

Computer inventoried FORMATION LOG

Deep Rock #9 Calbeck
150' S. & 300' W. #5 Calbeck
33-262-13W
Pratt County, Kansas
elevation: 1950 ± derrick floor

10 3/4" casing 696'; 500 sacks cement; 200# c.c.

7" casing 4485'; 200 sacks cement, 6% gel.
100 sacks wellite; 100 sacks heat cement

Note: All measurements are taken from the top of the rotary bushing which is three feet above the derrick floor.

Depth	Formation Description	Remarks
0 - 40	Soil & clay	Drillers log 0 - 3600'
40 - 75	Sand	
75 - 175	Shale	
175 - 225	Sand	
225 - 585	Red bed	
585 - 812	Shale & shells	
812 - 839	Anhydrite	Stone Corral
839 - 865	Shale	
865 - 1200	Shale & shells	
1200 - 1400	Shale	
1400 - 1510	Salt & shale	
1510 - 1725	Shale & shells	
1725 - 1925	Shale & sandy limestone	
1925 - 2070	Shale & limestone	
2070 - 2345	Limestone	
2345 - 2460	Shale & limestone	
2460 - 2635	Limestone & shale	
2635 - 2795	Sandy shale	
2795 - 2880	Limestone & shale	
2880 - 2980	Shale & limestone	
2980 - 3035	Limestone	
3035 - 3125	Sandy limestone	
3125 - 3165	Limestone	Topska (electric log)
3165 - 3305	Shale	
3305 - 3566	Limestone	
3566 - 3570	Shale	
3570 - 3581	Limestone	
3581 - 3585	Shale	Heebner (electric log)
3585 - 3591	Limestone	Leavenworth (electric log)
3591 - 3600	Shale	Snyderville (electric log)
3600 - 3615	Limestone, light gray to brown, finely crystalline to dense.	Sample log, starts 3600'
3615 - 3646	Shale, light green-gray	Toronto??
3646 - 3684	Sand, gray, medium to sub-medium, angular, micaceous; some hard, quartzitic, shaly sand.	Douglas
3684 - 3746	Shale, gray, fissile; green & brown	
3746 - 3750	Limestone, dark gray to brown, sub-crystalline to dense.	Brown Lansing
3750 - 3770	Shale, gray & limestone, brown, dense	
3770 - 3796	Limestone, tan to brown, finely crystalline to sub-crystalline; some chert, gray to brown translucent; streaks gray shale.	Lansing
3796 - 3807	Limestone, gray to white, finely crystalline to dense	Trace vugular porosity; trace stain, possible trace odor

WENDELL S. JOHNS

(2) Formation log; Deep Rock #9 Calbeck

<u>Depth</u>	<u>Formation Description</u>	<u>Remarks</u>
3807 - 3820	Limestone, as above; trace brown shale.	No porosity
3820 - 3836	Limestone, gray to brown, finely crystalline to sacrose.	Fair porosity, fair oil stain, slight odor
3836 - 3866	Limestone, gray to brown, finely, crystalline to sub-crystalline; streaks green & gray shale; trace gray & brown translucent chert.	
3866 - 3881	Limestone, gray-brown, sub-crystalline, oolitic; some dark brown, opaque chert.	Fair odor, vugular porosity, fair oil stain.
3881 - 3922	Limestone, dark brown to gray to tan, finely crystalline; much chert, light gray, opaque to translucent; streaks shale, gray, some brown	
3922 - 3924	Limestone, light tan, dense	Trace vugular porosity & fair stain.
3924 - 3937	Limestone, light tan to light brown, dense; shale, gray, trace brown.	
3937 - 3940	Limestone, brown, dense	Good pinpoint & small vugular porosity, saturated
3940 - 3954	Limestone, brown & tan, dense; shale, brown & gray; some light gray, opaque chert	
3954 - 3958	Limestone, as above, oolitic	Oolitic & vugular porosity, fair oil stain.
3958 - 3965	Limestone, light, tan, dense; chert, gray, opaque; shale, as above	
3965 - 3972	Limestone, brown to gray, dense, finely oolitic	Fair porosity & odor, good saturation.
3972 - 3984	Limestone, light gray to tan, dense; streak gray & brown shale	
3984 - 3990	Limestone, brown to tan, dense	Vugular & oolitic porosity, possible odor, good stain
3990 - 4039	Limestone, as above; trace gray, opaque chert, shale, green, gray & brown; some limestone brown to gray, finely crystalline	
4039 - 4044	Limestone, gray to brown, dense to sub-crystalline	Questionable porosity on electric log.
4044 - 4046	Limestone, as above	Slightly porous on electric log
4046 - 4060	Limestone, as above	No porosity
4060 - 4066	Shale, green, gray & brown	
4066 - 4104	Limestone, brown to tan, dense; some brown, finely crystalline, fossiliferous; trace gray, opaque chert; some limestone, brown to tan, finely crystalline to dense, sandy.	
4104 - 4128	Limestone, gray-brown, dense; streaks gray & brown shale.	
4128 - 2160	Limestone, as above; chert, gray, sub-translucent to opaque; streaks shale, gray, green & brown.	

<u>Depth</u>	<u>Formation Description</u>	<u>Remarks</u>
4160 - 4170	Mostly shale, gray, some brown; chert, as above.	Pennsylvania Conglomerate
4170 - 4174	Streak, dark brown, dense limestone	
4174 - 4181	Shale, and chert, as above; great increase in brown shale; trace red limestone	
4181 - 4203	Chert, white, opaque to translucent; some devitrified; some black chert; much brown & green shale.	Mississippi
4203 - 4228	Chert, brown to gray, devitrified, porous; much white China, opaque chert.	Porous; possible oil stain
4228 - 4240	Some gray, crystalline to sub-crystalline limestone; shale, as above.	
4240 - 4254	Increase in shale, silver-green-gray; trace green-gray, dense limestone.	Kinderhook
4254 - 4274	Chert, amber, gray, white, opaque to translucent	Viola
4274 - 4281	Chert, as above; much light green, calcareous shale	
4281 - 4300	Considerable devitrified chert; possible trace limestone at bottom.	Porous, some oil stain
4300 - 4302	Shale, gray-brown & green, waxy	Simpson
4302 - 4306	Sand, rounded, white, shaly	
4306 - 4316	Sand, brown, medium, sub-angular some clean, some calcareous	Porous, good oil stain.
4316 - 4323	Shale, green, sandy	
4323 - 4336	Dolomite, light brown, finely crystalline, trace sandy dolomite	Trace stain
4336 - 4338	Shale, bright green, sandy	
4338 - 4343	Sand, coarse, angular, some dolomitic sand	Dark oil stain
4343 - 4348	Shale, green, sandy	
4348 - 4354	Sand, brown, coarse, angular	Porous, saturated
4354 - 4356	Shale, green	
4356 - 4366	Streaks gray-green shale & dirty brown dolomite.	
4366 - 4399	Shale, gray-green to bright green at bottom.	
4399 - 4406	Dolomite, tan, sub-crystalline to crystalline; some dark gray oolitic chert.	Top Arbuckle 4399; no show
4406 - 4414	Dolomite, red, brown, tan, gray & yellow, crystalline, some tripolitic cement	
4414 - 4415	Shale, light green	
4415 - 4416	Dolomite, gray, crystalline, very cherty	
4416 - 4420	Dolomite, gray, crystalline, good oolitic & vugular porosity	Fair odor, good saturation; good show free oil; producing zone in Calbeck 4,5,6,7, & 8.
4420 - 4428	Dolomite, tan, finely crystalline, tight	
4428 - 4432	Dolomite, gray, coarsely crystalline	
4432 - 4436	Dolomite, light gray, very finely sucrose, with a few large sand grains included	

<u>Depth</u>	<u>Formation Description</u>	<u>Remarks</u>
4436 - 4441	Dolomite, light tan to light gray, coarsely crystalline, fair inter-crystall porosity; trace white opaque chert	Fair odor & show free oil; D.S.T. 4424-38; rec. 180' oil & oil cut mud
4441 - 4442	Shale, green	
4442 - 4451	Dolomite, white, light gray and light tan, coarsely crystalline, streaks good inter-crystall and vugular porosity	Fair odor & some free oil D.S.T. 4439-55; rec. 3615' oil, mud and water
4451 - 4453	Streaks shale, gray & dark waxy green	
4453 - 4467	Dolomite, gray coarsely crystalline, tight, much chert, white to blue-white, opaque to translucent, some oolitic chert	
4467 - 4472	Dolomite, as above, less chert, fair inter-crystall porosity	Possibly some oil stain; not tested
4472 - 4480	Dolomite, very coarsely crystalline, rhombohedral, white to tan, some chert, white to gray, opaque to translucent	
4480 - 4485	Dolomite, as above, fair inter-crystall porosity	No show
4485 - 4490	Dolomite, as above, very little porosity	
4490 - 4494	Dolomite, as above, good inter-crystall and vugular porosity	Trace odor and free oil; fair stain
4494 - 4496	Dolomite, as above, very little porosity	
4496 - 4498	Dolomite & oil show as from 4490-94	Oil show, as above D.S.T. 4488-4500; rec. 705' water
4498 - 4500	Streaks shale, green-black, pyritic	
4500 - 4507	Dolomite, white to light tan, finely crystalline to crystalline, some porosity	No show
4507 - 4508	Shale, green-gray	
4508 - 4521	Dolomite, brown & white & brown mottled spotted porosity	No show
4521 - 4524	Dolomite, as above, good vugular and inter-crystall porosity, some white chert, opaque, non-vitreous.	No show
4524 - 4528	Dolomite, as above, streaks slight porosity	
4528 - 4529	Streak shale	
4529 - 4547	Dolomite, as above	
4547 - 4552	Dolomite, brown, coarsely crystalline, good vugular porosity	No show
4552 - 4562	Dolomite, brown to tan crystalline; trace chert	
4562 - 4569	Dolomite, brown to white crystalline, some vugular porosity	No show
4569 - 4572	Dolomite, as above, some oolites, increase in chert, some oolitic chert, trace sand grains in dolomite	
4572 - 4574	Streaks of gray shale	
4574 - 4584	Dolomite, as above,	

<u>Depth</u>	<u>Formation Description</u>	<u>Remarks</u>
4584 - 4585	Trace shale	
4585 - 4600	Dolomite, as above, much white opaque oolitic chert	
4600 - 4609	Dolomite & chert, as above, some porosity	
4609 - 4611	Shale, dark green	
4611 - 4615	Dolomite as above	
4615 - 4618	Dolomite, brown, finely crystalline, much chert, white opaque to translucent, oolitic.	
4618 - 4620	Some shale, as above	
4620 - 4638	Dolomite, gray to light brown, finely crystalline to sub-crystalline, less chert.	
4638 - 4641	Shale, as above	
4641 - 4643	Dolomite, as above, increase in chert	
4643 - 4649	Dolomite, brown to light brown, crystalline, rhombohedral, some inter-crystall porosity.	
4649 - 4658	Dolomite, gray to brown, finely crystalline, rhombohedral, tight.	
4658 - 4660	Shale, as above	
4660 - 4666	Dolomite, as above	
4666 - 4668	Some shale, as above	
4668 - 4676	Dolomite, as above, streaks of fair vugular porosity.	
4676 - 4682	Dolomite, as above, increase in chert, white opaque, oolitic, some white, devitrified, oolitic	
4682 - 4683	Streak of shale	
4683 - 4699	Dolomite, as above, possibly slightly more crystalline; electric log shows good porosity, samples show very little	
4699 - 4702	Shale, gray	
4702 - 4712	Dolomite, brown-gray, finely crystalline to dense	
4712 - 4750	Dolomite, white to light tan, finely crystalline, streaks sub-crystalline dolomite; streaks vugular porosity some white opaque chert	
4750 - 4755	Dolomite, light gray to light brown crystalline, rhombohedral; streaks good vugular porosity	
4755 - 4766	Dolomite, brown, finely crystalline to crystalline; fairly tight	
4766 - 4780	Dolomite, gray, crystalline to finely crystalline	
4780 - 4804	Dolomite, brown, coarsely crystalline, some good vugular porosity.	
4804 - 4818	Dolomite, light brown, to buff, coarsely crystalline, tight	
4818 - 4828	Dolomite, brown, finely crystalline	
4828 - 4836	Dolomite, light brown to buff, finely crystalline to crystalline	

(6) Formation log; Deep Rock #9 Onbeck:

<u>Depth</u>	<u>Formation Description</u>	<u>Remarks</u>
4836 - 4848	Dolomite, as above, some dense to sub-crystalline	
4848 - 4866	Dolomite, white, crystalline to sub-crystalline, coarse sand grains included in dolomite; some chert, white, opaque, very oolitic.	
4866 - 4878	Dolomite, white, to light tan crystalline, a few included sand grains; trace glauconite, some oolitic chert	
4878 - 4890	Dolomite, coarsely crystalline, white, trace sand grains, much tripolitic cement, some vugular porosity.	
4890 - 4904	Dolomite, as above, very little porosity, a little chert, white, opaque	
4904 - 4908	Dolomite, as above, very little sand, good vugular porosity	
4908 - 4968	Dolomite, as above, streaks of vugular porosity	
4968 - 4978	Dolomite, as above, some sand grains included	
4978 - 5000	Dolomite, as above, increase in included sand grains.	
5000 - 5055	Dolomite, white to light gray, coarsely crystalline rhombohedral, good vugular porosity, trace white opaque chert, trace glauconite, much tripolitic cement	No show.
5055 - 5070	Dolomite, as above, some scattered sand grains in dolomite	
5070 - 5083	Dolomite, coarsely crystalline, white, tight massive.	
5083 - 5098	Dolomite, coarsely crystalline, white very good vugular porosity	No show
5098 - 5106	Dolomite, white, coarsely crystalline, sandy, trace glauconite	Base Arbuckle 5106
5106 - 5142	Sand, white, glassy, angular, medium to coarse, fairly dolomitic at top, less dolomitic toward bottom.	Top Reagan 5106
5142 - 5150	Sand, shaly, dolomitic, quartzitic, sand, shale, gray and green.	
5150 - 5158	Sand, white, glassy, angular, coarse, fairly clean	Base Reagan 5158
5158 - 5170	Granite, red, and salmon feldspar, glassy white quartz, coarsely crystalline.	Top Granite 5158
5170	TOTAL DEPTH	

D.S.T. 4424-38; open 30 minutes; good blow throughout test;
no odor of gas; recovered 120' oil, 60' muddy oil and
oily mud.
B.H.P. 365# (15 min.) still building up

D.S.T. 4439-55; open 1 hour; very good blow which almost quit
in one hour; recovered 1365' muddy oil, some water,
540' oil, 1710' water.
B.H.P. 1485# (20 min.)

D.S.T. 4488-4500; open 30 minutes; good blow throughout test;
recovered 705' sulfur water.
B.H.P. 1356# (15 min.)

(Samples examined and log compiled by Wendell S. Johns)

TIME LOG

WENDELL C. JOHNS

Deep Rock and Mine #9/Calbeck
(Salt Water Disposal Well)
1140' S. of NL & 1290' W. of EL of NSX;
33-26S-13W
Pratt County, Kansas
Elevation: 1951 derrick floor (Hand level from #5)

Note: All measurements are from the top of the rotary bushing which is two (2) feet above the derrick floor.

Depth	Time	Remarks
3600 - 10	5-3-5-4-4-4-4-4-5-5	
20	4-4-4-4-4-3-3-3-3-2	
30	2-3-2-3-2-2-3-2-3-2	
40	2-3-3-3-3-4-4-3-3-3	
50	2-3-3-3-3-2-5-6-3-4	
60	3-3-2-1-1-1-1-1-1-1	
70	1-1-1-1-1-1-1-1-1-1	
80	1-1-1-1-1-1-1-1-1-1	
90	2-1-2-1-3-3-3-4-4-3	
90 - 3700	3-3-4-4-4-4-4-4-4-4	
3700 - 10	3-3-3-3-4-5-5-3-4-4	
20	4-4-3-3-5-5-4-4-4-4	
30	5-6-6-6-6-5-3-3-3-3	Trip 3725
40	5-5-5-5-6-9-6-6-8-6	
50	7-7-8-7-8-8-12-9-8-6	Brown Lansing 3746
60	6-6-6-6-4-6-5-6-5-6	
70	7-4-4-5-5-5-5-4-5-4	Lansing 3770
80	5-6-5-6-6-5-4-6-6-4	
90	5-6-4-6-4-6-7-5-4-4	
90 - 3800	4-4-6-6-5-6-4-5-4-4	
3800 - 10	3-4-3-4-4-3-3-4-4-4	
20	6-6-4-7-8-8-8-11-7-6	
30	4-3-4-2-1-2-2-1-2-3	
40	4-3-4-3-3-3-8-10-9-9	Slight odor in 3830 samples
50	9-8-8-7-7-7-7-7-8-8	Slight odor in 3835 samples
60	8-8-7-7-7-8-8-8-8-8	
70	12-11-11-4-4-4-3-3-3-2	
80	4-4-3-2-1-2-2-2-2-3	Trip 3863
90	3-4-4-5-5-6-6-6-6-6	
90 - 3900	7-6-6-6-5-5-5-5-3-4	
3900 - 10	7-10-8-5-4-5-7-7-6-8	Odor in 3895 samples;
20	10-11-10-8-9-12-9-7-7-8	odor in 3900 samples
30	7-6-3-3-8-10-11-12-10-12	Odor in 3905 samples
40	10-10-12-12-12-5-5-3-1-2	
50	5-7-6-6-6-6-5-6-6-5	
60	6-6-7-10-6-6-5-3-7-8	
70	7-7-7-6-6-2-2-3-2-1	
80	1-2-3-4-3-4-5-7-6-6	
90	6-7-6-8-7-5-3-3-6-4	
90 - 4000	8-10-11-9-6-6-7-6-10-11	
4000 - 10	9-10-7-7-7-7-5-5-6-5	
20	4-5-6-6-6-6-6-7-7-7	Slight odor in 3980 samples Trace odor in 3985 samples

(2) Time log; Deep Rock & Mine #9 Calbeck (SMDW)

<u>Depth</u>	<u>Time</u>	<u>Remarks</u>
4020 - 30	7-6-4-4-4-6-6-7-6-6	
40	7-7-7-6-6-5-6-5-7-7	
50	7-7-7-7-6-4-5-8-6-6	
60	7-8-7-7-8-9-9-6-7-10	
70	7-7-8-10-7-7-7-7-8-5	
80	5-4-5-6-6-6-7-7-8-8	Trip 4063
90	3-6-6-4-5-6-5-6-7-7	
90 - 4100	8-9-7-6-5-4-4-4-4-4	
4100 - 10	3-6-6-6-6-7-8-7-7-7	
20	6-7-5-5-6-7-7-7-6-5	
30	7-5-7-9-8-7-8-10-7-6	
40	7-6-5-6-5-9-7-6-4-4	
50	7-6-7-7-5-8-9-9-8-9	
60	9-9-8-7-9-10-7-8-11-12	
70	10-6-8-8-8-9-7-6-7-7	
80	8-9-9-7-7-7-7-7-7-7	
90	7-8-8-6-3-4-3-4-4-3	
90 - 4200	4-4-4-5-5-5-5-5-4-4	
4200 - 10	5-5-5-3-3-3-3-4-3-3	
20	4-3-4-3-4-5-5-6-6-7	
30	5-5-4-4-4-4-4-4-6-5	
40	5-6-6-6-6-5-6-6-6-4	
50	10-12-15-10-5-4-3-3-4-10	
60	10-11-13-14-12-10-10-5-4-3	
70	3-5-3-4-3-4-4-3-3-4	
80	3-3-4-4-5-7-5-8-8-7	
90	11-5-5-6-7-6-6-4-5-4	
90 - 4300	3-5-7-4-6-8-5-4-5-5	
4300 - 10	7-11-12-11-14-10-6-5-8-8	
20	7-8-7-4-4-8-5-6-5-6	
30	4-7-6-7-11-11-11-9-7-8	
40	11-10-13-13-13-13-11-10-7-5	
50	5-6-6-7-7-8-18-10-6-6	
60	5-7-5-5-9-9-8-8-8-9	
70	11-10-8-9-10-8-7-9-3-9	
80	9-8-8-9-9-7-8-9-8-8	
90	10-9-8-10-8-7-6-7-9-9	
90 - 4400	8-9-10-10-8-10-10-8-9-8	
4400 - 10	9-8-9-10-8-5-8-8-7-7	
20	6-10-11-11-7-12-6-8-9-7	
30	10-10-11-13-12-15-6-7-7-8	
40	8-7-7-8-8-8-7-7-10-6	
50	6-5-7-7-6-5-6-5-6-8	
60	7-7-6-9-11-7-8-7-8-5	
70	7-8-8-7-8-9-8-6-6-7	
80	5-6-6-9-8-7-7-10-7-10	
90	6-6-4-5-7-9-8-8-9-6	
90 - 4500	3-2-3-6-8-8-7-6-5-8	
		Trip 4203
		Trip 4243
		Viola Chert 4254
		S.R. 4293-94
		Simpson 4300; Trip 4305
		Trip 4347
		Arbuckle 4399
		Circ. 4420; 1½ hrs.
		Trip 4426
		Circ. 4438; 1½ hrs; Circ. 4439-4440
		New bit; 4438; Rough 4448-50;
		Circ. 4450; 1½ hrs.
		S.R. 4450-52; Rough 4452-53
		Circ. 4455; 1½ hrs.; D.S.T. 4439-55
		New bit 4455
		Circ. 4475; 1½ hrs.
		Circ. 4500; 1½ hrs.; D.S.T. 4488-4500; New bit # 4500

(3) Time log; Deep Rock & Mine #9 Calbeck (S&SW)

<u>Depth</u>	<u>Time</u>	<u>Remarks</u>
4500 - 10	10-7-5-5-4-4-7-8-6-5	
20	8-5-6-6-6-6-5-6-5-5	
30	5-2-3-4-6-7-7-7-6-8	
40	8-9-10-7-7-6-9-9-8-8	Rough 4521; S.R. 4522-24
50	7-7-8-7-7-9-10-3-3-3	S.R. 4534-36
60	3-3-6-7-7-4-7-8-9-7	
70	8-10-5-5-5-5-5-6-7-9	Trip # 4561
80	11-7-10-13-13-9-15-13-12-10	
90	13-10-13-9-7-8-8-8-10-10	Rough 4583
90 - 4600	8-7-10-12-9-10-10-8-10-12	
4600 - 10	8-10-9-8-7-8-7-11-10-10	Rough 4606
20	9-11-9-10-10-8-6-8-9-8	Rough 4617
30	14-14-10-10-10-9-10-12-9-11	
40	11-9-14-14-12-8-8-6-5-6	Trip 4634
50	5-7-8-6-6-5-5-5-5-7	
60	8-7-8-7-10-7-8-9-7-8	Rough 4655
70	6-10-7-10-9-9-6-6-11-11	
80	10-9-10-11-8-9-10-8-6-8	
90	10-10-10-10-7-10-11-8-10-6	
90 - 4700	6-6-10-8-6-7-5-8-8-10	
4700 - 10	9-9-12-11-9-7-10-9-11-11	
20	11-10-8-8-8-8-7-7-8-10	
30	9-7-10-10-10-10-9-9-9-10	
40	9-10-6-7-8-10-10-12-9-7	
50	9-8-11-10-10-6-9-12-9-9	
60	7-8-10-11-10-10-8-8-9-6	Trip 4755
70	7-9-7-5-6-6-9-7-8-7	
80	8-7-6-8-7-9-8-6-5-8	Rough 4773
90	8-10-10-9-8-11-9-9-8-9	
90 - 4800	10-10-7-7-10-10-10-9-5-11	
4800 - 10	12-10-8-8-11-11-13-14-11-11	Trip 4808
20	13-11-10-10-10-10-12-7-7-8	
30	9-9-10-13-11-13-14-11-10-10	
40	12-12-11-11-11-8-11-10-9-10	
50	9-9-10-10-8-8-7-10-6-5	
60	5-8-8-10-9-9-9-10-8-10	
70	10-12-12-13-13-11-10-9-10-10	
80	10-10-9-9-12-10-9-6-5-5	
90	6-9-9-10-8-12-9-6-6-7	
90 - 4900	9-9-9-7-9-7-8-8-12-9	Trip 48 99
4900 - 10	6-7-3-6-5-6-6-6-8-10	
20	10-11-9-9-8-6-7-8-8-9	
30	6-8-8-9-8-8-8-4-5-5	
40	5-5-5-5-6-5-6-9-9-11	
50	8-7-9-9-6-4-6-6-6-7	
60	7-8-8-6-7-8-6-6-7-6	
70	4-6-7-9-6-5-3-4-7-7	
80	6-10-8-8-7-7-8-10-7-6	
90	6-6-3-6-4-3-5-3-6-5	
90 - 5000	5-3-5-6-7-7-8-8-7-5	
5000 - 10	5-6-6-6-5-5-6-8-8-8	
20	8-9-5-7-9-10-9-10-10-10	
30	8-9-7-7-9-11-10-10-8-10	

(4) Time log; Deep Rock & Mine #9 Calbeck (SWDN)

<u>Depth</u>	<u>Time</u>	<u>Remarks</u>
5030 - 40	10-7-8-10-8-10-11-12-12-7	
40	8-7-7-8-9-8-6-7-9-9	
60	11-11-11-10-7-6-6-5-6-4	Trip 5053
70	4-5-6-5-4-7-5-4-4-4	
80	5-7-4-6-5-7-3-5-6-4	
90	6-4-4-2-2-2-2-6-6-5	
90 - 5100	3-8-7-4-4-5-5-4-7-9	
5100 - 10	10-8-7-10-10-12-11-5-10-7	Reagan 5106
20	5-9-8-8-7-4-6-9-6-7	
30	5-9-10-9-7-16-16-18-10-8	Trip 5128
40	7-6-5-5-4-7-8-6-6-9	
50	6-7-5-5-7-9-10-8-8-7	Rough 5143
60	4-5-4-5-4-4-4-5-8-12	Granite Wash 5158
		Solid Granite 5160
70	16-17-20-22-14-17-18-18-20-18	Trip 5164
		R.T.D. 5170