Well name: KLEIN FEE NO.1

Interval : 11550.0010 to 11667.0010 by 0.5000 feet
Depth Reference Channel: 1 (M. DEPTH)

Curves	Chan #	Cutoff value(s)	Method
Sw	(120)	0.6000	LT
Porosity	(6)	0.0300	GT

TOP INTERVAL	(F)	11550.0010
BASE INTERVAL	(F)	11667.0010
GROSS THICKNESS	(F)	117.5000
NET PAY THK	(F)	75.5000
NET/GROSS RATIO	(F)	0.6426
LOWER Sw CUTOFF		0.6000
PAY ARITH AVG Sw		0.2646
PAY MINIMUM Sw		0.0935
PAY MAXIMUM Sw		0.5388
PAY HC THK	(F)	3.2012
SW (phi-wt)		0.2564
LOWER POROSITY CUTOFF		0.0300
PAY ARITH AVG POROSITY		0.0570
PAY MINIMUM POROSITY		0.0302
PAY MAXIMUM POROSITY		0.1047
PAY POROSITY THK	(F)	4.3050

Net pay depth listing for the interval

Minimum allowable net pay thickness: 0.0000 (Ft)

Depth Interval (Ft)	Thickness	Sw	Porosity
11561.0010-11562.0010	1.5000	0.2672	0.0356
11564.0010-11565.5010	2.0000	0.2671	0.0337
11568.0010-11570.0010	2.5000	0.3234	0.0429
11572.5010-11587.0010	15.0000	0.1982	0.0732
11588.0010-11594.0010	6.5000	0.2163	0.0483
11595.0010-11595.0010	0.5000	0.2974	0.0302
11597.0010-11604.5010	8.0000	0.2597	0.0524
11605.5010-11612.5010	7.5000	0.2590	0.0452
11613.5010-11619.5010	6.5000	0.2701	0.0486
11621.0010-11636.0010	15.5000	0.3251	0.0768
11637.0010-11638.0010	1.5000	0.4529	0.0319

11639.0010-11645.5010	7.0000	0.2926	0.0404
11651.5010-11652.5010	1.5000	0.1088	0.0367

Total interval evaluated : 117.5000 (Ft) (11550.0010 - 11667.0010)
Total number of pay intervals : 13
Total net pay thickness : 75.5000 (Ft)
Mean pay interval thickness : 5.8077 (Ft)
Thinnest pay interval : 0.5000 (Ft)
Thickest pay interval : 15.5000 (Ft)
Average porosity in pay : 0.0570

Well Name: KLEIN FEE NO.1

M.DEPTH	DPHI	RT	SWARC
11550.0			
11551.0			
11552.0			
11553.0			
11554.0	0.0434		
11555.0	0.0293		
11556.0	0.0164	162.24	0.7354
11557.0	0.0076	341.83	1.000
11558.0	0.0154	365.22	0.5219
11559.0	0.0282	82.06	0.6013
11560.0	0.0274	143.42	0.4681
11561.0	0.0334	217.49	0.3118
11562.0	0.0358	339.33	0.2329
11563.0	0.0222	223.06	0.4632
11564.0	0.0309	233.63	0.3252
11565.0	0.0365	318.79	0.2357
11566.0	0.0278	303.82	0.3169
11567.0	0.0219	250.77	0.4428
11568.0	0.0331	228.50	0.3069
11569.0	0.0518	103.44	0.2915
11570.0	0.0391	97.71	0.3973
11571.0	0.0154	148.48	0.8183
11572.0	0.0295	186.03	0.3816
11573.0	0.0658	122.85	0.2105
11574.0	0.0851	94.15	0.1860
11575.0	0.0630	88.05	0.2597
11576.0	0.0915	85.32	0.1817
11577.0	0.0956	88.01	0.1712
11578.0	0.0994	80.63	0.1720
11579.0	0.1039	81.41	0.1638
11580.0	0.0827	89.59	0.1961
11581.0	0.0753	79.87	0.2281
11582.0	0.0802	120.99	0.1740
11583.0	0.0653	159.62	0.1861
11584.0	0.0448	230.31	0.2258
11585.0	0.0528	316.44	0.1634
11586.0	0.0556	254.17	0.1732
11587.0	0.0316	211.98	0.3337
11588.0	0.0352	205.59	0.3041
11589.0	0.0451	235.62	0.2217
11590.0	0.0522	259.18	0.1827
11591.0	0.0538	285.14	0.1690
11592.0	0.0547	275.17	0.1692
11593.0	0.0550	229.56	0.1842
11594.0	0.0321	208.42	0.3312
11595.0	0.0302	291.99	0.2974

11596.0	0.0285	233.79	0.3522
11597.0	0.0349	172.95	0.3344
11598.0	0.0523	167.75	0.2266
11599.0	0.0747	144.32	0.1710
11600.0	0.0717	158.70	0.1699
11601.0	0.0556	153.06	0.2231
11602.0	0.0464	147.39	0.2724
11603.0	0.0377	131.23	0.3553
11604.0	0.0444	120.57	0.3147
11605.0	0.0293	173.21	0.3979
11606.0	0.0405	209.45	0.2618
11607.0	0.0405	207.40	0.2631
11608.0	0.0451	210.79	0.2343
11609.0	0.0395	180.00	0.2895
11610.0	0.0443	203.38	0.2429
11611.0	0.0559	162.25	0.2155
11612.0	0.0552	155.22	0.2231
11613.0	0.0294	112.32	0.4924
11614.0	0.0408	92.84	0.3902
11615.0	0.0498	120.02	0.2812
11616.0	0.0437	132.36	0.3051
11617.0	0.0560	163.12	0.2145
11618.0	0.0584	268.30	0.1604
11619.0	0.0518	230.33	0.1951
11620.0	0.0230	201.53	0.4698
11621.0	0.0431	262.37	0.2197
11622.0	0.0812	124.82	0.1691
11623.0	0.0690	19.78	0.4999
11624.0	0.0657	36.73	0.3852
11625.0	0.0768	30.21	0.3634
11626.0	0.0967	27.29	0.3036
11627.0	0.0922	18.66	0.3851
11628.0	0.0792	26.60	0.3755
11629.0	0.0861	32.93	0.3104
11630.0	0.0807	33.20	0.3298
11631.0	0.0892	36.13	0.2861
11632.0	0.0948	44.79	0.2417
11633.0	0.0770	42.29	0.3063
11634.0	0.0670	45.64	0.3388
11635.0	0.0635	52.67	0.3328
11636.0	0.0404	49.63	0.5388
11637.0	0.0315	88.87	0.5164
11638.0	0.0302	142.27	0.4257
11639.0	0.0327	209.50	0.3240
11640.0	0.0343	158.68	0.3549
11641.0	0.0491	184.97	0.2296
11642.0	0.0500	191.67	0.2215
11643.0	0.0411	160.28	0.2947

o-w ok

11644.0	0.0420	156.62	0.2917
11645.0	0.0319	184.25	0.3541
11646.0	0.0282	317.02	0.3053
11647.0	0.0133	560.10	0.4871
11648.0	0.0170	1011.1	0.2836
11649.0	0.0076	1252.6	0.5699
11650.0	0.0110	1345.4	0.3800
11651.0	0.0237	1342.3	0.1765
11652.0	0.0396	1477.7	0.1007
11653.0	0.0250	1962.5	0.1384
11654.0	0.0153		
11655.0	0.0144		
11656.0	0.0069		
11657.0	-0.0011		1.000
11658.0	-0.0098		1.000
11659.0	-0.0044		1.000
11660.0	-0.0052		1.000
11661.0	-0.0117		1.000
11662.0			
11663.0			
11664.0			
11665.0			
11666.0			
11667.0			

WEST LOVINGTON STRAWN UNITIZATION

3% CROSSPLOT POROSITY CUTOFF
HYDROCARBON PORE VOLUME BASIS FOR CALCULATION OF
ORIGINAL OIL IN PLACE

May 15, 1997

	TRACT 1 HAMILTON	TRACT 2 EARNESTINE	TRACT 3 STATE "S"	TRACT 4 STATE "T"	TRACT 5 SPEIGHT	TRACT 6 SNYDER	TRACT 7 ROOT	TRACT 8 WILEY "A"	TRACT 9 WILEY "B"	TRACT 10 KLEIN "A"	TRACT 11 KLEIN "B"	TOTAL EXISTING UNIT	TRACT 12 "S" 1-A	TRACT 13 "S" 1-B	TRACT 14 CHANDLER	OUTSIDE UNIT	TOTAL
HYDROCARBON PORE VOLUME (AC/FT) RW = 0.052												3172.60	68.10	62.20	8.50	121.40	3432.80
% OF TOTAL OF RESERVOIR												92.420%	1.984%	1.812%	0.248%	3.536%	100.000%
ORIGINAL OIL IN PLACE (MBO) (HPV*7.758/BOI where BOI=2.2307)												11033.77	236.84	216.32	29.56	422.21	11938.70
OOIP ADJUSTED FOR VOLUME OUTSIDE OF UNIT												11438.24	245.57	224.22	30.67	0.00	11938.70
CUM PRODUCTION AS OF 5/1/95												1336.20	0.00	0.00	0.00	0.00	1336.20
REMAINING OIL IN PLACE												10102.04	245.57	224.22	30.67	0.00	10602.50
TRACT PARTICIPATION %												95.2797924	2.3161519	2.1147842	0.2892715	0.0000000	100.0000000
EXISTING TRACT PARTICIPATION %	19.8573886	16.8776208	12.6504860	4.8793213	21.2989623	9.5103287	5.0822238	3.8706062	2.6918395	1.7662177	1.5150051	100.0000000					
PROPOSED TRACT PARTICIPATION %	18.9200786	16.0809621	12.0533568	4.6490072	20.2936070	9.0614214	4.8423323	3.6879056	2.5647791	1.6828486	1.4434937		2.3161519	2.1147842	0.2892715	0.0000000	100.0000000