mark>2000</mark>	0	
Bell Lake Unit South 332H		5-24S-34E		<mark>2000</mark>	0	
Bell Lake Unit South 333H		5-24S-34E		<mark>2000</mark>	0	
Bell Lake Unit South 432H		5-24S-34E		<mark>2000</mark>	0	
Bell Lake Unit South 433H		5-24S-34E		<mark>2000</mark>	0	

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>195</u>, Rng. <u>36E</u>, <u>Lea</u> County, 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
 - Plants are expensive, residue gas is still flared, and uneconomical to operate when gas volume declines

Digtrict I 1625 N. French Dr., Hobbs, NM \$\$240 Phone: (575) 303-6161 Fax: (575) 393-0720 District II St11 S. First Sr., Artesia, NM \$\$210 Phone: (575) 748-12\$3 Fax: (575) 748-9720 District III 1000 Rio Brazos Road, Aztec, NM \$7410 Phone: (50) 334-6178 Fax: (505) 334-6170 District IV 1220 S. St. Francis Dr., Santa Fe, NM \$7505	State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, NM 87505	Form C-102 Revised August 1, 2011 Submit one copy to appropriate District Office
Phone: (505) 476-3460 Fax: (505) 476-3462		

-			WELL LO	OCATION	N AND ACR	REAGE DEDIC	CATION PL	AT				
1 A	PI Number	r		² Pool Code								
30-025-4	48262			98266	6 Bell Lake; Wolfcamp, South							
⁴ Property C	Code				⁵ Property	Name			⁶ Well Number			
316706				Bl	ELL LAKE U	NIT SOUTH			432H			
'OGRID N	lo.			· · · · · · · · · · · · · · · · · · ·	⁸ Operator	Name			⁹ Elevation			
12361				KA	ISER-FRANC	CIS OIL CO.			3595.7			
					Surface	Location						
UL or lot no.	Section	Townsh	ip Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	e County			
К	5	24 S	34 E		1712	SOUTH	1945	WEST	LEA			
			"B	ottom Ho	ole Location	If Different Fr	om Surface					
UL or lot no.	Section	Townsh	ip Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	e County			
D	32	23 S	34 E		330	WEST	LEA					
12 Dedicated Acres	s ¹³ Joint	or Infill	¹⁴ Consolidatio	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.

	N89'36'56"E 2645.19 FI N89'34'11"E 2634.35 FT	NE 000000 050 70	" OPERATOR CERTIFICATION
NW CORNER SEC. 32 LAT. = 32.2683519'N		NE CORNER SEC. 32 1.AT. = 32.2683413'N	I hereby certify that the information contained herein is true and complete to the
LONG. = 103,5005984'W E NMSP EAST (FT) g	L(. \G. = 103.4920425 W	, LONG. = 103.4835217'₩ β NMSP EAST (FT)	best of my knowledge and belief, and that this organization either owns a
N = 462358.11 g	BHL 7] NMSP EAST (FT) N = 462375.86	R = 462395.63 R = 804003.04	working interest or unleased mineral interest in the land including the proposed
E = 798724.66 👸		≈ E = 804003.04	bottom hole location or has a right to drill this well at this location pursuant to
	4	22022	a contract with an owner of such a mineral or working interest, or to a
W/4 CORNER SEC. 32	BOT IOM OF HOLE LAT. = 32.2674415'N	5 E/4 CORNER SEC. 32	voluntary pooling agreement or a computory pooling order heretofore entered
LAT. = 32.2610941'N	LON . = 103.4966184'W	LAT. = 32.2610848'N	by the division.
LONG. = 103.5005861'W NMSP EAST (FI)		LONG. = 103.4835095'W NMSP EAST (FT)	Stormi Davis 3/29/19
N = 459717.74 E = 798748,94	E = 799957.43	N = 459755.71	Signature Date
		E = 804027.70	
2641.09	Np1'32'17"W 7533.87 FT	2606.91	Stormi Davis
		346	Printed Name
W.62,02.00N		S00.08117E	ssdavis104@gmail.com
DON		S	E-mail Address
	N89'33'36"E 2640.66 FT N88'52'07"E 2622.56 FT	NE CORNER SEC. 5	
NW CORNER SEC. 5 LAT. = 32.2538360'N	N/4 CORNER SEC. 5 L L 4 LAT. = 32.2538352"N L 1	LAT. = 32.2539207'N	¹⁸ SURVEYOR CERTIFICATION
LONG. = 103.5005766 W	LONG = 103.4920367 W	는 LONG. = 103.4835560™ ♀ NMSP EAST (FT)	I hereby certify that the well location shown on this plat was
NMSP EAST (FI) N = 457077.27 F = 798772.36	N /SP EAST (FT) N = 457097.54	N = 457149.32 E = 804033.96	
	=	м N с = 001033.00	plotted from field notes of actual surveys made by me or under
W/4 CORNER SEC. 5		6.31	my supervision, and that the same is true and correct to the
W/4 CORNER SEC. 5	BELL LAKE UNIT SOUTH 432H	S E/4 CORNER SEC. 5	hest of my belief.
LAT. = 32.2466023'N	-FTP LAT. = 32.2440160'N (NAD83) LONG. = 103.4942489'W	LAT. = 32.2465905'N LONG. = 103.4834825'W	DECEMBER 18-2018 JARAM
LONG. = 103.5005464'W NMSP EAST (FT)	NMSP EAST (FT)	NMSP EAST (FT)	
N = 454445.73 E = 798802.12	N33'49'10"W N = 453519.98 1067.70 FT E = 800756.46	N = 454482.78	Date of SurveO
E = 130002.12		2640.40	I I A A A A A A
264	FIRST TAKE POINT SHL	264	
SW CORNER SEC. 5 ₹	2600 FNL, 1360 FWL S/4 CORNER SEC. 5	LAT. = 32.2393344'N	VAIL CATTOM/X/ZXVV
10NG. = 103.5005242 W 53	LONG. = 103.4981482 W LONG = 103.4919593 W	· LONG. = 103.4834649 W	Vignature and Sear of Professional Surveyor
	N = 454406.80	NMSP EAST (FT) N = 451843.03	Certificate Numbers FILIMON P. JARAMILLO, PLS 12797
E = 798829.47	E = 800162.30 $N = 451809.38E = 801477.80$	E = 804104.13	PROFESSI SURVEY NO. 6767
	S89'54'46'W 2648.86 FT S89'15'57'W 2627.07 FT		

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 232H 5-24S-34E 2000 0 Bell Lake Unit South 233H 5-24S-34E 2000 0 Bell Lake Unit South 332H 5-24S-34E 2000 0 Bell Lake Unit South 333H 5-24S-34E 0 2000 Bell Lake Unit South 432H 5-24S-34E 30-025-48262 2000 0 Bell Lake Unit South 433H 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>195</u>, Rng. <u>36E</u>, <u>Lea</u> County, 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: 432H

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Pressure Rating (PSI): 10M

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. **Reguesting 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_432H__Choke_Manifold_20200109083944.pdf

BOP Diagram Attachment:

BLUS_432H__BOP_20190403143703.pdf

Cactus_Flex_Hose_16C_Certification_20200109084118.pdf

Well_Control_Plan_20200109084127.pdf

Section 3 - Casing

BLUS 432H Wellhead Diagram 20200109084547.pdf

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	14.7 5	10.75	NEW	API	N	0	1350	0	1350			1350	J-55	40.5	ST&C	2.5	5	DRY	7.7	DRY	11.5
2	INTERMED IATE	9.87 5	7.625	NEW	API	N	0	11376	0	11376			11376	HCP -110	29.7	LT&C	1.3	1.8	DRY	2.3	DRY	2.8
3	PRODUCTI ON	6.75	5.5	NEW	API	N	0	20452	0	12158			20452	P- 110	10000	OTHER - USS Eagle	1.7	1.9	DRY	2.6	DRY	3

Casing Attachments

Operator Name: KAISER FRANCIS OIL COMPANY

Well Name: BELL LAKE UNIT SOUTH

Well Number: 432H

Casing Attachments

Casing ID: 1 String Type: SURFACE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

BLUS_432H_Casing_Assumptions_20190403144112.pdf

Casing ID: 2 String Type: INTERMEDIATE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

BLUS_432H_Casing_Assumptions_20190403144302.pdf

Casing ID: 3 String Type: PRODUCTION

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

5.5_x_20_P110_HP_USS_EAGLE_SFH_Performance_Sheet_20190403144439.pdf

BLUS_432H_Casing_Assumptions_20190403144440.pdf

Section 4 - Cement

Well Name: BELL LAKE UNIT SOUTH

Well Number: 432H

	String Type	Lead/Tail	Stage Tool Depth	Top MD	Bottom MD	Quantity(sx)	Yield	Density	Cu Ft	Excess%	Cement type	Additives
N.	SURFACE	Lead		0	1350	590	1.34	14.8	788	50	Premium C	Accelerator

INTERMEDIATE	Lead	0	1137 6	1037	2.45	12	2537	25	Class H	Extender
INTERMEDIATE	Tail	0	1137 6	391	1.34	14.8	522	25	Class H	Accelerator
PRODUCTION	Lead	1100 0	2045 2	500	1.91	13.2	954	15	Class H	Retarder

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 more 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

						-	a				
Top Depth	Bottom Depth	Mud Type	Min Weight (Ibs/gal)	Max Weight (Ibs/gal)	Density (lbs/cu ft)	Gel Strength (lbs/100 sqft)	Н	Viscosity (CP)	Salinity (ppm)	Filtration (cc)	Additional Characteristics
1137 6	1215 8	OIL-BASED MUD	10	12							
1350	1137 6	OTHER : Diesel Brine Emulsion	8.7	9							
0	1350	OTHER : Fresh Water	8.4	9							

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	KAISER-FRANCIS OIL COMPANY	P.O. BOX 21468	TULSA, OKLAHOMA 74121-1468
102040000000000000000000000000000000000			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 432H SHL Sec. 5-24S-34E 1712' FSL & 1945' FWL Lea Co., NM

Charlotte Van Valkenburg Mgr., Regulatory Compliance Kaiser-Francis Oil Company District I 1625 N. French Dr., Hobbs, NM 88240

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

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

Phone:(505) 334-6178 Fax:(505) 334-6170

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

District III 1000 Rio Brazos Rd., Aztec, NM 87410

District IV

CONDITIONS

Action 12309

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	12309	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, is shall immediately set in cement the water protection string	he operator shall drill with	out interruption through t	he fresh water zone or zones and