

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM 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

b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.

Other _____

2. Name of Operator KAISER-FRANCIS OIL COMPANY **Contact:** CHARLOTTE VAN VALKENBURG
E-Mail: Charlottv@kfoc.net

3. Address P. O. BOX 21468
TULSA, OK 74121 **3a. Phone No. (include area code)**
Ph: 918-491-4314

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
Sec 1 T24S R33E Mer
At surface SWNW 2050FNL 295FWL 32.248226 N Lat, 103.533650 W Lon
Sec 1 T24S R33E Mer
At top prod interval reported below NWSW 1961FSL 329FWL 32.244730 N Lat, 103.533530 W Lon
Sec 12 T24S R33E Mer
At total depth SWSW 121FSL 395FWL 32.224850 N Lat, 103.534600 W Lon

10. Field and Pool, or Exploratory BELL LAKE UNIT SOUTH 401H

11. Sec., T., R., M., or Block and Survey or Area Sec 1 T24S R33E Mer

12. County or Parish LEA **13. State** NM

14. Date Spudded 06/06/2019 **15. Date T.D. Reached** 07/04/2019 **16. Date Completed**
☐ D & A ☒ Ready to Prod. 08/12/2019

17. Elevations (DF, KB, RT, GL)* 3632 GL

18. Total Depth: MD 19736 TVD 12042 **19. Plug Back T.D.:** MD 19667 TVD 12042 **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
14.750	10.750 J55	40.5	0	1327		825	243	0	0
9.750	7.625 P110	29.7	0	11361	5430	1705	747	0	0
6.750	5.500 P110	20.0	0	19718		1475	354	0	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	12615	19659	12615 TO 19659	0.420	1905	OPEN
B)						
C)						
D)						

26. Perforation Record

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

Depth Interval	Amount and Type of Material
12615 TO 19659	447303 BBLs FLUID AND 20907934 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
08/14/2019	08/26/2019	24	→	1300.0	3860.0	2673.0	46.0	0.77	FLows FROM WELL
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio		
23	SI	4175.0	→	1300	3860	2673	2969	POW	

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.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio		
	SI		→						

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

ELECTRONIC SUBMISSION #480862 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

Reclamation due: 02/14/2020

HOBBS OCMOCD
Hobbs
DEC 04 2019
RECEIVED

ACCEPTED FOR RECORD
NOV 21 2019
BUREAU OF LAND MANAGEMENT
ROSWELL FIELD OFFICE

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	5250			DELAWARE	5250
UPPER AVALON	8965			UPPER AVALON	8965
1ST BONE SPRING SAND	10047			1ST BONE SPRING SAND	10047
2ND BONE SPRING LIME	10426			2ND BONE SPRING LIME	10426
2ND BONE SPRING SAND	10637			2ND BONE SPRING SAND	10637
3RD BONE SPRING LIME	11129			3RD BONE SPIRNG LIME	11129
3RD BONE SPRING SAND	11693			3RD BONE SPRING SAND	11693
WOLFCAMP	12083			WOLFCAMP	12083

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 #480862 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 ()

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.

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

MS Directional Survey Data Certification

MS Directional Job Number: MSMQ-66379
Survey Type: MWD
Operating Company: Kaiser-Francis Oil Co.
Well Name & Number: Bell Lake Unit South #401H
Location: Eddy County, NM
API Number: 30-025-45521
Tie In Depth: Surface
Surveyed Depths: 152'– 12,589' MD
Projected TD Survey: 12,638' MD
Dates Performed: 06/05/2019 – 06/21/2019

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: 08-26-2019

Email: Dereck.Scott@msdir.com

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Company:	Kaiser-Francis Oil Co.		
Well Name:	Bell Lake Unit South #401H		
Location:	Eddy County, NM		
Rig:	Cactus #171	Magnetic Declination:	6.18
Job Number:	MSMO-66379	REFERENCED TO GRID NORTH	
API #:	30-025-45521		

Vertical Section Azimuth:	178.98	Proposed Direction:	178.98
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Survey Calculation Method:	Minimum Curvature
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PTB:	MD	INC	AZM	TVD	N/S	E/W	VS				
	12,638	90.28	173	12049.93	-1305.31	51.48	1306.02				
#	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	0	0.00	0.00	0.00	0.00	0.00			0.00		
1	152	0.63	217.91	152.00	-0.66	-0.51	0.65	0.84	217.91	0.41	0.41
2	245	0.47	248.61	244.99	-1.20	-1.18	1.18	1.69	224.54	0.35	-0.17
3	339	0.26	232.99	338.99	-1.47	-1.71	1.44	2.26	229.33	0.25	-0.22
4	432	0.27	173.18	431.99	-1.82	-1.85	1.78	2.60	225.61	0.28	0.01
5	526	0.32	158.61	525.99	-2.28	-1.73	2.25	2.86	217.23	0.10	0.05
6	619	0.41	145.56	618.99	-2.80	-1.45	2.77	3.15	207.40	0.13	0.10
7	713	0.57	131.14	712.98	-3.38	-0.91	3.36	3.50	195.02	0.21	0.17
8	807	0.35	98.24	806.98	-3.73	-0.27	3.72	3.74	184.16	0.36	-0.23
9	901	0.45	73.75	900.98	-3.67	0.37	3.67	3.69	174.28	0.21	0.11
10	994	0.57	121.24	993.98	-3.81	1.11	3.82	3.96	163.69	0.46	0.13
11	1,088	0.40	104.58	1087.97	-4.13	1.83	4.16	4.52	156.09	0.23	-0.18
12	1,182	0.03	141.74	1181.97	-4.23	2.16	4.27	4.75	152.92	0.40	-0.39
13	1,276	0.12	299.68	1275.97	-4.20	2.09	4.24	4.70	153.52	0.16	0.10
14	1,359	0.32	170.64	1358.97	-4.39	2.06	4.42	4.85	154.90	0.49	0.24
15	1,454	0.25	77.12	1453.97	-4.60	2.30	4.64	5.15	153.45	0.44	-0.07
16	1,549	1.16	355.21	1548.96	-3.60	2.42	3.64	4.34	146.06	1.21	0.96
17	1,643	1.64	345.23	1642.93	-1.35	2.00	1.39	2.41	124.03	0.57	0.51
18	1,738	1.32	288.15	1737.91	0.30	0.61	-0.29	0.69	63.60	1.52	-0.34
19	1,833	0.64	275.12	1832.89	0.69	-0.95	-0.71	1.18	305.98	0.75	-0.72
20	1,927	0.22	48.43	1926.89	0.86	-1.34	-0.88	1.59	302.63	0.86	-0.45
21	2,022	0.40	359.60	2021.89	1.31	-1.21	-1.33	1.78	317.36	0.32	0.19
22	2,117	0.46	17.94	2116.89	2.01	-1.09	-2.03	2.28	331.42	0.16	0.06
23	2,211	0.19	68.18	2210.89	2.42	-0.83	-2.44	2.56	341.05	0.39	-0.29
24	2,306	0.73	335.95	2305.88	3.03	-0.93	-3.05	3.17	342.92	0.80	0.57
25	2,401	0.63	355.64	2400.88	4.11	-1.22	-4.13	4.29	343.47	0.27	-0.11
26	2,495	1.15	358.97	2494.87	5.57	-1.28	-5.59	5.71	347.10	0.56	0.55
27	2,590	0.69	342.72	2589.85	7.07	-1.46	-7.09	7.22	348.31	0.55	-0.48
28	2,685	1.17	336.42	2684.84	8.50	-2.02	-8.54	8.74	346.63	0.52	0.51
29	2,779	1.08	325.98	2778.82	10.11	-2.90	-10.16	10.52	344.00	0.24	-0.10
30	2,873	1.49	339.86	2872.80	12.00	-3.82	-12.06	12.59	342.35	0.54	0.44
31	2,968	0.68	14.63	2967.78	13.70	-4.10	-13.77	14.30	343.35	1.06	-0.85
32	3,063	0.25	338.62	3062.78	14.44	-4.03	-14.51	14.99	344.40	0.53	-0.45
33	3,158	1.16	355.21	3157.77	15.59	-4.19	-15.66	16.14	344.96	0.97	0.96

Company:	Kaiser-Francis Oil Co.		
Well Name:	Bell Lake Unit South #401H		
Location:	Eddy County, NM		
Rig:	Cactus #171	Magnetic Declination:	6.18
Job Number:	MSMO-66379		
API #:	30-025-45521		
Vertical Section Azimuth:	178.98	Proposed Direction:	178.98
Survey Calculation Method:	Minimum Curvature		

PTB:	MD		INC		AZM		TVD		N/S		E/W		VS	
	12,638		90.28		173		12049.93		-1305.31		51.48		1306.02	
#	Depth Feet	Inc Degrees	Azm Degrees	TVD Feet	N/S Feet	E/W Feet	Surface Vert Sec	Closure		DLS/ 100	BUR/ 100'			
34	3,252	1.26	0.83	3251.75	17.57	-4.25	-17.65	18.08	346.40	0.16	0.11			
35	3,347	1.95	341.56	3346.71	20.15	-4.75	-20.23	20.70	346.74	0.91	0.73			
36	3,442	1.41	341.87	3441.67	22.79	-5.62	-22.89	23.48	346.14	0.57	-0.57			
37	3,536	0.41	55.05	3535.66	24.09	-5.71	-24.18	24.75	346.67	1.44	-1.06			
38	3,631	1.26	73.03	3630.65	24.59	-4.43	-24.66	24.98	349.79	0.93	0.89			
39	3,726	1.83	80.51	3725.61	25.14	-1.93	-25.17	25.22	355.60	0.64	0.60			
40	3,821	3.84	72.86	3820.49	26.33	2.60	-26.28	26.46	5.64	2.15	2.12			
41	3,915	0.73	100.44	3914.41	27.15	6.20	-27.03	27.85	12.86	3.42	-3.31			
42	4,010	2.18	190.05	4009.38	25.26	6.48	-25.14	26.08	14.39	2.41	1.53			
43	4,105	2.96	201.01	4104.29	21.19	5.28	-21.09	21.84	14.00	0.97	0.82			
44	4,199	2.77	198.75	4198.17	16.77	3.68	-16.71	17.17	12.39	0.24	-0.20			
45	4,294	2.34	194.88	4293.07	12.73	2.45	-12.68	12.96	10.89	0.49	-0.45			
46	4,389	2.93	149.00	4387.98	8.77	3.20	-8.71	9.34	20.05	2.24	0.62			
47	4,484	5.92	132.26	4482.69	3.39	8.08	-3.25	8.76	67.22	3.40	3.15			
48	4,578	7.80	131.99	4576.02	-4.14	16.41	4.43	16.92	104.15	2.00	2.00			
49	4,672	7.56	144.18	4669.18	-13.42	24.77	13.86	28.17	118.45	1.75	-0.26			
50	4,767	8.96	149.17	4763.19	-24.84	32.22	25.41	40.68	127.63	1.65	1.47			
51	4,862	10.47	150.47	4856.83	-38.70	40.26	39.41	55.85	133.87	1.61	1.59			
52	4,956	10.07	146.48	4949.32	-52.98	49.01	53.85	72.18	137.23	0.87	-0.43			
53	5,050	8.31	152.49	5042.11	-65.86	56.69	66.86	86.90	139.28	2.13	-1.87			
54	5,145	7.46	176.00	5136.24	-78.11	60.29	79.17	98.67	142.34	3.48	-0.89			
55	5,239	7.42	201.58	5229.47	-89.84	58.48	90.87	107.20	146.94	3.50	-0.04			
56	5,334	7.16	206.18	5323.71	-100.86	53.61	101.80	114.22	152.01	0.67	-0.27			
57	5,429	9.02	205.20	5417.76	-112.91	47.83	113.74	122.62	157.04	1.96	1.96			
58	5,524	10.88	203.24	5511.33	-127.89	41.12	128.60	134.34	162.17	1.99	1.96			
59	5,618	10.86	202.27	5603.64	-144.24	34.27	144.82	148.25	166.64	0.20	-0.02			
60	5,713	10.04	200.64	5697.06	-160.27	27.96	160.74	162.69	170.11	0.92	-0.86			
61	5,807	10.28	203.83	5789.59	-175.61	21.68	175.97	176.94	172.96	0.65	0.26			
62	5,902	10.96	203.60	5882.96	-191.64	14.64	191.87	192.20	175.63	0.72	0.72			
63	5,996	11.02	201.18	5975.24	-208.20	7.81	208.31	208.35	177.85	0.49	0.06			
64	6,091	10.01	200.41	6068.64	-224.41	1.65	224.40	224.41	179.58	1.07	-1.06			
65	6,185	9.48	198.85	6161.28	-239.39	-3.70	239.29	239.42	180.88	0.63	-0.56			
66	6,280	10.35	202.70	6254.87	-254.67	-9.52	254.46	254.85	182.14	1.15	0.92			
67	6,374	9.78	203.26	6347.42	-269.79	-15.93	269.47	270.26	183.38	0.62	-0.61			

Company:		Kaiser-Francis Oil Co.												
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Location:		Eddy County, NM												
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Job Number:		MSMO-66379												
API #:		30-025-45521												
Vertical Section Azimuth:			178.98		Proposed Direction:		178.98							
Survey Calculation Method:			Minimum Curvature											
PTB:	MD		INC		AZM		TVD		N/S		E/W		VS	
	12,638		90.28		173		12049.93		-1305.31		51.48		1306.02	
#	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	6,469	10.34	203.16	6440.96	-285.04	-22.47	284.60	285.93		184.51	0.59	0.59		
69	6,563	10.68	200.40	6533.38	-300.96	-28.82	300.40	302.34		185.47	0.65	0.36		
70	6,658	11.06	201.34	6626.68	-317.70	-35.21	317.03	319.65		186.32	0.44	0.40		
71	6,753	10.77	198.86	6719.96	-334.59	-41.39	333.80	337.14		187.05	0.58	-0.31		
72	6,847	9.87	197.13	6812.44	-350.60	-46.60	349.72	353.68		187.57	1.01	-0.96		
73	6,942	9.83	197.89	6906.04	-366.10	-51.49	365.12	369.70		188.01	0.14	-0.04		
74	7,037	10.50	198.35	6999.55	-382.03	-56.71	380.96	386.22		188.44	0.71	0.71		
75	7,131	10.49	201.07	7091.97	-398.15	-62.48	396.97	403.02		188.92	0.53	-0.01		
76	7,225	10.38	198.80	7184.42	-414.15	-68.29	412.87	419.74		189.36	0.45	-0.12		
77	7,320	10.40	200.29	7277.86	-430.29	-74.02	428.91	436.61		189.76	0.28	0.02		
78	7,414	8.68	196.90	7370.56	-445.04	-79.02	443.56	452.00		190.07	1.92	-1.83		
79	7,508	8.15	197.34	7463.55	-458.19	-83.07	456.63	465.66		190.28	0.57	-0.56		
80	7,603	6.27	189.74	7557.79	-469.73	-85.96	468.12	477.53		190.37	2.21	-1.98		
81	7,698	4.49	188.17	7652.37	-478.52	-87.36	476.89	486.43		190.35	1.88	-1.87		
82	7,792	3.26	191.27	7746.15	-484.79	-88.41	483.14	492.78		190.34	1.33	-1.31		
83	7,887	2.49	189.10	7841.03	-489.47	-89.26	487.81	497.55		190.34	0.82	-0.81		
84	7,981	2.21	212.97	7934.96	-493.01	-90.57	491.32	501.26		190.41	1.07	-0.30		
85	8,076	0.83	196.13	8029.92	-495.21	-91.76	493.50	503.64		190.50	1.51	-1.45		
86	8,171	1.70	175.31	8124.90	-497.27	-91.84	495.56	505.68		190.46	1.02	0.92		
87	8,265	1.29	172.95	8218.87	-499.71	-91.59	498.00	508.04		190.39	0.44	-0.44		
88	8,359	0.41	254.24	8312.86	-500.85	-91.79	499.14	509.19		190.38	1.38	-0.94		
89	8,454	0.47	332.28	8407.85	-500.60	-92.29	498.88	509.04		190.45	0.59	0.06		
90	8,549	0.20	3.83	8502.85	-500.09	-92.46	498.37	508.57		190.48	0.33	-0.28		
91	8,643	0.36	146.76	8596.85	-500.17	-92.29	498.45	508.62		190.45	0.57	0.17		
92	8,737	0.37	152.79	8690.85	-500.69	-91.99	498.97	509.07		190.41	0.04	0.01		
93	8,832	0.80	96.01	8785.85	-501.03	-91.19	499.33	509.26		190.32	0.71	0.45		
94	8,927	1.14	90.04	8880.83	-501.10	-89.59	499.43	509.05		190.14	0.37	0.36		
95	9,021	0.61	111.18	8974.82	-501.29	-88.18	499.64	508.98		189.98	0.65	-0.56		
96	9,116	0.77	140.96	9069.81	-501.96	-87.31	500.33	509.50		189.87	0.41	0.17		
97	9,211	1.27	126.64	9164.80	-503.09	-86.06	501.48	510.40		189.71	0.59	0.53		
98	9,305	1.25	155.94	9258.78	-504.65	-84.81	503.06	511.72		189.54	0.68	-0.02		
99	9,400	1.97	211.97	9353.74	-506.98	-85.25	505.38	514.10		189.55	1.73	0.76		
100	9,494	1.52	147.85	9447.71	-509.40	-85.44	507.80	516.52		189.52	2.01	-0.48		
101	9,589	2.33	145.59	9542.65	-512.06	-83.68	510.49	518.86		189.28	0.86	0.85		

Company:	Kaiser-Francis Oil Co.		
Well Name:	Bell Lake Unit South #401H		
Location:	Eddy County, NM		
Rig:	Cactus #171	Magnetic Declination:	6.18
Job Number:	MSMO-66379		
API #:	30-025-45521		

REFERENCED TO GRID NORTH

Vertical Section Azimuth:	178.98	Proposed Direction:	178.98
Survey Calculation Method:	Minimum Curvature		

PTB:	MD	INC	AZM	TVD	N/S	E/W	VS				
	12,638	90.28	173	12049.93	-1305.31	51.48	1306.02				
#	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	9,683	0.99	234.10	9636.62	-514.12	-83.26	512.55	520.81	189.20	2.67	-1.43
103	9,778	1.71	289.25	9731.60	-514.13	-85.26	512.53	521.15	189.42	1.48	0.76
104	9,872	1.28	248.26	9825.57	-514.06	-87.56	512.42	521.46	189.67	1.19	-0.46
105	9,967	2.91	241.39	9920.50	-515.60	-90.67	513.91	523.52	189.97	1.73	1.72
106	10,061	3.40	245.90	10014.36	-517.89	-95.30	516.11	526.58	190.43	0.58	0.52
107	10,156	2.55	239.65	10109.23	-520.10	-99.70	518.25	529.57	190.85	0.96	-0.89
108	10,251	1.80	225.13	10204.16	-522.22	-102.58	520.32	532.20	191.11	0.97	-0.79
109	10,345	2.15	165.15	10298.12	-524.97	-103.18	523.05	535.01	191.12	2.12	0.37
110	10,440	2.79	166.69	10393.03	-528.94	-102.19	527.04	538.72	190.93	0.68	0.67
111	10,535	1.23	218.45	10487.97	-531.99	-102.29	530.09	541.74	190.88	2.37	-1.64
112	10,629	1.68	262.65	10581.95	-532.96	-104.28	531.02	543.06	191.07	1.25	0.48
113	10,724	1.37	253.24	10676.91	-533.46	-106.75	531.48	544.04	191.32	0.42	-0.33
114	10,818	0.60	264.95	10770.90	-533.83	-108.32	531.82	544.71	191.47	0.84	-0.82
115	10,913	0.94	277.13	10865.89	-533.78	-109.59	531.74	544.91	191.60	0.40	0.36
116	11,007	0.88	264.03	10959.88	-533.76	-111.07	531.70	545.19	191.75	0.23	-0.06
117	11,102	0.79	288.81	11054.87	-533.62	-112.41	531.54	545.33	191.90	0.39	-0.09
118	11,196	0.73	307.69	11148.86	-533.05	-113.50	530.94	545.00	192.02	0.27	-0.06
119	11,291	1.33	303.41	11243.84	-532.07	-114.90	529.94	544.34	192.19	0.64	0.63
120	11,318	1.48	305.08	11270.84	-531.70	-115.45	529.56	544.09	192.25	0.58	0.56
121	11,395	0.78	276.31	11347.82	-531.07	-116.78	528.90	543.76	192.40	1.14	-0.91
122	11,442	0.79	250.51	11394.82	-531.14	-117.41	528.97	543.96	192.46	0.75	0.02
123	11,490	1.38	158.79	11442.81	-531.79	-117.51	529.61	544.62	192.46	3.36	1.23
124	11,537	2.87	126.96	11489.78	-533.03	-116.36	530.87	545.58	192.31	3.93	3.17
125	11,584	5.26	112.71	11536.66	-534.56	-113.44	532.46	546.47	191.98	5.48	5.09
126	11,631	8.80	115.67	11583.30	-536.95	-108.21	534.94	547.75	191.39	7.57	7.53
127	11,679	15.46	116.00	11630.20	-541.35	-99.14	539.50	550.36	190.38	13.88	13.88
128	11,726	22.94	123.73	11674.56	-549.20	-85.87	547.58	555.87	188.89	16.78	15.91
129	11,774	30.16	137.11	11717.51	-563.26	-69.85	561.93	567.57	187.07	19.45	15.04
130	11,821	38.48	147.43	11756.32	-584.29	-53.90	583.24	586.77	185.27	21.55	17.70
131	11,868	43.18	156.41	11791.91	-611.39	-39.57	610.59	612.67	183.70	15.98	10.00
132	11,915	48.38	166.30	11824.72	-643.25	-28.95	642.64	643.90	182.58	18.68	11.06
133	11,963	52.40	174.93	11855.35	-679.68	-23.01	679.16	680.07	181.94	16.17	8.37
134	12,012	53.58	175.79	11884.84	-718.68	-19.85	718.21	718.95	181.58	2.79	2.41
135	12,070	58.24	171.98	11917.35	-766.41	-14.69	766.02	766.55	181.10	9.70	8.03

Company:	Kaiser-Francis Oil Co.		
Well Name:	Bell Lake Unit South #401H		
Location:	Eddy County, NM		
Rig:	Cactus #171	Magnetic Declination:	6.18 REFERENCED TO GRID NORTH ▼
Job Number:	MSMO-66379		
API #:	30-025-45521		

Vertical Section Azimuth:	178.98	Proposed Direction:	178.98
Survey Calculation Method:	Minimum Curvature		

PTB:	MD	INC	AZM	TVD	N/S	E/W	VS				
	12,638	90.28	173	12049.93	-1305.31	51.48	1306.02				
#	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	12,117	60.15	170.48	11941.42	-806.30	-8.53	806.02	806.35	180.61	4.90	4.06
137	12,164	61.64	171.21	11964.28	-846.84	-2.00	846.67	846.84	180.14	3.45	3.17
138	12,211	66.09	173.19	11984.98	-888.63	3.71	888.56	888.64	179.76	10.19	9.47
139	12,258	72.32	175.12	12001.66	-932.32	8.17	932.32	932.36	179.50	13.80	13.26
140	12,305	76.46	174.03	12014.31	-977.37	12.45	977.44	977.45	179.27	9.09	8.81
141	12,353	79.08	172.97	12024.47	-1023.98	17.76	1024.13	1024.13	179.01	5.87	5.46
142	12,400	81.60	172.74	12032.36	-1069.95	23.52	1070.20	1070.21	178.74	5.38	5.36
143	12,447	83.00	173.04	12038.66	-1116.16	29.29	1116.51	1116.55	178.50	3.05	2.98
144	12,494	83.94	172.93	12044.00	-1162.51	34.99	1162.95	1163.04	178.28	2.01	2.00
145	12,542	85.47	173.62	12048.43	-1209.97	40.59	1210.51	1210.65	178.08	3.49	3.19
146	12,589	90.28	173.66	12050.17	-1256.64	45.79	1257.26	1257.47	177.91	10.23	10.23
PTB:	12,638	90.28	173.00	12049.93	-1305.31	51.48	1306.02	1306.32	177.74	1.35	0.00