

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

Operator: License # 6568

Name: Kaiser-Francis Oil Company

Address P. O. Box 21468

City/State/Zip Tulsa, OK 74121-1468

Purchaser: PanEnergy Field Services

Operator Contact Person: Charlotte Van Valkenburg

Phone (918) 491-4314

Contractor: Name: Val Energy

License: n/a

Wellsite Geologist: None

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD S10W Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-Entry: old well info as follows:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Deepening Re-perf. Conv. to Inj/SWD
 Plug Back PBDT
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____

11/15/96 11/19/96 12/17/96
Spud Date Date Reached TD Completion Date

API NO. 15- 175-21586000 21568-0000

County Seward

C - SW - SW - NE Sec. 7 Twp. 33S Rge. 31 X W

2310 Feet from N (circle one) Line of Section

2310 Feet from E (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW (circle one)

Lease Name Robbins Well # 3

Field Name Hugoton Gas Area

Producing Formation Chase

Elevation: Ground 2761 KB 2771

Total Depth 2850 PBDT 2800

Amount of Surface Pipe Set and Cemented at 628 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan ALT 1 JH 7-10-98
(Data must be collected from the Reserve Pit)

Chloride content 18000 ppm Fluid volume 9000 bbls

Dewatering method used Evaporation

Location of fluid disposal if hauled offsite: _____

Operator Name n/a

Lease Name JAN 29 1999 License No. _____

Quarter Sec. Twp. S Rng. E/W

County _____ Docket No. _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature Charlotte Van Valkenburg
Title Technical Coordinator Date 1/29/97

Subscribed and sworn to before me this 29th day of January, 1997.

Notary Public Cherie R. Smith

Date Commission Expires My Commission Expires Oct. 4, 1999

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other
(Specify)

ORIGINAL

SIDE TWO

Operator Name Kaiser-Francis Oil Company Lease Name Robbins Well # 3

Sec. 7 Twp. 33S Rge. 31 East West County Seward

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken Yes No
 (Attach Additional Sheets.)

Samples Sent to Geological Survey Yes No

Cores Taken Yes No

Electric Log Run Yes No
 (Submit Copy.)

List All E.Logs Run:
DIL, SD-DSNL, CSN-GR, PAMRIL

Cores: taken from 2590'-2649'
 See core analysis

Log Sample

Name	Top	Datum
Herington	2550	+221
U. Krider	2582	+189
L. Krider	2612	+159
Winfield	2680	+ 91

CASING RECORD New Used

Report all strings set-conductor, surface, intermediate, production, etc.

Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs./Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12 1/4	8 5/8	24	628	Prem/PozA	365	2% cc flocele 1/4#
Production	7 7/8	4 1/2	10.5	2850	Prem	155	-
DV Tool	7 7/8	4 1/2	-	1503	Prem/PozA	275	-

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
2	2552-2558	4250 g. 15% NEFE + 1500 g. 7 1/2% NEFE	2552-2558
2	2584-2598	4500 g. 15% NEFE + 1500 g. 7 1/2% NEFE	2584-2636
2	2622-2636	20000 g. 50Q 28% HCL + 500# rocksalt	2552-2636

TUBING RECORD

Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
2 3/8	2611	2611	

Date of First, Resumed Production, SWD or Inj. 12/26/96

Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	0	263	15		-

Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION: Open Hole Perf. Dually Comp. Commingled Other (Specify)

Production Interval: 2552-2636

BJ SERVICES COMPANY

INVOICE NO. 539706	OUR RECEIPT NO. 409984	DATE 11/15/96
YOUR ORDER NO.		
47170	1225	



ORIGINAL

REMIT TO: P.O. BOX 891058
DALLAS, TX 75389-1058

RECEIVED
KAISER-FRANCIS OIL CO STATE CORPORATION COMMISSION
BOX 746
PERRYTON TX 79070
JAN 17 1997

CONSERVATION DIVISION
Wichita, Kansas

SERVICES FROM OUR STATION AT PERRYTON CEMENTING	OUR ENGINEER RABE	SIGNED FOR YOU BY AYLETT
FOR SERVICING WELL NAME ROBBINS 3-7	COUNTY SEWARD	STATE KS 15

PRODUCT CODE	DESCRIPTION	UNIT OF MEASURE	QUANTITY	LIST PRICE/UNIT	GROSS AMOUNT	PERCENT DISC.	NET AMOUNT
J3915	MILEAGE, AUTO/PICK-UP/TREATING VAN	MILE	30.0	1.900			57.00
J3905	MILEAGE, HEAVY VEHICLE, PER UNIT	MILE	30.0	3.150			94.50
J4015	BULK MATERIAL DELIVERY, DRY	TONMI	262.0	1.060			277.72
F0035	CEMENT CASING, 501 - 1000 FT	6HRS	1.0	900.000			900.00
M1005	BULK MATERIALS SERVICE CHARGE	CU FT	393.0	1.500			589.50
P432F	PREMIUM CMT, PERRYTON, TX	SACK	307.0	10.930			3,355.51
P422F	POZ A, PERRYTON, TX	SACK	58.0	5.810			336.98
P2495	BENTONITE	LB	861.0	.190			163.59
P1265	CELLO FLAKE	LB	41.0	2.050			84.05
H5027	CALC CHLORIDE-TX PANHANDLE	LB	880.0	.420			369.60
P3625	CMT PLUG, RUBBER, TOP (8-5/8 INCH)	EACH	1.0	132.000			132.00
13365	GUIDE SHOE/NOTCHED 8 5/8 - 8RD	EACH	1.0	295.000			295.00
17180	INSERT FLOAT, STC 8 5/8 - 8RD	EACH	1.0	405.000			405.00
17068	CENTRALIZER, WITH PINS, 8 5/8 INCH	EACH	3.0	88.500			265.50
17135	STOP COLLAR, 8 5/8 INCH	EACH	1.0	27.750			27.75
C9985	SHORT GEIST BARS	EACH	3.0	26.000			78.00
C9985	LONG GEIST BARS	EACH	3.0	34.000			102.00
90300	SALES CONCESSION ON BID JOBS						2,984.54

KCC
DEC 15
CONFIDENTIAL

FROM CONFIDENTIAL
JAN 29 1999
RELEASED

Lease	<i>Robbins 3-7</i>
Repair or Replacement	<input type="checkbox"/> Account Charge
New Installation	<input checked="" type="checkbox"/> Approved by <i>[Signature]</i>

LEASE	NAME
057880	ROBB
EXP.	BY
524	MM

ORIGINAL



ACCOUNTING COPY

SERVICE ORDER AND FIELD RECEIPT NO.

ORIGINAL 409984

BJ Services Comparison STATE CORPORATION COMMISSION CONFIDENTIAL

Customer (Company Name) Kaiser Francis, Credit Approval No. JAN 17 1997, Purchase Order No., Customer Number 47170, Invoice Number 539706, Job Type Codes, Date Work, Completed, BJ Services District, Well Name and Number, Location, Well, County, State, Well Type, Well Class, Gas Used on Job, Cementing Services, Stimulation Services, Tool Services.

Table with columns: PRODUCT CODE, DESCRIPTION, UNIT OF MEASURE, QUANTITY, LIST PRICE/UNIT, GROSS AMOUNT, PERCENT DISC, NET AMOUNT. Includes items like Pick-up mileage, Equipment mileage, Delivery Charge, Cement Pump @ 690', Service Charge, Class H. Cement, Poz A, Bentonite, Cello-Flake, Calcium Chloride, 8 3/8" Top Rubber Plug, 8 3/8" Wefched Guide Shoe, 8 3/8" Auto-Fill Insert Float, 8 3/8" Centralizers, 8 3/8" Step Ring, Short Gerst Bars, Long Gerst Bars.

ARRIVE LOCATION: 11 15 96 1900, CUSTOMER REP. LAST NAME: Aylett, SEE REVERSE SIDE FOR GENERAL TERMS AND CONDITIONS

SERVICE ORDER: I AUTHORIZE WORK TO BEGIN PER SERVICE INSTRUCTIONS IN ACCORDANCE WITH TERMS AND CONDITIONS PRINTED ON THE REVERSE SIDE OF THIS FORM AND REPRESENT THAT I HAVE AUTHORITY TO ACCEPT AND SIGN THIS ORDER. X Bernd Aylett CUSTOMER AUTHORIZED AGENT

SERVICE RECEIPT: I CERTIFY THAT THE MATERIALS AND SERVICES LISTED WERE RECEIVED AND ALL SERVICES PERFORMED IN A WORKMANLIKE MANNER. CUSTOMER AUTHORIZED AGENT: X Bernd Aylett, X Rusty Juice

ORIGINAL

ORIGINAL

CONFIDENTIAL

BJ SERVICES COMPANY

ORIGINAL

RECEIVED
STATE CORPORATION COMMISSION



JAN 17 1997

CONSERVATION DIVISION
Wichita, Kansas

KAISER-FRANCIS OIL CO
BOX 746
PERRYTON TX 79070

REMIT TO: P.O. BOX 891058
DALLAS, TX 75389-1058

INVOICE NO. 540409	OUR RECEIPT NO. 408588	DATE 11/20/96
YOUR ORDER NO.		
47170	1225	

ORIGINAL

SERVICES FROM OUR STATION AT PERRYTON CEMENTING	OUR ENGINEER MANESS JR	SIGNED FOR YOU BY FULTON
FOR SERVICING WELL NAME ROBINS 3-7	COUNTY SEWARD	STATE KS 15

PRODUCT CODE	DESCRIPTION	UNIT OF MEASURE	QUANTITY	LIST PRICE/UNIT	GROSS AMOUNT	PERCENT DISC.	NET AMOUNT
J3915	MILEAGE, AUTO/PICK-UP/TREATING VAN	MILE	30.0	1.900			57.00
J3905	MILEAGE, HEAVY VEHICLE, PER UNIT	MILE	30.0	3.150			94.50
J4015	BULK MATERIAL DELIVERY, DRY	TONMI	364.0	1.060			385.84
F0075	CEMENT CASING, 2501 - 3000 FT	6HRS	1.0	1470.000			1,470.00
M1005	BULK MATERIALS SERVICE CHARGE	CU FT	448.0	1.500			672.00
P432F	PREMIUM CMT, PERRYTON, TX	SACK	155.0	10.930			1,694.15
P392F	PREM PLUS CMT, PERRYTON, TX	SACK	234.0	11.530			2,698.02
P422F	POZ A, PERRYTON, TX	SACK	41.0	5.810			238.21
P2495	BENTONITE	LB	2002.0	.190			380.38
P1955	FL-52	LB	73.0	10.750			784.75
P2035	A-10	LB	1457.0	.350			509.95
H5027	CALC CHLORIDE-TX PANHANDLE	LB	560.0	.420			235.20
P0615	POTASSIUM CHLORIDE	LB	950.0	.310			294.50
P3315	MUD CLEAN I	GAL	840.0	.680			571.20
13150	GUIDE SHOE/LONG BOX 4.5 - 8RD	EACH	1.0	132.000			132.00
17174	INSERT FLOAT, STC 4 1/2 - 8RD	EACH	1.0	236.000			236.00
17347	STAGE CEMENTING TOOL 4.5 - 8RD	EACH	1.0	3545.000			3,545.00
17062	CENTRALIZER, WITH PINS, 4 1/2 INCH	EACH	4.0	63.500			254.00
17129	STOP COLLAR, 4 1/2 INCH	EACH	1.0	22.550			22.55
F0385	CEMENT CASING, ADDITIONAL HOURS	HOUR	4.0	260.000			1,040.00
17114	CEMENT BASKET, SLIP ON, 4 1/2 INCH	EACH	1.0	183.000			183.00

CONFIDENTIAL
FROM CONFIDENTIAL
DEC 1 9 1996
JAN 29 1997
RELEASED

90300 SALES CONCESSION ON BID JOBS

Lease Robbins 3-7

Repair or Replacement	<input type="checkbox"/>	Account Charge	<u>674</u>
New Installation	<input checked="" type="checkbox"/>	Approved by	<u>[Signature]</u>

LEASE <u>057880</u>	NAME <u>ROBB</u>
EXP. <u>624</u>	BY <u>MM</u>

5,424.36

PHONE: (713) 462-4239

TERMS: NET 30 DAYS

PAY THIS AMOUNT →

10,073.85

ORIGINAL

CONFIDENTIAL

ACCOUNTING COPY

BJ Services Company

SERVICE ORDER AND FIELD RECEIPT NO. L 408588

RECEIVED
STATE COMMISSION
JAN 17 1997

ORIGINAL Pg. 182

CUSTOMER (COMPANY NAME) Kaiser Francis		CREDIT APPROVAL NO.	PURCHASE ORDER NO.	CUSTOMER NUMBER 47170-008	INVOICE NUMBER 54449
MAIL STREET OR BOX NUMBER Box 746		CITY Perryton	CONSERVATION DIVISION Wichita	STATE Kansas	ZIP CODE 79070
INVOICE TO:	DATE WORK MO. DAY YEAR 11 20 96	BJ SERVICES SUPERVISOR B. Maness	WELL TYPE: (CHECK ONE) 1 <input checked="" type="checkbox"/> NEW 2 <input type="checkbox"/> OLD	JOB TYPE CODES	
COMPLETED:	BJ SERVICES DISTRICT Perryton Tx	JOB DEPTH (FT.) 2879	WELL CLASS: (CHECK ONE) 1 <input checked="" type="checkbox"/> OIL 2 <input type="checkbox"/> GAS 3 <input type="checkbox"/> DISPOSAL 4 <input type="checkbox"/> INJECTION	CEMENTING SERVICES 10. CONDUCTOR 11. SURFACE 12. INTERMEDIATE 13. LONG 14. LINER 15. TIEBACK 16. PLUG & ABANDON 17. PLUG BACK 18. SQUEEZE 19. PUMPING (CEMENT) 20. BULK SALES (CEMENT)	
WELL NAME AND NUMBER Robins 3-7	TD WELL DEPTH (FT.) 2850	GAS USED ON JOB: (CHECK ONE) 1 <input type="checkbox"/> N ₂ 2 <input type="checkbox"/> CO ₂	3 <input checked="" type="checkbox"/> NONE 4 <input type="checkbox"/> BINARY	STIMULATION SERVICES 30. ACID, MATRIX 31. ACID, FRACTURE 32. FRACTURE, 0-9,999 psi 33. FRACTURE, 10,000+ psi 34. PUMPING (STIM) 35. BULK SALE (STIM) 40. SAND CONTROL 41. GRAVEL PACK TOOL SALES 42. GRAVEL PACK TOOL RENTAL	
WELL LOCATION: SEC/TWP/RGE Sec 7-33S-31W	COUNTY Seward	STATE Ks.	TOOL SERVICES 50. TOOL SALE 51. TOOL RENTAL 52. TOOL REDRESS 53. TOOL SERVICE		

PRODUCT CODE	DESCRIPTION	UNIT OF MEASURE	QUANTITY	LIST PRICE UNIT	GROSS AMOUNT	PERCENT DISC	NET AMOUNT
J-3915	Pick-up Mileage	mi	30 0	1 90	57 00		
J-3905	Equipment Mileage	mi	30 0	3 15	94 50		
J-4015	Delivery Charge	T-mi	364 0	1 06	385 84		
F0075	Cement Pump @ 2800'	EA	1 0	1 470 00	1 470 00		
M1005	Service Charge	FT3	448 0	1 50	672 00		
P432F	Class H Cement 14570	SK	155 0	10 93	1 694 00		
P392F	Class C Cement 25850	SK	234 0	11 53	2 698 02		
P422F	Poz 3034	SK	41 0	5 81	238 21		
P2495	Bentonite 2002	Pd	2 002 0	19	380 38		
P1455	Fl-52 73	Pd	73 0	10 75	784 75		
P2035	Gypsum 1457	Pd	1 457 0	35	509 95		
H5027	Calcium Chloride 560	Pd	560 0	42	235 20		
P0615	Potassium Chloride 950	Pd	950 0	31	294 50		
P3515	Wmw I. mud Flush	EA	840 0	69	571 20		
13150	Guide Shoe	EA	1 0	132 00	132 00		
17174	Insert Float w/AFU	EA	1 0	236 00	236 00		
17347	Stage Tool	EA	1 0	3 545 00	3 545 00		
17062	Centralizers	EA	4 0	63 50	254 00		
17129	Stop Collar	EA	1 0	22 56	22 56		
F0385	Additional Hours	EA	4 0	260 00	1 040 00		

CONFIDENTIAL

RELEASED
JAN 29 1999
CONFIDENTIAL

ORIGINAL

ORIGINAL

ARRIVE LOCATION **11 20 96 7:00**

SERVICE ORDER: I AUTHORIZE WORK TO BEGIN PER SERVICE INSTRUCTIONS IN ACCORDANCE WITH TERMS AND CONDITIONS PRINTED ON THE REVERSE SIDE OF THIS FORM AND REPRESENT THAT I HAVE AUTHORITY TO ACCEPT AND SIGN THIS ORDER.

SERVICE RECEIPT: I CERTIFY THAT THE MATERIALS AND SERVICES LISTED WERE RECEIVED AND ALL SERVICES PERFORMED IN A WORKMANLIKE MANNER.

CUSTOMER REP. LAST NAME
Fulton

SEE REVERSE SIDE FOR GENERAL TERMS AND CONDITIONS

[Signature]
CUSTOMER AUTHORIZED AGENT

CUSTOMER AUTHORIZED AGENT
[Signature]

BJ SERVICES APPROVED
[Signature]

CONFIDENTIAL

ORIGINAL

RELEASED

JAN 29 1999

15-175-21568

FROM CONFIDENTIAL

KAISER-FRANCIS OIL COMPANY
ROBBINS # 3-7
SEWARD COUNTY, KANSAS

FULL DIAMETER CORE ANALYSIS

KCC

DEC 15

CONFIDENTIAL

RECEIVED
STATE CORPORATION COMMISSION

JAN 17 1997

CONSERVATION DIVISION
Wichita, Kansas

Reservoirs

Inc.

KAISER-FRANCIS OIL COMPANY

Well: ROBBINS # 3-7
 County: SEWARD COUNTY, KANSAS
 FULL DIAMETER CORE ANALYSIS

Date: 11-20-96
 Job No.: RMC380
 Analyst: DAVID FLOYD

RECEIVED
 STATE CORPORATION COMMISSION
 JAN 17 1997
 CONSERVATION DIVISION
 Wichita, Kansas

SAMPLE NO.	DEPTH		PERMEABILITY		POR %	GRAIN DENS	% FLUIDS		ROP	LITHOLOGY
			Kmax	K90			H2O	OIL		
1	2590	2591	0.91	0.87	14.1	2.76	49.0	0.0	4	Ss tn vfgr w cons sl calc sl anhy intgr por
2	2591	2592	0.17	0.17	8.7	2.71	41.4	0.0	5	Ss tn vfgr w cons sl calc tr anhy tr intgr por
3	2592	2593	0.42	0.30	7.3	2.71	43.6	0.0	4	Ss tn vfgr w cons sl calc tr anhy tr intgr por
4	2593	2594	0.39	0.19	11.0	2.72	44.6	0.0	4	Ss tn vfgr w cons sl calc tr anhy intgr por
5	2594	2595	0.70	0.62	11.6	2.75	59.2	0.0	4	Ss tn vfgr w cons sl calc tr anhy intgr por
6	2595	2596	0.24	Kplug	12.3	2.74	58.4	0.0	3	Ss tn vfgr w cons sl calc sh lam intgr por
7	2596	2597	0.13	Kplug	13.2	2.73	57.3	0.0	4	Ss tn vfgr w cons sl calc sh lam intgr por
8	2597	2598	0.17	Kplug	12.1	2.73	68.1	0.0	5	Ss tn vfgr w cons sl calc sh lam intgr por
9	2598	2599	0.23	0.16	9.4	2.76	64.5	0.0	5	Ss tn vfgr w cons sl calc sh lam tr intgr por
10	2599	2600	0.25	0.25	3.3	2.66	95.4	0.0	5	Sh gy-gyblk intbd ss lam grdgd to ss
11	2600	2601	0.18	0.14	3.6	2.68	94.7	0.0	6	Sh gy-gyblk intbd ss lam grdgd to ss
12	2601	2602	0.54	0.20	4.5	2.71	93.4	0.0	10	Sh gy-gyblk intbd ss lam grdgd to ss
13	2602	2603	7.10	4.12	5.9	2.77	88.6	0.0	9	Sh gy-gyblk intbd ss lam grdgd to ss
14	2603	2604	0.26	0.13	2.5	2.68	96.8	0.0	9	Sh gy-gyblk intbd ss lam grdgd to ss
15	2604	2605	0.80	0.18	2.9	2.71	96.7	0.0	6	Sh gy-gyblk intbd ss lam grdgd to ss
16	2605	2606	0.09	0.07	2.9	2.73	95.7	0.0	6	Sh gy-gyblk intbd ss lam grdgd to ss
17	2606	2607	0.42	0.15	2.8	2.70	96.0	0.0	5	Sh gy-gyblk intbd ss lam grdgd to ss
18	2607	2608	0.12	0.11	2.8	2.71	95.1	0.0	6	Sh gy-gyblk intbd ss lam grdgd to ss
19	2608	2609	0.12	0.09	4.4	2.81	55.0	0.0	6	Dol mod slty mod shly sl sdy tr por
20	2609	2610	0.13	0.06	4.1	2.78	52.3	0.0	9	Dol mod slty mod shly sl sdy tr por
21	2610	2611	0.10	0.08	4.2	2.77	58.5	0.0	6	Dol mod slty mod shly sl sdy tr por
22	2611	2612	0.09	0.09	6.4	2.79	56.0	0.0	5	Dol mod slty sl-mod shly sl sdy tr por
23	2612	2613	0.14	0.12	5.7	2.81	53.8	0.0	4	Dol mod-sl slty sl shly tr sdy tr por
24	2613	2614	0.24	0.23	8.5	2.80	42.8	0.0	4	Dol sl-mod slty shly lam tr-sct por
25	2614	2615	0.46	0.31	9.3	2.81	44.1	0.0	3	Dol sl-mod slty shly lam tr-sct por

KAISER-FRANCIS OIL COMPANY

Well: ROBBINS # 3-7
 County: SEWARD COUNTY, KANSAS
 FULL DIAMETER CORE ANALYSIS

Date: 11-20-96
 Job No.: RMC380
 Analyst: DAVID FLOYD

SAMPLE NO.	DEPTH		PERMEABILITY		POR %	GRAIN DENS	% FLUIDS		ROP	LITHOLOGY
			Kmax	K90			H2O	OIL		
26	2615	2616	0.46	0.42	10.2	2.80	43.7	0.0	3	Dol sl-mod slty shly lam sct por
27	2616	2617	0.63	0.56	9.3	2.84	41.7	0.0	3	Dol sl slty sl shly tr anhy sct-tr por
28	2617	2618	0.63	0.63	12.3	2.82	37.2	0.0	4	Dol sl slty sl shly tr anhy sct por
29	2618	2619	0.12	0.09	8.0	2.82	65.2	0.0	4	Dol sl slty sl shly tr anhy sct-tr por
30	2619	2620	0.14	0.12	8.2	2.83	65.4	0.0	3	Dol sl slty sl shly tr anhy sct-tr por
31	2620	2621	0.14	0.14	8.4	2.83	73.6	0.0	4	Dol sl slty sl shly tr anhy sct-tr por
32	2621	2622	0.25	0.24	8.9	2.84	61.1	0.0	3	Dol sl slty sl shly tr anhy sct-tr por
33	2622	2623	1.41	1.37	11.6	2.83	37.0	0.0	2	Dol sl slty sl shly sl anhy sct por
34	2623	2624	1.56	1.53	11.7	2.83	38.5	0.0	3	Dol sl slty sl shly sl anhy sct por
35	2624	2625	1.52	1.19	11.3	2.83	40.5	0.0	5	Dol sl slty sl shly sl anhy sct por
36	2625	2626	2.37	2.14	13.3	2.83	36.5	0.0	5	Dol sl slty sl shly sl anhy sct por
37	2626	2627	1.35	1.20	12.7	2.83	42.7	0.0	3	Dol sl slty sl shly sl anhy sct por
38	2627	2628	0.85	0.80	12.3	2.84	43.1	0.0	4	Dol sl slty sl shly anhy incl sct por
39	2628	2629	1.25	1.22	11.5	2.84	38.8	0.0	3	Dol sl slty sl shly anhy incl sct por
40	2629	2630	21.56	3.78	11.7	2.84	35.2	0.0	3	Dol sl slty sl shly anhy incl sct por
41	2630	2631	0.82	0.79	11.3	2.83	44.3	0.0	3	Dol sl slty sl shly sl anhy sct por
42	2631	2632	1.64	1.41	10.1	2.84	41.9	0.0	4	Dol sl slty sl shly anhy incl sct por
43	2632	2633	1.44	1.10	10.9	2.85	47.7	0.0	4	Dol sl slty sl shly anhy incl sct por
44	2633	2634	2.35	2.17	13.0	2.84	38.5	0.0	4	Dol sl slty sl shly anhy incl sct por
45	2634	2635	1.56	1.39	11.6	2.84	40.5	0.0	3	Dol sl slty sl shly anhy incl sct por
46	2635	2636	0.63	0.59	8.9	2.85	45.5	0.0	3	Dol sl slty tr sh anhy incl tr-sct por
47	2636	2637	5.10	4.80	14.5	2.84	41.2	0.0	3	Dol sl slty sl shly anhy incl sct por
48	2637	2638	3.50	3.12	12.5	2.85	38.4	0.0	3	Dol sl slty sl shly anhy incl sct por
49	2638	2639	2.94	2.88	12.6	2.84	38.6	0.0	4	Dol sl slty sl shly anhy incl sct por
50	2639	2640	0.75	0.71	12.2	2.83	44.4	0.0	5	Dol sl slty sl shly anhy incl sct por

KAISER-FRANCIS OIL COMPANY

Well: ROBBINS # 3-7

County: SEWARD COUNTY, KANSAS

FULL DIAMETER CORE ANALYSIS

Date: 11-20-96

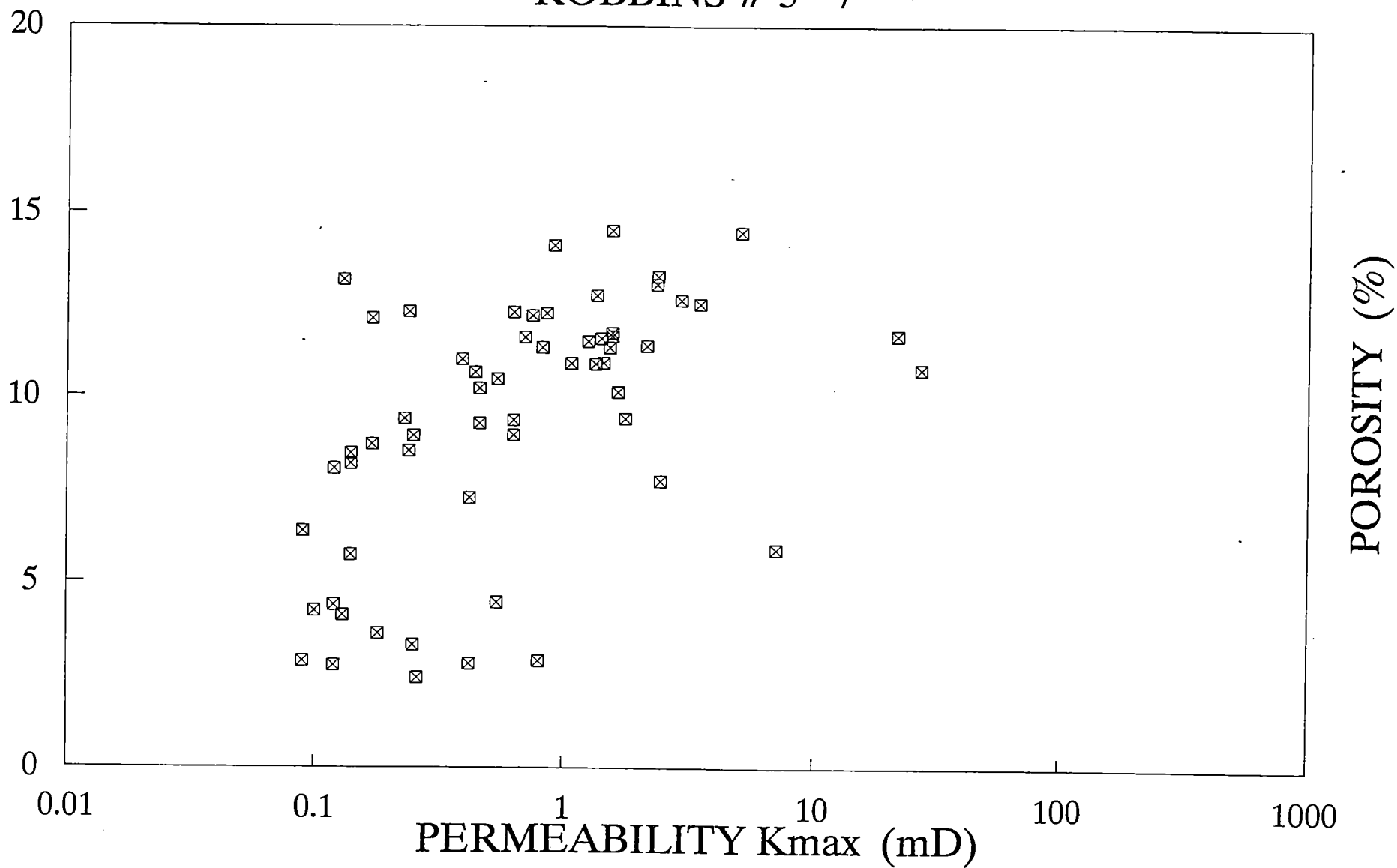
Job No.: RMC380

Analyst: DAVID FLOYD

SAMPLE NO.	DEPTH		PERMEABILITY		POR %	GRAIN DENS	% FLUIDS		ROP	LITHOLOGY
			Kmax	K90			H2O	OIL		
51	2640	2641	0.54	0.49	10.5	2.84	50.9	0.0	5	Dol sl slty sl shly anhy incl sct por
52	2641	2642	2.15	2.09	11.4	2.84	43.7	0.0	5	Dol sl slty sl shly anhy incl sct por
53	2642	2643	1.76	1.21	9.4	2.84	42.4	0.0	5	Dol sl slty tr sh sct anhy incl sct-tr por
54	2643	2644	1.07	0.70	10.9	2.83	53.1	0.0	9	Dol sl slty tr sh sct anhy incl sct por
55	2644	2645	2.44	0.73	7.7	2.84	46.5	0.0	8	Dol sl slty tr sh sct anhy incl tr por
56	2645	2646	26.88	1.29	10.8	2.84	42.5	0.0	7	Dol sl slty sl shly anhy incl sct por
57	2646	2647	1.34	1.33	10.9	2.84	44.9	0.0	5	Dol sl slty sl shly anhy incl sct por
58	2647	2648	0.44	0.38	10.6	2.82	68.7	0.0	8	Dol sl-mod slty tr sh sct anhy sct por
59	2648	2649	1.55	0.77	14.5	2.80	57.8	0.0	3	Dol sl-mod slty tr sh sct anhy sct por
	2649	2650							4	Not Recovered
										LOST CORE

KAISER-FRANCIS OIL COMPANY

ROBBINS # 3-7



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