

SCAL, Inc.

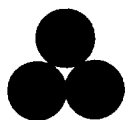
SPECIAL CORE ANALYSIS LABORATORIES

Devon Energy Corporation

Drilled Sidewall Core Analysis Report

**Todd 25 'I' Fed. # 9
Eddy County, New Mexico.**

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SCAL, Inc.

SPECIAL CORE ANALYSIS LABORATORIES, INC.

January 6, 1998.

Mr. Jason Hamilton

Devon Energy Corporation
20 N. Broadway, Ste. 1500
Oklahoma City, OK 73102-8260

Reference: Drilled Sidewall Core Analysis
File: 8543
Todd 25 'I' Fed. # 9
Eddy County, New Mexico.

Dear Mr. Hamilton:

Please find enclosed the final core analysis report for the rotary sidewall core samples.

The following procedures were used:

The sample containers were opened and a gas detector was used to determine the presence and relative amount of flammable gas. The ends of the samples were trimmed and UV and natural light photography was taken. A Dean-Stark extraction was performed to remove the pore water. The rest of the oil was extracted using an automated CO₂ core cleaner. A material balance was performed to determine the oil saturation. After drying, the porosity and air permeability (@ 1,000 psi confining pressure) were determined.

It was a pleasure performing these analyses for you. If you have any further questions please feel free to contact our laboratory.

Thank you for using SCAL Inc..

Sincerely,

Mac McCarroll
Senior Consulting Geologist

John Shuler
Lab Supervisor

Anish Kumar, Ph.D.
Geologist / Lab Manager

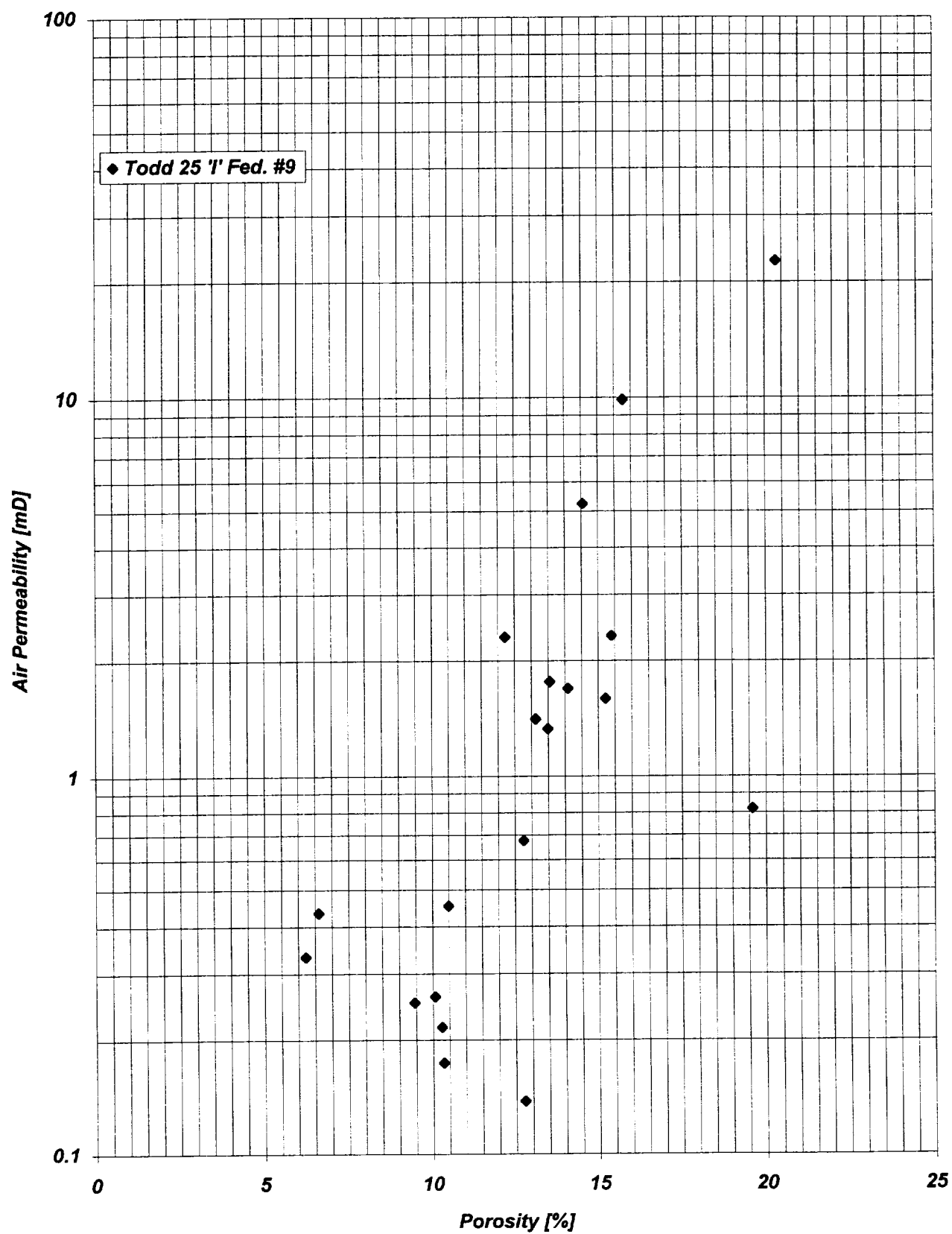
Drilled Sidewall Core Analysis Report

Company : Devon Energy Corporation
File No. : 8543
Well : Todd 25 '1' Fed. #9
Location : 1880' FSL & 660' FEL, Sec 25 T23S & R31E
Field: Ingle Wells
Formation: Brushy Canyon
County : Eddy County, New Mexico.

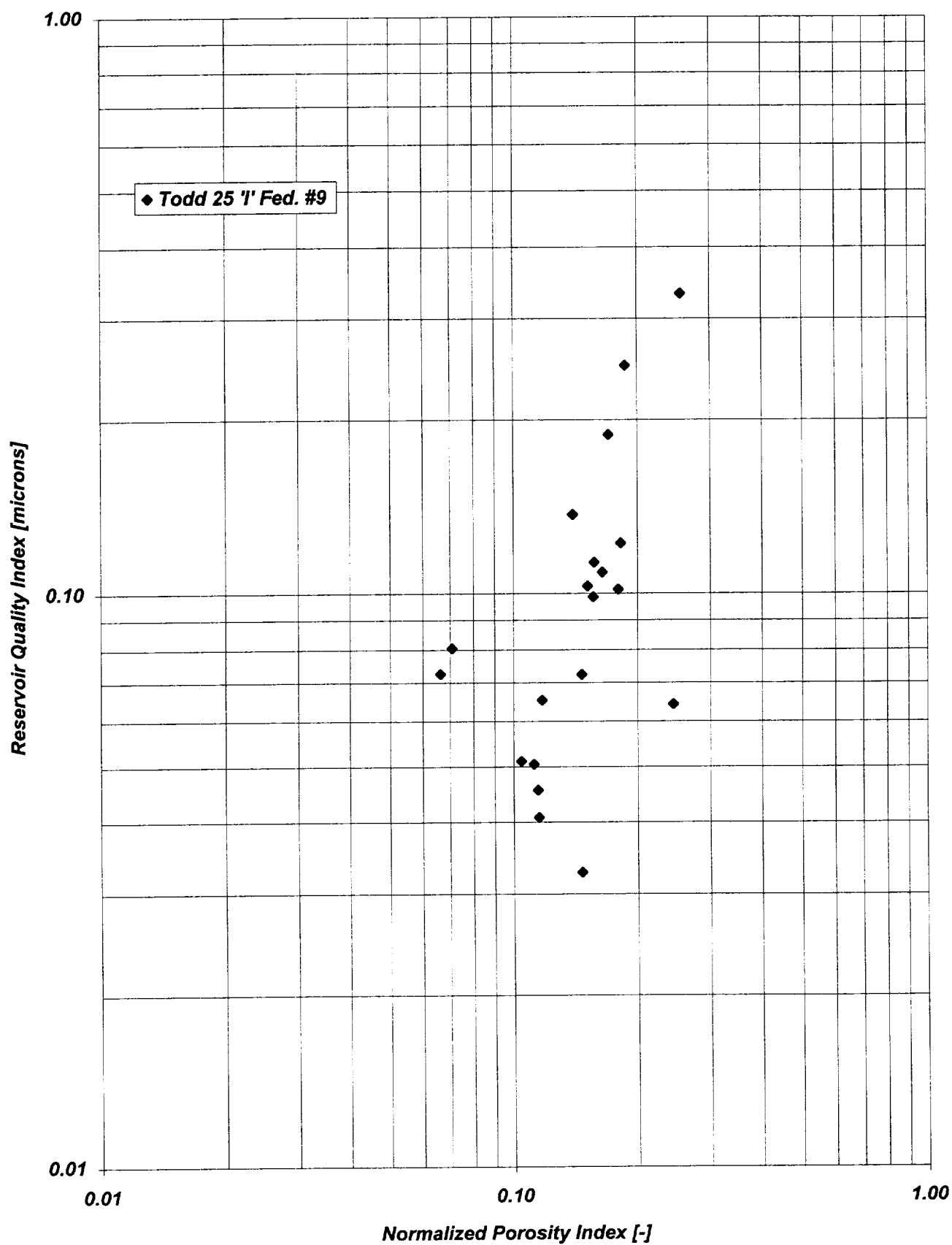
Sample Number	Depth	Air Permeability	Porosity	Grain Density	Sw	So	Gas Units	Fluorescence	Sample Description
	ft	mD	%	g/cc	%	%		%	Description

1	4,617.0	0.138	12.8	2.69	79.3	0.0	3	0	Ss: Lt gy Vf-fn gms Sbrd-sbang Mod-wl sort Sm sh strks Lots cal cem
2	4,631.0	0.817	19.6	2.67	77.8	0.0	1	0	Ss: Gy Vf gms Sbrd-sbang VI sort Sm sh strks Lots cal cem
3	7,153.0	2.33	15.4	2.65	78.1	0.0	3	0	Ss: Gy Vf-fn gms Sbrd-sbang Mod-wl sort Sm cal cem
4	7,165.0	1.33	13.5	2.65	77.3	0.0	1	0	Ss: Gy Vf-fn gms Sbrd-sbang Mod-wl sort Sm cal cem
5	7,220.0	1.59	15.2	2.65	77.8	0.0	1	0	Ss: Gy Vf-fn gms Sbrd-sbang Mod-wl sort Sm cal cem
6	7,232.0	22.7	20.3	2.64	58.2	18.1	200	100	Ss: Dtry brn Fn gms Sbrd-sbang VI sort Sm cal cem
7	7,251.0	1.69	14.1	2.65	76.3	0.0	2	0	Ss: Gy Vf-fn gms Sbrd-sbang Mod-wl sort Sm cal cem
8	7,259.0	0.676	12.8	2.65	76.5	0.0	5	0	Ss: Gy Vf-fn gms Sbrd-sbang Mod-wl sort Sm cal cem
9	8,146.0	1.76	13.6	2.66	45.3	18.7	200	95	Ss: Gy Vf-fn gms Sbrd-sbang Mod-wl sort Sm cal cem
10	8,150.0	0.332	6.2	2.67	73.3	4.2	9	50	Ss: Gy Vf-fn gms Sbrd-sbang Mod-wl sort Sm cal cem
11	8,179.0	0.251	9.5	2.67	65.6	11.9	98	40	Ss: Gy Vf-fn gms Sbrd-sbang Mod-wl sort Sm cal cem V sl pyr
12	8,185.0	0.174	10.3	2.66	71.4	0.0	10	0	Ss: Gy Vf-fn gms Sbrd-sbang Mod-wl sort Sm cal cem V sl pyr
13	8,191.0	0.453	10.5	2.66	74.7	0.0	3	0	Ss: Gy Vf-fn gms Sbrd-sbang Mod-wl sort Sm cal cem V sl pyr
14	8,194.0	2.31	12.2	2.65	41.4	20.7	200	100	Ss: Gy Vf-fn gms Sbrd-sbang Mod-wl sort Sm cal cem
15	8,242.0	9.87	15.8	2.65	50.3	18.1	200	100	Ss: Gy Vf-fn gms Sbrd-sbang Mod-wl sort Sm cal cem
16	8,246.0	1.41	13.1	2.65	74.9	0.0	1	0	Ss: Gy Vf-fn gms Sbrd-sbang Mod-wl sort Sm cal cem SI arg
17	8,262.0	5.23	14.6	2.65	50.8	17.7	200	100	Ss: Gy Vf-fn gms Sbrd-sbang Mod-wl sort Sm cal cem SI arg
18	8,265.0	0.434	6.6	2.68	60.0	8.3	20	25	Ss: Gy Vf-fn gms Sbrd-sbang Mod-wl sort Sm cal cem SI arg
19	8,306.0	0.261	10.1	2.67	45.3	14.9	150	100	Ss: Gy Vf-fn gms Sbrd-sbang Mod-wl sort Sm cal cem SI arg lam
20	8,313.0	0.216	10.3	2.66	47.0	11.1	150	100	Ss: Gy Vf-fn gms Sbrd-sbang Mod-wl sort Sm cal cem SI arg lam

Permeability versus Porosity



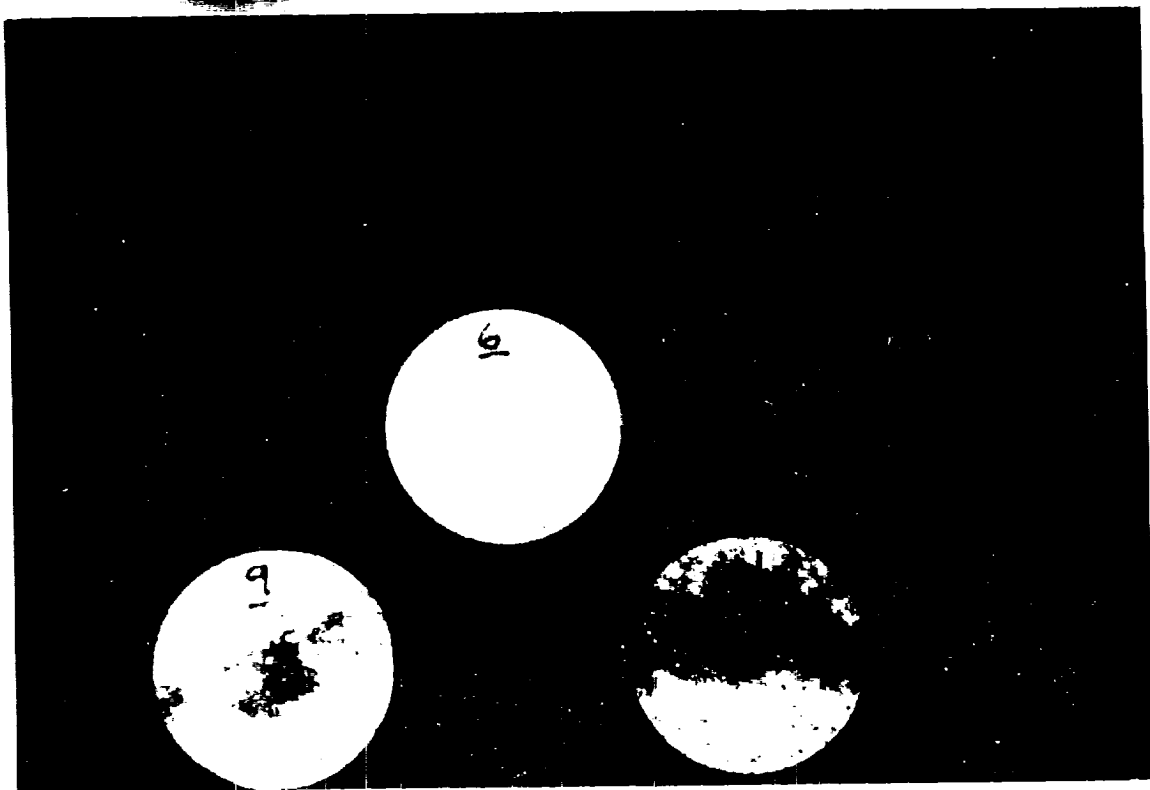
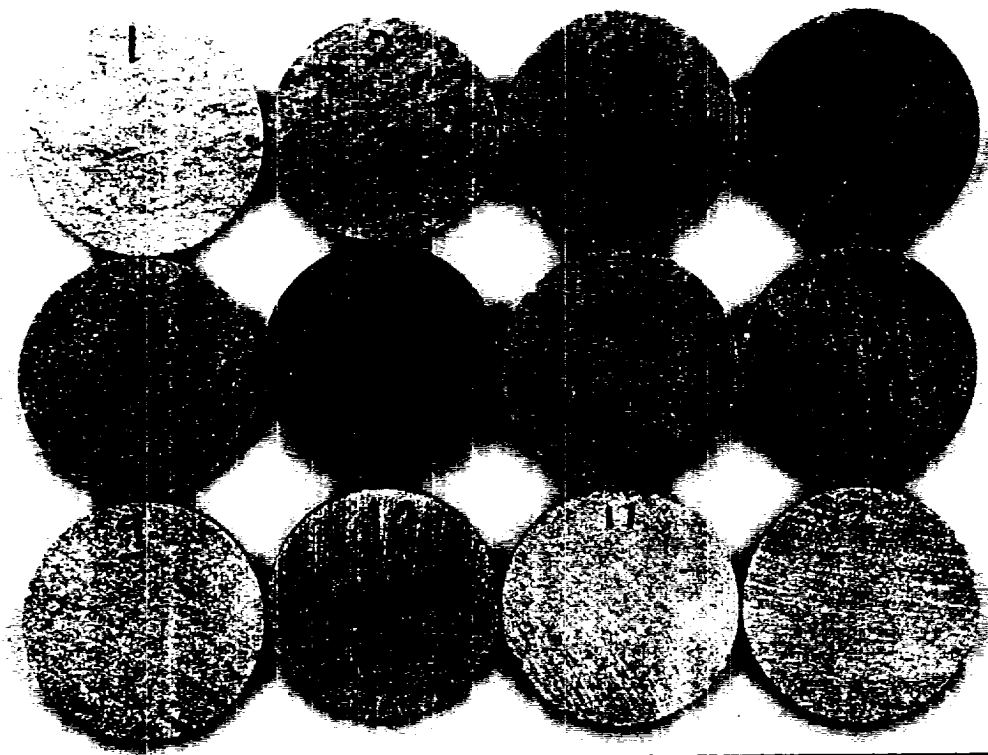
Reservoir Quality Index versus Normalized Porosity



Core Description Abbreviations

ang	angular	grn	green	rnd	round
anhy	anhydrite	grst	grainstone	sbang	subangular
ark	arkosic	gy	gray	sc	surface contamination
arg	argillaceous	gyp	gypsum	sh	shale
bl	blue	h/frac	horizontally fractured	strgr	stringer
bidgg	bleeding gas	hal	halite	sbrnd	subround
bidgo	bleeding oil	incl	inclusion	scat	scattered
bik	black	intrgr	intergranular	sd(y)	sand(y)
biky	blocky	intrxin	intercrystalline	sh	shale
brn	brown	ip	in part	shy	shaley
brt	bright	lam	lamina(-ated)	sil	siliceous
bf	buff	ls	limestone	sl	slight(ly)
calc	calcareous	lt	light	sily	silty
carb	carbonaceous	md	medium	sm	some
cg	coarse grain	mf	mineral fluorescence	sml	small
cgl	conglomerate	mg	medium grain	sp	spotty
chky	chalky	micr	micritic	ss	sandstone
chrt	cherty	mod	moderate	siltst	siltstone
com	common	mott	mottled	srt	sorted
conch	conchoidal	mdst	mudstone	strks	
cnsl	consolidated	n/a	not available	styl	stylolite
crm	cream	n/r	not recovered	suc	sucrosic
cslt	coarse siltstone	nod	nodules	tbfa	too broken for analysis
dk	dark	nvp	no visible porosity	tn	tan
dns	dense	o	oil	tr	trace
dol	dolomite	ool	oolitic	v	very
dolic	dolomitic	orng	orange	vfrac	vertically fractured
dru	drusy	peld	peloid	vfg	very fine grain
dul	dull	pisol	pisolitic	vug	vug(gy)
fg	fine grain	pk	pink	w/	with
fiss	fissile	pkst	packstone	wht	white
foss	fossiliferous	por	porosity	wk(-ly)	weak(-ly)
frac	fractured	poss	possible	wkst	wackestone
fri	friable	ppp	pinpoint porosity	wl	well
gil	gilsonite	pr(-ly)	poor(-ly)	xln	crystalline
glauc	glauconite	ptg	parting	xfg	extremely fine grained
		pyr	pyrite	xl	crystal
				yl	yellow

Todd 15 T Fed. #9



Todd 15 T Fed. #9

