

HUMBLE #1 J. W. CAMPBELL

- 12-13-46 Spudded: December 7, 1946
Set 26" conductor pipe @ 59'.
12-20-46 Set 20" casing @ 164' w/525 sacks.

Core Record

- Core # 1 775- 780' Rec. 1' Very porous (cavernous) cream lime. Composed mostly of fos. with occasional strk. & tr. of carb. mtl. chalky appearance in part.
- Core # 2 875- 880' Rec. 3' Same as above, only more dse., with strks. carb. mtl. in top 2".
- Core # 3 980- 985' Rec. 2½' Same as above (no carb. mtl.).
- Core # 4 1075-1080' Rec. 5" 2" Very porous (cavernous) cream fos. lime.
3" Dse. gray to cream xlyn. lime.
- Core # 5 1175-1185' Rec. 6" Very porous gray to cream lime. Cream limestone is composed entirely of fos. (70%). Also chalky in part with pyrite xyls., tr. glouc., and calcite crystals.
- Core # 6 1265-1270' Rec. 5' 1' Lt. gy. dse. granular xyln. dol.
4' lt. gy. dse. f. g. granular dol.
lime w/trace of glouc. calcite xyls.
- Core # 7 1365-1370' Rec. 2' Tan very porous to cavernous fos. (coguina lime) chalky appearing lime. The cementing mtl. seems to be of a chalky nature w/traces of carb. mtl. and some shell and calcite xyls.
- Core # 8 1460-1465' Rec. 3' Cream very porous to cavernous chalky appearing lime fos. in part.
- Core # 9 1568-1570' Rec. 1½' 1' Tan hd. dse. granular, xyln. dol.
½' Dk. gray slightly porous to dse. xyln. dol. Core recovered in poker chip form.
- Core #10 1665-1670' Rec. 5' Lt. gy. to gy. dse. to slightly porous fos. speckled dol. lime (dol. xyls.). Core recovered in poker chip form.
- Core #11 1765-1770' Rec. 1½' Dense dk. gray to brownish gray f. g. xyln. honey combed dol. w/abun. dol. xyls.

1-24-47 Set 13-3/8" csg. @ 1803' w/500 sacks at bottom & 140 sacks at top.

Core Record

Core #12	1865-1870'	Rec. 1 $\frac{1}{2}$ '	Dense tannish gray finely granular xyln. honey combed dol.
Core #13	1920-1925'	Rec. 6"	Cream honey combed to porous cky. fos. dol. lime.
Core #14	1970-1975'	Rec. 5'	Anhy.
Core #15	2000-2005'	Rec. 4'	3' Cream slightly porous xyln. dol. lime w/incl. of gyp. 1' Cream to lt. gray broken dol. lime w/iron stains & clear gyp xyls. also blk. earthy mtl. in broken areas, sulphur odor in fresh break.
Core #16	2050-2055'	Rec. 4'	3' Lt. gy. to gy. broken dol. lime w/clear gyp xyls. in broken areas. 1' anhy.

Sample Log

Got returns @ 2084'.

2085-2105'	Slightly porous cr. to lt. gy. speckled oolitic dol. lime w/anhy. & tr. carb. mtl. & tan f. g. dol.
2105-2125'	Same as above.
2125-2145'	Same as above.
2145-2165'	Same as above w/no tan f. g. dol. present.
2165-2185'	Slightly porous gy. to cr. oolitic dol. lime w/anhy. & tr. carb. mtl. & tan f. g. dol.
2185-2205'	Slightly porous cr. to gy. oolitic dol. lime w/anhy. & tr. carb. mtl.
2205-2225'	Same as above & tr. f. g. dol.
2225-2245'	Same as above.

Core Record

Core #17	2250-2255'	Rec. 3'	2' Slightly porous gy. (speckled in part) oolitic dol. lime w/inclusions of anhy. & gyp. 1' Slightly porous lt. gy. fos. dol. lime w/inclusions of anhy. & gyp.
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Sample Log

- 2245-2265' Slightly porous gy. to cr. oolitic dol. lime w/inclusions of anhy. & gyp.
- 2265-2285' Slightly porous gy. to lt. gy. speckled & cr. oolitic dol. lime w/inclusions anhy. & gyp & tr. carb. mtl.
- 2285-2305' Slightly porous lt. gy. to gy. dol. lime, tr. cr. oolitic dol. lime w/inclusion of anhy. & gyp & tr. carb. mtl.

Core Record

- Core #18 2300-2305' Rec. 5' 3' Dse. cr. to gy. oolitic dol. lime w/inclusions of anhy. & gyp.
1' Dk. gy. to lt. gy. speckled dol. lime w/inclusions of anhy. & gyp.
1' Porous lt. gy. dol. lime w/inclusions anhy. & gyp.

Sample Log

- 2306-2326' Same as above.
- 2325-2345' Same as above.
- 2345-2365' Dse. gy. to lt. gy. speckled f. g. dol. w/inclusion of anhy. & gyp.

Core Record

- Core #19 2350-2355' Rec. 3½' Dse. gy. to lt. gy. speckled f. g. dol. w/inclusions of anhy. and bands of laminated gy. dol.

Sample Log

- 2365-2385' Same as above.
- 2385-2405' Porous gy. to lt. gy. speckled dol. w/incl. anhy.

Core Record

- Core #20 2400-2405' Rec. 3' 1' Porous lt. gy. speckled dol. lime w/inclusions anhy.
2' Dense gy. small honey comb xyn. dol.

Sample Log

- 2405-2425' Porous gy. to lt. gy. speckled & cr. oolitic dol. lime & anhy.
- 2425-2445' Same as above. (White lime from 2420-25').

Core Record

Core #21 2436-2440' Rec. 4' Porous lt. gy. dol.

Sample Log

2445-2465' Same as above (no white lime).

2465-2485' Porous cr. & gy. to lt. gy. dol. w/inclusion anhy. and tr. white lime. (Dse. tan xyl. dol. at 2472'.)

2485-2505' Dse. cr. to lt. tan xyln. dol. w/tr. grey to lt. grey speckled dol. lime & inclusion anhy. (porous lt. tan to cr. xyln. dol. at 2495'.).

Core Record

Core #22 2490-2495' Rec. 5' Honey combed cr. to lt. tan dol. w/inclusions of anhy.

Sample Log

2505-2525' Same as above. (Porous white dol. at 2516').

2525-2545' Porous white dol.

Core Record

Core #23 2540-2545' Rec. 4' Small honeycomb white sugary dol. w/inclusions of anhy. & gyp.

Sample Log

2545-2565' Same as above.

2565-2585' Same as above. (Porous lt. tan to cr. dol. at 2580').

2585-2605' Porous lt. tan to cr. xyln. dol. w/anhy.

Core Record

Core #24 2590-2595' Rec. 3½' Honeycombed lt. tan to cr. dol. w/incl. of anhy.

Sample Log

2605-2625' Por. lt. tan to cr. xyln. dol. & anhy.

2625-2645' Same as above.

2645-2665' Same as above.

Core Record

Core #25 2650-2660' Rec. 9' Honeycombed tan dol. w/incl. anhy.

Sample Log

2665-2685' Same as above.

2685-2705' Por. tan to gy. dol. w/incl. anhy.

Core Record

Core #26 2697-2702' Rec. 3' Por. to honey combed tan to cr. dol. w/incl. of anhy.

Core #27 2720-2726' Rec. 2 $\frac{1}{2}$ ' 1 $\frac{1}{2}$ ' Por. cr. chky. fos. dol. lime.
1' Tan xyln. dol. w/incl. of anhy.

Sample Log

2705-2725' Tan & white chky. dol. lime w/anhy.

2725-2745' Same as above.

2745-2765' Same as above. (Tan xyln. dol. at 2756').

2765-2785' Porous tan dol. w/incl. anhy.

2785-2805' Same as above. (Tr. of greenish gray speckled dol. 88-90').

2805-2825' Same as above w/tr. chky. lime & gy. speck. dol.

2825-2845' Same as above. (Soft wh. chky. lime at 2844').

2845-2865' White soft fos. chky. lime w/tr. tan dol. & gy. speck. dol. w/incl. anhy. & gyp.

2865-3005' Same as above.

3005-3125' White to cr. chky. lime & tan to cr. dol. & anhy.

Ran schl. @ 3228'.

3125-3340' White chky. lime w/tr. tan & gy. dol. & anhy.

Lost returns @ 3380'.

Returns back @ 3410'.

Sample Log

3410-3540' Same as above.

3540-3805' White chky. lime w/tan dol.

- 3805-3880' Gray to white chky. lime w/tr. tan dol. & anhy. (Pyrite at 3865-66'). (Water flow here 16,250 ppm, 19,000 ppm.)
- 3880-3940' White to gy. chky. lime w/tr. white & tan dol.
- 3940-4110' White & gy. chky. lime w/tr. tan & dk. gy. dol. (Pyrite from 4020-22').

2-7-47 Electrical survey run at total depth 4148'. Schl. Tops:
Lawson Limestone (possible Cret.) 2576'
Navarro 2692'

Sample Log

- 4110-4150' White & gy. chky. lime w/tan & blk. dol.
- 4150-4190' Lt. gy. to gy. lime & wh. chky. lime.
- 4190-4205' Lt. gy. & gy. lime & wh. chky. lime w/tr. gr. sh.
- 4205-4225' Greenish gy. cal. sh.

Core Record

- Core #28 4225-4230' Rec. 4' 3' Dk. gy. to gy. f. granular fos. shly. lime.
1' Dse. gy. lime w/sh. stks.

2-15-47 Set 9-5/8" csg. @ 2968' w/400 sacks.

Core Record

- Core #29 4230-4240' Rec. 6" 4" Soft gy. cal. sh.
2" Tan dol. lime.

Cuttings Gy. cal. sh. w/tr. tan dol. lm. anhy. & pyrite.

Core Record

- Core #30 4240-4245' Rec. 3' 6" Soft gy. cal. sh.
2½' Gy. to dk. gy. firm fos. shly. lime.
- Core #31 4245-4252' Rec. 6' Dse. gy. fos. shly. lime.
- Core #32 4252-4260' Rec. 8' Firm gy. fos. micaceous cal. sh. w/tr. pyrite, lignite.
- Core #33 4260-4270' Rec. 7' 3' Firm gy., fos. cal. sh. w/stks lt. gy. lime.
1' Firm dk. gy. cal. sh. w/pyrite & med. grained qtz. grains.
1' Hd. tight blk. stained qtzitic sd. w/pyrite.
2' Hd. slightly por. to tight clear qtzitic sd.

- Core #34 4270-4272' Rec. 1' Porous clear m. g. qtz. sd. N/S.
 Core #35 4272-4282' Rec. 5' 4' Porous clear m. g. sd.
 1' Slightly porous to tight m. g. sd.
 Core #36 4282-4292' Rec. 7' Dk. gy. micaceous sh.

2-17-47 Drill Stem Test: Halliburton tool with 7 $\frac{1}{2}$ " packer, $\frac{1}{4}$ " choke top & bottom. Packer set @ 4268' & 4261'. Tool open 28 min. Max. Surf. Press. 9 lbs/sq. in. equalized. Min. flowing press. 1500 lbs/sq. in. Average flowing press. 1500 lbs/sq. in. Shut in Press. 1700 lbs/sq. in. Recovered 540' SW cut mud & 3,338' SW.

Chloride Test by Baroid:

21 stds. off bottom	130,000 ppm.
16 " " "	138,000 "
11 " " "	140,000 "
6 " " "	142,500 "
3 " " "	147,000 "
1 " " "	151,500 "
tool " " "	137,000 "

Top Sand 4263', Bottom Sand 4278', few glauconite grains.

Core Record

- Core #37 4292-4297' Rec. 5' 3' Dk. gy. micaceous sh. w/stk. of gy. sd. crossbedded & slicken sides at 32° tr. glauc.
 2' Dk. gy. ring tail sh.
 Core #38 4297-4307' Rec. 5' 2' Sh. Dk. gy. ring tail sh. sli. glauc. w/thin stk. gy. sd.
 $\frac{1}{2}$ ' Sdy. shly. lime.
 2' Sdy. ls. (Non por.) Lt. gy. very sdy. (c.g.) ls., evidence of lava flow at top.
 $\frac{1}{2}$ ' Sh. Blk. mic. sli. glauc. cal. sh.
 Core #39 4307-4309' Rec. 2' 1 $\frac{1}{2}$ ' Sdy. sh. Dk. gy. sdy. mic., cal. sh. w/incl. & irregular partings of sdy. ls.
 $\frac{1}{2}$ ' Ls. (Non por.) Lt. gy. v.f.g. sli. glauc. limestone.
 Core #40 4309-4319' Rec. 8' 4' Sli. fos. sdy. sh. w/ls. incl. Dk. gy. sdy. mic. cal. sh. w/irregular incl. of lt. gy. sli. glauc. v.f.g. ls.
 1' Sdy. shly. ls. (Non por.) Lt. gy. sli. glauc. w/abun. shell (base lime).
 1' Shly. sd. (Non por.) Dk. gy. v.f.g. shly. mic. sd.
 2' S.s. (Non por.) Lt. gy. poorly sorted sd. grains & sli. shly.

- Core #41 4319-4329' Rec. 5' 1½' Sdy. sh. Dk. gy. sdy. mic. cal. sh. w/irregular incl. of lt. gy. sli. glauc. sdy. ls.
 1' Blk. sh.
 1' Ls. & shell (Non por.) Lt. gy. hd. v.f.g. sli. glauc. ls.
 1' Sh. w/shells. Gy. sdy. sh. w/shell & thin stks. of ls.
 6" Shly. sd. Dk. gy. v.f.g. sdy. sh.
- Core #42 4329-4339' Rec. 1' 6" Dk. gy. fos. sdy. sh.
 6" Lt. gy. (Non por.) fos. mica., silty ss.
- Core #43 4339-4344' Rec. 4' 3' ss. & shell (Non por.) Lt. gy. fos. mic. silty s.s. & shell.
 1' Sh. Bk. sh. w/stks. gy. sdy. sh.
- Core #44 4344-4347' Rec. 3' 3' Sd. (sli. porous) Dk. gy. v.f.g. silty sd. w/slight amount of glauc. & lignite.
Top Sd.
- Core #45 4347-4357' Rec. 8' 2' ss. (sli. por.) Soft gy. f. g. to m. g. sli. silty ss.
 2' ss. (tight) Hd. gy. sli. cal. f. g. to m. g. silty ss.
 3½' ss. (sli. por.) Soft gy. sli. cal. f. g. to m. g. silty ss.
 ½' Congl. ss. Hd. gy. sli. cal. f. g. to m. g. ss. w/blk. rock fragments & qtz. pebbles.
- Core #46 4357-4367' Rec. 7' 3' Sd. (por.) Lt. gr. f. g. silty sd. (Color due to lt. gr. matrix).
 2' ss. (sli. por.) Lt. gr. c. g. to m.g. sli. cal. ss. w/tr. pink qtz. grains.
 2' Sd. (por.) Varicolored very poorly sorted sd. w/tr. pink qtz. (brown-yellow-white) (Sd. grains mostly white)
- Core #47 4367-4377' Rec. 6' Sd. (por.) Varicolored very poorly sorted sd. w/tr. pink qtz. (br. yell. purp. wh. red).
- Core #48 4377-4387' Rec. 4' Sd. (por.) Same as above.
- Core #49 4387-4397' Rec. 8' Sd. (por.) Same as above.
- Core #50 4397-4404' Rec. 3½' Sd. (por.) Same as above.
- Core #51 4404-4414' Rec. 10' Sd. (por.) Same as above.

Core #52	4414-4424'	Rec. 7'	1' Sd. (por.) Varicolored sd. core broken & lt. gr. waxy mtl. in broken area (serpt.) 6' Sd. (por.) Varicolored sd. w/tr. pink qtz. (Red, br., yell., wh., purp.).
Core #53	4424-4434'	Rec. 10'	Sd. (por.) Same as above.
Core #54	4434-4444'	Rec. 6'	Sd. (por.) Same as above.
Core #55	4444-4454'	Rec. 6'	Sd. (por.) Same as above.
Core #56	4454-4463'	Rec. 8'	Sd. (por.) Same as above.
Core #57	4463-4468'	Rec. 1½'	Sd. (por.) Same as above.
Core #58	4468-4478'	Rec. 7'	Sd. (por.) Same as above.
Core #59	4478-4488'	Rec. 9½'	Sd. (por.) Same as above.
Core #60	4488-4495'	Rec. 2'	Sd. (por.) Same as above.
Core #61	4495-4505'	Rec. 4'	3' Sd. (por.) Lt. gy. c. g. to m. g. sd. w/lignite (no varicolors). 1' Sd. (por.) Varicolor sd. & tr. pink qtz. (red, purp., br., yell.)
Core #62	4504-4510'	Rec. 5'	Sd. (por.) Same as above.
Core #63	4510-4520'	Rec. 9'	Sd. (por.) Same as above.
Core #64	4520-4525'	Rec. 2'	Sd. (por.) Same as above.
Core #65	4525-4530'	Rec. 5'	Sd. (por.) Same as above.
Core #66	4530-4540'	Rec. 2'	Sd. (por.) Same as above.

Drilled w/plug.

Core #67	4560-4570'	Rec. 8½'	Sd. (por.) Same as above.
Core #68	4570-4575'	Rec. 5'	Sd. (por.) Same as above.

Top Weathered Igneous Rock 4606'

Core #69	4613-4618'	Rec. 3'	Weathered igneous rock. Dull br. highly jointed, joints are mineralized with lt. gr. waxy min. (may be serpt.)
Core #70	4618-4624'	Rec. 3'	Same as above.
Core #71	4624-4624-3/4'	Rec. 3/4'	Basalt. Dk. gy. v.f.g. basalt w/few thin veins mineralized with lt. gr. waxy min.

- Core #72 4624-3/4-4626' Rec. 6" Basalt. Same as above.
- Core #73 4626-4627' Rec. 0' No recovery.
- Core #74 4627-4629' Rec. 6" Basalt. Same as above.
- Core #75 4629-4630' Rec. 1' Basalt. Dk. gy. v.f.g. basalt w/few thin dia. veins mineralized w/light green waxy mineral.
- Core #76 4630-4631' Rec. 1' Basalt. Dk. gy. v.f.g. basalt w/few thin dia. veins, mineralized with lt. gr. waxy min. & also some red felds. one small incl. ($\frac{1}{4}$ ") of qtz. & red felds. in middle core.
- Core #77 4631-4632' Rec. 1' Basalt. Dk. gy. v.f.g. basalt w/few thin dia. veins min. w/lt. gr. waxy min. Also some red felds.
- Core #78 4632-4633' Rec. 1' Basalt. Dk. gy. v.f.g. basalt w/few thin veins min. w/lt. gr. waxy min. also some red felds.
- Ran Schl. @ 4633'. Schl. T.D. 4618', Drillers T.D. 4633'.
- Core #79 4633-4634' Rec. 6" Basalt. Dk. gy. v.f.g. basalt w/few thin veins min. w/lt. gr. waxy min. also some red felds.
- Core #80 4634-4635' Rec. 10" Basalt. /Dk. gy. v.f.g. basalt w/few thin veins min. w/lt. gr. waxy min. & red felds. $\frac{1}{4}$ " incl. of br. to wh. qtz. w/mica 1" from bottom of core.
- Core #81 4635-4636' Rec. 1' Basalt. Dk. gy. v.f.g. basalt w/min. veins 1/8" thick w/gr. waxy min., wh. qtz. & red felds.
- Core #82 4636-4637' Rec. 1' Basalt porph. Dk. gy. v.f.g. basalt porph. w/thin min. veins w/gr. waxy min., red felds., and wh. qtz.
- Core #83 4637-4638' Rec. 8" Basalt porph. Dk. gy. v.f.g. basalt porph. w/thin min. veins w/gr. waxy min., wh. qtz., red felds.
- Core #84 4638-4639' Rec. 1' Basalt porph. Dk. gy. v.f.g. basalt porph. w/thin min. veins w/gr waxy min.
- Core #85 4639-4640' Rec. 1' Basalt porph. Dk. gy. v.f.g. basalt porph. w/thin min. veins w/gr. waxy min., wh. qtz, red felds.

Core #86 4640-4641' Rec. 1' Basalt porph. Dk. gy. v.f.g. basalt porph.
w/very thin min. veins w/gr. waxy min.
(core broken).

Core #87 4641-4642' Rec. 1' Basalt porph. Dk. gy. v.f.g. basalt porph.
w/very thin min. veins of gr. waxy min. &
red felds. (core broken).

Core #88 4642-4643' Rec. 9" Basalt porph. Dk. gy. v.f.g. basalt
porph. w/very thin min. veins of gr. waxy
min. & red felds. (core broken).

Core #89 4643-4644' Rec. 1' Basalt porph. Dk. gy. v.f.g. basalt
porph. w/thin min. veins w/gr. waxy min.
& red felds.

The total depth of this well was corrected to be 4632' instead of 4644'.
It is believed the mistake in drillers measurement occurred at Core #29
at 4230'.

