

GEOLOGICAL COMPLETION REPORT FOR
BRITISH-AMERICAN #3 SHIPP

Well Classification:

Exploratory well, Southwest Bisti,
San Juan County, New Mexico
British-American #3 Shipp
C SW SW Section 15-25N-13W

Well Data:

Commenced drilling:	May 15, 1957
Completed drilling:	May 26, 1957
Contractor:	Foree Drilling Company
Casing Record:	Set 9 5/8" @ 204.40 K.B. w/20 sax reg cmt.
Elevation:	L&S 6296 G.L., 6304 D.F., 6306 K.B.
Total Depth and Datum:	Driller 4971(+1335) E.S. 4970 (+1336)

Completion Data:

Plugged and Abandoned 5-27-57
Spotted 10 sax cmt in top of surface pipe.
Spotted 65 sax cmt 1050-1250
Spotted 45 sax cmt 3700-3850
Spotted 65 sax cmt 4600-4800

Geological Data:

Logging Data:

Samples:	10' from 215-4970 K.B. Stored: American Stratigraphic Co., Denver, Col.
E.S. Induction:	2" from 214-4964 K.B.
Microlog:	5" from 1150-1400, 3500-3850, 4700-4964 K.B.
Geolograph:	Same as 5" E.S.
Continuous Logging Service:	204-4970 K.B.
	215-3900 K.B.

Formation Record:

<u>Name</u>	<u>Schl. Top</u>	<u>Schl. Datum</u>
Pictured Cliff	1186	+5120
Mesaverde	1477	+4829
Pt. Lookout	3600	+2706
Mancos	3805	+2501
Upper Gallup	4700	+1606

Core Record:

<u>Core Number</u>	<u>Interval</u>	<u>Formation</u>	<u>Ft. Recovered</u>
#1	4748-4787	Gallup	35'
#2	4787-4840	Gallup	52'
#3	4840-4891	Gallup	51'

Drill Stem Test Record:

None



THE BRITISH AMERICAN OIL PRODUCING COMPANY

Core Report

LEASE Shipp WELL NO. 3 FIELD Wildcat
 Core No. 1 From 4748 To 4787 Total Recovery in Feet 35½ COUNTY San Juan
 Cutterhead: Size 7 3/16 x 3 1/2 Kind Dovee Date Core Taken May 23, 1957

DEPTH		Coring Time Min. Per. Ft.	Amt. Rec.	Dip	Complete Formation Description	Fluid Content
From	To					
4748	4762	17,27,22,20,19, 25,21,26,23,25, 22,26,11,12	14'		Sh, blk, fiss w/scatt shell frags, few sltst lami, hvly lami, 51-53, lami 1/8"-1/4"	N.S.
4762	4765	13,14,14	3'		Sh & sltst, lami, gr, vfg, mic, hd & ti.	N.S.
4765	4771½	23,20,23,23, 25,29,16	6½'		Lami sh & sltst same, rett sh w/thin stks of bent, 69-71½	
4771½	4782	16,32,19,13,22, 21,25,25,33,19, 10	10½'		Lami, sh & sltst, 60% sh, 40% sltst, lami 1/8"-1/4" thick, sltst, gr-vfg, mic & glau, sl calc, few thin lami, sd, gr-vfg, mic & glau.	
4782	4783½	10,20	1½'		Ss, gr-wh, f-mg, few crs g, s.a., v tily calcite cont, incl of carb mat, plant debris & fossil frags, few specks of glau & occas mic mat.	N.S.

Coring point picked at 4745 S.L.M. corr 3'

Remarks

H. A. Holton

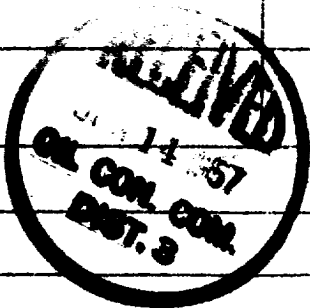
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Core Report

LEASE Shipp WELL NO. 3 FIELD Wildcat
Core No. 2 From 4787 To 4840 Total Recovery in Feet 52 1/2' COUNTY San Juan
Cutterhead: Size 7 3/16 x 3 1/2 Kind Dowco Date Core Taken May 24, 1957

DEPTH		Coring Time Min. Per. Ft.	Amt. Rec.	Dip	Complete Formation Description	Fluid Content
From	To					
4787	4797	12,11,14,20,13, 13,10,16,10,18	10'		Sh & sltst,gr-blk,sltst,gr,vfg,mic,glau,sl calc, lami,scatt sd incl,vfg,gr,s&p,mic & glau,	N.S.
4797	4800	15,7,10	3'		Same, sl more hvly lami,few more incl sd,gr, vfg,s&p,mic,glau,hd & ti.	N.S.
4800	4811	11,12,9,13,11, 20,15,11,11,12, 10	11'		Sltst,gr-blk,ocass incl sd,gr,vfg,s&p,mic & glau,sl calc,hd & ti.	N.S.
4811	4816 1/2	12,16,10,14,20 8	5 1/2'		Sh,blk,fiss,ocass carb debri.	N.S.
4816 1/2	4831	9,15,7,10,10,10, 7,9,8,9,7,10,10, 6,9,4	14 1/2'		Shly ss,rd 60%,sh 40%,tan,vfg,s.a.,s&p,mic & glau,no perm p por, lt even stn in sd, gd odor, lt yell flor, scatt carb incl & sh ptgs.	Oil
4831	4836	4,10,15,18,10	5'		Gr sltst,v hd & dns.	N.S.
4836	4838	9,6	2'		Same as 16 1/2-31,sl better sat	
4838	4839 1/2	7,4	1 1/2'		V shly sd & sltst,tan,vfg,s&p,glau & mic,cly fill,v ft stn & ft ye l flor, ft odor.	Oil

Remarks _____



H. A. Holtom
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Core Report

LEASE Shipp WELL NO. 3 FIELD Wildcat
 Core No. 3 From 4840 To 4891 Total Recovery in Feet 51' COUNTY San Juan
 Cutterhead: Size 7 3/16 x 3 1/2 Kind Dowco Date Core Taken May 25, 1957

DEPTH From To		Coring Time Min. Per. Ft.	Amt. Rec.	Dip	Complete Formation Description	Fluid Content
4840	4847	5,9,8,7,8,9,9	7'		Shly ss, 60% sd, 40% sh, ss, tan, vfg, glau & mic, cly fill, sh ptgs & incl, no perm, p por, dns, lt stn in sd, lt yell flor, gd odor.	Oil
4847	4851	8,6,6,7	4'		Ss, shly, same as above, ss 80%, sh 20%, sl better sat	Oil
4851	4856	10,8,7,8	4'		Shly ss same as 40-47 Oil	Oil
4856	4875	12,10,13,8,9, 5,7,7,8,9,11,9 7,9,11,10,12,9, 6,6,6,7,4	19'		Shly sd & sltst, gr, vfg, mic & glau, v dns, cly & sh fill	N.S.
4875	4878 1/2	6,6,7,4	3 1/2'		Shly ss, tan, vfg, s&p, mic & glau, v ti, cly fill, v lt stn & lt yell scatt flor.	Oil
4878 1/2	4881	4,7,8	2 1/2'		Lami sh, sd & sltst, gr, vfg, mic ptgs, calc, sl stn & flor in 1/4" sd, lami, v hd & ti.	Sl show Oil
4881	4884	5,9,6	3'		Shly ss, vfg, mic & glau, v dns & ti, cly fill, sh ptgs & carb incl, lt even stn & flor.	Oil
4884	4891	9,9,7,7,8,5,9	7'		Sdy sh & sltst, gr, vfg, glau & mic, v hd & ti.	N.S.

Remarks _____

H. A. Holtom
 Signed _____

SAMPLE REPORT

Date

WELL NAME

LITHOLOGY

THICK-
NESS

FROM

TO

British-American #3 Shipp

Wildcat

C SW SW Section 15-25N-13W
San Juan County, New Mexico

Sample description starts at top of Mesaverde.

Samples have been lagged and depths represent true depth in hole.

25% ss, gr-bf brn, v ply dev, vfg, s&p, cly fill & shly, 25% siltst, gr, vfg,

50% sh, gr-brn, sdy.

Same w/incr amt sh, gr-lt gr, smo, soft.

35% ss, sl better dev, gr, vfg, 35% siltst do, 30% sh, v few smo.

15% ss do, 85% siltst-sh, v sdy, gr, consl smo sh.

95% ss, gr, vf-fg, s&p, cly & sh fill, no p&p, few w/mc incl, 5% do.

Same

85% ss do, 15% sh do.

Same

Same

95% ss, gr-lt gr, s&p, sl cly fill, occas mc incl, 5% sh do.

98% ss, gr, fg, s&p, cly fill, N.S. 2% sh, gr, smo.

Same

Same, tr pyr.

Same w/few ss, vfg, cly fill & soft.

99% do, same no p&p, tr sh, gr, smo.

Same

Same

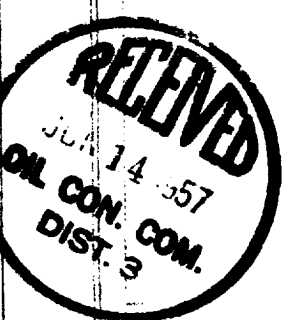
Same w/few sd, sl more shly & soft, few w/pyr incl.

Same

90% ss do, 10% v sdy sh & gr siltst, vfg, s&p, sl mc.

Same

95% ss, sl more sh & mc incl, 5% sh do.



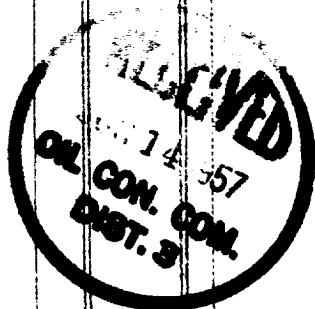
GEOLOGIST

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WELL NAME	FROM	TO	THICK- NESS	LITHOLOGY
British-American #3 Shipp	1730	1740		100% ss do
	1740	1770		Same
	1770	1780		Same w/few ss, gr-br, fg, s&p, v cly fill.
	1780	1790		Same 100% ss.
	1790	1800		100% ss, gr, v s&p, fg, sl tr glau specks, v frl, sl cly fill.
	1800	1810		100% ss, gr, vf-fg, fair gd p&p, r-sr, s&p, frl, v lsly contd.
	1810	1830		Same
	1830	1840		80% ss do, 20% sh, gr-brn, sdy, few smo.
	1840	1850		60% do, 40% do.
	1850	1860		95% ss do, 5% sh do.
	1860	1870		Same
	1870	1880		40% ss do, 60% sh do, v sdy.
	1880	1890		100% v shly rd-clstst, wvfgr-vfg, shly, gr-brn, cl s&p.
	1890	1900		Same w/few smo gr sh.
	1900	1910		90% ss as before, 10% v shly sd do, nly dev.
	1910	1920		10% ss do, 90% do.
	1920	1930		Same
	1930	1940		100% v ply dev shly sd & sdy brn sh-sltst.
	1940	1950		Same grading to sltst.
	1950	1960		Same
	1960	1970		90% ss, gr, vfg, nly sort, s.r, s&p, cly fill, 10% sh-sltst, do.
	1970	1980		Same
	1980	1990		70% ss do, 30% sh, gr-olive gr, smo, soft.
	1990	2000		95% ss do, 5% sh, v sdy.
	2000	2010		Same

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WELL NAME	FROM	TO	THICK- NESS	LITHOLOGY
British-American #3 Shimp	2010	2020		80% ss do, 20% sh (10% sdy-10% smc).
	2020	2030		Same, tr coal, tr pyr.
	2030	2040		90% ss, gr, vfg, ply sort, skp, few carb incl, cly fill, 10% sh do.
	2040	2050		30% ss do, 10% tan, sltst, vfg, skp, 20% sltst, gr, vfg, 40% brn-gr, v sdy sh.
	2050	2060		15% mix of above, 85% coal.
	2060	2070		80% sh-sltst, v sdy, gr-brn, soft, 20% coal.
	2070	2080		35% ss, gr-wh, fg, skp, cly fill, num carb incl, 55% sh do, 10% coal.
	2080	2090		100% sh, gr-brn, sdy, carb, few coal, tr pyr.
	2090	2100		60% do, 40% sh, gr, slt gr, smc.
	2100	2110		90% sh do, v carb & mic, 10% coal.
	2110	2020		95% do, tr pyr, 5% coal.
	2020	2030		20% do, 80% coal.
	2030	2040		60% do, 20% sh, gr, smc, soft, 20% coal.
	2040	2050		90% st, gr-brn, sdy, carb incl, 10% coal.
	2050	2060		100% sh & sltst do, few coal.
	2060	2070		Same
	2070	2080		Same incr amt pyr.
	2080	2090		Same incr coal.
	2090	2200		Tr ss same.
	2200	2210		20% ss, gr-bf, vfg, mott, ply dev, cly fill, 60% do, 20% coal.
	2210	2220		Same
	2220	2230		80% ss do, 20% sh do, v cors, few coal.
	2230	2240		Same
	2240	2250		20% ss do, 60% sh dp, 20% coal.
	2250	2260		40% ss-sltst, gr-bf, vfg, dns, 60% coal.

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SAMPLE REPORT

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Date

WELL NAME

British-American #2 Shinn

FROM

TO

THICK-
NESS

LITHOLOGY

Few ss, 79% sh, brn, carb, sdy, 20% coal.

20% slst, few carb incl, 70% sh do, 10% coal.

15% sh do, 85% coal.

75% sh do, v carb, 25% coal.

20% sh, brn, v carb, 80% coal.

50% do, 50% coal.

40% ss, gr, fg, mg, s&p, ply sort, cly fill, 60% sh do.

5% ss, fg, s, r, well dev, cln, gd p&p, 40% ss do, 55% sh, tr pyr, few coal.

Tr ss, cln do, 30% ss, fg, do, 58% ss, lse w/cly mtrx, 10% sh do.

90% ss, wh, clr gr, fg, s&p, few cln, occas exc p&p, pyr incl, 10% sh & coal, few lse in cly mtrx.

Same

Same w/consi pyr in sd.

Same, sl more cly fill.

Same

95% ss, gr-bf, vf-fg, s&p, cly fill, dns, no p&p, 5% sh w/tr cly.

Same

100% ss do, incr amt w/less cnt & fair p&p.

90% do, few w/pyr incl, 10% carb, sh & coal.

50% do, 50% do, few coal.

75% do, sl more cly fill, v s&p, 25% sh w/tr coal.

Same

100% ss, gr-lt bf, s&p, vf, v ply sort, cly fill, no p&p, dns.

Same, becoming v shly, more cly fill.

80% ss as before, 20% sh v sdy, brn.



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Date

WELL NAME	FROM	TO	THICK- NESS	LITHOLOGY
British-American #3 Shipp	2510	2520		75% sltst, gr, dns, vfg, 25% sh do.
	2520	2530		100% coal & v carb sh.
	2530	2540		90% sh, gr-brn, sdy & smo, 10% coal.
	2540	2550		10% ss, 90% sh & sltst.
	2550	2560		Same
	2560	2570		100% sh, brn, v soft & mushy, tr coal.
	2570	2580		Same
	2580	2590		Same
	2590	2600		30% ss, sltst, gr, vfg, soft, 70% sh mushy.
	2600	2610		20% ss, v cly fill & cly mtrx, 80% sh, soft mushy, tr carb mat.
	2610	2620		Same
	2620	2625		5% ss, w/cly mtrx, 92% sh, brn, soft, sl sdy, carb incl, 3% coal.
	2625	2630		95% sdy sh, w/few sltst, gr-brn, few carb incl, 5% coal.
	2630	2635		15% lse sd in wh cly mtrs, 70% sh do, 15% coal.
	2635	2640		40% ss, bf, fg, ply fort, mott, v cly fill, 60% sh, gr-brn, smo, few sdy.
	2640	2645		20% ss do, 40% lse sd in wh cly mtrx, 40% sh do.
	2645	2650		15% ss do, 5% sd in cly mtrx do, 75% do w/5% coal.
	2650	2660		Few ss do, sh sltst, carb, smo, mix, consi coal.
	2660	2670		Same
	2670	2700		Same
	2700	2710		10% ss, gr-bf, vfg, v ply dev, cly fill, 90% sh & sltst, gr-tan, sl-v sdy, occas carb incl.
	2710	2720		70% ss do, 30% sh do.
	2720	2730		85% sd do, 15% do.
	2730	2740		20% ss do, 60% sltst, gr, vfg, 20% sh do.



SAMPLE REPORT

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Date

WELL NAME

British-American #3 Shipy

FROM

TO

THICK-
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LITHOLOGY

Same

100% sh & sltst, gr, soft, sdy, few carb incl.

Same w/few carb sh.

95% ss, wh-bf, fg, skp, ply sort, v cly fill, 5% sh do.

10% ss do, 90% sh & sltst.

5% do, 95% do.

100% sh & sltst, gr-lt gr, sdy, soft.

Consol more sltst, v sdy.

Same

Same

Same w/incr amt carb sh.

Consol amt sltst, gr, vfg.

25% ss, gr-bf, vfg, ply dev & sort, skp, cly fill, 75% do.

Same incr amt sltst.

10% ss do, 90% do.

Same

35% ss as above, tr pyr incl, 65% sd & sltst do.

10% do, 90% do.

25% ss do, v ply dev & cly fill, 75% do.

Same

Tr ss, 99% sh & sltst.

35% ss do, 65% sh do.

Tr ss do, 98% sh do.

Same

20% sd do, 80% sh do.



SAMPLE REPORT

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Date

WELL NAME

British-American #3 Shipp

FROM

TO

THICK-
NESS

LITHOLOGY

Few ss do, 98% sh & siltst do.

Same

5% ss, vf, gr-brn, v ply dev, sl s&g, 95% sh & siltst, gr, brn, soft, sdy,
25% ss do, sl calc, 75% do.

Same

100% sh-siltst, gr-lt gr, few carb, tr coal.

Same 10% coal.

Same

5% ss, fg, gr-bf, mott, cly fill, 45% sh do, 50% coal.

5% ss do, 90% sh do, 5% coal do.

Same, tr coal.

100% sh & siltst, gr, sdy.

Same few carb.

Same

Same

Same

Same occas tr sd, gr fg, s&g, cly fill.

Same sh ls v sdy.

Same

Same occas tr bent.

Same const carb sh, tr coal.

50% ss, gr-bf, fg, s&g, cly fill, 50% do.

25% do, 75% do.

40% ss do, 50% sh & siltst do, 10% coal.

10% ss do, 90% do, tr coal.



SAMPLE REPORT

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Date

WELL NAME

LITHOLOGY

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British-American #3 Shipp

FROM

TO

3300	3310
3310	3320
3320	3330
3330	3340
3340	3350
3350	3360
3360	3370
3370	3380
3380	3390
3390	3400
3400	3410
3410	3420
3420	3430
3430	3440
3440	3450
3450	3460
3460	3470
3470	3480
3480	3490
3490	3500
3500	3510
3510	3520
3520	3530
3530	3540
3540	3550

100% sh-sltst, gr, sdy, few s&p, tr carb.
 20% ss, fg, mott, ply sort, s&p, cly fill, 80% sh do.
 25% do, 75% do.
 40% do, 60% do.
 75% do, few clr gs, s.r., 25% sh do.
 10% do, 90% sh & sltst, gr, s&p, v sdy.
 Tr ss, 99% sh & sltst.
 Same w/consi carb, tr coal.
 15% ss, gr-wh, mott, ply sort, s&p, cly fill, 85% sh do.
 5% ss do, 95% sh-sltst, v sdy.
 Tr ss do, 99% sh & sltst, sdy.
 Same consi sltst, gr-vfg.
 Same, sltst, gr, vfg, s&p, mic.
 Same
 Tr ss do, 25% sh do, 75% coal & v carb sh.
 100% sh, gr-lt gr, few sdy, tr carb.
 100% sh & gr sltst, s&p, vfg, mic, tr carb.
 75% sh & sltst do, 25% v carb blk sh & coal.
 95% do, 5% do.
 100% sh & sltst do, v sdy.
 Same
 Tr ss, vfg, s&p, cly fill, 90% sh & sltst, sdy-do, tr carb sh, blk.
 40% ss, sltst, vfg, ply dev, cly fill, s&p, mic, 50% sh & sltst do, 10% coal.
 35% ss do, 60% sh & sltst do, 5% coal.
 50% ss, bf fg, ply sort, s&p, flau, v cly fill, 50% sh do.

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SAMPLE REPORT

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WELL NAME

LITHOLOGY



THICK-
NESS

FROM

TO

British-American #3 Shipp

3550	3560	10% ss do, vfg, mott, ply sort, calc, ft min flor, no cut or stn, 80% sh do, 5% coal.
3560	3570	1% ss, bf-wh, fg, ply sort, p p&p, s&p, v cly fill, sl calc, has sl mineral flor, no stn, no cut, 99% coal.
3570	2580	25% ss-sltst, gr-vfg, s&p, dns, mic, 70% sh-sltst, 5% coal.
2580	2590	5% ss do, 95% coal
2590	3600	95% sltst, few sh, grading to vfg sd, gr, vfg, dns, s&p, mic, 5% coal.
3600	3610	75% ss, fg, s.r, few clr gr, const lse sd, cly fill, ply sort, 25% sh do, few carb.
3610	3620	95% ss, lse, wh-clr gr, s.r, few frags v/cly fill, 5% sh do.
3620	3630	40% ss, fg, mott, s&p, cly fill, 60% sh do.
3630	3640	90% ss do, const lse sd, 10% sh do.
3640	3650	Same
3650	3660	Same becoming sl more dns & cly fill.
3660	3670	75% ss do, 25% sh do.
3670	3680	Same
3680	3690	95% ss, gr, vfg, s.r, s&p, sl mic, cly fill, 5% do.
3690	3700	85% do, sl dk gr, sl more dns, v s&p, 15% do.
3700	3710	20% ss do, 80% sh & gr sltst.
3710	3720	85% ss, gr, s&p, fg, dns, glau & mic, cly fill, 15% do.
3720	3730	Same
3730	3740	75% ss do, 25% sh do.
3740	3750	Same
3750	3760	10% ss do, 90% sh & sltst do.
3760	3770	Tr ss do, 90% ss-sltst, gr-vfg, s&p, dns, 10% sh, gr, sdv.

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SAMPLE REPORT

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WELL NAME	FROM	TO	THICK- NESS	LITHOLOGY
<u>British-American #3 Shipp</u>	3770	3780		25% sd-sltst do, 74% sh, gr-lt gr, sdy, tr carb, sh & coal.
	3780	3790		90% sltst-ss, gr, vfg, v ply dev, skp, dns, hd & tl, 10% sh do.
	3790	3800		Same, 9% sh do, 1% carb sh & coal.
	3800	3810		75% sltst do, 25% sh, gr, v sdy.
	3810	3820		50% do, 50% sh, gr-olive gr, sdy, sl mic.
	3820	3830		10% do, 90% do.
	3830	3840		Same
	3840	3850		100% sh do, w/few scatt sltst.
	3850	3860		Same
	3860	3870		50% sltst, gr-vfg, dns, skp, 50% sh do.
	3870	3880		15% sltst do, 85% sh do v sdy.
	3880	3890		100% sh, gr-olive gr, sdy & mic, few smo, occas sltst do.
	3890	3900		Same
	3900	4700		100% sh, gr-olive gr, sl calc, mic, few sdy, occas sltst, gr-vfg, skp, hd & tl.
	4700	4710		5% sltst, gr, vfg, skp, hd & tl, 95% sh do.
	4710	4720		Same
	4720	4730		3% ss, gr, vfg, skp, glau & mic, ply dev, hd & tl, 10% sltst do, 87% sh do.
	4730	4740		Tr ss do, 25% sltst do, 74% sltst do.
	4740	4748		Same
	4748	4970		Cored 4748-4890
				100% shly sd, gr-vfg, tl, cly fill & sdy sh.