



00514461

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## RESUME

Operator: Union Pacific Resources Company

Well Name and Number: #4 Christopher 43-1

Prospect: Speaker Field

Location: 900' FEL, 1400' FSL, Section 1, T-12S, R-51W

County and State: Cheyenne County, Colorado

Elevation: KB: 5052'; GL: 5042'

Spud Date: July 19, 1993

Completion Date: July 29, 1993

Hole Sizes: 12 1/4" to 515'; 7 7/8" to TD

Casing Data: 8 5/8" set at 510'

Logging Data: Schlumberger; LDT/CNL, DIL, Sonic, FMS

Exploration Geologist: Mark P. Germinario

Drilling Foreman: Ed Martin

Wellsite Geologist: Gregg Smith

Contractor: Murfin, Rig # 14

Tool Pusher: Jim Renner

Mud Type: Chem-Gel

Mud Company: Service Mud, Inc., Reid Atkins

Drilling Days: 11

Rotating Hours: 190 1/2

Bottom Formation: Spergen

Status: To be completed as an oil well in Morrow V11 Ss

1-125-51



# FORMATION TOPS AND CORRELATION

	UPRC #4 Christopher 43-1 NE SE 1-12S-51W KB 5052	UPRC #2 Christopher 34-1 SW SE 1-12S-57W KB 5056
DAKOTA	2840(+2212)	2828(+2828)
CHEYENNE	3154(+1898)	3150(+1906)
BLAINE SALT	3886(+1166)	3879(+1177)
STONE CORRAL	4202(+850)	4194(+862)
NEVA	4822(+223)	4821(+235)
FORAKER	4908(+144)	4903(+153)
SHAWNEE	5137(-85)	5133(-77)
HEEBNER	5383(-331)	5378(-322)
TORONTO	5406(-354)	5401(-345)
LANSING	5430(-378)	5426(-370)
MARMATON	5813(-761)	5804(-748)
Pawnee Member	5847(-795)	5827(-771)
Fort Scott Member	5886(-834)	5883(-827)
CHEROKEE	5927(-875)	5917(-861)
ATOKA	6151(-1099)	6147(-1091)
MORROW	6382(-1330)	6377(-1321)
V-5 Interval	6468(-1416)	6462(-1406)
V-7 Interval	6504(-1452)	6498(-1442)
V-11 Sandstone	6566(-1514)	6570(-1515)
LOWER MORROW LIMESTONE	6590(-1538)	6592(-1536)
SPERGEN	6678(-1626)	6668(-1612)
TOTAL DEPTH	6723	6712



## BIT RECORD

BIT #	SIZE	TYPE	IN	OUT	FOOTAGE	HOURS
1	12 1/4"	S3S	0'	515'	515'	7 3/4
2	7 7/8"	ATJ-05	515'	4147'	3632'	60
3	7 7/8"	ATJ-11C	4147'	6720'	2573'	122 3/4

## SURVEYS

133 1/4	1027 1 1/4	4070 1 3/4	6456 1
224 1/2	1525 2 1/4	4662 1 1/4	6720 1 3/4
315 1/2	2524 1	5166 7/8	
406 3/4	3034 1/2	5666 7/8	
515 1/8	3590 1 1/4	5950 7/8	

## DAILY CHRONOLOGY

DAYS OVER HOLE	DATE	8AM CDT DEPTH	24 HOUR FOOTAGE	DAILY ACTIVITY
1	July 19	0'	0'	MIRU, spud 09.30, drlg, run & cem csg, WOC, NU
2	July 20	515'	515'	NU, drlg
3	July 21	2091'	1576'	Drlg, LC, Drlg
4	July 22	3400'	1309'	Drlg, TFB
5	July 23	4147'	747'	TFB, drlg
6	July 24	4820'	673'	Drlg, LC, drlg
7	July 25	5260'	440'	Drlg
8	July 26	5690'	430'	Drlg, TFB, drlg
9	July 27	5955'	265'	Drlg
10	July 28	6270'	315'	Drlg
11	July 29	6680'	410'	Drlg, prep for & run logs
12	July 30	6720'	40'	Logging, prep for DST #1
13	July 31	6720'	0'	DST #1, prep to run prod csg

## LOST CIRCULATION INTERVALS

2340' 300 bbl, #1, #4 lb/gal  
 2560-2700' 100 bbl, #2, #3 lb/gal  
 5113' 50 bbl, #2, #2 lb/gal  
 5134-5160' 50 bbl, #2, #5 lb/gal



## MUD REPORTS

Date	7-24	7-25	7-26	7-27	7-28	7-29
Depth	5130	5173	5635	5950	6217	6610
Weight	8.6	8.6	9.0	9.0	9.0	9.0
Funnel Viscosity	42	41	44	50	58	58
Plastic Viscosity	7	7	10	10	11	12
Yield Point	15	16	19	21	27	24
Gel Strengths	5/18	6/17	8/17	10/24	11/28	6/23
Water Loss	13.6	14.4	12.8	9.2	9.6	8.8
Filter Cake	1/32	1/32	1/32	1/32	1/32	1/32
Solids	2.1	2.2	4.9	4.8	4.8	4.9
Sand	tr	tr	tr	tr	tr	tr
pH	10.5	10.5	9.5	9.5	9.0	9.5
Alkalinity Pf/Mf	.9/	1.0/	.6/	.7/	.6/	.6/
Calcium	40	60	40	40	60	40
Chlorides	300	300	300	350	350	350
LCM	2	5	3	3	4	5

## DRILL STEM TESTS

DST #1  
Morrow V11 Ss  
6570-6595  
Valid Straddle Test  
Times: 15-30-60-60 Minutes  
BHT 168F

## RECOVERY

Drill Pipe: 4695' Gas in Pipe; 2900' Gas Cut Oil, Reversed Out

Sampler: 2700cc Oil, 34 API; 3 cu. ft. gas; 600 psi

## PRESSURE DATA

IHP 3202  
IFP 361-517    Opened with strong blow, BOB in 5 min  
ISIP 945  
FFP 536-848    BOB in 1 min, GTS in 5 min, 25 min: 32", 30 min: 37", 50 min: 42", 60 min: 37"  
FSIP 945  
FHP 3111



## SUMMARY

The #4 Christopher 43-1 was drilled as a development well to extend the northern limit of Speaker Field. The location was selected upon the basis of sub surface geology and interpretation of seismic and formation microscanner log data. The primary objective was the V11 Sandstone, which produces oil at Speaker Field. Secondary objectives included Morrow V5 and V7 Sands and porosity development within the Marmaton and Spergen Formations.

Total Morrow Clastic Interval was 208'. The V5 and V7 Sandstones were not encountered. However, a V11 Sandstone was encountered (6566-78'). The Sand was poorly seen within the samples, no more than 2% of sample. Description: Sandstone, occasionally unconsolidated and predominately 3-5 grain clusters, clear to white, lower medium to lower coarse grain, sub angular to well rounded, poor sorted, firm to friable, moderately well consolidated, non to poor visible porosity, no stain or odor; some clusters with bright yellow fluorescence and weak streaming cut.

The V11 Sandstone was drill stem tested, recovering gas to surface five minutes into the second open period and 1900' of oil. Production casing was set to produce oil from this interval. A minor show was encountered within the porous Dolomite at the top of the Ft. Scott Member of the Marmaton Formation at a depth of 5888-5903.

## SAMPLE DESCRIPTIONS

### Unlagged Sample Depths and Log Tops

5100-5130 Pred uncon c gr Glorietta Ss Ls lt bn frm hd blkyl micxl occ lt orng vgran Sh red orng frm plty pred grty tr fn slty com gy-lt gy sb fis  
5130-5150 Ls lt orng frm blkyl fn gran occ fn grty Sh cont'd AA abdt lse Ss pit cvgs

### SHAWNEE 5137'

5150-5160 Ls lt-dk bn frm-hd blkyl micxl pred dns tr lt gy gran  
5160-5190 Ls bn-dk bn hd blkyl micxl tr lt gy rthy arg Sh blk-dk gy frm plty sb fis occ fis pred carb  
5190-5210 Ls tn-bn frm-hd fxl-micxl occ vfn gran pos Dol i.p. Sh blk-dk gy cont'd pred carb com red orng cvgs  
5210-5230 Ls tn-bn frm-hd blkyl fxl-micxl pred dns tr fn gran  
5230-5240 Ls cont'd AA Dol lt bn frm-hd blkyl fxl mic suc tr pr intrxl poro NSOC Sh blk-dk gy frm sb blkyl sb fis com carb  
5240-5260 Ls bn-dk bn fxl-micxl dns occ frm rthy rr fos Sh AA occ lt gy-lt gn sft sb wxy  
5260-5280 Ls cont'd Dol lt bn-lt gy frm-hd f-mic suc n-pr vis poro NSOC Sh cont'd  
5280-5290 Ls tn-vlt bn frm fxl com gran fos /pr clky poro NSOC  
5290-5300 Ls tn=bn hd blkyl micxl dns occ fos Sh dk gy-blk frm plty sb fis carb  
5300-5330 Ls bn-lt bn frm-hd blkyl fxl-micxl com fn grty occ rthy fos Sh blk-dk gy frm plty sb fis occ fn grty occ carb  
5330-5350 Ls bn-lt bn frm-hd fxl com rthy-clky tr vooll n vis poro NSOC Sh cont'd  
5350-5380 Ls tn-bn frm-hd fxl-micxl pred dns tr vfn fos  
5380-5390 Ls lt bn-tn frm-sft fxl com vfn gran /tr pr-fr intrprt poro tr Dol i.p. NSOC



5390-5400 Ls tn-lt bn frm fxl com fos occ /fr intrfos poro & occ intrprt poro tr lse fos frag  
tr Dol i.p. NSOC

HEEBNER

5400-5410 Sh blk-dk gy frm sb blk-pty sb fis com fn grty pred vcarb Ls cont'd  
5410-5430 Ls bn-dk bn frm-hd blk micxl dns occ fos Sh cont'd AA Cht wh opq shp

TORONTO 5406'

5430-5450 Ls lt bn frm fxl-micxl com fos occ rthy n-pr vis poro NSOC Sh blk-dk gy frm  
sb blk sb fis com carb occ lt gy fn grty

LANSING 5430'

5450-5460 Ls lt tn sft-frm fxl com fn gran tr fn fos tr c gran com vsft clky n-pr vis poro  
NSOC  
5460-5470 Sh dk gy-blk frm pty sb fis blk com carb abdt lt gy splnt fn grty Ls bn-dk bn  
hd blk fxl occ grty fos n vis poro  
5470-5490 Ls lt bn frm-fri fxl com sft clky tr fn gran /pr intrprt poro NSOC  
5490-5500 Ls bn-dk bn hd blk fxl-micxl occ fos occ dns tr Dol i.p. tr lt gy vfn sdy  
5500-5510 Ls lt bn frm fxl com ool /sft clky mtz abdt fxl-micxl rr Dol i.p. NSOC  
Sh dk gy-blk frm pty sb fis pred carb  
5510-5520 Ls bn-dk bn frm-hd blk fxl-micxl pred dns Sh cont'd AA  
5520-5530 Ls lt bn frm-hd blk fxl occ dns occ fn grty Dol i.p.  
5530-5550 Ls bn-dk bn frm-hd blk fxl-micxl com vfos occ ool  
5550-5560 Ls cont'd AA pred fos & ool  
5560-5570 Ls bn-lt bn frm fxl pred voal abdt g-vg oom poro tr /suc mtz oxx clk fill oom  
poro NSOC  
5570-5590 Ls lt bn frm-hd blk fxl occ fos & ool occ rthy  
5590-5610 Ls lt bn-bn hd blk fxl-micxl pred fos occ dns tr c lse fos frag  
5610-5630 Ls bn-lt bn frm-hd blk fxl-micxl com f-mic gran occ fos Sh dk gy-blk frm pty  
occ blk occ splnt sb fis carb  
5630-5640 Ls bn-lt bn frm-hd fxl com gran rthy occ fos n-pr vis poro Sh cont'd AA  
5640-5660 Ls bn-lt bn cont'd Sh dk gy-blk frm sb blk-pty sb fis pred carb  
5660-5670 Dol lt bn-tn frm blk mic gran rr fos tr pr-fr intrxl poro NSOC  
5670-5690 Ls bn-lt bn frm-hd blk fxl occ mot rthy fos com pyr Sh blk-dk gy frm blk fn  
grty sb fis com carb  
5690-5700 Ls lt bn frm fxl com fn mic gran rthy tr suc Dol occ fos tr lse fos frag poro NSOC  
5700-5720 Dol bn-drty bn frm mot fos com fn gran occ suc arg i.p. occ sft rthy tr pr intrprt  
poro NSOC  
5720-5750 Ls bn-dk bn frm-hd blk fxl occ c frag occ fos pred dns Sh blk-dk gy frm sb  
blk-pty sb fis occ grty pred carb  
5750-5780 Ls bn-dk bn hd blk fxl-micxl com c gran occ c fos mot occ rthy tr Dol i.p.  
5780-5790 Ls lt bn frm-hd blk fxl com mic gran com clky occ fos  
5790-5810 Ls lt bn-bn cont'd AA incr fos occ lt gy vsdy

MARMATON 5813'

5810-5830 Ls lt bn frm fxl com fos occ /clky mtz tr lse c gr ool tr Dol i.p. n-pr vis poro  
NSOC Sh blk-dk gy frm pty sb fis com carb



- 5830-5850 Ls bn-lt bn frm-hd blkyl fxl-micxl pred dns tr fos  
 5850-5870 Ls bn-dk bn hd blkyl micxl com rthy-clky fos tr sdy
- Pawnee Member 5847'
- 5870-5880 Ls bn-lt bn frm-hd blkyl fxl-micxl com fos tr ool tr fr-g moldic poro rr /fr intr fos  
 poro com clk fill NSOC  
 5880-5890 Ls lt bn frm blkyl fxl-micxl pred dns com vfos occ pyr  
 5890-5900 Ls bn-dk bn frm-hd blkyl micxl dns com fos occ gy arg Sh blk-dk gy frm plty-  
 blkyl sb fis pred carb
- Ft. Scott Member 5896'
- 5900-5920 Dol lt bn frm-vfri fn-mic suc occ /pr intrxl poro bri yel gn flor bn oil stn vsl odor  
 wk strmg ct fr-g crush ct Sh cont'd AA Ls AA  
 5920-5940 Ls bn-lt bn frm-hd fxl com vfos occ rthy-clky occ pyr n-pr vis poro NSOC
- CHEROKEE 5927'
- 5940-5950 Sh mod dist incr blk frm sb blkyl-blky sb fis pred fn grty vcarb Ls bn-dk bn frm-  
 hd blkyl fxl com mot fos  
 5950-5960 Trip Trash  
 5960-5970 Ls dk bn frm-hd mot fos tr lt gy gran arg i.p.  
 5970-5990 Ls tn-bn frm-hd fxl-micxl com fn grty com fos tr arg  
 5990-6000 Dol lt bn-gy frm-hd blkyl fxl occ fn-mic suc occ vfri clky i.p. n-pr vis poro NSOC  
 Ls cont'd AA Sh blk-dk gy frm plty-sb blkyl sb fis carb  
 6000-6030 Ls bn-lt bn frm-hd blkyl fxl com gran occ mot fos Sh cont'd  
 6030-6050 Ls bn-lt bn frm-hd blkyl fxl-micxl com dns occ mot fos Sh dk gy-blk frm plty sb  
 fis com grty pred carb  
 6050-6060 Ls bn-lt bn frm-hd blkyl fxl com pyr abdt gran fos occ vsft rthy-clky n vis poro  
 NSOC  
 6060-6100 Ls bn-dk bn frm-hd blkyl fxl-micxl com mot fos occ fn gran tr Dol tr pyr Sh dk  
 gy-blk frm plty sb blkyl sb fis occ grty pred carb Cht wh opq shp  
 6100-6130 Ls bn-dk bn frm-hd fxl-cxl occ frag occ c fos tr blk Sh prt occ pyr Sh blk-dk gy  
 frm plty-sb blkyl sb fis com fn grty pred carb  
 6130-6150 Ls bn-dk bn frm-hd blkyl fxl-micxl com c fos fn gran tr pyr tr lith Sh blk frm  
 plty-sb blkyl occ splnt sb fis-fis com fn grty carb
- ATOKA 6151'
- 6150-6170 Sh cont'd AA occ lt gy vfn grty pred carb Ls bn-lt bn frm-hd blkyl fxl-micxl com  
 fos com fn grty  
 6170-6200 Ls bn-lt bn frm-hd com mot fos occ fn gran rthy occ dk gy micxl dns Sh cont'd  
 6200-6220 Sh blk-dk gy frm-hd sb blkyl-plty sb fis-fis occ pyr occ fos pred carb Ls bn-lt bn  
 frm-hd fxl com fn gran occ mot fos tr pyr  
 6220-6250 Ls bn-dk bn frm-hd blkyl fxl-micxl occ fos occ dk gy micxl dns Sh blk-dk gy frm  
 sb blkyl-plty sb fis com carb  
 6250-6270 Ls bn-dk bn frm-hd blkyl micxl pred dns tr fos rthy occ dk gy micxl Sh blk-dk  
 gy frm plty occ splnt fis-sb fis pred vcarb



- 6270-6300 Sh blk-dk gy frm plty-blky sb fis-fis tr lt gy sb wxy pred carb Ls bn-dk bn hd blky micxl tr gran Dol i.p.
- 6300-6320 Ls bn-lt gy frm-hd fxl occ fos tr lse c fos frag occ pyr Sh blk-dk gy frm plty sb fis pred carb
- 6320-6350 Ls bn-dk bn frm-hd blky micxl occ fn gran occ dk gy micxl dns Sh cont'd
- 6350-6370 Ls dk bn-dk gy hd blky micxl occ lt bn fxl fos Sh blk-dk gy frm-hd blky-plty sb fis-fis carb
- 6370-6400 Ls bn-lt bn frm-hd blky occ fn gran fos occ dk gy micxl dns tr pyr Sh blk-dk gy frm plty-blky sb fis carb tr dk gn fis sb wxy

Note: Lagged Sample Depths

- 6378-6380 Sh dk-blk frm plty-blky sb fis fn grty carb tr lt gn sb wxy Ls lt gy frm-hd blky fxl fn gran occ dk gy micxl

MORROW 6382'

- 6380-6382 Sh dk gy-blk cont'd tr lt gy vfn slty rr glau rr lt gn sb wxy
- 6382-6390 Sh blk-dk gy frm plty-blky occ splnt fis rr vfn grty-slty tr pyr tr lt gn sb wxy rr vgt'd Ls lt bn frm-hd blky fxl occ fn grty
- 6390-6404 Sh lt gn-lt gy sft-frm sb wxy tr vgt'd abdt blk fis splnt carb Ls AA
- 6404-6412 Sh lt gn-lt gy sft-frm sb wxy occ vgt'd occ pyr abdt blk fis carb Ls tr only lt bn hd fxl com rthy
- 6412-6414 Sh cont'd AA Ls lt bn-lt gy hd blky fxl com rthy fn grty tr dk bn micxl occ pyr
- 6414-6417 Ls bn-lt bn cont'd tr c fos Sh lt gn-gy frm-sft plty-blky occ sb wxy tr vgt'd
- 6417-6419 Ls & Sh cont'd AA tr lse fos frag
- 6419-6421 Sh lt gy-lt gn frm sb wxy occ vgt'd com blk fis splnt carb Ls lt bn hd blky fxl com rthy tr fos
- 6421-6423 Sh gy-gy gn frm splnt fis occ wxy vgt'd occ blk carb
- 6423-6429 Sh lt gy-lt gn frm blky occ splnt sb fis-fis occ vfn grty tr /w rnd blk carb incl
- 6429-6435 Sh lt gn-lt gy cont'd occ pyr tr Coal com blk fis carb
- 6435-6440 Sh lt gn-lt gy frm-hd blky plty occ splnt com vfn grty tr sb wxy /blk carb clst tr pyr com blk fis carb
- 6440-6445 Sh blk-dk gy frm-hd splnt sb fis-fis pred carb tr Coal abdt lt gn AA
- 6445-6450 Sh cont'd AA
- 6450-6456 Sh lt gn-gy frm sb blky-plty occ splnt sb fis com fn grty tr sb wxt vgt'd rr /fn carb incl com dk gy-blk sb fis carb
- 6456-6462 Sh gy-lt gy frm blky sb fis com fn grty occ lt bn-gn sb wxy tr vgt'd pyr

V5 Interval 6468'

- 6462-6470 Sh cont'd AA tr lse Coal com blk frm splnt fis carb
- 6470-6476 Sh lt gy-lt gn frm-hd blky occ splnt com vfn grty rr slty pyr com blk fis carb
- 6476-6480 Sh lt gy-lt gn AA tr vsly glau rr vgt'd
- 6480-6485 Sh gn-lt gn-gy frm-sft splnt sb fis com sb wxy rr vgt'd tr vfn blk carb incl
- 6485-6489 Sh lt gn-bn-gy frm-sft splnt plty com sb wxy tr fn carb incl occ ass /Ls frag rr /flat m gr qtz gr
- 6489-6497 Sh lt gn-lt bn frm blky splnt pred vfn slty glau pyr tr ass Ls tr vfn carb clst rr sft wxy vgt'd abdt blk fis carb
- 6497-6501 Sh cont'd AA sl incr blk frm splnt fis carb



V7 Interval 6504'

- 6501-6506 Sh lt gn-bn-gy frm splnt sb fis-fis sb wxy abdt dk gy-blk fn grty sb fis carb  
 6506-6511 Sh lt gn-bn-gy frm blkly plty occ splnt sb fis-fis occ sb wxy vgt'd abdt blk carb  
 6511-6515 Sh lt gn-bn cont'd AA abdt dk gy-blk  
 6515-6520 Sh cont'd /tr vcol bn-mar vsplnt sb wxy rr mot vgt'd  
 6520-6526 Sh dk gy-blk frm plty sb fis-fis com carb com lt gn sb wxy vgt'd Ls lt bn hd blkly fxl  
 6526-6530 Sh dk gy-blk frm plty-sb blkly vfn grty sb fis carb Ls tr only  
 6530-6534 Sh blk-dk gy plty-blky sb fis-fis occ /slky lust pred carb Ls bn-lt bn frm-hd blkly fxl com cxl frag tr fos rr /scat sd gr  
 6534-6537 Sh blk-dk gy frm plty splnt sb fis-fis com /slky lust com pyr rr vfn slty glau  
 6537-6541 Sh cont'd AA  
 6541-6559 Sh blk-dk gy frm plty splnt sb fis-fis pred carb tr lt gy slty-sdy glau  
 6559-6567 Sh blk-dk gy AA tr lt gy slty glau Ls dk bn-bn hd micxl tr rthy fos

V11 Ss 6566'

- 6567-6570 Ss tr only clr-wh frm-fri m gr-l. c gr sb-w rnd pr srt'd mod w con 3-5 gr clust n-vpr vis poro rr /bri yel flor wk strmg ct NSO tr uncon gr Sh cont'd AA  
 6570-6572 Sh blk-dk gy frm-hd blkly-plty sb fis pred carb Ss cont'd AA tr only  
 6572-6574 Sh blk-dk gy frm-hd AA tr vcol bn-mar-lt gn vsplnt occ sb wxy Ss tr  
 6574-6577 Sh blk-dk gy frm-hd plty-blky sb fis-fis pred carb tr vcol AA  
 6577-6582 Sh cont'd AA  
 6582-6589 Sh blk-dk gy frm-hd blkly plty sb fis com fn grty carb

Lower Morrow Ls 6590'

- 6589-6596 Ls lt bn frm-hd blkly-plty fxl-micxl occ sft rthy glau  
 6596-6603 Ls lt bn frm fxl-micxl pred dns tr rthy frag Sh dk gy-blk frm plty fis-sb fis carb  
 6603-6612 Ls bn-lt bn frm-hd blkly fxl com rthy fn gran tr sdy glau  
 6612-6625 Ls bn-lt bn frm-hd blkly micxl occ rthy pred dns rr fos  
 6625-6635 Ls bn-lt bn cont'd AA occ mot rthy fos rr sdy  
 6635-6643 Ls bn-dk bn hd blkly micxl occ rthy mot fos rr glau rr sdy  
 6643-6653 Ls bn-lt bn frm fxl abdt rthy fos occ frag tr sdy  
 6653-6663 Ls lt bn sft-frm rthy-clky occ /vfn glau pel n-pr vis poro Ss wh-lt gy frm-fri fn-lmgr sb rnd-sb ang pr-mod w srt'd w con com /calc mtx abdt scat glau pel NSFOC  
 6663-6670 Ls cont'd AA Ss cont'd AA dist incr amt NSFOC  
 6670-6680 Ls lt bn frm fxl pred rthy-clky fos occ micxl dns occ vsdy grad-calc Ss  
 6680-6690 Ls lt bn frm-hd blkly fxl com rthy-clky occ c sdy tr glau

SPERGEN 6678'

- 6690-6702 Ls AA Dol lt bn frm-hd fxl occ mic suc mot fos tr blk Sh prt  
 6702-6711 Dol bn-lt bn hd blkly fn-mic suc occ /dk gy fos incl Ls lt bn frm fxl com rthy frag occ micxl tr sdy