

LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Commenced drilling October 29, 1956 Finished drilling November 21, 1956

(Denote gas by G)

No. 3, from _____ to _____ No. 6, from _____

No. 2, from _____ to _____ No. 4, from _____ to _____

[illegible]

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
0-3/4"	1002' KB	400	HOWCO		

Adapters—Material _____ Size _____

[illegible]

Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet.

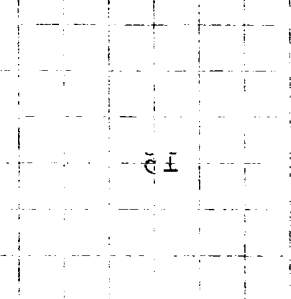
The production for the first 24 hours was ----- barrels of fluid of which -----% was oil; -----% emulsion; -----% water; and -----% sediment. Gravity, °Bé. -----

Rock pressure, lbs. per sq. in.

_____, Driller _____, Driller

FROM—	TO—	TOTAL FEET	FORMATION
	SEE ATTACHED:		
	Geological Completion Report		
	Sample Report		
	Core Report		
	Electrical Log		
	Microlog		
	Induction Log		

LOG OF OIL OR GAS WELL



LOCATE WITH CONFIDENCE

The summary on the page in the condition of the well at about 1000 feet.

October 28, 1957

November 21, 1957

District Superintendent

PERIOD TO BEING PAID BY THE
 (Indicate date)



10-3/4" 35.75 3 39.5 H-40 1016' Baker

HISTORY OF OIL OR GAS WELL

U. S. GOVERNMENT PRINTING OFFICE: 1969-2-50084-2

[illegible]

FORMATION RECORD—Continued

GEOLOGICAL COMPLETION REPORT FOR
BRITISH-AMERICAN #1 NAVAJO

Well Classification:

Exploratory well, Eisti-Callup
San Juan County, New Mexico
British-American #1 Navajo
C NW NW Sec. 15-26N-14W

Well Data:

Commenced drilling:	October 30, 1956
Completed drilling:	November 22, 1956
Contractor:	Foree Drilling Company
Casing Record:	Set 10-3/4" at 1002 K.B. w/100 sax cmt 3% gel. 400 sax cmt. 2% CaCl ₂ 6129.4 CL; 6139.3 KB
Elevation:	Driller 5923+211
Total Depth & Datum:	Plugged and abandoned
PBTD, Datum and Formation:	

Completion Data:

Producing zone:	Plugged and abandoned
Perforations and treatment:	Spotted 30 sax cmt w/5% gel from 1050-1150
	" 1450-1550
	" 3650-3750
	" 4350-4950
	" 5620-5720
	Spotted 10 sax cmt w/6% gel. bottom surface casing 980-1000.

Geological Data:

Logging Data:

Samples:	10' samples from 4983-5920	Stored at: American
	2' samples from 5920-5928	Stratigraphic, Denver,
		Colorado
Electric Log:	Run #1 -2" E.S. 1012-4572	K.B.
	5" E.S. 4250-4572	"
	Run #2 -2" E.S. 4565-4976	"
	5" E.S. 4565-4976	"
	Run #3 -2" E.S. 4750-5929	"
	5" E.S. 4750-5929	"
Microlog:	Run #1 -1100-4974 K.B.	
	Run #2 -4750-5929 K.B.	
Laterolog:	Run #1 -1100-4972 K.B.	
	Run #2 -4750-5929 K.B.	
Geolograph:	1002-5928 K.B.	



British-American #1 Navajo:

Formation Record:

	<u>Schl. Top</u>	<u>Schl. Datum</u>
Pictured Cliffs ss.	1238	+ 4901
Mesa Verde fm.	1503	+ 4631
Pt. Lookout fm.	3680	+ 2459
Mancos sh.	3835	+ 2254
Upper Gallup ss.	4300	+ 1339
Gallup Pay	4882	+ 1257
Sanastee fm.	5190	+ 949
Upper Greenhorn ls.	5429	+ 710
Greenhorn ls.	5565	+ 574
Graneros sh.	5650	+ 509
Dakota fm.	5557	+ 432

Core Record:

<u>Core #1</u>	<u>Interval</u>	<u>Formation</u>	<u>Ft. Recovered</u>
#1	4830-4933	Gallup	53'
#2	4933-4936	Gallup	53'
#3	5709-5760	Dakota	40'

Drill Stem Test Record:

None

THE BRITISH AMERICAN OIL PRODUCING COMPANY

Core Report

LEASE Navajo WELL NO. #1 FIELD Bisti-Gallup
 Core No. 1 From 4880 To 4933 Total Recovery in Feet 53' COUNTY San Juan

Cutterhead Size 7-13/16/38 Kind Dowco Date Core Taken _____

DEPTH		Coring Time		Amt. Rec.	Dip	Complete Formation Description	Coring Comments
From	To	Min	Per. Ft				
4880'	4881.5'			1.5		Sh, blk, poker chip	
4881.5'	4885'			3.5		Sh, blk, w/intlam alt stgrs.	
4885'	4885.5'			.5		Transition from predom sh as above to vfg ss w/occ sh stgr.	
	4887'			1.5		Ss, vfg, 75% w/intlam blk sh.	
4887'	4888'			1		Sh, blk, 90% w/occ alt stgr.	
4888'	4889.5'			1.5		Ss, vfg, 95% w/occ blk sh stgr, good odor.	
4889.5'	4890'			.5		Ss as above, good odor, bleeding oil.	
4890'	4891.5'			1.5		Ss as above, grading to fg at base w/incr in sh, good odor	
4891.5'	4894'			2.5		Ss, s&p, fg, ti, good stn & odor.	
4894'	4894.3'			.3		Sh, blk w/alt stgrs.	
4894.3'	4894.6'			.3		Ss, s&p, fg, ti, good stn & odor.	
4894.6'	4895'			.4		Sh, blk w/alt stgrs	
4895'	4896.5'			1.5		Ss, s&p, f-mg, sl petr & por, good stn & odor	

Remarks _____

THE BRITISH AMERICAN OIL PRODUCING COMPANY

Core Report

LEASE Navajo WELL NO. 1 FIELD Bisti-Gallup
 Core No. 1 From 4880 To 4933 Total Recovery in Feet 53' COUNTY San Juan
 Cutterhead: Size 7-13/16/3 1/2 Kind Dowco Date Core Taken _____

DEPTH From To		Coring Time Min. Per. Ft.	Amt. Rec.	Dip	Complete Formation Description	Fluid Content
4896.5'	4897'		1.5		Ss,fg,s&p, good odor & stn, intlam w/50% blk sh.	
4897'	4897.5'		.5		Ss,fg,s&p, good stn & odor, ti.	
4897.5'	4898'		.5		Ss,vfg,ti, & 50% sh lam, ss has stn & odor.	
4898'	4899'		1		Ss,vf-fg, good stn & odor, ti.	
4899'	4900'		1		Transition from ss as above to predom blk sh & intlam slt, 60% ss w/good odor & stn.	
4900'	4905'		5		Ss,vfg,50% w/intlam sh, ti, fnt odor & occ sli stn.	
4905'	4913.5'		8.5		Ss,vfg,40% w/intlam blk sh, no stn, occ very fnt to no odor.	
4913.5'	4914.5'		1		Ss,vfg,50% w/intlam blk sh, very sli odor. no stn.	
4914.5'	4917.5'		3		Ss as above, no stn or odor.	
4917.5'	4918.5'		1		Ss, fg, v calc, wh, ti, ns, many sh incl at base.	
4918.5'	4924'		6.5		Ss, vfg, ti w/60% blk sh.	
4924'	4927'		3		Ss, vfg-fg, ti, 50% blk sh, sli apparent stn, no odor.	
4927'	4933'		6		Ss, vfg, 60% intlam blk sh,	N.S.

Remarks _____

H. Holten
Signed

THE BRITISH AMERICAN OIL PRODUCING COMPANY

Core Report

LEASE Navajo WELL NO 1 FIELD Lisit-Calluo
 Core No. 2 From 4933 To 4986 53' COUNTY San Juan
 Cutterhead: Size 7-13/16/3 1/2 Kind Dowco Date Core Taken _____

DEPTH From To		Coring Time Min Per Ft.	Amt Rec	Dip	Complete Formation Description	Fluid Content
4933'	4940'		3		Fg, gry-wh, s&p, ss, poor-fair por, scatt lt stn, scatt sh ptgs, appears rew, no odor	
4940'	4953'		13		Fg, gry-wh, s&p, shly ss, poor por, tr lt stn, sbdt sh incl, no odor, Rew.	
4953'	4956'		3		Fg, gr-wh, shly ss, poor por, tr v lt stn, no odor, 50% sh incl, Rew.	
4956'	4957'		1		Fg, gr-wh, ss, poor por, even v lt stn, few sh incl, v fnt odor.	
4957'	4962'		5		Same, even fair stn, good odor.	
4962'	4963'		1		Fg, gr-wh, s&p, ss, fnt stn, poor por, abdt sh incl, v fnt odor.	
4963'	4966'		3		Same as 4957-62 except little tighter & shaller.	
4966'	4967.5'		1.5		Fg, gr-wh, hd ^{dns} /ss, sl fract, no por, bleeding oil along fract, occ 1/4" sh ptgs.	
4967.5'	4970'		3.5		Same as 4963-66.	
4970'	4973.5'		3.5		Fg, gr-wh, hd ss, frequent sh incl, lt stn, fnt odor, v tight.	
4973.5'	4974.5'		1		Fg, gr-wh, hd dns shly ss, no odor.	
4974.5'	4976'		2.5		Fg, gr-wh, hd dns ss, fnt odor & stn.	
4976'	4986'		10		Fg, gr-wh, hd dns ss, no odor or stn, abdt sh incl & ptgs, Rew throughout.	

Remarks _____

H. Holton

Signed

THE BRITISH AMERICAN OIL PRODUCING COMPANY

Core Report

LEASE Navajo WELL NO. #1 FIELD Bisti-Gallup
 Core No. 3 From 5709 To 5760 Total Recovery in Feet 39'8" COUNTY San Juan
 Cutterhead: Size 7-13/16/3 1/2 Kind Diamond/Dowco Date Core Taken 11-19&20-56

DEPTH		Coring Time		Amt.		Complete Formation Description	Prob Contents
From	To	Min	Per. Ft.	Rec.	Dip		
5709'	5711'3"			2'3"		Gr sltst & blk sh, lami, v hd & ti	N.S.
5711'3"	5715'2"			3'11"		Ss, gr, vfg, v. hd & ti, N.S., wet, hly V.F.	N.S.
5715'2"	5715'4"			2"		Sh, blk, fiss, carb.	
5715'4"	5719'			4'2"		Ss, gr, vfg, v. hd & ti, N.S. wet, V.F., 18 1/2 - 19 1/2.	
5719'	5720'			1/2"		Sh, blk, v hd.	
5720'	5731 1/2'			11 1/2'		Ss-sltst, gr, v. thinly lami to 22, gr vfg, v. hd & ti, V.F. 23-23 1/2.	N.S.
5731 1/2'	5732'			1/2"		Sh, blk.	
5732'	5737'			5'2"		Sltst, gr-dk gr, blk,	
5737'2"	5738'			10"		Lami sh & ss, ss vfg, gr, ti, v -sl odor.	
5738'	5739'			1'		Sh, blk, v. carb, w/pyr incl.	
5739'	5740 1/2'			1 1/2'		Lami, sh, sd & sltst, w/ sl vug, v sl odor & lt flor in ss lami.	oil/gas
5740 1/2'	5740'8"			2"		Sh, blk w/sd incl.	oil
5740'8"	5745'			4'4"		Ss & sltst, lami, gr, vfg, v hd & ti, occas sl scatt, p.p. flor in sd, no odor.	oil

Remarks

Signed

THE BRITISH AMERICAN

Gold Reef

WYB

100

From **5709**

17/13/14/31

100

1

Getting There

Min. Per. 54

1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 26

THE UNIVERSITY OF CHICAGO

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SAMPLE REPORT

Page #1

Date 19

WELL NAME	FROM	TO	THICK- NESS	Sample Description starts in the lower Gallup	LITHOLOGY
<u>British-American</u> <u>Navajo #1</u> Bisti-Gallup Area C NW NW section 15-26N-1 San Juan County, New Mexico	4983	4990			V.F.S. (sh & sdy sh)
	4990	5000			V.F.S. Same some vfg sltst-brn
	5000	5010			N.S.
	5010	5020			Tr ss, gr-wh, vfg, cly fill no p&p, 38% sh, gr-dk gr, arg, mic,
					10% gr, sltst
	5020	5030			5% ss, wh, vfg, sl s&f, mic, no p&p, sltst & arg sh, gr, tr bent.
	5030	5040			2% ss, wh, vfg, s&f, silty, p p&p, 15% sltst, v sdy sh, 83% gr,
					1t gr, arg sh.
	5040	5050			1% ss do, sltst gr-vfg, sh gr-brn, arg & mic
	5050	5060			Same
	5060	5070			Tr ss do, v cly fill, sltst do, v arg sh do
	5070	5080			N.S.
	5080	5090			N.S.
	5090	5100			N.S.
	5100	5110			Few sltst gr-vfg, s&p, mic, 98% sh, gr-dk gr, arg, mic, few sl carb.
	5110	5120			Same
	5120	5130			100% sh, brn, v arg, sl mic, sl calc.
	5130	5140			Same
	5140	5150			N.S.
	5150	5160			100% sh, brn, clive gr, mic, arg, few carb, sl calc.
	5160	5170			5% sltst gr-vfg, s&p, 95% sh do.
	5170	5200			Same
	5200	5210			Consl sltst, clac, gr, sh do.
	5210	5220			20% calc sltst, 80% sh do, sl calc.
	5220	5230			Same

GEOLOGIST

SAMPLE REPORT

Date

WELL NAME	FROM	TO	THICK- NESS	LITHOLOGY
British-American Navajo #1	5230	5260		Same
	5260	5270		Same w/tr bent.
	5270	5280		Same
	5280	5300		N.S.
	5300	5330		N.S.
	5330	5340		100% sh, gr-olive gr, sl mic, tr bent.
	5340	5350		Same
	5350	5360		Same w/5% carb, tr coal
	5360	5390		Same
	5390	5400		Same, w/tr bent.
	5400	5410		100% sh, dk gr, blk, tr sh, brn sdy.
	5410	5420		Same w/tr gr-tan v arg sh.
	5420	5430		Same w/2% carb sh & coal,
	5430	5440		Same (no coal)
	5440	5470		Same
	5470	5480		P.S., sh incr gr-brn, arg.
	5480	5490		Same, w/tr mic bent.
	5490	5500		Same
	5500	5510		100% sh, gr-dk-gr-blk, v sl arg & mic flakey/
	5510	5520		Same - Tr w/coal incl.
	5520	5540		Same
	5540	5550		Do, sh, sl more mic.
	5550	5570		Same
	5570	5580		Same, tr bent.
	5580	5600		Same

GEOLOGIST

SAMPLE REPORT

Page Three

Date

WELL NAME	FROM	TO	THICK- NESS	LITHOLOGY
British-American Navajo #1	5600	5610		Same, tr v. arg sh-gr
	5610	5620		Same, consi gr-brn, v arg sh.
	5620	5630		Tr, v arg ls, brn, tr calc, sh, gr-brn, sh, gr-blk, few arg.
	5630	5640		Same
	5640	5650		Same
	5650	5660		P.C. Same
	5660	5670		1 cluster ss, wh, fg, sr, cln, gd p&p, sh do, tr bent.
	5670	5680		100% sh, gr-blk, v sl mic.
	5680	5690		Same w/few lt gr sh, arg.
	5690	5700		3% ss, wh-tan, vfg, sr, sl glau, v sl cly fill, p-fair p&p, sl mic.
	5700	5710		97% sh do, seems to have sl stn, flor & sl cut (oil base mud?)
	5710	5712		3% ss do
	5760	5770		Tr ss do, tr ss tan, v ply dev, shly, s&p, no p&p, 2% ss, gr-grn
	5770	5780		s&p, glau, mic, s-r-a, sl cly fill, ply sort, no p&p.
	5780	5790		Tr ss, vfg, tan, silty, v sl, s&p, no p&p, 99% gr-blk.
	5790	5800		Tr ss, wh, fg, s-r, silty, p p&p, vsl cly fill, do.
	5800	5810		Same, tr bent.
	5810	5820		Tr ss do, v sl mic, 98% sh do, tr bent, mic.
	5820	5830		Tr ss do, tr slst, gr, vfg, glau, hd & ti, 97% sh do, tr bent do.
	5830	5840		2% ss do, 98% sh do.
	5840	5850		Same, w/consi sh, arg.
	5850	5860		Tr ss do, Same
				Same
				2% ss, wh, vf-fg, s.R., sl mic, sl cly fill, p p&p, 97% sh, gr-blk,
				few sdy, tr bent.

GEOLOGIST

SAMPLE REPORT

Page Four

Date 19

WELL NAME	FROM	TO	THICK- NESS	LITHOLOGY
British-American Navajo #1	5860	5866		Tr ss do, 20% sdy sh, gr-brn, carb incl. 70% sh do.
	5866	5870		Tr ss do, tr sdy sh do, 97% sh gr-olive, v sl mic, tr pyr, tr bent
	5870	5880		Same
	5880	5890		3% ss, bf, sl mott, fly dev, gtz, v hd & ti, 97% sh do, w/tr bent.
	5890	5900		1% ss do, few gtz pebbles, soapy, v hd, r, 98% sh do, few carb.
	5900	5910		20% ss, wh, vf-fg, clean, v sl galu, tr clau, fair p&p, wet 79% sh do, 1% bent wh, few gtz pebbles do.
	5910	5914+Cl. 30"		5% ss do, 94% sh do, w/few sdy, 1% bent do.
	5914	5920		5% ss do, 10% chert & gtz frags, wh-soapy, v.a, 30% sh do.
	5920	5922		5% ss, wh, v gtz, no p&p.
	5922	5924		5% ss, wh, vfg, gtz, do, 10% gtz & chert, frags do, 85% sh do.
	5924	5926		Same
				Tr ss wh, fg, a-s.R., sl cly fill, no p&p, few gtz pebbles, do.
				98% sh, gr-olive-gr.
	5926	5928		Tr ss do, few gtz pebbles, 98% sh do, w/tr sh, lt gr, tr bent gr.