

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTNMOCD
Hobbs
HOBBS OCD
DEC 13 2019
RECEIVEDFORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other		5. Lease Serial No. NMLC061374A	
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resv.		6. If Indian, Allottee or Tribe Name	
Other _____		7. Unit or CA Agreement Name and No.	
2. Name of Operator KAISER-FRANCIS OIL COMPANY E-Mail: Charlotv@kfoc.net		8. Lease Name and Well No. BELL LAKE UNIT SOUTH 112H	
3. Address P. O. BOX 21468 TULSA, OK 74121		9. API Well No. 30-025-45858	
3a. Phone No. (include area code) Ph: 918-491-4314		10. Field and Pool, or Exploratory BELL LAKE BONE SPRG SOUTH	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface SENE 2276FNL 247FEL At top prod interval reported below NESE 2514FSL 217FEL At total depth SESE 330FSL 530FEL		11. Sec., T., R., M., or Block and Survey or Area Sec 6 T24S R34E Mer	
14. Date Spudded 05/14/2019		15. Date T.D. Reached 06/01/2019	
16. Date Completed ☐ D & A ☒ Ready to Prod. 07/31/2019		17. Elevations (DF, KB, RT, GL)* 3597 GL	
18. Total Depth: MD 18128 TVD 10190		19. Plug Back T.D.: MD 18081 TVD 10190	
20. Depth Bridge Plug Set: MD TVD		21. Type Electric & Other Mechanical Logs Run (Submit copy of each) NONE	
22. Was well cored? ☒ No ☐ Yes (Submit analysis) Was DST run? ☒ No ☐ Yes (Submit analysis) Directional Survey? ☐ No ☒ Yes (Submit analysis)			

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.375 J55	54.5	0	1345		1145	333	0	0
12.250	9.625 P110	40.0	0	5107		1255	476	0	0
8.500	5.500 P110	20.0	0	18110		2750	926	3400	0

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING	10425	18030	10425 TO 18030	0.420	2076	OPEN
B)						
C)						
D)						

26. Perforation Record

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
10425 TO 18030	425032 BBLS FLUID AND 18060470 LBS SAND

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
08/04/2019	08/26/2019	24	→	356.0	535.0	3194.0	43.0	0.7	FEEDS FROM WELL
Choke Size	Tbg. Press. Flwg. SI	Csg. Press. 1080.0	24 Hr. Rate →	Oil BBL 356	Gas MCF 535	Water BBL 3194	Gas:Oil Ratio 1503	Well Status PDW	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #480831 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **

Reclamation due: 02/04/2020

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

29. Disposition of Gas(Sold, used for fuel, vented, etc.)
SOLD

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
DELAWARE UPPER AVALON 1ST BONE SPRING SAND	5130 8718 9700			DELAWARE UPPER AVALON 1ST BONE SPRING SAND	5130 8718 9700

32. Additional remarks (include plugging procedure):

33. Circle enclosed attachments:

- | | | | |
|---|--------------------|---------------|-----------------------|
| 1. Electrical/Mechanical Logs (1 full set req'd.) | 2. Geologic Report | 3. DST Report | 4. Directional Survey |
| 5. Sundry Notice for plugging and cement verification | 6. Core Analysis | 7 Other: | |

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

Electronic Submission #480831 Verified by the BLM Well Information System.
For KAISER-FRANCIS OIL COMPANY, sent to the Hobbs
Committed to AFMSS for processing by JENNIFER SANCHEZ on 11/14/2019 0

Name (please print) CHARLOTTE VAN VALKENBURG

Title MGR., REGULATORY COMPLIANCE

Signature _____ (Electronic Submission)

Date 08/29/2019

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ****

0720
720
0
170
305
462

Energy
OIL
AUG 26 2019
RECEIVED
WELL LOCATI

Energy, Minerals & Natural Resources Department

1220 South St. Francis Dr.

Santa Fe, NM 87505

Revised August 1, 2011

Submit one copy to appropriate

District Office

☒ AMENDED REPORT
As-Drilled

WELL LOCATION AND ACREAGE DEDICATION PLAT

'API Number 30-025-45808	'Pool Code 98259	'Pool Name Ojo Chiso; Bone Spring, SW
'Property Code 316706	'Property Name BELL LAKE UNIT SOUTH	'Well Number 112H
'OGRID No. 12361	'Operator Name KAISER-FRANCIS OIL CO.	'Elevation 3597.2

▪ Surface Location

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
H	6	24 S	34 E	H	2276	NORTH	247	EAST	LEA

Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	7	24 S	34 E	P	330	SOUTH	530	EAST	LEA

" Dedicated Acres	" Joint or Infill	" Consolidation Code	" Order No.
240		-	--

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.

[illegible]

Intent ☐ As Drilled ☒

HOBBS OCD
AUG 26 2019
RECEIVED

API #
30-025-45898

Operator Name: KAISER-FRANCIS OIL CO.	Property Name: BELL LAKE UNIT SOUTH	Well Number 112H
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Kick Off Point (KOP)

UL H	Section 6	Township 24S	Range 34E	Lot	Feet 2107	From N/S NORTH	Feet 208	From E/W EAST	County LEA
Latitude 32.2480443					Longitude 103.5012264			NAD 83	

First Take Point (FTP)

UL I	Section 6	Township 24S	Range 34E	Lot	Feet 2514	From N/S SOUTH	Feet 217	From E/W EAST	County LEA
Latitude 32.2462541					Longitude 103.5012482			NAD 83	

Last Take Point (LTP)

UL P	Section 7	Township 24S	Range 34E	Lot	Feet 197	From N/S SOUTH	Feet 214	From E/W EAST	County LEA
Latitude 32.2253732					Longitude 103.5011884			NAD 83	

Is this well the defining well for the Horizontal Spacing Unit?

☒

Is this well an infill well?

☐

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

API #		
Operator Name:	Property Name:	Well Number

KZ 06/29/2018



7821 Will Rogers Blvd.
Fort Worth, Texas 76140
817.568.1038 (office)
817.568.1499 (fax)
www.msdir.com

MS Directional Survey Data Certification

MS Directional Job Number: MSMO-65025
Survey Type: MWD
Operating Company: Kaiser-Francis Oil Company
Well Name & Number: Bell Lake Unit South #112H
Location: Eddy County, NM
API Number: 30-025-45858
Tie In Depth: 1,340' MD
Surveyed Depths: 1,452' – 18,068' MD
Projected TD Survey: 18,128' MD
Dates Performed: 05/14/2019 – 05/31/2019

I certify that the data is true, correct and complete and within the limitations of the tool set forth by MS Directional; that I am authorized and qualified to make this report and that I have reviewed this report and find it conforms to the principles and procedures as set forth by MS Directional.

Digitally signed by:

MWD Surveyor Name: Dereck Scott

Date: 06-24-2019

Email: Dereck.Scott@msdir.com

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Company:		Kaiser-Francis Oil Company												
Well Name:		Bell Lake Unit South #112H												
Location:		Eddy County, NM												
Rig:		Cactus #171					Magnetic Declination:		6.21		REFERENCED TO GRID NORTH			
Job Number:		MSMO-65025												
API #:		30-025-45858												
Vertical Section Azimuth:					179.11					Proposed Direction:		179.11		
Survey Calculation Method:					Minimum Curvature									
PTB:	MD		INC		AZM		TVD		N/S		E/W		VS	
	18,128		93.3		178.2		10186.22		-8175.49		115.16		8176.3	
#	Depth Feet	Inc Degrees	Azm Degrees	TVD Feet	N/S Feet	E/W Feet	Surface Vert Sec	Closure Distance		Azm	DLS/ 100	BUR/ 100'		
TIE IN	1,340	0.30	313.00	1339.91	5.35	6.57		8.47		50.84				
1	1,452	0.30	22.00	1451.91	5.82	6.47	-5.72	8.70		48.00	0.30	0.00		
2	1,545	0.70	331.90	1544.91	6.55	6.29	-6.45	9.08		43.84	0.60	0.43		
3	1,639	0.70	20.20	1638.90	7.59	6.22	-7.50	9.81		39.31	0.61	0.00		
4	1,733	0.60	21.90	1732.89	8.59	6.60	-8.49	10.83		37.53	0.11	-0.11		
5	1,827	0.20	342.60	1826.89	9.20	6.73	-9.10	11.40		36.19	0.49	-0.43		
6	1,921	0.70	12.50	1920.89	9.92	6.81	-9.81	12.03		34.46	0.57	0.53		
7	2,016	0.50	21.00	2015.88	10.87	7.08	-10.76	12.98		33.08	0.23	-0.21		
8	2,111	0.80	324.80	2110.88	11.80	6.85	-11.69	13.65		30.13	0.70	0.32		
9	2,206	0.40	340.40	2205.87	12.66	6.36	-12.56	14.16		26.66	0.45	-0.42		
10	2,300	0.90	330.50	2299.87	13.61	5.88	-13.52	14.83		23.37	0.54	0.53		
11	2,395	0.90	346.20	2394.85	14.98	5.34	-14.90	15.90		19.60	0.26	0.00		
12	2,489	0.90	332.40	2488.84	16.35	4.82	-16.28	17.05		16.42	0.23	0.00		
13	2,583	0.90	332.10	2582.83	17.66	4.13	-17.59	18.14		13.16	0.01	0.00		
14	2,677	0.30	303.70	2676.83	18.45	3.58	-18.39	18.79		10.98	0.69	-0.64		
15	2,772	0.80	325.50	2771.82	19.13	3.00	-19.08	19.37		8.90	0.56	0.53		
16	2,866	0.80	336.20	2865.81	20.28	2.36	-20.24	20.41		6.64	0.16	0.00		
17	2,960	0.50	310.50	2959.81	21.14	1.78	-21.11	21.22		4.83	0.44	-0.32		
18	3,055	0.70	359.40	3054.80	21.99	1.46	-21.97	22.04		3.81	0.56	0.21		
19	3,149	0.80	331.60	3148.79	23.14	1.15	-23.12	23.17		2.83	0.40	0.11		
20	3,243	0.80	334.70	3242.78	24.31	0.55	-24.30	24.32		1.30	0.05	0.00		
21	3,338	0.40	319.90	3337.78	25.17	0.06	-25.16	25.17		0.13	0.45	-0.42		
22	3,433	0.30	14.00	3432.78	25.66	-0.10	-25.66	25.66		359.78	0.35	-0.11		
23	3,528	0.40	312.00	3527.78	26.12	-0.28	-26.13	26.13		359.38	0.39	0.11		
24	3,622	0.70	359.00	3621.77	26.92	-0.54	-26.92	26.92		358.86	0.55	0.32		
25	3,716	0.60	358.70	3715.77	27.98	-0.56	-27.99	27.99		358.86	0.11	-0.11		
26	3,810	0.70	32.80	3809.76	28.96	-0.26	-28.96	28.96		359.49	0.42	0.11		
27	3,905	0.10	74.10	3904.76	29.47	0.14	-29.46	29.47		0.26	0.66	-0.63		
28	4,000	1.80	30.10	3999.74	30.78	0.96	-30.76	30.80		1.79	1.82	1.79		
29	4,094	3.40	29.40	4093.64	34.49	3.07	-34.44	34.63		5.09	1.70	1.70		
30	4,188	4.30	41.80	4187.43	39.54	6.79	-39.43	40.12		9.74	1.30	0.96		
31	4,282	4.70	47.70	4281.14	44.76	11.99	-44.57	46.34		14.99	0.65	0.43		
32	4,376	4.40	55.80	4374.84	49.38	17.82	-49.10	52.50		19.84	0.75	-0.32		
33	4,470	4.40	55.00	4468.57	53.48	23.75	-53.10	58.52		23.95	0.07	0.00		

Company:		Kaiser-Francis Oil Company												
Well Name:		Bell Lake Unit South #112H												
Location:		Eddy County, NM												
Rig:		Cactus #171					Magnetic Declination:		6.21		REFERENCED TO GRID NORTH ▼			
Job Number:		MSMO-65025												
API #:		30-025-45858												
Vertical Section Azimuth:			179.11			Proposed Direction:		179.11						
Survey Calculation Method:			Minimum Curvature											
PTB:	MD		INC		AZM		TVD		N/S		E/W		VS	
	18,128		93.3		178.2		10186.22		-8175.49		115.16		8176.3	
#	Depth Feet	Inc Degrees	Azm Degrees	TVD Feet	N/S Feet	E/W Feet	Surface Vert Sec	Closure Distance Azm		DLS/ 100	BUR/ 100'			
34	4,564	4.20	61.90	4562.30	57.17	29.74	-56.70	64.44	27.49	0.59	-0.21			
35	4,659	4.50	64.00	4657.03	60.44	36.16	-59.87	70.43	30.89	0.36	0.32			
36	4,753	4.50	53.70	4750.74	64.24	42.45	-63.57	77.00	33.46	0.86	0.00			
37	4,848	4.10	29.40	4845.48	69.40	47.12	-68.66	83.89	34.17	1.95	-0.42			
38	4,942	4.00	14.20	4939.25	75.51	49.57	-74.73	90.33	33.29	1.14	-0.11			
39	5,036	3.90	21.50	5033.03	81.66	51.55	-80.85	96.57	32.26	0.55	-0.11			
40	5,065	3.80	21.20	5061.96	83.48	52.26	-82.66	98.49	32.05	0.35	-0.34			
41	5,133	3.50	8.60	5129.82	87.63	53.38	-86.79	102.61	31.35	1.26	-0.44			
42	5,228	5.20	6.30	5224.55	94.78	54.29	-93.92	109.22	29.80	1.80	1.79			
43	5,323	5.20	8.20	5319.16	103.32	55.38	-102.44	117.22	28.19	0.18	0.00			
44	5,417	5.20	6.70	5412.77	111.76	56.48	-110.87	125.22	26.81	0.14	0.00			
45	5,511	5.30	5.40	5506.38	120.32	57.39	-119.41	133.30	25.50	0.17	0.11			
46	5,605	5.10	4.70	5599.99	128.80	58.14	-127.88	141.32	24.29	0.22	-0.21			
47	5,699	5.00	3.40	5693.62	137.06	58.72	-136.13	149.11	23.19	0.16	-0.11			
48	5,794	5.30	359.70	5788.24	145.58	58.94	-144.64	157.06	22.04	0.47	0.32			
49	5,889	4.70	357.30	5882.88	153.85	58.74	-152.92	164.68	20.90	0.67	-0.63			
50	5,983	4.50	354.10	5976.58	161.37	58.18	-160.44	171.53	19.83	0.35	-0.21			
51	6,077	4.00	352.90	6070.32	168.29	57.39	-167.38	177.81	18.83	0.54	-0.53			
52	6,172	3.80	353.60	6165.10	174.70	56.63	-173.80	183.65	17.96	0.22	-0.21			
53	6,266	3.60	352.40	6258.90	180.72	55.90	-179.83	189.17	17.19	0.23	-0.21			
54	6,361	3.70	351.20	6353.71	186.71	55.03	-185.83	194.65	16.42	0.13	0.11			
55	6,455	2.50	7.10	6447.57	191.74	54.82	-190.87	199.43	15.96	1.56	-1.28			
56	6,550	2.30	7.70	6542.49	195.69	55.33	-194.80	203.36	15.79	0.21	-0.21			
57	6,645	0.60	28.90	6637.45	198.01	55.83	-197.12	205.73	15.75	1.85	-1.79			
58	6,739	0.50	53.60	6731.45	198.69	56.40	-197.79	206.54	15.85	0.27	-0.11			
59	6,833	0.30	96.30	6825.45	198.90	56.97	-197.99	206.90	15.98	0.37	-0.21			
60	6,928	0.30	121.80	6920.45	198.74	57.43	-197.83	206.88	16.12	0.14	0.00			
61	7,023	0.30	155.20	7015.45	198.39	57.75	-197.47	206.62	16.23	0.18	0.00			
62	7,117	0.30	166.20	7109.44	197.93	57.91	-197.00	206.22	16.31	0.06	0.00			
63	7,213	0.60	195.80	7205.44	197.20	57.83	-196.28	205.50	16.34	0.39	0.31			
64	7,307	0.80	188.60	7299.43	196.08	57.60	-195.16	204.36	16.37	0.23	0.21			
65	7,402	1.10	198.80	7394.42	194.56	57.21	-193.64	202.79	16.39	0.36	0.32			
66	7,497	0.10	107.30	7489.42	193.67	56.99	-192.76	201.88	16.40	1.17	-1.05			
67	7,591	0.30	112.90	7583.41	193.55	57.30	-192.63	201.85	16.49	0.21	0.21			

Company:		Kaiser-Francis Oil Company										
Well Name:		Bell Lake Unit South #112H										
Location:		Eddy County, NM										
Rig:		Cactus #171					Magnetic Declination:		6.21		REFERENCED TO GRID NORTH	
Job Number:		MSMO-65025										
API #:		30-025-45858										
Vertical Section Azimuth:					179.11			Proposed Direction:		179.11		
Survey Calculation Method:					Minimum Curvature							
PTB:	MD		INC		AZM		TVD	N/S	E/W		VS	
	18,128		93.3		178.2		10186.22	-8175.49	115.16		8176.3	
#	Depth Feet	Inc Degrees	Azm Degrees	TVD Feet	N/S Feet	E/W Feet	Surface Vert Sec	Closure Distance Azm		DLS/ 100	BUR/ 100'	
68	7,686	0.40	143.10	7678.41	193.19	57.72	-192.27	201.63	16.64	0.22	0.11	
69	7,780	0.60	169.10	7772.41	192.44	58.01	-191.52	201.00	16.78	0.32	0.21	
70	7,875	0.70	214.20	7867.40	191.47	57.78	-190.55	200.00	16.79	0.53	0.11	
71	7,970	1.20	238.70	7962.39	190.48	56.61	-189.57	198.71	16.55	0.67	0.53	
72	8,065	0.50	178.40	8057.38	189.54	55.77	-188.66	197.58	16.39	1.10	-0.74	
73	8,159	0.60	180.20	8151.38	188.64	55.78	-187.75	196.72	16.47	0.11	0.11	
74	8,254	0.90	212.10	8246.37	187.51	55.38	-186.63	195.52	16.45	0.53	0.32	
75	8,348	1.10	219.80	8340.35	186.19	54.41	-185.33	193.98	16.29	0.26	0.21	
76	8,442	0.50	170.30	8434.35	185.10	53.90	-184.24	192.78	16.24	0.92	-0.64	
77	8,537	0.40	189.20	8529.34	184.36	53.92	-183.50	192.08	16.30	0.19	-0.11	
78	8,632	0.80	247.90	8624.34	183.78	53.25	-182.93	191.34	16.16	0.72	0.42	
79	8,726	1.40	260.10	8718.32	183.34	51.51	-182.52	190.44	15.69	0.68	0.64	
80	8,821	2.40	214.20	8813.27	181.49	49.25	-180.71	188.06	15.18	1.84	1.05	
81	8,915	2.60	222.20	8907.18	178.29	46.71	-177.54	184.30	14.68	0.43	0.21	
82	9,010	2.90	231.80	9002.07	175.20	43.38	-174.51	180.49	13.91	0.58	0.32	
83	9,104	1.70	219.90	9096.00	172.66	40.61	-172.01	177.38	13.24	1.37	-1.28	
84	9,198	1.60	226.10	9189.96	170.68	38.77	-170.06	175.03	12.80	0.22	-0.11	
85	9,293	0.70	250.40	9284.94	169.57	37.27	-168.97	173.62	12.40	1.06	-0.95	
86	9,339	0.60	336.00	9330.94	169.70	36.91	-169.10	173.66	12.27	1.93	-0.22	
87	9,386	0.40	248.50	9377.94	169.86	36.65	-169.27	173.77	12.18	1.50	-0.43	
88	9,433	2.00	176.00	9424.92	168.98	36.56	-168.39	172.89	12.21	4.08	3.40	
89	9,480	7.80	180.10	9471.73	164.97	36.61	-164.38	168.99	12.51	12.36	12.34	
90	9,527	13.60	180.60	9517.90	156.25	36.55	-155.66	160.47	13.16	12.34	12.34	
91	9,575	17.00	178.00	9564.19	143.59	36.73	-143.00	148.21	14.35	7.22	7.08	
92	9,622	19.80	176.40	9608.78	128.78	37.47	-128.18	134.12	16.22	6.05	5.96	
93	9,669	22.60	177.80	9652.60	111.80	38.32	-111.19	118.19	18.92	6.05	5.96	
94	9,716	25.10	182.30	9695.58	92.81	38.27	-92.21	100.39	22.41	6.58	5.32	
95	9,763	27.10	183.30	9737.79	72.16	37.25	-71.58	81.21	27.30	4.36	4.26	
96	9,810	33.00	183.40	9778.45	48.68	35.87	-48.12	60.47	36.39	12.55	12.55	
97	9,858	36.90	188.60	9817.80	21.37	32.94	-20.85	39.26	57.03	10.22	8.13	
98	9,905	40.90	187.20	9854.37	-7.86	28.90	8.31	29.95	105.22	8.71	8.51	
99	9,952	45.90	186.10	9888.51	-39.93	25.18	40.32	47.20	147.77	10.76	10.64	
100	9,999	52.10	182.80	9919.33	-75.27	22.47	75.61	78.56	163.38	14.21	13.19	
101	10,047	58.10	181.20	9946.78	-114.60	21.12	114.91	116.53	169.56	12.79	12.50	

Company:		Kaiser-Francis Oil Company											
Well Name:		Bell Lake Unit South #112H											
Location:		Eddy County, NM											
Rig:		Cactus #171						Magnetic Declination:		6.21		REFERENCED TO GRID NORTH	
Job Number:		MSMO-65025											
API #:		30-025-45858											
Vertical Section Azimuth:				179.11		Proposed Direction:		179.11					
Survey Calculation Method:				Minimum Curvature									
PTB:	MD	INC	AZM	TVD	N/S	E/W	VS						
	18,128	93.3	178.2	10186.22	-8175.49	115.16	8176.3						
#	Depth Feet	Inc Degrees	Azm Degrees	TVD Feet	N/S Feet	E/W Feet	Surface Vert Sec	Closure Distance Azm		DLS/ 100	BUR/ 100'		
102	10,094	64.80	180.10	9969.23	-155.85	20.67	156.16	157.22	172.45	14.40	14.26		
103	10,142	71.60	179.80	9987.05	-200.39	20.71	200.69	201.46	174.10	14.18	14.17		
104	10,189	78.30	177.40	9999.25	-245.74	21.83	246.05	246.71	174.92	15.08	14.26		
105	10,206	80.10	176.80	10002.43	-262.42	22.68	262.74	263.39	175.06	11.14	10.59		
106	10,238	85.00	176.40	10006.58	-294.08	24.56	294.43	295.10	175.23	15.36	15.31		
107	10,333	87.00	177.30	10013.21	-388.70	29.76	389.11	389.84	175.62	2.31	2.11		
108	10,427	88.60	176.50	10016.82	-482.49	34.84	482.97	483.75	175.87	1.90	1.70		
109	10,521	89.10	176.30	10018.70	-576.28	40.75	576.85	577.72	175.96	0.57	0.53		
110	10,616	88.90	175.30	10020.36	-671.01	47.70	671.67	672.71	175.93	1.07	-0.21		
111	10,711	89.90	177.10	10021.36	-765.79	54.00	766.54	767.70	175.97	2.17	1.05		
112	10,805	89.80	177.40	10021.60	-859.69	58.51	860.49	861.67	176.11	0.34	-0.11		
113	10,900	89.70	177.20	10022.02	-954.58	62.98	955.44	956.65	176.23	0.24	-0.11		
114	10,994	90.20	178.30	10022.10	-1048.50	66.67	1049.41	1050.62	176.36	1.29	0.53		
115	11,089	88.50	179.40	10023.18	-1143.47	68.58	1144.40	1145.53	176.57	2.13	-1.79		
116	11,184	89.50	180.70	10024.83	-1238.46	68.50	1239.37	1240.35	176.83	1.73	1.05		
117	11,278	88.10	179.40	10026.80	-1332.43	68.41	1333.33	1334.19	177.06	2.03	-1.49		
118	11,372	88.20	179.00	10029.84	-1426.37	69.73	1427.28	1428.08	177.20	0.44	0.11		
119	11,467	87.40	178.50	10033.48	-1521.28	71.80	1522.21	1522.97	177.30	0.99	-0.84		
120	11,561	87.20	177.80	10037.91	-1615.13	74.83	1616.09	1616.86	177.35	0.77	-0.21		
121	11,655	86.50	177.30	10043.08	-1708.90	78.84	1709.92	1710.71	177.36	0.91	-0.74		
122	11,749	88.30	178.70	10047.34	-1802.74	82.12	1803.79	1804.61	177.39	2.42	1.91		
123	11,845	88.60	178.30	10049.94	-1898.67	84.63	1899.75	1900.55	177.45	0.52	0.31		
124	11,940	89.20	179.30	10051.76	-1993.63	86.62	1994.73	1995.51	177.51	1.23	0.63		
125	12,034	89.50	178.70	10052.83	-2087.61	88.26	2088.73	2089.47	177.58	0.71	0.32		
126	12,128	88.80	179.60	10054.22	-2181.59	89.65	2182.71	2183.43	177.65	1.21	-0.74		
127	12,222	89.00	179.30	10056.03	-2275.56	90.55	2276.70	2277.36	177.72	0.38	0.21		
128	12,316	88.40	179.50	10058.16	-2369.53	91.54	2370.67	2371.30	177.79	0.67	-0.64		
129	12,410	86.40	180.20	10062.42	-2463.43	91.78	2464.56	2465.14	177.87	2.25	-2.13		
130	12,505	85.40	180.10	10069.22	-2558.19	91.54	2559.30	2559.82	177.95	1.06	-1.05		
131	12,598	86.10	180.60	10076.11	-2650.93	90.97	2652.02	2652.49	178.03	0.92	0.75		
132	12,693	87.70	180.70	10081.25	-2745.78	89.89	2746.85	2747.25	178.12	1.69	1.68		
133	12,788	87.70	179.70	10085.06	-2840.70	89.56	2841.75	2842.11	178.19	1.05	0.00		
134	12,882	88.30	179.40	10088.34	-2934.64	90.30	2935.69	2936.03	178.24	0.71	0.64		
135	12,976	87.90	178.50	10091.46	-3028.57	92.02	3029.64	3029.97	178.26	1.05	-0.43		

Company:		Kaiser-Francis Oil Company										
Well Name:		Bell Lake Unit South #112H										
Location:		Eddy County, NM										
Rig:		Cactus #171					Magnetic Declination:		6.21		REFERENCED TO GRID NORTH	
Job Number:		MSMO-65025										
API #:		30-025-45858										
Vertical Section Azimuth:			179.11		Proposed Direction:			179.11				
Survey Calculation Method:			Minimum Curvature									
PTB:	MD	INC	AZM	TVD	N/S	E/W	VS					
	18,128	93.3	178.2	10186.22	-8175.49	115.16	8176.3					
#	Depth Feet	Inc Degrees	Azm Degrees	TVD Feet	N/S Feet	E/W Feet	Surface Vert Sec	Closure Distance Azm		DLS/ 100	BUR/ 100'	
136	13,070	89.20	180.50	10093.83	-3122.53	92.84	3123.60	3123.91	178.30	2.54	1.38	
137	13,165	87.90	179.70	10096.24	-3217.50	92.67	3218.55	3218.83	178.35	1.61	-1.37	
138	13,260	87.80	180.10	10099.80	-3312.43	92.84	3313.47	3313.73	178.39	0.43	-0.11	
139	13,354	89.70	180.60	10101.85	-3406.40	92.27	3407.42	3407.65	178.45	2.09	2.02	
140	13,448	87.80	181.20	10103.90	-3500.36	90.79	3501.35	3501.54	178.51	2.12	-2.02	
141	13,543	87.00	183.40	10108.21	-3595.18	86.98	3596.10	3596.24	178.61	2.46	-0.84	
142	13,638	85.20	182.60	10114.68	-3689.83	82.02	3690.66	3690.74	178.73	2.07	-1.89	
143	13,732	84.10	182.40	10123.44	-3783.33	77.94	3784.08	3784.13	178.82	1.19	-1.17	
144	13,826	85.10	181.60	10132.29	-3876.85	74.67	3877.54	3877.57	178.90	1.36	1.06	
145	13,921	85.30	179.90	10140.24	-3971.51	73.43	3972.17	3972.19	178.94	1.80	0.21	
146	14,016	87.70	178.20	10146.04	-4066.31	75.01	4066.98	4067.00	178.94	3.09	2.53	
147	14,110	86.80	177.70	10150.55	-4160.14	78.37	4160.85	4160.88	178.92	1.09	-0.96	
148	14,205	87.90	179.10	10154.94	-4254.99	81.02	4255.74	4255.77	178.91	1.87	1.16	
149	14,299	91.00	180.70	10155.84	-4348.98	81.18	4349.71	4349.73	178.93	3.71	3.30	
150	14,393	90.20	180.70	10154.86	-4442.96	80.03	4443.67	4443.68	178.97	0.85	-0.85	
151	14,487	89.10	180.70	10155.43	-4536.95	78.88	4537.63	4537.64	179.00	1.17	-1.17	
152	14,582	86.80	180.20	10158.83	-4631.88	78.14	4632.54	4632.54	179.03	2.48	-2.42	
153	14,678	87.80	180.40	10163.35	-4727.77	77.63	4728.41	4728.41	179.06	1.06	1.04	
154	14,773	87.90	179.80	10166.91	-4822.71	77.47	4823.33	4823.33	179.08	0.64	0.11	
155	14,867	87.10	179.40	10171.01	-4916.61	78.12	4917.23	4917.23	179.09	0.95	-0.85	
156	14,962	88.00	179.20	10175.08	-5011.52	79.28	5012.14	5012.15	179.09	0.97	0.95	
157	15,057	88.40	177.70	10178.06	-5106.43	81.85	5107.09	5107.09	179.08	1.63	0.42	
158	15,152	89.60	176.90	10179.72	-5201.31	86.33	5202.02	5202.03	179.05	1.52	1.26	
159	15,247	89.60	178.90	10180.38	-5296.24	89.81	5297.00	5297.00	179.03	2.11	0.00	
160	15,342	90.00	178.70	10180.71	-5391.22	91.80	5391.99	5392.00	179.02	0.47	0.42	
161	15,437	86.80	178.50	10183.36	-5486.14	94.12	5486.94	5486.95	179.02	3.37	-3.37	
162	15,532	88.40	179.10	10187.34	-5581.03	96.10	5581.85	5581.86	179.01	1.80	1.68	
163	15,626	89.60	178.30	10188.98	-5674.99	98.24	5675.83	5675.84	179.01	1.53	1.28	
164	15,721	90.70	178.30	10188.73	-5769.95	101.06	5770.82	5770.83	179.00	1.16	1.16	
165	15,816	91.30	179.30	10187.08	-5864.91	103.04	5865.80	5865.82	178.99	1.23	0.63	
166	15,911	91.80	179.70	10184.51	-5959.87	103.87	5960.77	5960.78	179.00	0.67	0.53	
167	16,005	91.00	179.70	10182.21	-6053.84	104.37	6054.73	6054.74	179.01	0.85	-0.85	
168	16,098	89.00	180.00	10182.21	-6146.84	104.61	6147.72	6147.73	179.03	2.17	-2.15	
169	16,193	87.70	180.60	10184.95	-6241.79	104.11	6242.66	6242.66	179.04	1.51	-1.37	

Company:		Kaiser-Francis Oil Company									
Well Name:		Bell Lake Unit South #112H									
Location:		Eddy County, NM									
Rig:		Cactus #171				Magnetic Declination:		6.21		REFERENCED TO GRID NORTH	
Job Number:		MSMO-65025									
API #:		30-025-45858									
Vertical Section Azimuth:				179.11		Proposed Direction:		179.11			
Survey Calculation Method:				Minimum Curvature							
PTB:	MD		INC		AZM	TVD	N/S	E/W		VS	
	18,128		93.3		178.2	10186.22	-8175.49	115.16		8176.3	
#	Depth Feet	Inc Degrees	Azm Degrees	TVD Feet	N/S Feet	E/W Feet	Surface Vert Sec	Closure Distance Azm		DLS/ 100	BUR/ 100'
170	16,289	87.50	180.50	10188.97	-6337.71	103.19	6338.54	6338.55	179.07	0.23	-0.21
171	16,383	86.50	180.10	10193.89	-6431.57	102.70	6432.39	6432.39	179.09	1.15	-1.06
172	16,477	86.50	180.40	10199.62	-6525.40	102.29	6526.20	6526.20	179.10	0.32	0.00
173	16,572	87.70	180.10	10204.43	-6620.27	101.88	6621.06	6621.06	179.12	1.30	1.26
174	16,666	88.50	180.10	10207.55	-6714.22	101.71	6714.99	6714.99	179.13	0.85	0.85
175	16,760	89.20	180.20	10209.43	-6808.20	101.47	6808.96	6808.96	179.15	0.75	0.74
176	16,854	89.30	180.70	10210.66	-6902.19	100.73	6902.92	6902.92	179.16	0.54	0.11
177	16,972	89.70	180.50	10211.69	-7020.18	99.49	7020.88	7020.88	179.19	0.38	0.34
178	17,067	90.00	180.30	10211.94	-7115.18	98.83	7115.85	7115.86	179.20	0.38	0.32
179	17,161	90.20	179.80	10211.78	-7209.17	98.75	7209.84	7209.85	179.22	0.57	0.21
180	17,255	90.20	179.40	10211.45	-7303.17	99.40	7303.83	7303.85	179.22	0.43	0.00
181	17,350	90.40	179.10	10210.95	-7398.16	100.65	7398.83	7398.85	179.22	0.38	0.21
182	17,445	91.70	179.20	10209.21	-7493.13	102.06	7493.82	7493.83	179.22	1.37	1.37
183	17,539	91.10	179.70	10206.91	-7587.10	102.96	7587.78	7587.80	179.22	0.83	-0.64
184	17,634	90.40	179.40	10205.67	-7682.09	103.70	7682.77	7682.79	179.23	0.80	-0.74
185	17,728	91.20	179.20	10204.36	-7776.07	104.85	7776.76	7776.78	179.23	0.88	0.85
186	17,822	92.00	178.70	10201.73	-7870.02	106.57	7870.72	7870.74	179.22	1.00	0.85
187	17,917	92.60	178.40	10197.92	-7964.91	108.98	7965.64	7965.66	179.22	0.71	0.63
188	18,012	93.40	178.40	10192.95	-8059.74	111.62	8060.50	8060.52	179.21	0.84	0.84
189	18,068	93.30	178.20	10189.68	-8115.62	113.28	8116.40	8116.41	179.20	0.40	-0.18
PTB:	18,128	93.30	178.20	10186.22	-8175.49	115.16	8176.30	8176.30	179.19	0.00	0.00