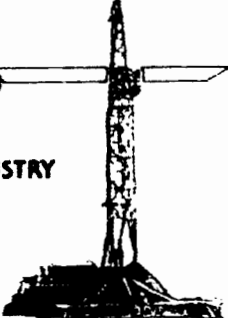


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Computer Inventoried

**GOOLSBY BROTHERS**  
and associates, Inc.  
CONSULTING GEOLOGISTS TO THE ENERGY INDUSTRY  
Oil & Gas-Coal  
1645 Court Place, Suite 303  
Denver, CO 80202  
(303) 893-1718



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GEOLOGICAL WELLSITE REPORT

APR 26 2000

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**MAXX PETROLEUM, LTD  
BURIED HILLS PRODUCTION COMPANY**

**Maxx Lillie #1 HZ**

SURF: N/2 NE NE Section 32, T16S, R25W

BHL: NE/4 Section 32, T16S, R25W  
Ness County, Kansas

Mathew D. Goolsby  
Barry J. Fisler

Consulting Geologists

RECEIVED  
KANSAS CORPORATION COMMISSION

NOV 06 1997

CONSERVATION DIVISION  
WICHITA, KS

**WELL DATA**

OPERATOR: Maxx Petroleum LTD  
□ (Buried Hills Production Co).

WELL NAME: Maxx Lillie #1 HZ

LOCATION: Surface: 227' FNL, 630' FEL, Sec. 32, T16S, R25W Ness  
County, Kansas  
Bottom Hole Location: 1305' FNL, 2288' FEL, (NE)  
Sec. 32, T16S, R25W

FIELD: Arnold SW Field (Mississippian, Warsaw)

ELEVATION: G.L. 2568' K.B. 2580'

ROAD DIRECTIONS: From Ness City, 13 mi. N on US 283, 11 mi. W on K-4, 1 mi.  
SW to location.

DRILLING CONTRACTOR: Nabors Drilling, Rig 296  
TOOLPUSHER: Murray Becker, Bill Brown

GEOLOGICAL WELLSITE SUPERVISION: Goolsby Brothers & Assoc., Inc.  
GEOLOGIST: Mathew D. Goolsby & Barry J. Fisler

MUD ENGINEERING: Baker Hughes Inteq  
PROGRAM: Water/Flocel Surface - 4765', Gel/chem to 4963', Bio Lose to  
total depth

GEOPHYSICAL LOGGING: MWD Gamma Ray provided by Sperry-Sun, 4300 ft to TD.

DIRECTIONAL DRILLING: Sperry Sun  
MWD: Sperry Sun

GAS DETECTION: One man Hotwire w/ Chromatograph fr/ Columbine Logging  
Logging technician: Heino Volmer

HOLE SIZE: 12 1/4" to 1210'. 8 3/4" to 4963', 6 1/8" to total depth.

SURFACE CASING: 9 5/8" to 1202'. 7" to 4963'.

SPUD DATE: 10 July 1997

DATE TD REACHED: 23 July 1997

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SAMPLE PROGRAM: 10 ft intervals 4300' to total depth.  
TOTAL DEPTH: 6385' Driller  
BOTTOM HOLE FORMATION: Mississippian-Warsaw  
WELL STATUS: Probable Warsaw oil producer.  
REMARKS: TVD @ TD: 4510.67 ft (-1930.67) @ vertical section of 1935'

**DAILY DRILLING REPORT**  
7:00 AM Reports

Spud well July 10 at 11:30 PM

<u>Day No.</u>	<u>Date</u>	<u>Depth</u>	<u>Feet Made</u>	<u>Rotating Hours</u>
1	7/11	1190	1190	11 <sup>3</sup> / <sub>4</sub>
2	7/12	1512	322	4 <sup>1</sup> / <sub>2</sub>
3	7/13	2825	1313	20 <sup>3</sup> / <sub>4</sub>
4	7/14	3522	697	14
5	7/15	3932	410	10 <sup>3</sup> / <sub>4</sub>
6	7/16	4250	318	10 <sup>1</sup> / <sub>4</sub>
7	7/17	4684	434	18 <sup>1</sup> / <sub>2</sub>
8	7/18	4821	137	10 <sup>1</sup> / <sub>2</sub>
9	7/19	4963	142	18 <sup>3</sup> / <sub>4</sub>
10	7/20	4963	0	0
11	7/21	4963	0	0
12	7/22	5615	652	18 <sup>3</sup> / <sub>4</sub>
13	7/23	6059	444	16 <sup>3</sup> / <sub>4</sub>
14	7/24	6385 (TD)	326	12

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### MUD RECORD

<u>DEPTH</u>	<u>WT</u>	<u>VIS</u>	<u>WL</u>	<u>PV</u>	<u>GEL</u>	<u>YP</u>	<u>pH</u>	<u>CHLOR</u>
Water & Native Mud to about 1200', then start water-floc								
1567	8.5	27	--	--	--	--	--	800
2882	8.3	27	--	--	--	--	--	1400
3522	8.3	26	--	--	--	--	--	2100
3932	8.3	26	--	--	--	--	8.0	2500
4282	8.6	27	--	--	--	--	8.0	3000
4725	8.5	27	--	--	--	--	8.0	2700
4827	9.2	32	65	3	10/10	10	8.5	3300
4963	9.3	38	65	3	23/28	24	8.3	3000
5174	8.4	42	7.6	9	0/1	7	11.5	2500
5663	8.4	41	8.2	10	1/1	9	10.9	2500
6073	8.5	42	7.6	10	1/1	9	10.9	2500

### BIT DATA

<u>NO.</u>	<u>MAKE</u>	<u>TYPE</u>	<u>SIZE</u>	<u>DEPTH</u>	<u>FEET</u>	<u>HOURS</u>	<u>REMARKS</u>
				<u>OUT</u>	<u>MADE</u>	<u>RUN</u>	
1A	VAR	L117	12 1/4	1210	1210	121	
1	VAR	517	8 3/4	3522	2312	39	
2	RTC	HP51H	8 3/4	3932	2312	10 3/4	
3	RTC	HP51H	8 3/4	4963	1031	56 1/2	
1HZ	RTC	EHP53A	6 1/8	5908	945	29 1/4	
2HZ	RTC	EHP53A	6 1/8	6385	477	17 1/2	

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DEVIATION SURVEYS

<u>DEPTH</u>	<u>DRIFT</u>	<u>DEPTH</u>	<u>DRIFT</u>
127	3/4	219	1/2
404	1	496	1 1/2
622	1	691	3/4
1052	1	1353	1/2
1654	3/4	1960	1/2
2271	1	2503	1
2707	1	3051	1
3346	3/4	3727	3 3/4

For Additional Surveys See Attached Sperry-Sun Data

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## FORMATION TOPS

Elevations calculated using a KB elevation of 2580 feet.

Tops are from MWD Gamma Tool

Intervals above the Lansing not logged by MWD

FORMATION	MEASURED DEPTH	TVD	SUB-SEA	VERTICAL SECTION
<u>PENNSYLVANIAN</u>				
Lansing Group	3886	3886	-1306	0
Base Kansas City	4222	4202	-1622	49
Marmaton Group	4286	4251	-1671	96
Pawnee	4357	4300	-1720	124
Lebette Shale	4541	4400	-1820	257
Ft. Scott	4557	4407	-1827	322
Cherokee Shale	4630	4433	-1853	387
<u>MISSISSIPPIAN</u>				
Spergen	4832	4491	-1911	501
Warsaw	4900	4504	-1924	560

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## SAMPLE DESCRIPTIONS

SAMPLES DESCRIBED FROM LAGGED SAMPLES CAUGHT BY RIG HANDS  
SAMPLE QUALITY FAIR ALTHOUGH CUTTINGS VERY SMALL IN SIZE

- 4300 – 4310 Cavings (100%), consists of rebrn SH & SLTST w/ minor clr ANHY
- 4310 – 4320 Cavings (90%) w/ 10% LS (10%) offwh, crm, mudst, ip flky, brit, tt, nsoc & SH (tr) v dk gy, plty-splty, gen carb
- 4320 – 4330 LS (30%) offwh, mudst, tr wkst, scat chky, plty, brit, tt, nsoc w/ SH (10%) lt-m gn, gy gn, smooth-wxy, sft, rr vdk gy & carb. Rd bed cavings (60%)
- 4330 – 4340 LS (50%) offwh-crm, mudst, ip wkst, rr foss frags, brit-frm, tt, scat min flor, n shows. SH (15%) gygn-dk gy gn, occ v dk gy, plty, scat carb
- 4340 – 4350 LS (40%) off wh-crm, mudst, tr wkst, occ chky, plty, brit, tt, nsoc w/ SH (15%) gygn, occ blk, carb. Red bed cavings (45%)
- 4350 – 4360 LS (50%) offwh-crm, mudst, ip wkst, rr foss frags, brit-frm, tt, scat min flor, n shows. SH (15%) gygn-dk gy gn, occ v dk gy, plty, scat carb w/ 35% cavings
- 4360 – 4370 Red bed Cavings (60%) w/ SH (20%) gygn, occ blk, occ mot w/ red, plty-sb plty, frm, slty, tr carb. LS (20%) offwh-crm, mudst, tr wkst, tr foss frags, brit, frm, tt, nsoc.
- 4370 – 4380 Red bed Cavings (70%) w/ SH(20%) gygn, tr dk gy, occ red brn mot, plty-sb blk, frm, slty, tr carb. LS(10%) offwh-crm, mudst, flaky, plty, brit, tt, nsoc
- 4380 – 4390 Red bed Cavings (85%) w/ SH(10%) gygn, occ m-dk gy, plty-sb blk, slty, occ mot. LS (5%) offwh-crm, tan, mudst, occ wkst, foss frags, tt, nsoc
- 4390 – 4400 Red bed Cavings (80%) w/ SH(15%) gygn, red brn, plty-sb blk, smooth, occ slty, frm-sft, occ imbed sd grs. LS(5%) offwh-crm, mudst, tr foss frags, brit, tt, nsoc.
- 4400 – 4410 Red bed Cavings (85%) w/ SH (10%) red brn, gygn, sb blk-plty, slty, frm-sft, slty, occ mot. LS(5%) offwh-crm, mudst, flky, tt, nsoc
- 4410 – 4420 Red bed Cavings (70%) w/ SH (20%) gygn, red brn, sbblk-plty, occ mot, frm-sft, slty. LS(10%) offwh-crm, mudst, flky, tt, nsoc.
- 4420 – 4430 Red bed Cavings (50%) w/ SH (20%) gygn, m-v dk gy, blk, plty-sb blk, frm-sft, slty, occ carb. LS (30%) offwh-crm, mudst, flky, brit, tt, nsoc. CHT (tr) trnsl, hd.

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4430 – 4440 Red bed Cavings (80%) w/ SH (10%) gygn, occ dk gy, plty-sb blkly, slty, frm-sft,. LS(10%) offwh-crm, mudst-occ wkst, com foss frags, flaky, tt, nsoc

4440 – 4450 LS (50%) offwh-crm, occ trnsl, mudst, occ grnst, com foss frag, flaky-chky, tt, occ chty, nsoc. SH(20%) lt-dk gy, occ gygn, plty-sb blkly, slty, sft-frm, slty, occ carb. Red bed Cavings (30%).

4450 – 4460 Red bed Cavings (90%) w/ SH (10%) gygn, sb blkly-plty, frm, slty-sdy.

4460 – 4470 Red bed Cavings (100%).

4470 – 4480 Red bed Cavings (40%). LS (40%) offwh-crm, occ tan, mudst-wkst, flaky-blky, brit, occ foss frags, com chty, tt, nsoc. SH (20%) gygn, dk-lt gy, occ vcol, plty, sft-frm, slty, occ carb.

4480 – 4490 Red bed Cavings (90%) w/ LS (10%) offwh-crm, mudst, flaky, occ foss frags, tt, nsoc

4490 – 4500 Red bed Cavings (90%) w/ SH (10%) gygn, occ dk gy, plty, sft-frm, slty, occ carb. LS(10%) offwh-crm, mudst, flaky, foss frags, tt, nsoc.

4500 – 4510 No Sample

4510 – 4520 LS (60%) offwh, lt gy, wkst-mudst, flaky-blky, frm, sl dolic, occ gran, gen cln, tt, nsoc. Red bed Cavings (20%) w/ SH (20%) lt-dk gy, vcol, occ gygn, plty-sb blkly, sft, slty, occ carb.

4520 – 4530 LS (40%) offwh-crm, lt gy, mudst-occ wkst, flky-blky, gen cln, occ dolic, tt, occ chty, nsoc. Red bed Cavings (30%) w/ SH (30%) lt-dk gy, vcol, plty-sb blkly, sft-frm, slty, occ carb.

4530 – 4540 LS (50%) offwh-crm, lt gy, wkst-mudst, occ gran, flaky, frm, dns, occ doi, tr foss frags, tt, nsoc. SH (30%) m-dk gy, vcol, tr blk, plty, slty, sft-frm, tr carb, Red bed Cavings (20%).

4540 – 4550 LS (40%) off wh-crm, lt gy, occ lt tan, wkst-mudst, flaky, frm, dns, occ gran, tr dol, tr foss frags, gen cln, tt-tr intxl por, nsoc. SH (30%) m-dk gy, vcol, plty-sb blkly, slty, sft-frm, tr carb. SH (10%) v dk gy-blk, plty-sb blkly, carb. Red bed Cavings (20%).

4550 – 4560 LS (50%) offwh-crm, lt gy, mudst-occ wkst, flaky-blky, frm, dns, sl arg-cln, occ dol, tr foss frags, tt, nsoc. SH (40%) m-dk gy, vcol, plty-sb blkly, slty, com carb. Red bed Cavings (10%).

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- 4560 – 4570 SH (50%) dk gy-blk, sb blk-pty, frm, carb, also vcol, slty. LS (40%) lt gy, offwh-crm, mudst-occ wkst, sl arg-cln, com chty, occ dol, frm, tr foss frags, tt, nsoc. Red bed Cavings (10%).
- 4570 – 4580 LS (50%) offwh-gy, mudst-wkst, tr grnst, cln-arg, ip dolic, tt, min flor, n shows. SH (30%) lt gn-gy gn, gy, ip slty, sft-brit. 20% cavings
- 4580 – 4590 aa w/ inc SH (50%) lt gn, gy gn, gy, gen slty, occ sdy, sl lmy, sft
- 4590 – 4600 SH (60%) lt gn-dk gygn, dk gy, pred slty, ip grds-SLTST, v brit, ip lmy w/ LS (30%) aa & cavings (10%)
- 4600 – 4610 SH (50%) lt gn-gygn, gy, ip dolic/lmy, ip v slty. LS (30%) lt gy, lt gybrn, mudst-occ wkst, freq arg, ip slty, ip hd & dns, rr intxl por, nsoc. 20% cavings
- 4610 – 4620 LS (50%) wh-lt gy-gybrn, mudst, ip arg, most dns, frm-hd, fw pin pt vugs, n shows. SH (30%) aa. 20% cavings
- 4620 – 4630 same aa w/ LS inc to 60%
- 4630 – 4640 LS (40%) offwh-gy, gybrn, pred mudst, cln-arg, frm-hd, tt, nsoc. SH (40%) lt gn-gygn-v dk gy, ip carb, splty-sb blk, ip blk & v carb

NOTE: Sample quality generally poor, drilling w/ water.

- 4640 – 4650 cavings (95%) w/ LS (5%) lt-m gy, wkst, pred slty/arg, brit-frm, ip grds-lmy SLTST & SH
- 4650 – 4660 cavings (99%) w/ LS (1%) aa
- 4660 – 4670 LS (60%) crm-gy, mudst-wkst, sl-v arg, brit, tt, n shows w/ SH (30%) lt gy-gygn, brit, gen slty, sl-v lmy. Cavings (10%)
- 4670 – 4680 LS (60%) crm-tngy-gy, pred wkst, occ mudst, most arg, ip slty, brit, tt, nsoc. SH (30%) lt gy-gygn-gy, slty, ip lmy. Cavings (10%). VPS
- 4680 – 4690 LS (70%) bcmg offwh-crm, ip lt gy, mudst, tr wkst, cln-sl arg, freq dns, tt, ptchy min flor, n shows w/ SH (20%) aa & cavings (10%)
- 4690 – 4700 LS (50%) crm-gy, mudst-wkst, freq arg, ip cln, tt, n shows. SH (40%) mar-gygn, mot, rthy-slty, sb blk. Cavings (10%)
- 4700 – 4710 same w/ sl inc SH
- 4710 – 4720 SH (60%) gy-dk gygn, occ mar & lt gn, smooth-slty, blk, ip sl lmy. LS (30%) crm-gy, mudst-wkst, ip arg, sct intxl por, n shows. Cavings (10%)

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- 4720 – 4730 SH (60%) lt-m gy, gygn, ip lt gn, smooth-wxy, brit, ip lmy/dolic w/ LS (30%) aa & 10% cavings
- 4730 – 4740 same
- 4740 – 4750 LS (40%) offwh, tn, mudst-freq wkst, tr wh cht nod, ip arg, scat p intxl por, nsoc. SH (40%) lt gygn-gy, occ dk gy & lt gn, freq slty, sl lmy/dolic. Cavings (20%)
- 4750 – 4760 LS (50%) crm-lt tn, mudst-wkst-grnst, dolic, freq foss frags, oolitic, scat vugs, fr oolmoldic & vug por, some algal txt & moldic por, yel min flor, n shows. SS (10%) qtz, clr-wh-offwh, vf-cg, p srt congl, silic cmt, p-f cmt, some frost, est up to 15% por, spots min flor, nsoc. 40% cavings & SH aa
- 4760 – 4770 Lagged after trip for MWD. SH (50%) dk-m gy, gygn, vcol, plty-sb blk, slty, frm, freq carb. LS (35%) crm, occ lt tan, mudst-wkst-tr grnst, dolic, gen dns, occ foss frags & ool, occ vugs, frm-hd, tr fr oolmoldic & vug por, yel mnrl flor, nsoc. SS (5%) qtz, clr-trnsl, vf-m gr, sbrd-rd, congl, p cmt-sil, occ frost, fr vis por, nsoc. Red bed Cavings (10%).
- 4770 – 4780 LS (40%) crm, occ lt tan, mudst-wkst, dolic, gen dns, com fos frags & ool, frm-hd, , yel mnrl flor, tr dk brn o stn, slo bledg cut. SH (40%) m-dk gy, as above. SS (10%) qtz, clr-trnsl, vf-occ lse c grs, sbrd-rd, p srt, p cmt-sil, congl, p-fr vis por, nsoc. CHT (5%), trnsl, milky, amb. Cavings (5%).
- 4780 – 4790 SH (60%) vcol gn-gygn-purp, ip mot, smooth-slty, sb splty-blky w/ LS (30%) offwh-crm, mudst-wkst, freq foss frags, tr slty, most cln & dns & v frm, tt, rr spots brn-blk resid stn, gen n show. Cavings (10%)
- 4790 – 4800 SH ((70%) vcol, pred gn-gy gn, ip mar & purp, mot, smooth-slty. LS (25%) crm, lt gybrn, mudst-wkst, scat oolites & fltg sd gr, rr por, nsoc, min flor. Cavings (5%)
- 4800 – 4810 SH (70%) vcol gn-gygn, purp, mar, ip mot, smooth-slty, blk w/ LS (20%) offwh-crm, mudst-wkst-grnst, sl-v dolic, chty w/ wh cht, foss frags, ip oolitic w/ p oolcast por, ptchy yel-gld mnrl flor, n cuts. CHT (10%) ochre-orng, offwh, tr tripolitic
- 4810 – 4820 SH (80%) aa, inc purp, tr ochre w/ LS (20%) aa & CHT (10%) wh-yel-orng, ip trnsl
- 4820 – 4830 SH (70%) vcol gn-gygn-purp-mar, ip mot, smooth-slty. CHT (15%) yel-orng, wh, ip trnsl. LS (15%) aa

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- 4830 – 4840 SH (80%) vcol, gn-gygn-purp, ochre, blk, frm smooth-slty. LS (15%) offwh, crm, wkst-grnst, tr mudst, frm, sl chty, foss frags, tt, ptchy yel-gld min flor, nsoc. CHT (5%) wh-yel-orng
- 4840 – 4850 DOL (20%) v lt gy-lt tn, vfxln, sl suc, occ arg, pred cln, rr intxl por, n vis stn, ptches dk yel min flor, n cuts. SH (60%) vcol, blk, smooth, slty. LS (10%) offwh-crm, wkst-grnst-tr mudst, frm-hd, foss frags, sl chty, tt, patchy yel mnrl flor, nsoc. CHT (10%) yel, wh, red brn, orng, hd.
- 4850 – 4860 SH (50%) m gy, vcol, blk-plty, frm, smooth, slty. DOL (20%) v lt gy, occ lt tan, vfxl, sl suc, gen cln, occ sl arg, tt, occ dul yel mnrl flor, nsoc. CHT (20%) yel, trns-lwh, orng. LS (10%) offwh-crm, wkst-occ mudst, frm-hd, foss frags, chty, spoty mnrl flor, nsoc.
- 4860 – 4870 CHT (70%)yel, offwh-trnsl. SH (20%) vcol, sb blk-plty, smooth, slty. DOL (10) offwh, v lt gy, vf-micxl, occ sl suc, gen dns, tt, occ dul yel mnrl flor, nsoc.
- 4870 – 4880 SH (50%) mar, gygn, vcol, sbblk-plty, occ mot, sltyhd-frm. DOL (30%) offwh-crm, occ tan, mic-vfxl, gen dns, cln, hd-frm, com chty, tt, occ mnrl flor, nsoc. CHT (20%) trns-lwh, occ yel.
- 4880 – 4890 SH (70%) mar, gygn, vcol, sb blk-plty, frm-hd, occ mot, smooth-slty. CHT (20%) wh-trnsl, yel. DOL (10%) a/a, occ yel mnrl flor, nsoc.
- 4890 – 4900 SH (70%) vcol, sb blk, occ mot, smooth-slty, tr pyr. LS (20%) offwh-crm, mudst-wkst, hd-frm, occ foss frags, occ chty, tt, occ dul mnrl flor, nsoc. CHT (10%) trnsl, wh, yel.
- 4900 – 4910 LS (70%) crm, lt yel, occ lt tan, wkst, abnt foss frags, hd, occ chty, tt, v dul mnrl flor, nsoc. SH (20%) gygn, vcol. CHT (10%) yel, trnsl, wh.
- 4910 – 4920 SH (50%) gygn, vcol, occ mot, sb blk-plty, frm-hd, ip smooth, slty, tr pyr. LS (40%) crm, lt yel, wkst-mudst, freq foss frags, occ chty, hd, tt, com dul yel mnrl flor, nsoc. CHT (10%) yel, trnsl, wh.
- 4920 – 4930 LS (70%) crm, lt yel, wkst-mudst, freq foss frags, ip dolc, hd, com chty, tt, dul yel mnrl flor, nsoc. SH (20%) gygn vcol, occ mot, sb blk, hd-frm, ip smooth, slty. CHT (10%) trnsl, yel, wh.
- 4930 – 4940 LS (65%) crm, lt tn, pred wkst & grnst, freq foss frags, oolitic, chty w/ wh-clr-lt yel cht, tt, nsoc. CHT (5%) wh-clr-yel & SH (30%) aa, prob caving fr/ "Terra Rosa"
- 4940 – 4950 LS (80%) aa w/ 20% CHT & SH aa

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- 4950 – 4960 LS (40%) crm, lt tn, wkst-pkst, com foss frags, fw oolites, chty, tt, mnrl flor, n shows. DOL (20%) lt gy, bf, vfxln, gen sl suc, ip sl slty/arg, tr chty, n vis por or show. SH (40%) vcol aa
- 4960 – 4963 LS (60%) offwh-crm, wkst-pkst, sl chty, foss frags, fw oolites, rr pin pt vugs, ptchy dk yel mnrl flor, n shows. DOL (10%) aa, poss micro por, tr dull yel flor, slow mlky yel cuts & SH (30%) vcol aa
- 4963 – 4970 No Sample, geolograph off depth.
- 4970 – 4980 DOL (80%) lt gy-tn, vf-fxln, suc, gd intxl & vug por, looks perm, sl ptchy lt-m brn stn, evn med yel flor, slow hd strmg cuts, petro odor. LS (20%) offwh-crm aa, dolic, ip chky, sl chty, oil shows where grs to DOL
- 4980 – 4990 DOL (70%) aa, sl decr por fr-gd, sl spty brn stn, near evn med yel flor, slow hd strmg yel cuts. LS (30%) crm-tn, wkstn-mudst, v dolic, grdg-lmy DOL, p-fr intxl por, ptchy brn stn. sl ptchy med yel flor, slow strmg cuts
- 4990 – 5000 DOL (80%) crm-brn, vf-fxln, tr micxln, pred suc w/ p-gd intxl por, occ v vuggy, sl ptchy-evn lt-dk brn stn, near evn bri m yel flor, hd strmg cuts. Cmt (20%) & LS (tr) aa
- 5000 – 5010 DOL (20%) aa, tr clr cht nod. Cmt (80%)
- 5010 – 5020 DOL (100%) lt gy-tn-brn, vfxln, ip mic & fxln, pred suc w/ fr-gd intxl & vuggy por, sl ptchy lt-m brn stn, evn bri m yel flor, fr-fast strmg yel cuts, sl odor
- 5020 – 5030 DOL (90%) aa w/ LS (10%) offwh, wkst, sl-v dolic, ip sb chky, flky, v brit, tt, nsoc. SH (tr) lt gn, smooth, blk
- 5030 – 5040 DOL (70%) crm-tn, brn, vf-fxln, pred suc, por var p-f w/ freq vugs, sl spty brn stn, near evn bri m yel flor, fr strmg yel cuts. LS (10%) aa & 20% cmt
- 5040 – 5050 same w/ tr SH v lt-lt gn, v dolic, grds-arg DOL
- 5050 – 5060 DOL (60%) crm-tn, vf-occ fxln, com suc, p-fr intxl por, fw vugs, ptchy lt brn stn, near evn bri yel flor, slow-fast strmg yel cuts. LS (40%) offwh-lt tn, mudst-wkst, few oolites, sl-v dolic, ptchy stn in dolic/sucrosic chips, gen tt w/ n shows. SH pale gn, dolic, v brit, blk
- 5060 – 5070 DOL (80%) crm-tn, mic-vfxln, occ fxln, freq suc, tt-fr-occ gd intxl por, fw vugs, sl spty brn stn, near evn yel flor, fr slow strmg yel cuts. LS (20%) offwh-crm, mudst-wkst, sl-v dolic, gen tt, some p intxl por in dolic cuttings w/ ptchy show

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- 5070 – 5080 DOL (90%) crm-brn, vf-fxln, suc w/ p-gd intxl por, fw vugs, sl ptchy brn stn, gen evn m yel flor, slo w hd strmg yel cuts, ip micxln & tt, occ lt gn & arg. LS (10%) aa
- 5080 – 5090 DOL (90%) v lt gy-dk tn, mic-vfxln, occ fxln, ip lmy, ptchy suc txt, ip vuggy, est p por, ptchy brn stn/bri m yel flor, slow hd strmg yel cuts. LS (10%) aa
- 5090 – 5100 aa, DOL sl inc suc, 20% cmt
- 5100 – 5110 DOL (60%) crm-tn, vfxln, occ fxln, sl-v suc, ip lmy, p-fr intxl por, scat vugs, ptchy brn stn, sl ptchy m yel flor, slow hd strmg yel cuts. LS (40%) offwh-crm, mudst-wkst, sl-v dolic, ip chky, flky, pred tt w/ n shows
- 5110 – 5120 DOL (70%) crm-tn, pred vfxln, ip mic & fxln, com suc, p-fr intxl por, ptchy lt-m brn stn, ptchy dull-bri m yel flor, fr strmg yel cuts. LS (30%) aa
- 5120 – 5130 DOL (90%) tn, vf-occ fxln, suc, p-gd intxl por, scat vugs, inc sl ptchy brn stn, near evn bri yel flor, fr-fast strmg yel cuts w/ LS (10%), offwh, v dolic/grdg-DOL
- 5130 – 5140 DOL (90%) tan, vf-occ fxl, gen suc, p-gd intxl por, occ vugs, patchy brn stn, bcm even bri yel flor, fr-gd strmg yel cuts. LS (10%) offwh, grd to DOL.
- 5140 – 5150 DOL (80%) tan, vf-occ fxl, suc, p-occ gd intxl por, occ vugs, patchy brn stn, bcm evn bri yel flor, fr-gd strmg cuts. LS (20%) offwh, mudst-wkst, gen dns, occ rexl, v dol-grd to DOL, chky i.p, occ chty, tt, nsofc.
- 5150 – 5160 DOL (90%) tan, vf-fxl, gen suc, occ dns, p-occ gd intxl por, tr vugs, decr patchy brn stn, near evn bri yel flor, fr-gd strmg yel cuts. LS 10%), as above, nsofc.
- 5160 – 5170 DOL (80%) tan, tr gygn, gen vfxl, suc, p-gd intxl por, rr vugs, patchy brn stn, near evn bri yel flor, fr-gd strmg yel cuts. LS (20%) offwh, mudst-wkst, gen dns, v dol, chky i.p, tt, nsofc.
- 5170 – 5180 DOL (90%) offwh, tan, occ trnsl, vfxl, suc-p-occ gd intxl por, tr vugs, abnt patchy blk-v dk brn stn, fr-gd strmg yel cuts. CHT (10%) clr-trnsl.
- 5180 – 5190 DOL (80%) offwh, tan, occtrnsl, vf-occ fxl, suc, p-gd intxl por, abnt patchy blk-v dk brn stn, evn bri yel flor, fr-gd strmg yel cuts. CHT 20%) trnsl, occ free qtz xls, tr pyr.
- 5190 – 5200 DOL (80%) offwh, tan, occ trnsl, vf-occ micxln, suc i.p, p-gd intxl por, abnt patchyblk-dk brn stn, evn bri yel flor, fr-gd strmg yel cuts. CHT (20%) trnsl, milky wh, tr pyr.

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- 5200 – 5210 DOL (80%) offwh, tan, vf-micxl, suc i.p, occ dns, tt-gd intxl por, patchy dk brn-blk stn, fr-gd strmg yel cuts. CHT (20%) as above.
- 5210 – 5220 DOL (70%) offwh, tan, vf-micxl, suc i.p, incr dns, tt-fr intxl por, v patchy dk brn-blk stn, evn bri yel flor, fr strmg cuts. CHT (30%) as above.
- 5220 – 5230 DOL (80%) offwh, tan, vf-micxl, incr dns, decr suc, tt-fr intxl por, v patchy dk brn-blk stn, fr strmg cuts. CHT (20%) trnsl, milky wh, occ lse qtz xls.
- 5230 – 5240 DOL (80%) offwh, tan, vf-micxl, com dns, suc i.p, sl lmy, tt-fr intxl por, patchy dk brn-blk stn, near evn bri yel flor, fr strmg cuts. CHT (20%).
- 5240 – 5250 DOL (90%) offwh, tan, vf-micxl, com dns, suc i.p, tt-fr intxl por, patchy dk brn stn, tr blk stn, near evn bri yel flor, fr strmg yel cuts. CHT (10%) wh
- 5250 – 5260 DOL (90%) tan, offwh, vf-micxl, com suc, occ dns, fr intxl por-tt, patchy-occ evn m-dk brn stn, near evnbri yel flor, fr strmg yel cuts. CHT (10%) trnsl, milky wh, occ lse qtz xls.
- 5260 – 5270 DOL (90%) tan, occ offwh, vf-occ micxl, com suc, occ dns, gen fr intxl por, im brn stn, near evn bri yel flor, fr-gd strmg yel cuts. CHT (10%) trnsl, milky wh. TR SH gygn dolie.
- 5270 – 5280 DOL (90%) tan, occ offwh, vf-occ micxl, gen suc, occ dns, sl lmy i.p, fr-p intxl por, patchy m brn stn, near evn bri yel flor, fr-gd strmg yel cuts. CHT (10%) trnsl, milky wh. TR SH gygn, dolie.
- 5280 – 5290 DOL (85%) tan, occ offwh, vf-occ micxl, gen suc, occ dns, sl lmy i.p, fr-p intxl por, patchy m brn stn, near evn bri yel flor, fr-gd strmg yel cut. CHT (10%) trnsl, milky wh. TR SH gygn. RR TR LS lt yel, mudst.
- 5290 – 5300 DOL (90%) tan, lt brn, occ offwh, vf-occ micxl, gen suc, occ dns, v sl lmy i.p, fr-p intxl por, patchy brn stn, near evn bri yel flor, fr-gd strmg yel cuts. CHT (10%) trnsl. TR SH & LS as above.
- 5300 – 5310 DOL (90%) tan, lt brn, occ offwh, vf-occ micxl, gen suc, occ dns, fr-p intxl por, tr vugs, patchy-occ evn brn stn, near evn bri yel flor, gd-fr strmg cuts. CHT (10%) trnsl. Tr SH gygn, dolie
- 5310 – 5320 DOL (90%) tan, offwh, occ lt brn, vf-occ micxl, gen suc, occ dns, fr-p intxl por, tr vugs, patchy-occ evn brn stn, near evn bri yel flor, fr-gd strmg yel cuts. CHT (10%) trnsl. Tr SH gygn.
- 5320 – 5330 DOL (90%) gen as above, patchy brn stn, evn bri yel flor, fr-occ gd strmg yel cuts. CHT (10%) trnsl. Tr SH gygn.

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- 5330 – 5340 DOL (90%) tan, offwh, lt brn, vf-occ micxl, gen suc, occ dns, tr vugs, fr-p intxl por, patchy-evn brn stn, near evn bri yel flor, fr-gd strmg cuts. CHT (10%) trnsl. Tr SH gygn, dolie.
- 5340 – 5350 DOL (95%) tan, offwh, lt brn, vf-occ micxl gen suc, occ dns, fr-p intxl por, patchy-evn brn stn, near evn bri yel flor, fr-gd strmg yel cuts. CHT (5%) clr.
- 5350 – 5360 DOL (95%) as above, fr-occ gd intxl por, patchy-evn brn stn, near evn bri yel flor, fr-gd strmg cuts. CHT (5%) milky wh, clr. Tr SH gygn, dolie
- 5360 – 5370 DOL (90%) tan, offwh, lt brn, vf-occ fxl, gen suc, occ dns, fr-occ gd intxl por, patchy-near evn brn stn, occ blk stn, fr-gd strmg cuts. CHT (10%) milky wh, trnsl.
- 5370 – 5380 DOL (90%) tan, offwh, lt-m brn, vf-fxl, occ micxl, gen suc, occ dns, tr vugs, fr-occ gd intxl por, near evn brn stn, patchy blk stn, fr-gd strmg yel cuts. CHT (10%) trnsl. Tr SH gygn, occ mot, dolie.
- 5380 – 5390 DOL (85%) gen as above, fr-gd intxl por, patchy-near evn brn stn, occ blk stn, near evn bri yel flor, fr-gd strmg yel cuts. CHT (15%) trnsl, milky wh. Tr SH gygn, dolie.
- 5390 – 5400 DOL (85%) tan, offwh, lt brn, vf-fxl, occ micxl, gen suc, occ dns, tr vugs, fr-occ gd intxl por, near evn-patchy brn stn, occ blk stn, near evn bri yel flor, fr-gd strmg yel cuts. CHT (15%) trnsl, milky wh.
- 5400 – 5410 DOL (90%) tan, lt brn, offwh, vf-fxl, occ micxl, gen suc, occ dns, fr-gd intxl por, near evn-patchy brn stn, near evn bri yel flor, fr-gd strmg yel cuts. CHT (10%) milky wh. Tr SH gygn, dolie.
- 5410 – 5420 DOL (90%) gen as above. CHT (10%) trnsl, milky wh
- 5420 – 5430 DOL (90%) lt brn, tan, offwh, vf-fxl, occ micxl, gen suc, occ dns, fr-gd intxl por, near evn brn stn, near evn bri yel flor, fr-gd strmg cuts. CHT (10%) trnsl, clr. Tr SH gygn, dolie.
- 5430 – 5440 DOL (90%) tan, lt brn, off wh, vf-fxl, occ micxl, gen suc, occ dns, tr vugs, fr-gd intxl por, near evn-patchy brn stn, tr blk stn, near evn bri yel flor, fr-gd strmg cuts. CHT (10%) trnsl.
- 5440 – 5450 DOL (90%) as above. CHT (10%) trnsl, milky wh.
- 5450 – 5460 DOL (90%) tan, lt brn, offwh, vf-fxl, tr micxl, gen suc, occ dns, tr vugs, fr-occ gd intxl por, near evn-patchy brn stn, near evn bri yel flor, fr-gd strmg yel cuts. CHT (10%) trnsl, clr.

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5460 – 5470 DOL (90%) lt brn tan, offwh, vf-fxl, occ micxl, gen suc, occ dns, fr-gd intxl por, evn-patchy brn stn, near evn bri yel flor, fr-gd strmg yel cuts. CHT (10%) clr, trnsl, occ lse qtz frags. Tr SH gn, gygn,dolic.

5470 – 5480 DOL (95%) tan, lt brn, offwh, vf-fxl, tr micxl, gen suc, tr dns, fr-occ gd intxl por, patchy-near evn brn stn, near evn bri yel flor, fr-gd strmg yel cuts. CHT (5%) trnsl, clr.

5480 – 5490 DOL (95%) gen as above. CHT (5%) clr, trnsl.

5490 – 5500 DOL (95%) tan, lt brn, offwh, vf-fxl, tr micxl, gen suc, tr dns, fr-occ gd intxl por, patchy-near evn brn stn, near evn bri yel flor, fr-occ gd strmg cuts. CHT (5%) trnsl, clr.

5500 – 5510 DOL (90%) tan, offwh, lt brn, vf-micxl, gen suc, incr dns, fr-p intxl por, occ vugs, patchy-occ near evn brn stn, tr blk stn, near evn bri yel flor, fr-occ gd strmg cuts. CHT (10%) trnsl, milky wh.

5510 – 5520 DOL (90%) tn, occ crm, pred vfxln, gen suc, p-fr-gd intxl por, ip v vuggy, sl chty, sl ptchy lt-m brn stn, evn m yel flor, gd strmg yel cuts w/ CHT (10%) clr-milky wh

5520 – 5530 DOL (90%) dk tn, vf-fxln, inc suc & vuggy, pred gd por, looks perm, evn m-dk brn stn, ptchy m yel flor, some poss dead stn, slow hd strmg yel cuts. CHT (10%) clr-milky wh

5530 – 5540 no sample

5540 – 5550 DOL (85%) tn-lt brn, vf-fxln, v suc, pred gd intxl & vug por, occ fr por, chty, near evn m-dk brn stn, ip dead stn, sl ptchy m yel flor, slow strmg cuts. CHT (15%) mlky wh-clr

5550 – 5560 DOL (90%) crm-dk tn, vfxln, ip mic & fxln, pred suc, freq vuggy, por var p-gd, ptchy vis lt-m brn stn, near evn bri m yel flor, fast strmg cuts. CHT (10%) aa

5560 – 5570 DOL (80%) aa, scat ghost foss, freq vuggy w/ pin pt-coarse vugs. CHT (20%) mlky wh-clr

5570 – 5580 DOL (90%) crm-tn, vf-fxln, suc, fr-gd intxl & f vuggy por, sl chty, sl ptchy m brn stn, near evn bri yel flor, v fast strmg yel cuts w/ CHT (10%) aa

5580 – 5590 sample gen aa, DOL occ mic-vfxln w/ p por, sl inc chty

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- 5590 – 5600 DOL (90%) crm-dk tn, vf-fxln, occ micxln, sl chty, gen suc, com pin pt-f vugs, p-gd intxl & vug por, sl ptchy lt-m brn stn, near evn bri yel flor, fast strmg cuts. CHT (10%) mlky wh-clr & tr lt gn dolie SH
- 5600 – 5610 DOL (80%) pred lt-dk tn, ip crm, vfxln, scat fxln, suc, pin pt vugs, fr-occ gd por, sl ptchy lt-m brn stn, near evn bri m yel flor, fast strmg cuts. CHT (20%) mlky wh, occ clr
- 5610 – 5620 DOL (80%) crm-tn, mic-vfxln, ip fxln, most suc but ip micxln & tt, shows aa w/ CHT (20%) aa
- 5620 – 5630 DOL (80%) crm-tn-brn, mic-fxln, most suc, inc vuggy w/ pin pt-f vugs, ip micxln w/ tt mtrx, gen fr-gd por, sl ptchy lt-dk brn stn, near evn bri m yel flor, fr-fast hd strmg yel cuts. CHT (20%) mlky wh-occ clr
- 5630 – 5640 DOL (70%) aa, inc fxln & vuggy. CHT (30%) wh-mlky wh, occ clr, tr tripolite
- 5640 – 5650 DOL (70%) crm-tn, vfxln, ip micxln & tt, gen suc w/ p-fr-gd intxl por, fw vugs, ptchy lt-m brn stn, sl ptchy bri yel flor w/ fr-fast strmg cuts. CHT (30%) wh-mlky wh, clr
- 5650 – 5660 DOL (80%) crm-dk tn, mic-vf-fxln, most suc w/ fr-gd intxl por, ip vuggy, sl ptchy-evn m brn stn, near evn bri m yel flor, fast strmg cuts w/ CHT (20%)
- 5660 – 5670 DOL (80%) aa, sl-v chty, shows gen aa, scat dk stn w/ CHT (20%) mlky wh-clr
- 5670 – 5680 DOL (80%) crm-brn, mic-fxln, gen suc & vugy w/ fr-gd por, ip micxln & tt, ptchy-evn m brn stn, near evn bri yel flor, fast hd strmg cuts. CHT (20%) aa
- 5680 – 5690 DOL (90%) crm-brn, mic-fxln, dns-suc, freq vugs, por varies p-gd, show intensity inc w/ por, evn stn/bri flor/fast cuts from best por, spty shows in tt-p por. CHT (10%) pred clr
- 5690 – 5700 DOL (80%) crm-brn, mic-vfxln, scat fxln, dns-suc, por varies p-gd, com pin pt-f vugs, gen evn stn in best por, fast cuts. CHT (20%) wh-occ clr
- 5700 – 5710 sample aa, DOL sl inc sucrosic & inc vuggysl ptchy m-hvy brn stn, near evn bri m yel flor, fast strmg cuts
- 5710 – 5720 DOL (90%) crm-tn, vfxln, pred fr-gd intxl & vug por, ip p por, sl ptchy lt-m brn stn, near evn mod-bri m yel flor, fr-fast strmg cuts. CHT (10%) wh-clr
- 5720 – 5730 DOL (90%) aa, gen fr-gd intxl & vug por, occ p por, shows aa w/ CHT (10%) aa

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5730 – 5740 DOL (85%) crm-tn-gybrn, vf-fxln, pred fr-gd intxl & pin pt-f vug por, near evn lt-dk brn stn, ptchy dull-bri yel flor (ip dead stn), fr mlky yel cuts. CHT (15%) wh-mlky wh-clr

5740 – 5750 DOL aa w/ inc CHT (30%) clr-wh

5750 – 5760 DOL (70%) crm,occ lt tngy, vfxln, ip fxln, suc, sl chty, p-fr-gd intxl por, fw vugs, sptty lt brn stn, sl ptchy mod-bri yel flor, mlky-fr strmg cuts. CHT (30%) wh-clr

5760 – 5770 aa w/ inc clr CHT, scat qtz euhed

5770 – 5780 DOL (70%) crm-tn-tngy, vf-fxln, scat micxln, v chty w/ clr CHT, p-fr-gd intxl & vug por, sl ptchy lt brn stn & dull-bri yel flor, fr-fast strmg yel cuts. CHT (30%) pred clr, tr euhed QTZ

5780 – 5790 DOL (70%) crm-tn, vfxln, gen suc, p-fr- gd intxl por, scat vugs, ptchy lt -tr m brn stn, evn bri m yel flor, fast strmg cuts. CHT (30%) clr-wh, rr euhed QTZ xtals

5790 – 5800 same

5800 – 5810 DOL (70%) tan, crm, vfxl, gen suc, pr-fr intxl por, patchy-evn lt brn stn, evn bri yel flor, fr strmg cuts. CHT (30%) trnsl, clr, com euhed qtz xls.

5810 – 5820 DOL (70%) tan, crm, occ lt brn, vfxl, gen suc, fr-p intxl por, patchy-evn lt brn stn, evn bri yel flor, fr strmg cuts. CHT (30%) as above.

5820 – 5830 DOL (80%) tan, crm, tr lt brn, vfxl, gen suc, fr-p intxl por, patchy-occ evn lt brn stn, evn mod bri-bri yel flor, fr-p strmg cuts. CHT (20%), trnsl, clr occ euhed qtz xls.

5830 – 5840 DOL (70%) & CHT (30%) as above.

5840 – 5850 DOL (70%) tan, crm, vfxl, gen suc, occ dns, pr-fr intxl por, occ moldic por, patchy-occ evn lt brn stn, near evn mod bri yel flor, fr-p strmg yel cuts. CHT (30%) clr, trnsl, milky wh, com euhed qtz xls.

5850 – 5860 DOL (80%) crm, tan, vfxl, gen suc, tr vugs, p-fr intxl por, patchy lt brn-occ blk stn, evn mod bri yel flor, fr-p strmg yel cuts. CHT (20%) clr, trnsl, tr euhed qtz xls.

5860 – 5870 DOL (80%) & CHT (20%) gen as above.

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5870 – 5880 DOL (80%) tan, crm, lt brn, vf-fxl, gen suc, fr-gd intxl por, occ moldic & vug por, patchy-evn m brn stn, evn bri yel flor, gd fast strmg yel cuts. CHT (20%) clr, trns, tr euhed qtz xls.

5880 – 5890 DOL (80%) tan, crm, lt brn, vf-fxl, fr-gd intxl por, occ moldic por, patchy-evn m brn stn, evn bri yel flor, gd fast strmg yel cuts. CHT (20%) as above.

5890 – 5900 DOL (80%) tan, crm, occ lt brn, vf-micxl, decr suc, com dns, occ vugs, fr-p intxl por, com moldic por, patchy lt brn stn, evn bri yel flor, gd fast strmg yel cuts. CHT (20%) clr, trns, milky wh, com euhed qtz xls.

5900 – 5910 DOL (80%) & CHT (20%) gen as above.

5910 – 5920 DOL (80%) tan, offwh, occ lt brn, vf-occ micxl, gen suc, occ dns, fr-p intxl por, occ vugs, patchy lt brn stn, evn bri yel flor, fr fast strmg cuts. CHT (20%) trns, clr, occ euhed qtz xls.

5920 – 5930 DOL (75%) & CHT (25%) gen as above.

5930 – 5940 DOL (80%) tan, offwh, occ lt brn, vf-occ micxl, gen suc, occ dns, fr-p intxl por, tr vugs, patchy lt brn stn, tr blk stn, evn bri yel flor, fr-gd fast strmg cuts. CHT (20%) clr, trns, tr yel.

5940 – 5950 DOL (70%) tan, offwh, occ lt brn, vf-occ micxl, gen suc, occ dns, fr-p intxl por, tr vugs, patchy-occ evn lt brn stn, evn bri yel flor, fr-gd fast strmg cuts. CHT (30%) trns, milky wh, clr, occ euhed qtz xl frags.

5950 – 5960 DOL (80%) tan, offwh, incr lt brn, vfxl, gen suc, occ dns, fr-occ gd intxl por, occ vugs, patchy-incr evn lt-m brn stn, scat blk stn, evn bri yel flor, gd-fr fast strmg yel cuts. CHT (20%) as above. Tr SH gygn, dolie.

5960 – 5970 DOL (95%) tn-dk gybrn, mic-vf-fxln, pred suc & v vuggy w/ fr-gd por, looks perm, evn brn-blk stn pred dead stn, ptchy dull-mod yel flor, slow milky-n cut, some micxln & dns w/ ptchy stn. CHT (5%) wh-clr

5970 – 5980 sample aa, gen por DOL w/ dead oil show, scat live brn stn w/ good cut

5980 – 5990 DOL (90%) bf-tn-tngy, mic-vfxln, occ fxln, com suc w/ p-fr-gd por, ip micxln & tt, ptchy brn stn, , near evn bri yel flor, fr-fast strmg yel cuts. CHT (10%) mlky wh-clr

5990 – 6000 DOL (80%) crm-tn, vfxln, inc suc, gen fr-occ gd intxl & vug por, sl ptchy lt-m brn stn/evn bri yel flor, fast strmg cuts. CHT (20%) pred clr, ip mlky wh

6000 – 6010 same

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6010 – 6020 DOL (90%) crm-tn, mic-vfxln, dns-suc, tt-fr-tr gd intxl por, scat vugs, ptchy lt-m brn stn, sl ptchy bri yel flor, fr-fast strmg cuts. CHT (10%) clr-mlky wh

6020 – 6030 DOL (90%) lt crmggy-tn, mic-vfxln, sl inc suc, fw pin pt vugs, pred fr-occ gd por, ip dns & tt, ptchy lt-m brn stn, ptchy dull-bri yel flor, slow-fast strmg cuts w/ CHT (10%) aa

6030 – 6040 DOL (85%) pred tn-brn, occ crm, pred vf-occ fxln & suc w/ fr-gd por, sl vuggy, sl ptchy-evn m brn stn & bri m yel flor, fast cuts. CHT (15%) mlky wh, occ clr

6040 – 6050 DOL (85%) lt crmggy-tn, mic-vfxln, ptchy suc & tr vugs, p-fr-occ gd por, ptchy lt brn stn, near evn bri m yel flor, fr-fast strmg yel cuts. CHT (15%) wh-tn, occ clr

6050 – 6060 DOL (90%) crm-gybrn, mic-vf-fxln, freq suc w/ gd intxl & vug por, near evn dk brn-blk dead stn, dull yel flor, slow mlky cuts. CHT wh-clr, tr tn

6060 – 6070 DOL (90%) gen aa w/ inc por & dead stn

6070 – 6080 DOL (90%) offwh-crm-tn, mic-vfxln, sl-v lmy, ptchy p-fr suc & vug por, v ptchy lt brn stn, sl ptchy bri yel flor, fr-fast strmg cuts w/ CHT (10%) pred wh, occ clr

6080 – 6090 DOL (90%) offwh-tn, decr lmy, inc suc por & lt-m brn stn, near evn bri yel flor, gen fast strmg cuts. CHT (10%) mlky wh-wh, tr clr

6090 – 6100 DOL aa, ip w/ gd intxl & vf vug por, evn stn/bri flor in gd por. CHT (10%) aa

6100 – 6110 DOL (90%) crm-tn, pred vfxln, ip mic & fxln, suc, tr vugs, p-fr-gd por, ptchy brn stn, near evn bri yel flor, fr-fast strmg yel cuts, scat tarry blk dead stn. CHT (10%) wh-clr

6110 – 6120 DOL (90%) crm-tn, pred vfxln, ip mic & fxln, suc & vuggy, por varies p-v gd, sl ptchy m brn stn, near evn bri m yel flor/fast cuts w/ 10% CHT aa

6120 – 6130 DOL (90%) crm-tn, mic-vfxln, sl-v suc, tt-fr-occ gd por, ptchy brn stn, sl ptchy bri yel flor, fr strmg yel cuts. CHT (10%) clr-wh

6130 – 6140 same aa

6140 – 6150 DOL (90%) crm mic-vfxln, tt-fr suc/intxl por, ptchy brn stn, ptchy dull-bri yel flor, fr-fast strmg cuts. CHT (10%) clr-wh

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- 6150 – 6160 DOL (95%) crm-tn, vfxln, ip mic & fxln, tt-gd intxl por, spty-evn brn stn, near evn bri yel flor, gen fast cuts, sl inc perto odor w/ CHT (5%) & tr SH lt gy-lt gn, v dolie
- 6160 – 6170 DOL (95%) crm, occ tn, vfxln, scat mic & fxln, suc, pred fr intxl por, tr vugs, ptchy lt brn-tn stn, sl ptchy bri yel flor, fr strmg cuts, tr w/ gd por. CHT (5%) wh-clr
- 6170 – 6180 DOL aa, decr suc, shows aa
- 6180 – 6190 DOL (95%) crm, occ tan, vf-micxl, com suc, occ dns, tr vugs, p intxl por-tt, occ patchy lt brn stn, patchy bri yel flor, fr strmg yel cuts. CHT (5%) wh-clr.
- 6190 – 6200 DOL (95%) & CHT (5%) as above. Tr SH gygn, dolie.
- 6200 – 6210 DOL (95%) crm, occ tan, vf-occ micxl, decr suc, occ dns, tr vugs, p-occ fr intxl por, com patchy lt brn stn, patchy-evn bri yel flor, fr-p strmg cuts. CHT (5%) trnsl-milky wh.
- 6210 – 6220 DOL (85%) & CHT (15%) gen as above.
- 6220 – 6230 DOL (90%) crm, occ tan, vf-micxl, decr suc, com dns, tr vugs, p-occ fr intxl por, decr patchy lt brn stn, patchy-evn bri yel flor, fr-p strmg cuts. CHT (10%) milky wh, trnsl.
- 6230 – 6240 DOL (90%) & CHT(10%) gen as above.
- 6240 – 6250 DOL (90%) crm, occ tan, vf-micxl, com suc, tr vugs, fr-p intxl por, com patchy lt brn stn, patchy-evn bri yel flor, fr-p strmg yel cuts. CHT (10%) clr, trnsl, occ euhed qtz frags. Tr SH gygn, dolie.
- 6250 – 6260 DOL (90%) crm, tan, vf-occ micxl, gen suc, occ dns, fr-p intxl por, tr vugs, com patchy lt brn stn, evn-patchy bri yel flor, fr strmg yel cuts. CHT (10%) trnsl, clr.
- 6260 – 6270 DOL (95%) crm, incr lt brn, vf-occ micxl, gen suc, occ dns, fr-occ gd intxl por, occ vugs, patchy lt brn stn, evn bri yel flor, fr-occ gd fast strmg yel cuts. CHT (5%) clr, trnsl. Tr SH gygn, dolie.
- 6270 – 6280 DOL (95%) tan, crm, occ lt brn, vf-tr micxl, gen suc, tr dns, fr-occ gd intxl por, tr vugs, patchy-occ evn lt brn stn, evn bri yel flor, fr-gd fast strmg yel cuts. CHT (5%) trnsl, clr, occ milky wh.
- 6280 – 6290 DOL (90%) & CHT (5%) gen as above.

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6290 – 6300 DOL (90%) tan, crm, occ lt brn, vf-tr micxl, gen suc, tr dns, fr-gd intxl por, tr vugs, patchy-evn lt brn stn, evn bri yel flor, fr-gd fast strmg cuts. CHT (10%) clr, trnsl, occ euhed qtz frags.

6300 – 6310 DOL (90%) tan, crm, occ lt brn, vfxl, gen suc, fr-occ gd intxl por, tr vugs, patchy-occ evn lt brn stn, evn bri yel flor, fr-occ gd fast strmg yel cuts. CHT.(10%) trnsl, clr

6310 – 6320 DOL (90%) & CHT (10%) gen as above.

6320 – 6330 DOL (90%) tan, crm, occ lt brn, vfxl, gen suc, occ dns, fr-occ gd intxl por tr vugs, patchy-occ evn lt brn stn, evn bri yel flor, fr-gd fast strmg cuts. CHT (10%) trnsl, clr.

6330 – 6340 DOL (90%) tan, lt brn, occ crm, vfxl, gen suc, tr dns, fr-occ gd intxl por, patchy-occ evn lt brn stn, evn bri yel flor, fr-gd fast strmg cuts. CHT (10%).

6340 – 6350 DOL (85%) tan, lt brn, occ crm, vfxl, gen suc, occ dns, fr-gd intxl por, occ vugs, patchy-occ evn lt-occ m brn stn, evn bri yel flor, fr-gd fast strmg cuts. CHT (15%) clr, trnsl, scat euhed qtz frags.

6350 – 6360 DOL (85%) & CHT (15%) gen as above.

6360 – 6370 DOL (80%) tan, crm, tr lt brn, vfxl, gen suc, tr dns, fr intxl por, patchy-occ evn lt brn stn, tr blk stn, evn bri yel flor, fr fast strmg cuts. CHT (20%) trnsl, clr, scat euhed qtz frags.

6370 – 6385 DOL (70%) lt tan, crm, vf-occ micxl, gen suc, occ dns, fr intxl por, patchy-occ evn lt brn stn, tr blk stn, evn bri yel flor, fr fast strmg cuts. CHT (30%) trnsl, milky wh, clr, scat euhed qtz frags. Tr SH gygn, dolie.

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