Uranium Oil & Gas Co
Ziedrich No 1
NW¼ Sec 16, T 29S, R 8W
Douglas County

Paleo worked by General Petroleum Corp placed the bottom of this well in Eocene marine, Laiming's B-1 to B-4 Zones.

HWD

4-17-56

URANIUM OIL & GAS CO. #1 ZIEDRICH
16 - 29 S - 8 W Douglas Co., Oregon
T.D. 4368 ft. 1453' K.B. 1447' g.
Schlumberger ES 195-3061
Microlog 195 - 2500
T.D. at time of Schl. 3062 ft.
11-3/4" at 202 ft. w/200 sx.

Spl. Descrip. by H. W. DeJong
& N. L. Johnson.

Spls start at 440 ft. No shale shaker.

440-50	Shale, dk. gry.-blk. w/coal strks. & fine sltstn.
50-60	ss., lt. gry. ang. sub. rnded. qtz., feldspar ± dk. minerals w/ sltstn. lt.-dk. gry. free grains.
60-70	Same ss. w/coal streaks. fn.grnd. All free grains.
70-80	Same.
80-90	Same.
90-500	Same, some dk. clrd. rock frags. (sand size).
500-10	Same, pyrite.
10-20	Same ss. fn. grnd.
20-30	Same, pyrite.
30-40	Same, thin coaly strks.
40-50	Same, fn. ss.
50-60	"
60-70	" , mainly c.g., some n.g.
70-80	" " " " " , w/some dk.-gry. sh.

80-90	Pred. gry. silty sh. w/sd. gr. as above.
90-600	Same. Pyrite in sh. Some aggregates v. fri., mostly free gr. as above.
600-10	V. fri. masses of sh. frag. & qtz. ranging from f. to crs. gr. sizes. Overall lt. gry. Spl. poorly washed - drlg. mud bond. Qtz av. 75% of spl.
10-20	As above.
20-30	Siltst. gry. to dk.-gry, v. f. micaceous.
30-40	Free gr. silty sh. as above w/75% wh. gr. qutz. & sl. weathered feldspar.
40-50	As above. Much limonite staining.
40-50	Sh., med. gry. Some limonite along minute frac.
50-60	Free sd., f. - c.g., ang. to sub-ang., 5% qtz. & 95% feldspar.
60-70	Same, mainly feldspar.
70-80	As above, n.g.
80-88	As above, w/med. gry. sh. & e. l. 82.
88-90	V. fr. masses sh. gr. & qtz. & feld. gr. drlg. mud bond. Prob. sh. drld. this interval.
700-10	Mar. sh. v. slightly silty, much limonite.
17-30	Mar. sh. & dk.-gry. sh.
30-40	" " " " " ", pred. dk.-gry. sh.
40-50	Gry. to dk.-gry. sh. w/scattered limonite spots.
50-60	Same.
60-70	Same.
70-80	Same w/50% mar. sh.
80-90	Gry. to mar.-gry. sh., sl. silty.
790-800	"

800-10	Gry. to mar.-gry. sh., sl. silty.
10-20	Same.
20-30	" Pred. dk. gry.
30-40	Pred. gry. to dk.-gry. sh.
40-50	Same.
50-60	"
60-70	Pred. gry. to dk.-gry. sh.
70-80	Same.
80-90	"
90-900	"
900-10	Same, some sltstn. & fine ss. w/oxidized zones.
10-20	Shale, dk. gry.
20-30	Same shale w/fine gry. ss.
30-40	Same as above.
40-50	Same.
50-60	Shale, dk. gry. w/some thin red brn. shale.
60-70	Same.
70-80	Same, w/oxidized zones sltly. slty.
80-90	Same shale w/sltstn. dk. gry.
90-1000	Shale, dk. gry. & gry. sltstn. - lt. gry. ss., ang.-subrnd, prly. srtd. rd. brn.-brn. oxide zones common.
1000-10	Shale, dk. gry. w/sltly. slty. zones.
10-20	Same.
20-30	"
30-40	"
40-50	Same, rare coal frags.
50-60	Shale dk. gry. w/rare red-brn. shale, some sltstn. oxidized.

60-70	Same.
70-80	Same
80-90	Shale, dk. gry., rare slty. frags. lt. gry.
1090-1100	Shale, dk. gry. w/red brn. shale frags.
1100-10	" " " " " " " & fine ss.
10-20	" " " " " " " (1117'-1138' E. log shows sandstone).

20-30	Shale, dk. gry. w/red brn. shale frags.	
30-40	" " " " " " " (loose gns.) common feldsp. & qtz.	
40-50	Shale, dk. gry.	
50-53	" " " w/sltstn.	
50-60	" " " " & rd.-brn. shale frags.	
60-70	" " " " " " " "	
70-90	" " " " " " " "	
90-1200	" " " " " " " "	
1200-10	Shale, dk. gry. & med. grnd. ss., ang.-subang. w/sltstn, micac.	
10-20	" " " " " " " " " (This interval shows up 1187-1208 on elec. log.)	
20-30	Shale dk. gry. w/sltstn., gry.	
30-40	Shale, drk. gry. w/sltstn., gry. & numerous loose med. sand grns., ang.-subrnd. qtz. feldsp. & dk. minerals (E. log - 1215-18')	
40-50	Shale, dk. gry. some fine sand grains.	
50-60	" " " common ss. frags.	1260-95 sd zone on elec. log.
60-70	" " " " " "	
70-80	" " " " " " & sltstn.	
90-1300	" " " " " " " "	
1300-10	" " " sltly. slty. w/fine ss.	

10-20	" " " " " " "
20-30	" " " " w/rare fine ss.
30-40	Shale, dk. gry., common red-brn. frags of shale.
40-50	" " " " " " " " " , sltly. slty.
50-60	" " " " " " " " "
60-70	" " " " " " " " " , carbonaceous strks.

70-80	Shale, dk. gry., common red-brn. frags. of shale w/gry. silt. (top 1367 on e-log)
80-90	Same. Prob. silty phase. Spl. pred. sh.
1390-1420	No record given.
1420-30	Dk.-gry. & rd.-brn. sh. as above.
30-40	Same, some silty.
40-50	"
50-60	" ; rd.-brn. sh. has some gry.-grn. strks.
60-70	"
70-80	" v. dirty spl.
80-90	" " " "
90-1500	" w/silty phase 1453-1507 on e-log.
1500-10	" w/v.f.g. lt.-gry. sl. calc. firm ss. w/much dk. gr.
10-20	"
20-30	Gry.-sh.
30-40	" "
40-50	" " , v.f. silty.
50-60	" " , " "
60-70	" " , " "
70-80	" " , " "
80-90	" " , " "

90-1600	" " , " "
1600-10	" " , " "
10-20	" " , " " w/some rd.-brn. sh. as above.
20-30	" " , " " less " " " " "
30-40	" " , " " minor amt. rd.-brn. sh. as above.
40-50	" " , " " " " " " " " "

50-60	Gry.-sh., v.f. silty w/minor amt. rd.-brn. sh. as above & gry. silt. (e-log top 1643). Better indurated.
1660-70	Pred. gry. silt to v.f.g. ss., appears tight; sl. calc. in strks, w/some shales as above.
70-80	As above.
80-90	" "
90-1700	" "
1700-10	Free gr. sd., sh., limonite gr. - appears to be from surface. Worthless spl.
10-20	Silt. as above & sh. as above.
20-30	" " " " " " "
30-40	" " " " " " "
40-50	As above.
50-60	As above.
60-70	" "
70-80	" "
80-90	" "
90-1800	" "
1800-10	" "

10-20	" "
20-30	Pred. dk.gry silty sh., some gry. silt.
30-40	As above.
40-50	As above, some carb. Some rd.-brn. sh.
50-60	As above, some rd.-brn. to mar. sh. Some peb. rnd. gry. sh.
60-70	Dk.-gry sh., some gry. silt & rd.-brn. sh.
70-80	As above. 1 rnd. elongate sh. peb. 1/2" long.
80-90	As above.

1890-1900	As above, with lt.-gry, silt or v.f.g. ss., sl. calc., fri., apparently made up of qtz., feldsp. & ign. rock frags.
1900-1930	No spls. Sweet gas odor reported 1900-30; ran D.S.T.
30-40	Cong., consisting of rnd. peb. (1/8"-1/2") basalt & dk.-gry. sh.
40-50	Same, some pebs. may be rework. ss. w/shale, dk.-gry. & lt. gry. sltstn.
50-60	Cong., pebs. 1/2" - 3/4" of rework. ss. & sltstn. some basalt pebs. slt. sh. & sltstn. matrix. (Top of cong. 1905' base 1928 from e-log)
60-70	Sltstn. lt. gry. w/fine ss. lt. gry, & sh. dk. gry. & rd. brn. 1970' = top of silt. from e-log.
70-80	Sltstn., gry. grn., some fine ss. & sh. dk. gry. & rd. brn.
80-90	" " " " " " " " " " " " "
90-2000	" " " " " " " " " " " " "
2000-10	" " " " " " " " " " " " "
10-20	Sltstn., gry.-grn. w/dk. gry. sh.
20-30	" " " " " & rd., brn. sh.
30-40	Sh., gry. grn. w/sltstn., lt. gry.
40-50	" " " " " "

50-60	" " " " and numerous loose sand grns.
60-70	", gry. & red "
70-80	Sltstn. dk. gry. & sh. dk. gry. & rd. brn.
80-90	" " " " " " " " " "
90-2100	" " " " " " " " " "
2100-10	Sh. dk. gry. & dk. gry. sltstn.
10-20	" " " " " " "
20-30	" " " w/small amt. sltstn. dk. gry.
30-40	" " " " " " " "

40-50	Sh., dk. gry. & rd. brn.
50-60	" " " w/sltstn., gry. & fine ss., gry.
60-70	" " " " " " loose sand grains.
70-80	" " " & rd. brn. w/sltstn., gry. & loose sand grns.
80-90	" " " " " " " " & rare gry. ss.
90-2200	Sltstn. gry. w/sh., gry. & rare ss. gry.
2210-20	Sh., dk. gry. & rd.-brn. w/slt. amt. sltstn.
20-30	" " " " " " " " " & loose sand grns.
30-40	" " " " " " " " " " " " "
40-50	" " " " " " " " "
50-60	Sltstn. dk. gry. & sh. dk. gry. & rd. brn.
60-70	" " " " " " " " " " w/loose sand grains.
80-90	Sh., dk. gry. & sltstn. gry.
90-2300	" " " " " " w/loose sand grains.
2300-10	" " " " " "
10-20	" " " " rd. brn. w/sltstn, gry.
20-30	"" " " " " " " "
30-40	" " " " " " " " & loose sand grains.

40-50	" " " " " " " " common loose sand grns.
50-60	" " " " " " " "
2360-90	No record given.
90-2400	Ss. fine grnd., ang. - subang. & dk. gry. sh. & sltstn.
2400-10	" " " " " " " " " " "
10-20	Sh. dk. gry, w/ss., gry. ang-subang. fine grnd. & sltstn., gry.
20-30	Ss. fine grnd., ang.-subang. lt. gry. w/sh. gry. & sltstn., gry.
30-40	" " " " " " " " " " " "
40-50	Same.
50-60	Sltstn. dk. gry. with sh., dk. gry. & ss. lt. gry., fn. grnd.
60-70	" " " " " " " " " " " " " "
70-80	Sh., dk. gry. & brn. w/ss. lt. gry. fn. grnd.
80-90	" " " " " w/sltstn. gry.
90-2500	Sltstn., grn. gry. w/sh., dk. gry.
2500-10	Same.
10-20	Same.
20-30	Ss. v.f.g., lt. gry., calc.
30-40	Same.
40-50	" Base this sd 2540 e.-log.
50-60	Sh., dk. gry. Lag back to 2540
60-70	" " "
70-80	" " " sl. silty.
80-90	" " "
90-2600	" " "
2600-10	" " "

10-20	" " "
20-30	" " "
30-40	" " "
50-60	" " "
60-70	" " "
70-80	" " "
80-90	" " "
90-2700	" " "
2700-10	" " "
10-19	
Core #1 2719-29 Rec. 10'	Shale, dk.-gry, v.f. micaceous, dip 8-12°.

30-40	Sh., as above.
40-50	" " " w/silt, sdy, lt.-gry, v. calc.
50-60	Pred. silt as above to v.f.g. ss.
60-70	Sh., dk.-gry., silty.
70-80	Same.
80-90	"
90-2800	"
2800-10	Sh., dk. gry., sl. silty.
10-20	Same.
20-30	"
30-40	Sh., dk. gry.
40-50	Same.
50-60	"
60-70	"

70-80	"
80-90	"
90-2900	" w/strk. lt.-gry. calc. silt.
2900-10	" silty.
10-20	" w/some gry.-grn. sh.
20-30	"
30-40	N.S.
40-50	sh., dk. gry..
50-60	"
60-70	" silty.
70-80	" " w/lt. gry. v. calc. siltst. strks.
80-90	Sh., dk.-gry., silty w/siltst. strks.
90-95	Same.

90-3000	Sh., dk. gry., silty w/siltst. strks.
3000-10	Same.
10-20	" , pred. sh.
20-30	Sh., dk. gry.
30-40	" " " Trace mar. sh.
40-50	" " "
50-60	N.S.
60-70	N.S.
70-80	N.S.
80-90	Sh., dk. gry. rd.-brn., mar. & some siltst., firm, lt.-gry.
90-3100	Same.
3100-10	Sh., dk. gry. & rd. brn. Some sltstn. lt. gry.
10-20	" " " " " " " " " "
20-30	" " " " " " " " " "

30-40 " " " " " " " " " "

40-50 N.S.

50-60 Sh., dk. gry & rd. brn. w/some sltstn., gry.

60-70 " " " " " " " " "

70-80 " " " " " " " " "

80-90 " " " " " " " " "

90-3200 " " " " " " " " "

3200-10 Same.

10-20 "

20-30 "

30-40 "

40-50 "

50-60 "

60-70 "

70-72 Shale, dk. gry. & rd. brn. w/some sltstn. gry.

Core #2 - 327'-84' Rec. 14'. Dips 10-15°.

2' shale, dk. gry. - 2" sltstn. gry. ang.-subang. qnts., feldsp. & dk. minerals - 11'-10" sh., dk. gry.

3270-80 Sh., dk. gry & rd. brn. w/some sltstn. gray.

90-3300 Same as above.

3300-10 "

10-20 "

20-30 "

30-40 "

40-50 "

50-60 "

60-70 "

80-90	Sh., dk. gry. & rd. brn. w/some sltstn., gry. & grn.
80-90	Circulated sample - same as above.
90-3400	Same as above.
3400-10	"
10-20	"
20-30	
30-40	Predom. sltstn. as above w/some sh.
40-50	As above.
50-60	" "
60-70	" "
70-80	" "
80-90	" "
90-3500	" "
3500-10	" "

10-20	Predom. sltstn. as above w/some sh.
20-30	As above.
30-40	N.S.
40-50	As above.
50-60	" "
60-63	" "
63-70	" "
70-80	" "
80-90	" " (grn. slty. frags. appear to be tuffaceous)
90-3600	As above.
3600-10	" "

10-18 " "

Core #3 - 3618'-3635' Rec. 17' Dips 10°.

2' slty. sh., dk. gry. - 2' sltstn. gry.-lt. gry., ang.-subang. prly. sorted grains - 1' slty. sh. as before. 2' siltstn. as before. 1' sh. as before. 1' silt as before. 3' sh. as before. 2' sltstn. as before w/calc. vein. 1' sh. as before - 6" siltstn. grades to med. ss. 1' sh. - 6" silt.

3640-50 Sltstn. gray, silty sh., dk. gry. & sh. gry.-dk.gry.

50-60 As above.

60-70 " "

70-80 " "

80-90 " "

90-3700 " " w/loose sand grains (sample bottles with cuttings have pale yellow fluorescence, attempt to get cut with CCl4 from cuttings indicates fluorescence, pale yellow, in siltstone)

3711-20 Sltstn., gry. - sh., dk. gry. w/fine grnd. ss. prly. srtd. ang.-subrnded. qts. feldsp. & dk. minerals, calc. matrix.

20-30 As above.

30-40 " "

40-50 " "

50-60 " "

60-70	" "
70-80	" "
80-90	" "
90-3800	" "
3800-10	" "
10-20	" "
20-30	" "
30-40	" "
40-50	" "
50-60	" "
60-70	" "
70-80	" "
80-90	" "
90-3900	" "
3900-10	Sltstn., gry.-lt. gry., sh., gry.-rd.brn., ss., lt. gry. (as above)
10-20	As before.
20-30	" "
30-40	" "
40-50	" "
50-60	" "
60-70	" "
70-80	As before
80-90	" "
90-4000	" "
4000-10	" "
10-20	" " Pred. gry sh. & silty sh.

20-30	Gry. sh., & ss. f.g.-m.g., sub.-ang. to ang. calc. fri. lt. gry., Consists of qtz. feldspar, & basic igneous rock frags. Good porosity. CCl_4 cut gives bright canary yel. fluor.
30-40	Same, decrease in ss.
40-50	Sh. dk.-gry., some silty, grading to siltst. CCl_4 cut gives bright yel. fluor.
50-60	Same, w/some grn.-gry. siltst., w/some red-brn. sh.
60-70	Sh., dk.-gry., some silty, & rd.-brn. & grn. sh., w/strks. lt. gry. sltst. to v.f.g. ss.
70-80	Same.
80-90	"
90-4100	"
4100-10	", w/increase in sltst.
10-20	" w/much v. calc., f.g. lt.-gry fri. ss.
20-30	" w/much gry. tight sltst.

Core #4 - 4132-47 Rec. 15 ft.

1' dk.-gry. sltst.

6" dk.-gry. sh.

1'6" dk-gry. sltst.

1' dk.-gry. sh.

6" sltst., dk.-gry.

1' dk.-gry. sh.

Core #4 (Cont.)

6" dk.-gry. sltst.

1' dk.-gry. sh.

6" " " sltst.

6" " " sh.

1' " " sltst.

6" " " sh.

6" " " sltst.

6" " " sh.

4' 6" dk.-gry. sltst. w/1-2 in. sh. strks.

Siltst. has abund. leaf impressions. Sltst. also has v.f. disseminated mica (phlogopyte) & is sl. calc. Dips vary 12 to 18 degrees.

4140-50 Sltst. to v.f.g. ss., dk.-gry. fairly coherent, sl. calc. & dk. gry. sh. & silty sh.

50-60 Same.

60-70 "

70-80 " w/somef.m.g. ss., lt.-gry. poorly sorted, qts. feldspar & basic ign. rock debris.

80-90 Sh., dk.-gry., some silty w/85% ss. as above.

4210-20 " " " " " w/sltst., as above.

20-30 Same as 4210-20.

30-40 Sh., dk. gry., some silty & sltst. to v.f.g. ss. as above.

40-50 Same.

50-60 "

60-70 "

70-80 "

80-90 "

90-4300	Same.		
4300-10	"		
10-20	"	Less sltst. & v.f.g. ss.	
20-30	"	" "	
30-40	"		
40-50	"	" "	with small amt. rd.-brn silty sh.
50-60	"	w/much limonite stains & spots.	
60-68	"		

T.D. 4368 ft.

CCl$_4$ Cuts

3537'	Bright yel. fluor. in CCl$_4$.	
3760-70	" " " " "	
3460	" " " " "	
3146	Pale yel. " " "	
3230-36	" " " " "	
1860-70	Same.	
2980-90	"	from tar flake
3070-80	"	
1580-90	"	
3110-20	"	
2200-10	"	

General Pet. lab. report says in Eocene to T.D.

Fossils noted

4050'	foram.
3971	"
3144	"