REQUESTOR: SMITH
DATE: SEPTEMBER 28, 1989

W284

CLAY X-RAY REPORT
PENNZOIL
BN,15-22
API # 33053010300000
SEC 15 , T 146 N , R 101
ND

WEIGHT PERCENT IN CRYSTALLINE PORTION
CLAY SIZE FRACTION (0.26-4.7 MICRON) ONLY
SAMPLE NUMBER AND DEPTH

	ND-S-1025A	ND-S-1026A	ND-S-1029A
	10960.00F	10960.00F	10993.00-10994.00
CRYSTALLINE COMPONENTS	09/27/89	09/27/89	09/27/89
CHLORITE	.( )	.( )	.( )
CHLORITE/KAOLINITE**	.( )	.( )	.( )
KAOLINITE	.( )	.( )	.( )
ILLITE	100( )	98( )	94( )
SMEC.(05)/ILL.(95)*	.( )	.( )	.( )
SMEC.(10)/ILL.(90)*	.( )	.( )	.( )
SMEC.(15)/ILL.(85)*	.( )	.( )	.( )
SMEC.(20)/ILL.(80)*	.( )	.( )	.( )
SMEC.(25)/ILL.(75)*	.( )	.( )	.( )
SMEC.(30)/ILL.(70)*	.( )	.( )	.( )
SMEC.(35)/ILL.(65)*	.( )	.( )	.( )
SMEC.(40)/ILL.(60)*	.( )	.( )	.( )
SMEC.(45)/ILL.(55)*	.( )	.( )	.( )
SMEC.(50)/ILL.(50)*	.( )	.( )	.( )
SMEC.(55)/ILL.(45)*	.( )	.( )	.( )
SMEC.(60)/ILL.(40)*	.( )	.( )	.( )
SMEC.(65)/ILL.(35)*	.( )	.( )	.( )
SMEC.(70)/ILL.(30)*	.( )	.( )	.( )
SMEC.(75)/ILL.(25)*	.( )	.( )	.( )
SMEC.(80)/ILL.(20)*	.( )	.( )	.( )
SMEC.(85)/ILL.(15)*	.( )	.( )	.( )
SMEC.(90)/ILL.(10)*	.( )	.( )	.( )
SMEC.(95)/ILL.(95)*	.( )	.( )	.( )
SMECTITE	.( )	.( )	.( )
MONTMORILLONITE	.( )	.( )	.( )

95 % Confidence limit is indicated in parenthesis. TR = Trace, less than 1%.

REQUESTOR: SMITH
DATE: SEPTEMBER 28, 1989

D284

BULK X-RAY REPORT
PENNZOIL
BN,15-22
API # 33053010300000
SEC 15 , T 146 N , R 101

WEIGHT PERCENT IN CRYSTALLINE PORTION

SAMPLE NUMBER AND DEPTH

CRYSTALLINE COMPONENTS	ND-S-1028A 10965.00F 09/27/89	ND-S-1029A 10993.00-10994.00 09/27/89
QUARTZ	32( )	32( )
CRISTOBALITE	.( )	.( )
OPAL-CT	.( )	.( )
FELDSPAR	.( )	.( )
K FELDSPAR	6( )	5( )
NA FELDSPAR	3( )	4( )
CALCITE	0( )TR	0( )TR
DOLOMITE	7( )	17( )
SIDERITE	.( )	.( )
GYPSUM	.( )	.( )
BARITE	.( )	.( )
HEMATITE	.( )	.( )
PYRITE	34( )	16( )
CHLORITE	.( )	.( )
CHLORITE/KAOLINITE**	.( )	.( )
KAOLINITE	.( )	.( )
ILLITE	17( )	23( )
SMEC.(05)/ILL.(95)*	.( )	.( )
SMEC.(10)/ILL.(90)*	.( )	.( )
SMEC.(15)/ILL.(85)*	.( )	.( )
SMEC.(20)/ILL.(80)*	.( )	.( )
SMEC.(25)/ILL.(75)*	.( )	.( )
SMEC.(30)/ILL.(70)*	.( )	.( )
SMEC.(35)/ILL.(65)*	.( )	.( )
SMEC.(40)/ILL.(60)*	.( )	.( )
SMEC.(45)/ILL.(55)*	.( )	.( )
SMEC.(50)/ILL.(50)*	.( )	.( )
SMEC.(55)/ILL.(45)*	.( )	.( )
SMEC.(60)/ILL.(40)*	.( )	.( )
SMEC.(65)/ILL.(35)*	.( )	.( )
SMEC.(70)/ILL.(30)*	.( )	.( )
SMEC.(75)/ILL.(25)*	.( )	.( )
SMEC.(80)/ILL.(20)*	.( )	.( )
SMEC.(85)/ILL.(15)*	.( )	.( )
SMEC.(90)/ILL.(10)*	.( )	.( )
SMEC.(95)/ILL.(95)*	.( )	.( )
SMECTITE	.( )	.( )
MONTMORILLONITE	.( )	.( )

95 % Confidence limit is indicated in parenthesis. TR = Trace, less than 1%.

REQUESTOR: SMITH
DATE: SEPTEMBER 28, 1989

D284

BULK X-RAY REPORT
PENNZOIL
BN,15-22
API # 33053010300000
SEC 15 , T 146 N , R 101

WEIGHT PERCENT IN CRYSTALLINE PORTION

SAMPLE NUMBER AND DEPTH

CRYSTALLINE COMPONENTS	ND-S-1024A 10959.00F 09/27/89	ND-S-1025A 10960.00F 09/27/89	ND-S-1026A 10960.00F 09/27/89	ND-S-1027A 10962.00F 09/27/89
QUARTZ	52( )	73( )	45( )	66( )
CRISTOBALITE	.( )	.( )	.( )	.( )
OPAL-CT	.( )	.( )	.( )	.( )
FELDSPAR	.( )	.( )	.( )	.( )
K FELDSPAR	8( )	1( )	5( )	5( )
NA FELDSPAR	4( )	.( )	4( )	3( )
CALCITE	.( )	21( )	2( )	0( )TR
DOLOMITE	7( )	1( )	5( )	4( )
SIDERITE	.( )	.( )	.( )	.( )
GYPSUM	.( )	.( )	.( )	.( )
BARITE	.( )	.( )	.( )	.( )
HEMATITE	.( )	.( )	.( )	.( )
PYRITE	19( )	3( )	10( )	11( )
CHLORITE	.( )	.( )	.( )	.( )
CHLORITE/KAOLINITE**	.( )	.( )	.( )	.( )
KAOLINITE	.( )	.( )	.( )	.( )
ILLITE	10( )	2( )	27( )	11( )
SMEC.(05)/ILL.(95)*	.( )	.( )	.( )	.( )
SMEC.(10)/ILL.(90)*	.( )	.( )	.( )	.( )
SMEC.(15)/ILL.(85)*	.( )	.( )	.( )	.( )
SMEC.(20)/ILL.(80)*	.( )	.( )	.( )	.( )
SMEC.(25)/ILL.(75)*	.( )	.( )	.( )	.( )
SMEC.(30)/ILL.(70)*	.( )	.( )	.( )	.( )
SMEC.(35)/ILL.(65)*	.( )	.( )	.( )	.( )
SMEC.(40)/ILL.(60)*	.( )	.( )	.( )	.( )
SMEC.(45)/ILL.(55)*	.( )	.( )	.( )	.( )
SMEC.(50)/ILL.(50)*	.( )	.( )	.( )	.( )
SMEC.(55)/ILL.(45)*	.( )	.( )	.( )	.( )
SMEC.(60)/ILL.(40)*	.( )	.( )	.( )	.( )
SMEC.(65)/ILL.(35)*	.( )	.( )	.( )	.( )
SMEC.(70)/ILL.(30)*	.( )	.( )	.( )	.( )
SMEC.(75)/ILL.(25)*	.( )	.( )	.( )	.( )
SMEC.(80)/ILL.(20)*	.( )	.( )	.( )	.( )
SMEC.(85)/ILL.(15)*	.( )	.( )	.( )	.( )
SMEC.(90)/ILL.(10)*	.( )	.( )	.( )	.( )
SMEC.(95)/ILL.(95)*	.( )	.( )	.( )	.( )
SMECTITE	.( )	.( )	.( )	.( )
MONTMORILLONITE	.( )	.( )	.( )	.( )

95 % Confidence limit is indicated in parenthesis.

TR = Trace, less than 1%.

DATE: JANUARY 3, 1990

NONCARBONATE CARBON REPORT
PENNZOIL
BN 15-22
API # 33053010300000
SEC 15 , T 146 N , R 101 W

D284

REQUESTOR: SMITH

ANALYSIS OF THE REQUESTED SAMPLES HAS BEEN COMPLETED. THE RESULTS ARE LISTED BELOW:

DEPTH, FT.	SAM	PREP	QUAL	ORIG	LITH	AGE/FORMN	WT% NCC	WT% C	WT% TOC	RESID AFTER LEACH
10963-10963	ND-S-1037A	ASIS	Y	CO	SH	319/BKKN	8.80	.	.	0.900

Sample Types

Co = Core	JB = Junk Basket	OT = Outcrop
PD = Picked Ditch	MI = Mine	SW = Sidewall
UD = Unpicked Ditch	MS = Quarry	NA = Not Applicable
ND = Not Determinable	OB = Ocean Bottom	X = Extracted

DATE: DECEMBER 11, 1989 D284

PARTNERS MATURITY REPORT
PENNZOIL
BN
API #
SEC 15 , T 146 N , R 101 W

REQUESTOR:

DEPTH	V #	ORIG	PREP	LITH	AGE/FM	Ro	OBS	MEAN :95%CL	KM	V	VR	F	SAM #
10960.00-10960.00	58396	CO		SH	319/BKKN		.	X . ± .	95	.	.	5	ND-S-1025A
10960.00-10960.00	58397	CO	RM	SH	319/BKKN	V	7	X1.26±0.11	94	4	.	2	ND-S-1026A
10993.00-10994.00	58398	CO	RM	SH	319/BKKN	V	9	X1.37±0.10	96	3	1	.	ND-S-1029A

D284

DATE: DECEMBER 11, 1989

RICHNESS REPORT
PENNZOIL
BN,15-22
API # 33053010300000
SEC 15 , T 146 N , R 101 W

REQUESTOR: SMITH

ANALYSIS OF THE REQUESTED SAMPLES HAS BEEN COMPLETED. THE RESULTS ARE LISTED BELOW:

DEPTH ,F	SAM	SAMP PREP	Q	FID PREP	ORIG	LITH	AGE/FM	PYROLYSIS FID ANAL. 50-199 HC WT%	200-399 HC WT%	400+ HC WT%	TOTAL HC YLD WT%	VRE	PEAK TEMP	TOC WT%	FID NUMBER	FID RUN	FID RUN DATE
10959.00-10959.00	ND-S-1024A	ASIS	Y	PO	CO	SH	319/BKKN	0.33	0.41	1.72	2.46	1.06	495	11.74	48354	1	09/12/89
				SH	BRN	BLK	TO BLK										
10960.00-10960.00	ND-S-1025A	ASIS	Y	PO	CO	SH	319/BKKN	0.16	0.15	0.61	0.92	1.12	500	4.87	48355	1	09/12/89
				SH	BRN	BLK	TO BLK										
10960.00-10960.00	ND-S-1026A	ASIS	Y	PO	CO	SH	319/BKKN	0.37	0.37	1.82	2.56	1.06	495	13.31	48356	1	09/12/89
				SH	BLK	?ALGAL											
10962.00-10962.00	ND-S-1027A	ASIS	Y	PO	CO	SH	319/BKKN	0.40	0.38	1.63	2.42	1.06	495	11.29	48357	1	09/12/89
				SH	BRN	BLK	TO BLK										
10965.00-10965.00	ND-S-1028A	ASIS	Y	PO	CO	SH	319/BKKN	0.24	0.28	0.83	1.36	1.06	495	9.08	48358	1	09/12/89
				SH	BRN	BLK	TO BLK										
10993.00-10994.00	ND-S-1029A	ASIS	Y	PO	CO	SH	319/BKKN	0.23	0.26	0.89	1.38	1.12	500	8.52	48359	1	09/12/89
				SH	BRN	BLK	TO BLK										

DATE: DECEMBER 11, 1989

D284

PARTNERS MATURITY REPORT
PENNZOIL
BN
API #
SEC 15 , T 146 N , R 101 W

REQUESTOR:

DEPTH	V #	ORIG	PREP	LITH	AGE/FM	Ro OBS MEAN :95%CL	KM	V	VR	F	SAM #

SAMPLE ORIGIN

CO = Core	JB = Junk Basket	OT = Outcrop
PD = Picked Ditch	MI = Mine	SW = Sidewall
UD = Unpicked Ditch	MS = Quarry	NA = Not Applicable
ND = Not Determinable	OB = Ocean Bottom	X = Extracted

PREPARATION TYPES

KC = Kerogen Concentrate	RM = Rock Mount	RP = Rock Pellet
CP = Crushed Pellet or Coal Pellet		

MACERAL TYPES

KM = Massive kerogen	V = Vitrinite	VR = Reworked vitrinite
F = Fusinite		

REQUESTOR: SMITH
DATE: JANUARY 29, 1990

D 284

BULK X-RAY REPORT
PENNZOIL
BN,15-22
API # 33053010300000
SEC 15 , T 146 N , R 101 W

WEIGHT PERCENT IN CRYSTALLINE PORTION

SAMPLE NUMBER AND DEPTH

	ND-S-1037A 10963.00F 01/25/90
CRYSTALLINE COMPONENTS	
QUARTZ	56( )
CRISTOBALITE	.( )
OPAL-CT	.( )
FELDSPAR	.( )
K FELDSPAR	2( )
NA FELDSPAR	3( )
CALCITE	1( )
DOLOMITE	5( )
SIDERITE	.( )
GYPSUM	.( )
BARITE	.( )
HEMATITE	.( )
PYRITE	27( )
CHLORITE	.( )
CHLORITE/KAOLINITE**	.( )
KAOLINITE	1( )
ILLITE	6( )
SMEC.(05)/ILL.(95)*	.( )
SMEC.(10)/ILL.(90)*	.( )
SMEC.(15)/ILL.(85)*	.( )
SMEC.(20)/ILL.(80)*	.( )
SMEC.(25)/ILL.(75)*	.( )
SMEC.(30)/ILL.(70)*	.( )
SMEC.(35)/ILL.(65)*	.( )
SMEC.(40)/ILL.(60)*	.( )
SMEC.(45)/ILL.(55)*	.( )
SMEC.(50)/ILL.(50)*	.( )
SMEC.(55)/ILL.(45)*	.( )
SMEC.(60)/ILL.(40)*	.( )
SMEC.(65)/ILL.(35)*	.( )
SMEC.(70)/ILL.(30)*	.( )
SMEC.(75)/ILL.(25)*	.( )
SMEC.(80)/ILL.(20)*	.( )
SMEC.(85)/ILL.(15)*	.( )
SMEC.(90)/ILL.(10)*	.( )
SMEC.(95)/ILL.(95)*	.( )
SMECTITE	.( )
MONTMORILLONITE	.( )

95 % Confidence limit is indicated in parenthesis. TR = Trace, less than 1%.

ANALYST: SMITH
DATE: JANUARY 29, 1990

CLAY X-RAY REPORT
PENNZOIL
BN,15-22
API # 33053010300000
SEC 15 , T 146 N , R 101 W

WEIGHT PERCENT IN CRYSTALLINE PORTION
CLAY SIZE FRACTION (0.26-4.7 MICRON) ONLY
SAMPLE NUMBER AND DEPTH

	ND-S-1037A
	10963.00F
CRYSTALLINE COMPONENTS	01/25/90
CHLORITE	.( )
CHLORITE/KAOLINITE**	.( )
KAOLINITE	3( )
ILLITE	97( )
SMEC.(05)/ILL.(95)*	.( )
SMEC.(10)/ILL.(90)*	.( )
SMEC.(15)/ILL.(85)*	.( )
SMEC.(20)/ILL.(80)*	.( )
SMEC.(25)/ILL.(75)*	.( )
SMEC.(30)/ILL.(70)*	.( )
SMEC.(35)/ILL.(65)*	.( )
SMEC.(40)/ILL.(60)*	.( )
SMEC.(45)/ILL.(55)*	.( )
SMEC.(50)/ILL.(50)*	.( )
SMEC.(55)/ILL.(45)*	.( )
SMEC.(60)/ILL.(40)*	.( )
SMEC.(65)/ILL.(35)*	.( )
SMEC.(70)/ILL.(30)*	.( )
SMEC.(75)/ILL.(25)*	.( )
SMEC.(80)/ILL.(20)*	.( )
SMEC.(85)/ILL.(15)*	.( )
SMEC.(90)/ILL.(10)*	.( )
SMEC.(95)/ILL.(95)*	.( )
SMECTITE	.( )
MONTMORILLONITE	.( )

95 % Confidence limit is indicated in parenthesis. TR = Trace, less than 1%.

<5 Micron
Clay Mineralogy

Well		Depth	Chlorite	Illite
Cenergy 1-4 Williams 4-23N-55E	S542	10,049.5	3	97
Penzoil BN 15-22 15-146N-101W	D284	10,960-61	10	90
Tenneco 1-15 Graham USA 15-144N-102W	B658	10,366	5	95
Tenneco 3-17 Mee USA 17-142N-100W	B659	10,793	6	94
Clarion 1-18 Pierce 18-161N-87W	B635	6,787	3	97
Cox 1-13 Hagan 13-153N-95W	D306	10,378	5	95

As always, it's been a pleasure serving you. If you wish to discuss these results or the possibility of additional analyses, please feel free to call me.

Sincerely,

Thomas G. Powell
Senior Staff Geologist
Reservoirs, Inc.

Bulk Mineralogy

Well	Depth	Quartz	K-spar	Plag.	Calcite	Dolomite	Pyrite	Anhydrite	Barite	Total Clay
Cenergy 1-4 Williams 4-23N-55E	S542 10,049.5	52	2	7	0	*13	9	0	0	17
Penzoil BN15-22 15-146N-101W	D284 10,960-61	73	2	1	0	* 4	6	0	0	14
Tenneco 1-15 Graham USA 15-144N-102W	B658 10,366	57	2	2	4	*12	8	0	0	15
Tenneco 3-17 Mee USA 17-142N-100W	B659 10,793	40	3	2	0	*12	17	2	6	18
Clarion 1-18 Pierce 18-161N-87W	B635 6,787	39	4	3	0	* 2	6	0	0	46
Cox 1-13 Hagan 13-153N-95W	D306 10,378	52	2	3	0	* 7	8	0	0	28

* Includes Fe dolomite/ankerite

D284
15-146N-101W
No. Dakota

RESULTS OF TOC & ROCK-EVAL PYROLYSIS (mg/g)

Well	Depth (ft)		Qty.	Tmax (°c)	S1 (mg/g)	S2 (mg/g)	S3 (mg/g)	PI	PC*	T.O.C. (wt%)	Hydrogen Index	Oxygen Index
Pennzoil 15-22 B. N. Flat Top Butte	10962.9		34.3	457	3.76	12.79	1.37	0.23	1.37	9.39	136	14
Pennzoil 15-22 B. N. Flat Top Butte	10965.5		26.5	453	4.07	19.43	1.35	0.17	1.95	11.62	167	11

T.O.C. = Total organic carbon, wt.%
S1 = Free Hydrocarbons, mg HC/g of rock
S2 = Residual hydrocarbon potential (mg HC/g of rock)
S3 = CO2 produced from kerogen pyrolysis (mg CO2/g of rock)
PC* = 0.083 (S1 + S2)
Hydrogen index = mg HC/g organic carbon
Oxygen Index = mg CO2/g organic carbon
PI = S1/(S1+S2)
Tmax = Temperature Index, °C.

DATE: DECEMBER 8, 1989

PARTNERS MATURITY REPORT
AL-AQUITAINE
BN1
API #
SEC 23 , T 143 N , R 102 W

REQUESTOR:

DEPTH	V #	ORIG	PREP	LITH	AGE/FM	Ro	OBS	MEAN :95%CL	KM	KI	V	VD	VR	F	SAM #
10353.00-10353.00	58393	CO	KM	SH	319/BKKN	V	10	X1.03±0.05	94	.	3	.	1	2	ND-S-1012A
10357.00-10357.00	58394	CO	KM	SH	319/BKKN	V	11	X1.01±0.05	94	2	3	.	1	.	ND-S-1014A
10361.50-10361.50	58391	CO	RM	SH	319/BKKN	V	29	X1.05±0.03	88	.	7	.	.	5	ND-S-1006A
10368.00-10368.00	58392	CO	RM	SH	391/BKKN	V	10	X1.00±0.03	89	.	4	2	2	3	ND-S-1010A
10383.00-10383.00	58401	CO	RM	SH	319/BKKN	V	29	X1.19±0.04	93	.	4	.	1	2	ND-S-1031A
10788.20-10788.20	58399	CO		SH	319/BKKN		.	X . ± .	90	.	.	.	.	10	ND-S-1020A
10793.50-10793.50	58400	CO	RM	SH	319/BKKN	V	12	X1.33±0.05	91	.	7	.	.	2	ND-S-1023A
10960.00-10960.00	58396	CO		SH	319/BKKN		.	X . ± .	95	.	.	.	.	5	ND-S-1025A
10960.00-10960.00	58397	CO	RM	SH	319/BKKN	V	7	X1.26±0.11	94	.	4	.	.	2	ND-S-1026A
10993.00-10994.00	58398	CO	RM	SH	319/BKKN	V	9	X1.37±0.10	96	.	3	.	1	.	ND-S-1029A

D284

Table: Source rock data results from USGS samples.

Well Name	Depth	% TOC	S1 kg/ton	S2 kg/ton	HI	TR	Tmax
Miss. Rocks							
1-30 Gawryluk	9545/9545.2	2.48	1.66	1.98		NA(0.46)	NA(472)
Bakken Shale							
Aquitaine #1-23 BN	10325/10343.5	0.88	1	1.77	201	0.36	444
	10352/10359	8.66	7.03	29.44	340	0.19	443
	10359/10373	0.52	2.27	1.36	262	0.63	433
Cynergy 1-4 Williams	10049.10050.2	9.32	5.18	44.01	472	0.11	443
	10052.2/10072	0.22	2.1	0.52	236	0.8	385
Clarion Res. 1-29 Nelson	7398/7414	0.13	0.32	0.12		NA	326
	7453.5/7455	11.13	6.86	76.11	684	0.08	432
Anadarko 1-A Stark	9181/9196	2.96	3.69	14.48	489	0.2	442
	9196/9207.8	3.58	2.48	15.29	427	0.14	441
Clarion res. 1-18 Pierce	6760/6760.1	15.25	8.57	104.93	688	0.08	426
	6762/6774	0.13	0.11	0.07		NA	420
	6784.2/6790	2.65	0.36	1.86	70	0.16	425
Pennzoil 15-22 Flat Top Butte	10959/10965.5	9.71	6.54	18.46	190	0.26	449
	10966/10981	0.34	0.97	0.48		NA	413
	10981/10994	0.82	1.19	0.81	99	0.6	442
Clarion Res. 1-24 Slater	7877/7879	2.42	2.12	18.11	748	0.1	430
	7881.6/7881.7	0.13	0.18	0.07		NA	413
	7888.9/7898.1	13.94	10.62	109.33	784	0.09	427
	7898.5/7907	0.2	0.23	0.11		NA	412
Clarion Res. 1-20 Fleckton	7651/7654.5	13.5	12.81	113.3	839	0.1	423
	7687/7691	4.06	1.27	9.66	238	0.12	424
Tenneco 3-17 TOC MEE State	10720/10740	0.19	0.17	0.11		NA	428
	10740/10761	0.25	0.13	0.08		NA	410
	10761/10776	0.85	0.52	0.74		0.41	441
	10786/10794	1.99	4.9	12.41	624	0.28	448
	10794/10868	0.26	0.56	0.19		NA	388
Duperow							
Amoco Ficek	10727/10757	0.23	0.07	0.25		NA	437
	10758/10788	0.24	0.21	0.46		NA	435
	10876/10898	0.11	0.06	0.14		NA	432
	10898/10919	0.18	0.1	0.28		NA	434
	10919/10933	0.16	0.1	0.19		NA	431
Tenneco 1-30 Gawryluk	11196/11219	0.17	0.08	0.06		NA	397
	11220/11234	0.11	0.09	0.12		NA	402
	11235/11256	0.17	0.13	0.07		NA	350
Gen. Amer. Oil 1-4 Hamm	11202.1/11208	0.21	0.19	0.23		NA	424
Aquitaine 1-28 US	11092/11122	0.15	0.15	0.08		NA	426
LL&E 3-12-1 Norby	8422/8449	0.19	0.24	0.3		NA	430
	8456/8478	0.16	0.13	0.22		NA	435
LL&E 41-20 Heuer	9525.9/9535	0.13	0.08	0.06		NA	436
ARCO A1 Simpson	10761/10791	0.23	0.05	0.04		NA	449
	10792/10831	0.18	0.04	0.05		NA	308
Red River							
Total Petr. 1-22 Cedar Hills	9331.6/9332.4	3.22	0.53	35.44		0.01	445
	9355/9386	2.59	0.4	24.31		0.02	448
Texaco 1 FR Gregory	10666/10693	0.41	0.44	0.92		NA	436
	10703/10706	1.95	0.87	8.18		0.1	445
	10718/10725	2.82	1.97	16.1		0.11	444