1981-04

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FORM NO. 327

STATE OF IDAHO
INSPECTION REPORT

Date 4-14-82 Time _____ Inspected By WRP

Operator Champlin Petroleum Co.

Field Wildcat County Canyon Farm _____

Well No. Deer Flats No 11-19 Loc. NW NW Sec. 19 T. 2N. R. 2W

And Measures ____ Ft. F. (N) (S) L. and ____ Ft. F. (E) (W) L. of _____ ¼ of Sec.

Gd. Elev. 2595 KB _____ Drilling Contractor _____

Surf. Csg.: Size _____ Amount _____ Total Depth _____ PB Depth _____

Prod. Formation _____ From _____ To _____

DRY HOLE DATA

Regulation Marker Erected Below surface Pits Filled _____ Cellar Filled _____

Recommended Bond Release: (YES) NO Condition of Drlg. Loc. _____

REMARKS

NID	Received ✓	VERBAL APP. Given	✓
FROM LOG	Received ✓	NIA	Received _____
ELEC. LOG	Received ✓	SRA	Received _____

4-14-82 Drilling location being drilled in grain. No residual evidence of drilling - Bond be released WRP

81-004

Upper Deer Flat Prospect: (EXP)
Deer Flat 11-19 (CPC 100%)
(NW NW 19-2N-2W)(AFE# 71891)

GL 2595'
KB 2671'

2-12-81 (33)
20"cond@200'
13-3/8"@2348'

3-17-81
Drlg 8-3/4" hole from 6837-7050'. (213'). Sucker Creek. MW 9.1, Vis 43, WL 10.4, pH 10.9, CL 1000 ppm, PV 15, YP 6, Gel 1/3, solids 5%. BGG: 5-10u. Opr for last 24 hrs: TIH, no tight spots, no fill. Drlg. PO: Drlg. PB# 8, HTC, 8-3/4 J-33, FN 995. In hole @ 6642', has made 408' in 44 hrs. (9.3'/hr). Jets 14-14-14. Bit wt 18-22M#, RPM 75, Pump press 1400 psi, SPM 64. Hours: Drlg 22, Trips 2.

Upper Deer Flat Prospect: (EXP)
Deer Flat 11-19 (CPC 100%)
(NW NW 19-2N-2W)(AFE# 71891)
GL 2595'
KB 2671'

2-12-81 (32)
20"cond@200'
13-3/8"@2348'

3-14-81 to 3-16-81

3-14 Drlg 8-3/4" hole from 6642-6759' (117'). Sucker Creek. MW 9.1, Vis 40, WL 12, pH 10.9, CL 1000 ppm, PV 14, Y 7, Gel 1/3, Solids 5%, BGG: 3-7u. Opr for last 24 hrs: TOH. Found 3rd DC below jars, cracked 1/2 to 3/4 around btm of box. LD cracked DC. TIH. Ream 30' to btm, 5' fill up. Drlg. PO: Cir up sample. DB# 7, Smith, 8-3/4 F-3, BK 5331. In hole @ 6139'. Out @ 6642' Made 503' in 41-1/2 hrs. (12.1'/hr). (2-2-I). PB# 8, HTC, 8-3/4 J-33, FN 955. In hole @ 6642'. Has made 117' i 15-1/2 hrs. (7.6'/hr). Jets 14-14-14. Bit wt 15-20M#, RPM 75, Pump pres 145 psi, SPM 64. Hours: Drlg 15-1/2, Trip 7, Washing & reaming 1/2, LD DC 1.

3-15 Drlg 8-3/4" hole from 6759-6837'. (78'). Sucker Creek. MW 9.2, Vis 47, WL 12.2, pH 11, CL 1000, PV 17, YP 8, Gel 2/5, solids 5-1/2%, BGG: 1-3u. Dev: 3° @ 6837'. Opr for last 245 hrs: Circ sample. Drlg. Circ sample @ 6785'. TOH. Repair rotary table. Tested BOPs. Cut drlg line. Magnafluxing DC's. PB# 8, HTC, 8-3/4 J-33, FN 995. In hole @ 6642'. Has made 195' in 22 hrs. (8.9'/hr). Jets 14-14-14. Bit wt 15-20M#, RPM 75-40, Pump pres 1450 psi. SPM 64. Hours: Drlg 6-1/2, Trips 3-3/4, Circ 5-3/4, Cut drlg line 1, Tst BOPs 2, Magnaflux 2, Repairs 3.

3-16 PTD 6837'.(0'). Sucker Creek. MW 9.2, Vis 47, WL 12.4, pH 10.9, CL 1000 ppm, PV 16, YP 8, Gel 2/5, Solids 5%. Opr for last 24 hrs: Inspect DC #6, bad threads; #14, bad threads; #15, bad box. Repair rotary table. TIH. PO: TIH. PB# 8rr, HTC, 8-3/4 J-33, FN 995. In hole @ 6642'. Has made 195' in 22 hrs. (8.9'/hr). Jets 14-14-14. Hours: Trips 1/2, Repairs 20, Magnaflux 3-1/2.

Upper Deer Flat Prospect: (EXP)
Deer Flat 11-19 (CPC 100%)
(NW NW 19-2N-2W)(AFE# 71891)

GL	2595'
KB	2671'

2-12-81 (29)
20"cond@200'
13-3/8"@2348'

3-13-81

Drlg 8-3/4" hole from 6465-6642'. (177'). Sucker Creek. MW 9.3, Vis 47, WL 10.2, pH 10.2, CL 1000 ppm, PV 21, YP 12, Gel 1/3, Solids 6.5%. BGG: 3-10u. Dev: 3-1/4° @ 6505'; 3-1/2° @ 6598'. Opr for last 24 hrs: Drlg, survey, drlg, losing pmp press (400 psig drop). PO: TOH looking for hole in drill string. PB# 7, Smith, 8-3/4 F-3, BK 5331. In hole @ 6139', has made 503' in 41-1/2 hrs. (12.1'/hr). Jets 14-14-14. Bit wt 15, RPM 75, Pump press 1450 psi, SPM 64. Hours: Drlg 22, Surveys 2.

	GROSS	NET
Committed:	1,240,000	1,240,000
To Date:	780,000	780,000
Est. Final:	1,240,000	1,240,000

Upper Deer Flat Prospect: (EXP)
Deer Flat 11-19 (CPC 100%)
(NW NW 19-2N-2W)(AFE# 71891)
GL 2595'
KB 2671'

2-12-81 (26)
20"cond@200'
13-3/8"@2348'

3-10-81
PTD 6139'. MW 9.3, vis 50, WL 9.2, pH 9.5, CL 600, Solids 6%. PV 22, YP 14, Gel 1/3. Opr for last 24 hrs: Circ & cond. 32 std short trip. 20,000# drag 4 std off btm. TI 3' fill, circ & cond. TOOH. No drag. PU Halliburton tst tool for DST #1, Sucker Creek (6060-6139'). TIH w/tst tool. PO: TIH @ 4000'. DB# 6, HTC, 8-3/4 J-33, In hole @ 5295'. Out @ 6139'. Made 844' in 56-3/4 hrs. (14.8'/hr). (3-3-I). Trips 4-1/2 hrs., Circ 13-1/4 hrs., PU tools 3 hrs., Short trip 3-1/4 hrs.

DST

Upper Deer Flat Prospect: (EXP)
Deer Flat 11-19 (CPC 100%)
(NW NW 19-2N-2W)(AFE# 71891)
GL 2595'
KB 2671'

2-12-81 (27)
20"cond@200'
13-3/8"@2348'

3-11-81
Drlg 8-3/4" hole from 6139-6233'. (94'). Sucker Creek. Sd, white to clear, firm, poor to fair perm, no shows. MW 9.2, Vis 45, WL 10, pH 10, CL 800, solids 4-1/2%. PV 20, YP 17, Gel 4/7. Dev: 3° @ 6130'. Opr for last 24 hrs: Finish DST#1. TOOH w/tst. LD tst tools. TIH. No tite spots. Wash 90' to btm, 8' fill. Drlg. Survey, Drlg. PO: drlg. PB# 7, Smith, 8-3/4 F-3, BK 5331. In hole @ 6139', has made 94' in 5-3/4 hrs. (16.3'/hr). 3-14 jets. Bit wt 25, RPM 75, Pump pres 1300 psi, SPM 64. Drlg 5-3/4 hrs., Trips 9-1/2 hrs., Surveys 3/4 hrs., Reaming 1/2 hrs., LD tools 2-1/2 hrs.

Upper Deer Flat Prospect: (EXP)
Deer Flat 11-19 (CPC 100%)
(NW NW 19-2N-2W)(AFE# 71891)
GL 2595'
KB 2671'

2-12-81 (28)
20"cond@200'
13-3/8"@2348'

3-12-81
Drlg 8-3/4" hole from 6233-6465'. (232'). Sucker Creek. MW 9.2+, Vis 50, WL 9.4, FC 2/32, pH 9.2, CL 1000 ppm, PV 16, YP 7, Gel 1/2, solids 5-3/4%, BGG: 10-25 units. Dev: 3-3/4° @ 6255'; 2-1/2° @ 6350'; 3° @ 6379'; 3-1/2° @ 6410'. Opr for last 24 hrs: Drlg. Circ sample @ 6260'. Drlg, survey, circ sample @ 6330'. Drlg, circ samples @ 6383'. Drlg, survey, stuck @ 6410'; worked free, drlg. PO: drlg. PB# 7, Smith, 8-3/4 F-3, BK 5331. In hole @ 6139', has made 326' in 19-1/2 hrs. (16.6'/hr). Jets 14-14-14. Bit wt 10-20, RPM 75, Pump pres 1450 psi, SPM 64. Hours: Drlg 13-3/4; Circ 5-3/4; surveys 2-3/4; Work stuck pipe 1-3/4.

Upper Deer Flat Prospect: (EXP)
Deer Flat 11-19 (CPC 100%)
(NW NW 19-2N-2W)(AFE# 71891)
GL 2595'
KB 2671'

2-12-81 (25)
20"cond@200'
13-3/8"@2348'

3-7-81 to 3-9-81

3-7 Drlg 8-3/4" hole from 5295-5703'. (408'). Columbia Rice Bossalt. Volcanic rock highly altered, abd zeolite, 50' shale, grey brn, form, slightly calc, 145' of tuft or ash, wht to clear, firm. 100 units Cl. Mw 8.8, Vis 42, WL 10.5, pH 9.9, CL 600, solids 3-1/2%. Dev: 1-3/4° @ 5348', 1-1/4° @ 5442', 1-3/4° @ 5556', BGG: 10-20u. Opr for last 24 hrs: Finish TIH. Ream 30' to btm. Drlg, survey, drlg, survey, PO: Drlg. Hole is tight on last trip. PB #6, HTC, 8-3/4 J-33, In hole @ 5295', has made 408' in 21 hrs. (19.4'/hr). Bit wt 20-25, RPM 75, Pump pres 1650 psi, SPM 60. Drlg 21 hrs., Trips 3/4 hr., Surveys 2 hrs., Reaming 1/4 hr.

3-8 Drlg 8-3/4" hole from 5703-5953'. (250'). Sucker Creek. Shale grey brn, firm, slightly calc. Volcanic basalt, highly altered, ash. Tuft lt firm, no floresence, poor K. Beginning to desperse mud. MW 9.0, Vis 46, WL 11, pH 10.5, CL 600. Solids 3-1/2%, Dev· 2° @ 5690', 3° @ 5818', 2-3/4° @ 5880'. BGG: 10-20u. Opr for last 24 hrs: Drlg, survey, rig service, drlg, survey, drlg, survey, PO: drlg. PB# 6, HTC, 8-3/4 J-33, In hole @ 5295', has made 658' in 43 hrs. (15.3'/hr). Bit wt 20, RPM 75, Pump pres 1650 psi, SPM 60. Drlg 22 hrs., Surveys 1-1/2 hrs., Rig serv 1/2 hr.

3-9 Drlg 8-3/4" hole from 5953-6139'. (186'). Sucker Creek. Shale, lt brn to grey brn, firm, black, high % volcanic ash. Tuff, brown to grey, abundant crushed basalts. Sd (6058-6139), wht to clear, firm, friable, Cr grain. poorly sorted, poor to fair drlg. Some flour & cmt (110 units gas in sd stone. MW 9.1, Vis 48, WL 9, pH 9.5, CL 600. Solids 6.8%, PV 15, YP 14. Dev: 2-1/4° @ 5975'. BGG: 20u. Opr for last 24 hrs: Drlg, survey, drlg, circ samples 6063', drlg, circ for DST. 35 std short trip, tite @ 3936. 5000# drag. 40' fill up. PO: circ. PB# 6, HTC, 8-3/4 J-33, In hole @ 5295', has made 844' in 56-3/4 hrs. (14.8'/hr). Bit wt 35, RPM 75, Pump press 1650 psi, SPM 60. Drlg 13-3/4 hrs., Trips 4-1/4 hrs., Circ 5-1/4 hrs. Surveys 3/4 hrs.

Upper Deer Flat Prospect: (EXP)
Deer Flat 11-19 (CPC 100%)
(NW NW 19-2N-2W)(AFE# 71891)

GL 2595'
KB 2671'

2-12-81 (22)
20"cond@200'
13-3/8"@2348'

3-6-81

Drlg 8-3/4" hole from 5205-5295'. (90'). MW 8.8, Vis 43, WL 11, pH 10.5, CL 800, Solids 3-1/2%. Dev: 2°@ 5224'; 2° @ 5295'. Opr for last 24 hrs: BGG: 10-15u. Drlg, survey, drlg, repairs, replace packing in swivel. TOH, tite 18 stds out 3686-3592'. Finish TOH. SLM no correction. TIH to csg drlg line. Change out swivel. TIH. drag @ 3227'. Ream 3624-32'. PO: TIH. DB# 5, Hughes, 8-3/4 J-33. In hole @ 4812'. Out @ 5295', Made 483' in 72-3/4 hrs. (6.6'/hr). Dull Gr 4-2-I. PB# 6, Hughes, 8-3/4 J-33, In hole @ 5295'. Bit wt 20M#, RPM 75, Pump press 1650 psi, SPM 61. Drlg 6 hrs., Trips 8-1/4 hrs., Cut drlg line 2-3/4 hrs., Surveys 1 hr., Repairs 5-1/2 hrs., reaming 1/2 hr.

	GROSS	NET
Committed:	1,240,000	1,240,000
To Date:	888,000	888,000
Est. Final:	1,240,000	1,240,000

pper Deer Flat Prospect: (EXP)
Deer Flat 11-19 (CPC 100%)
(NW NW 19-2N-2W)(AFE# 71891)
iL 2595'
B 2671'

2-12-81 (15)
20"cond@200'

2-27-81
Drlg 8-3/4" hole from 4121-4516'. (395'). Mw 8.7, Vis 44, WL 10.2, pH 10.4, CL 800, Solids 2-3/4%. Dev: 1° @ 4189', 2-3/4° @ 4313', 2-3/4° @ 4340', 3° @ 4437', 3° @ 4469'. Opr for last 24 hrs: BGG: 15-45 units, Max con 660 (all C1). Drlg, survey, lost 80 bbls mud @ 4506', hole tite @ 4506, pulled 100# over string wt. Pulled free above 4470'. Mud up & circ, cond hole. PO: Drlg. PB# 4, HTC, 8-3/4 J-33, In hole @ 2887', has made 1629' in 38 hrs. (42.6'/hr). Bit wt 10-15M#, RPM 65, Pump pres 1600 psi, SPM 64. Drlg 13-1/2 hrs., Circ 5 hrs., Surveys 3-1/2 hrs, Work tite hole 2 hrs.

	GROSS	NET
Committed:	1,240,000	1,240,000
To Date:	795,000	795,000
Est. Final:	1,240,000	1,240,000

per Deer Flat Prospect: (EXP)
Deer Flat 11-19 (CPC 100%)
(NW NW 19-2N-2W)(AFE# 71891)
2595'
2671'

2-12-81 (18)
20"cond@200'
13-3/8"@2348'

2-28-81 to 3-2-81
2-28 Drlg 8-3/4" hole from 4516-4635'. (119'). MW 8.7, Vis 44, WL 10.2, pH 10.3, CL 800, Solids 2%. Dev: 2-1/2° @ 4510'; 2-3/4° @ 4532'; 2-3/4° @ 4562'; 2-3/4° @ 4602'. Opr for last 24 hrs: BGG: 9-10 units, CG: 30 units. Drlg, survey. PO: Drlg. PB# 4, HTC, 8-3/4 J-33, 11-11-11, In hole @ 2887', has made 1448' in 59-3/4hrs. (29.3'/hr). Bit wt 10-12M#, RPM 65, Pump press 1600 spi, SPM 64. Drlg 21-3/4 hrs., Surveys 2-1/4 hrs.
3-1 Drlg 8-3/4" hole from 4635-4789'. (154'). MW 8.8, Vis 47, WL 8.8, pH 10.3, CL 800, Solids 3-3/4%. Dev: 2-1/2° @ 4640; 2° @ 4697'; 2-1/2° @ 4668'; 2-3/4° @ 4728'; 2° @ 4760'. Opr for last 24 hrs: BGG: 10 units, CP: 28 units. Drlg, survey. PO: Drlg. PB# 4, HTC, 8-3/4 J-33, 11-11-11, In hole @ 2887', has made 1902' in 82 hrs. (23.2'/hr). Bit wt 10-20M#, RPM 65-70, Pump press 1600 psi, SPM 60. Drlg 21-1/2 hrs., Surveys 2-1/2 hrs.
3-2 Dlrg 8-3/4" hole from 4789-4834'. (45'). MW 8.9, Vis 41, WL 9, pH 10.5, CL 1000, Solids 4-1/4%. Dev: 2-3/4° @ 4811'. Opr for last 24 hrs: BGG: 10 units, Max trip 590 (all C1). Drlg, survey, Circ, TOH for bit. SLM 4812, TIH, ream 4470-4560 (tite), TIH, ream 4752-4812'. Drlg. PO: Drlg. DB# 4, HTC, 8-3/4 J-33, 11-11-11, In hole @ 2887'. Out @ 4812'. Made 1925' in 86-1/2 hrs (22.3'/hr). Dull Gr 4-4-01/8. PB# 5, HTC, 8-3/4 J-33, 11-11-11. In hole @ 4812', has made 23' in 8-1/2 hrs. (2.7'/hr). Bit wt 10-15 M#, RPM 70, Pump pres 1600 psi,

SPM 64. Drlg 11-3/4 hrs., Trips 8-1/2 hrs., Circ 1 hr., Surveys 3/4 hr., reaming 2 hrs.

IDAHO
CANYON COUNTY
OPERATED

Upper Deer Flat Prospect: (EXP) Deer Flat 11-19 (CPC 100%) (NW NW 19-2N-2W)(AFE# 71891) GL 2595' KB 2671'	2-12-81 (11) 20"cond@200'	2-21-81 to 2-23-81 2-21 Drlg 17-1/2" hole from 2333-2349'. (16'). MW 9.1, Vis 50, WL 9.6, pH 10, CL 1000, Solids 5-1/4%. Opr for last 24 hrs: Drlg. Circ, ST 12 stds, Circ, TIH, ran csg as follows: FS 1 jt., FC 28 jts 68# 13-3/8", 29 jts of 61# 13-3/8" K-55. 2352' total. Set @ 2348'. FC @ 2313'. cmt w/2300 sx 50/50 poz 500 sx 'G' w/additives. Disp w/354 BW. BP w/1400#, held OK. PD @ 4:30 am 2-21-81. DB# 2, Hughes, 17-1/2 OWV. In hole @ 2332'. Out @ 2349', made 17' in 2-1/2 hrs. (6.8'/hr). Dull Gr 2-2-I. Bit wt 20M#, RPM 65, Pump Pres 700 psi, SPM #1-65, #2-60. Drlg 1-1/2 hrs., Trips 3 hrs., Circ 7 hrs., Surveys 1/2 hr., WOCmt 2-1/2 hrs., Ran csg 6-1/2 hrs., cmt 3 hrs. 2-22 Drlg 17-1/2" hole from 2349-. (0'). Opr for last 24 hrs: WOC, cut of csg. PO: cut off csg. WOC 22-1/2 hrs., Cut off csg 1-1/2 hrs. 2-23 Drlg 17-1/2" hole from 2349'-(0'). Opr for last 24 hrs: finish cut off csg. Weld on Oct 2000# csg head. NU 12" 3000# dbl, hrdril & rotating head. Cmt top dropped 50'. PO: tstg head. Cut off & weld head 2 hrs., NU BOP's 21 hrs., Tst BOP's 1 hr.
Upper Deer Flat Prospect: (EXP) Deer Flat 11-19 (CPC 100%) (NW NW 19-2N-2W)(AFE# 71891) GL 2595' KB 2671'	2-12-81 (12) 20"cond@200'	2-24-81 Drlg 12-1/4" hole from 2349-2761'. (412'). MW wtr. Opr for last 24 hrs: Tst BOP's, TIH. Cmt outside 13-3/8" csg. Finish TIH, delg. Tst BOP's & manifold 1500#. Tst csg 1500#. Cmt top of 13-3/8" w/3 yds read mix. PB# 3, Hughes, 12-1/4 OSCIG, In hole @ 2349', has made 412' in 9-3/4 hr. (42'/hr). Bit wt 3-M#, RPM 70, Pump pres 750 psi, SPM #1-65, #2-60. Drlg 9-3/4 hrs., Trips 2-1/4 hrs., Tst BOP's 8-1/2 hrs., Cmt 2 hrs., Tst csg 1/2 hr.
Upper Deer Flat Prospect: (EXP) Deer Flat 11-19 (CPC 100%) (NW NW 19-2N-2W)(AFE# 71891) GL 2595' KB 2671'	2-12-81 (13) 20"cond@200'	2-25-81 Drlg 12-1/4" hole from 2761-2887'. (126'). & 8-3/4" hole from 2887-3101' (214'). Bradbury Grassy Mtn Salts. MW wtr, Vis 27, Dev: 3/4° @ 2887'. Opr for last 24 hrs: BGG: 0 units, Drld 12-1/4 hole, TOH, LD 8" DC's. PU 7" DC. TIH, drld 8-3/4" hole. PO: drlg. DB# 3, Hughes, 12-1/4 OSCIG, In hole @ 2349'. Out @ 2887'. Made 538' in 17-3/4 hrs., (30.3'/hr). Dull Gr 6-8-01/8. PB# 4, Hughes, 8-3/4 J-33, In hole @ 2887', has made 214' in 4-1/2 hrs.(47.6'/hr). Bit wt 20-30M#, RPM 60, Pump pres 1600 spi, SPM 64. Drlg 12-1/2 hrs., Trips 3-1/4 hrs., Circ 1/2 hr., LD 12-1/4" bit, shock bub 8" DC, PU 8-3/4" bit 16-7" DC's 7-1/2 hrs.

Upper Deer Flat Prospect: (EXP) Deer Flat 11-19 (CPC 100%) (NW NW 19-2N-2W)(AFE# 71891) GL 2595' KB 2671'	2-12-81 (6) 20"cond@200'	2-18-81 Drlg 17-1/2" hole from 2080-2286'. (206'). Mw 8.9, Vis 31, WL 18, pH 10, CL 1000, Solids 4%. Dev: 1/2° @ 2057', 1/2° @ 2024'. BG: 4-5 units, CG: 5-6 units, Max trip 10-12 units. Drlg, Survey, PO: drlg. PB# 1, HTC, 17-1/2 X3A, In hole @ 222', has made 2064' in 94-1/2 hrs. (22'/hr). Bit wt 20M#, RPM 65, Pump pres 750 psi, SPM 65/60. Drlg 23 hrs., Surveys 1 hr.
Upper Deer Flat Prospect: (EXP) Deer Flat 11-19 (CPC 100%) (NW NW 19-2N-2W)(AFE# 71891) GL 2595' KB 2671'	2-12-81 (7) 20"cond@200'	2-19-81 Drlg 17-1/2" hole from 2286-2332'. (46'). MW 9, Vis 38, WL 10, pH 10, CL 1000, Solids 5%. Drlg, S-trip 12 stds. Circ & cond. TOH for logs. SLM, 8' correction, Log. Ran DIL to 1460', could not get below 1460'. TOH. TIH, Work tight spot 1430-1490'. Finish TIH, circ, S-trip 12 stds, no drag. PO: circ. DB# 1, Htc, 17-1/2 X3A, In hole @ 222', out @ 2332'. MAde 2110' in 100 hrs. (21.1'/hr). Dull Gr 8-6-01/8. PB# 2, HTC, 17-1/2 OWV, In hole @ 2332'. Bit wt 20M#, RPM 65, Pump pres 750 psi, SPM 65/60. Drlg 5-1/2 hrs., Trips 9-1/2 hrs., Circ 4 hrs., Logging 5 hrs.
Upper Deer Flat Prospect: (EXP) Deer Flat 11-19 (CPC 100%) (NW NW 19-2N-2W)(AFE# 71891) GL 2595' KB 2671'	2-12-81 (8) 20"cond@200'	2-20-81 Drlg 17-1/2" hole from 2332-2333'. (1'). MW 9, Vis 48, WL 9.5, pH 10, CL 1000, Solids 5-1/4%. Trip Log, Run DIL, Sonic, FDC-CNL, & Temp logs from 2332-222'. Trip, Drlg, PO: drlg. PB# 2, HTC, 17-1/2 OWV, In hole @ 2332', has made 1' in 1 hr. (1'/hr). bit wt 20M#, RPM 65, Pump pres 700 psi, SPM 65/60. Drlg 1 hr., Trips 4-3/4 hrs., Circ 1-1/2 hrs., Logging 16-3/4 hrs. GROSS / NET Committed: 1,240,000 / 1,240,000 To Date: 336,000 / 336,000 Est. Final: 1,240,000 / 1,240,000

FIRST REPORT

Upper Deer Flat Prospect: (EXP)
Deer Flat 11-19 (CPC 100%)
(NW NW 19-2N-2W)(AFE# 71891)

GL 2595'
KB 2671'

2-12-81 (1)
20"cond@200'

2-13-81
Location: NW NW(892' FWL, 550' FNL) 19-2N-2W. Canyon County, Idaho. Operator: CPC 100% WI, AFE# 71891. Spudded 2-12-81 @ 9:30pm. Drlg 17-1/2" hole from 222-229' (7'). Shale. MW wtr, Vis 33, pH 10.2, CL 1400, Solids 1-1/4%. Dev: 1/2° @ 229'. Opr for last 24 hrs: 9000 Sucker Creek test. Brinkerhoff Sig #26. Mud contr Magcobar. Loc comp 2-9-81. 20" cond set @ 200' GL cmt w/550 sx 2-9-81. GL 2595', KB 2617'. Tag cmt @ 138'. Drld cmt, drld survey. PO: Survey, spud 9:30pm 2-12-81. PB #1, Hughes, 17-1/2 X3A, In hole @ 222', has made 7' in 1/2 hr. (14'/hr). Bit Wt 5M#, RPM 60, Pump pres 300 psi, SPM #1-70, #2-60. Drlg 1/2 hr., Surveys 1/2 hr., Drld cmt 8 hrs.

Upper Deer Flat Prospect: (EXP)
Deer Flat 11-19 (CPC 100%)
(NW NW 19-2N-2W)(AFE# 71891)

GL 2595'
KB 2671'

2-12-81 (4)
20"cond@200'

2-14-81 to 2-16-81
2-14 Drlg 17-1/2" hole from 229-894'. (665'). Gleusferry Sh. MW 8.6, Vis 30, pH 10, CL 1400, Solids 1-1/2%. Dev: 1/2° @ 229', 1/2° @ 251', 1/2° @ 289', 1/2° @ 321', 1/2° @ 351', 1/2° @ 412', 0° @ 473', 1/4° @ 534', 1/4° @ 594', 1/2° @ 687', 0° @ 782', 0° @ 875'. Drlg, survey, PO, drlg. PB#1, HTC, 17-1/2 X3A, In hole @ 222'. Has made 672' in 18 hrs (37.3'/hr). Bit wt 8-10M#, RPM 64, Pump pres 450 psi, SPM 68/60. Drlg 17-1/2 hrs., Surveys 6-1/2 hrs.
2-15 Drlg 17-1/2" hole from 894-1543' (649'). Gleusferry. MW 8.6, Vis 30, pH 10.5, CL 800, Solids 2%, LCM#/Bbl 0. Dev: Od @ 1061', 0° @ 1155', 1/4° @ 1250', 1/4° @ 1342', 1/4° @ 1437', 1/4° @ 1529'. Drlg, survey every 90', PO, drlg. PB# 1, HTC, 17-1/2 X3A, In hole @ 222', has made 1321' in 38-1/2 hrs. (34.3'/hr). Bit wt 5-10M#, RPM 64, Pump Pres 450 psi, SPM 65/58. Drlg 20-1/2 hrs., Surveys 3-1/2 hrs.
2-16 Dlrg 17-1/2" hole from 1543-1967' (424'). MW 8.7, Vis 31, pH 10.2, CL 1100, Solids 2.3%. Dev: 0° @1592', 1/4° @ 1719', 3/4° @ 1813', 3/4° @ 1908', 0° @ 1930'. Drlg, survey, PO, drlg. PB# 1, HTC, 17-1/2 X3A, In hole @ 222', has make 1745' in 60-1/2 hrs. (28.8'/hr). Bit wt 5-10M3, RPM 80, Pump Pres 450 psi, SPM 65/58. Drlg 22 hrs., Surveys 2 hrs.

Upper Deer Flat Prospect: (EXP)
Deer Flat 11-19 (CPC 100%)
(NW NW 19-2N-2W)(AFE# 71891)

GL 2595'
KB 2671'

2-12-81 (5)
20"cond@200'

2-17-81
Drlg 17-1/2" hole from 1967-2080'. (113'). MW 8.9, Vis 35, WL 17, pH 10.1, SL 1000, Solids 4-1/2%. Dev: 1/4° @1996'. Drlg. TOH to ck bit. Balled w/gumbo. Clean out. Rerun. Ream 13 stds to btm 1703-2064' tight. Drlg. PO: drlg. PB#1, Hughes, 17-1/2 X3A, In hole @ 222', has made 1858' in 71-1/2 hrs. (26'/hr). bit wt 20M#, RPM 55, Pump Pres 550psi, SPM !3 65, #2 60. Drlg 11 hrs., Trips 5-1/2 hrs., surveys 1 hr., Reaming 5-1/2 hrs., Clean bit 1 hr.

Drilling and Completion Program

Well Name: CPC 11-19 Upper Deer Flat

Well Location: NWNW, Section 19, T2N, R2W
Canyon County, Idaho

Estimated Formation Tops:

Glenns Ferry	Surface
Chalk Hills	±1,000'
Banbury-Grassy Mtn. Basalts	2,150'
Poison Creek	3,270'
Owyhee Rhyolite	4,750'
Sucker Creek	6,350'
TD	9,000'

Anticipated Productive Formations:

Sucker Creek (Primary)
Poison Creek (Secondary)
Owyhee Rhyolite (Secondary)

Casing:

Requirements: The State or USGS does not have any specific requirements in this area. Set 13-3/8" surface casing at 2500' and circulate cement to surface. WOC 24 hrs. Pressure test BOP's and 13-3/8" casing to 1500 psi, Hydril to 1500 psi before drilling out. Drill 8-3/4" hole to TD (9000') and set 5½" casing at TD. Raise cement to approximately 6000'.

Program:

Hole Size	Casing Size	Setting Depth	Remarks
26"	20"	200' below GR	Approximately 350 sx cement.
12¼" open to 17½"	13-3/8" 68# K-55 (new)	2500'	Approximately 2000 sx class "G" 2% CaCl2. If necessary, 100' of 1" pipe & circulate 100 sx of class "G" w/3% CaCl2. Use guide shoe w/diff. collar. Use thread locking compound, strap & tack weld bottom 3 jts.
8-3/4"	5½" 17# N-80 (new)	9000'	Cement volumes to be calculated from caliper log + 30% excess. Use class "G" + additives as deemed necessary. Use differential fill collar & shoe & 15 centralizers. Sand blast bottom 1500' of casing.

Mud:

Depth	Weight	Viscosity	Water Loss	Type Mud*
0-2500'	8.8-8.9	40-50	NC	Water, Gel, Lime
2500-9000'	8.8-10	30-45	10-15cc	Low solids, non-dispersed

Cores: Any intervals w/significant shows.

Drill Stem Tests: All zones of significant shows.

Mud Logger: Base of conductor to TD.

Samples: 30' samples 0-2500'
10' samples 2500-9000'

Drilling Time: By Geolograph from base of conductor to TD.

Hole Deviation: 1° per 1000' with a maximum of 1° at 500' and 4° at 9000'. Maximum rate of change of 1° per 250'.

Well Surveys: DIL-MSFL from base of conductor pipe to TD.
Integrated BHC-Sonic Gamma Ray from base of conductor pipe to TD.
FDC-CNL from base of conductor to TD.
Check Shot Velocity Survey from base of surface pipe to TD.
Continuous Dipmeter from base of surface pipe to TD.
Temperature log from base of surface pipe to TD.

Completion: To be determined from logs and tests.

Abnormal Pressures or Temperatures:

No abnormal pressures or temperatures are anticipated.

Proposed Starting Date: Anticipated starting date is December 15, 1980, with a duration of 90 days.

Supervision:

Drilling:

W. M. Blackman
Office: 307-362-5641
Home: 307-875-2809
Rock Springs, Wyoming

R. A. Scott
Office: 307-362-5641
Home: 307-875-6182
Rock Springs, Wyoming

*A minimum of 700 bbl. of mud will be maintained in the pits. Sufficient weighting material will be kept on hand to weight the mud systems to the highest formation pressures to be encountered.

Geological:	Mike Karvelot Office: 303-779-0079 Home: 303-795-1765 Denver, Colordo	Ron Prewitt Office: 303-779-0079 Home: 303-771-2130 Denver, Colorado

Special Instructions

1. Measure drill pipe on all trips below 5000' and all casing points and test points.

2. Check BOP's daily after drilling out.

3. Test BOP's and surface casing to 1500 psi before drilling out. Test Hydril to 1500 psi. Test BOP's every 30 days or less thereafter.

4. Have rotating head available by 3000'.

5. Below 3000' have equipment installed to monitor pit levels and flowlines.

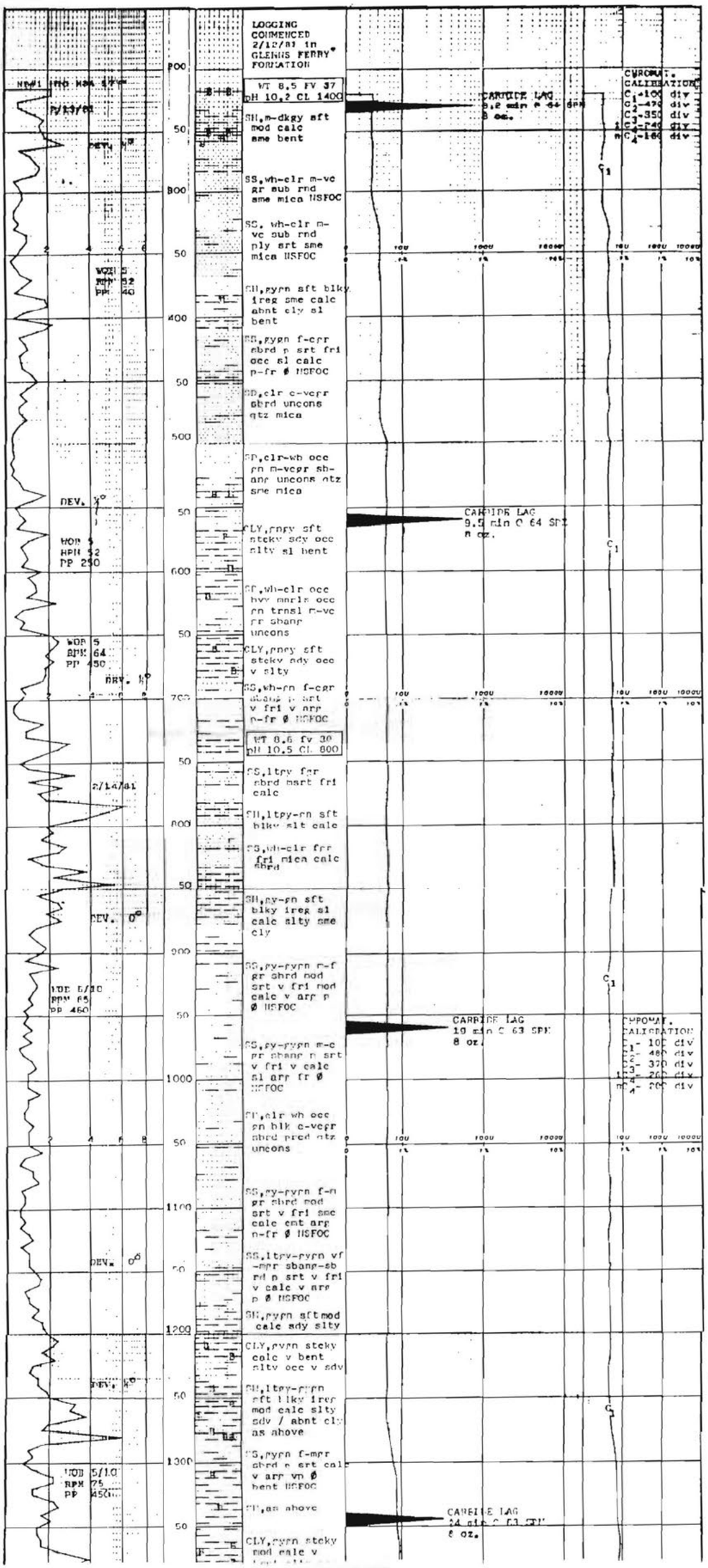
6. Have contractor's rig supervisor and crews completely familiar with blowout detection and kick control by 3000'.

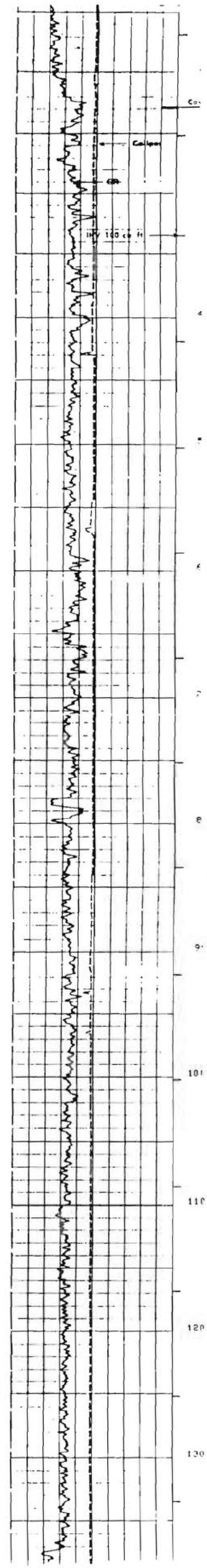
7. A kelly cock will be used while drilling and a sub will be kept on the floor at all times.

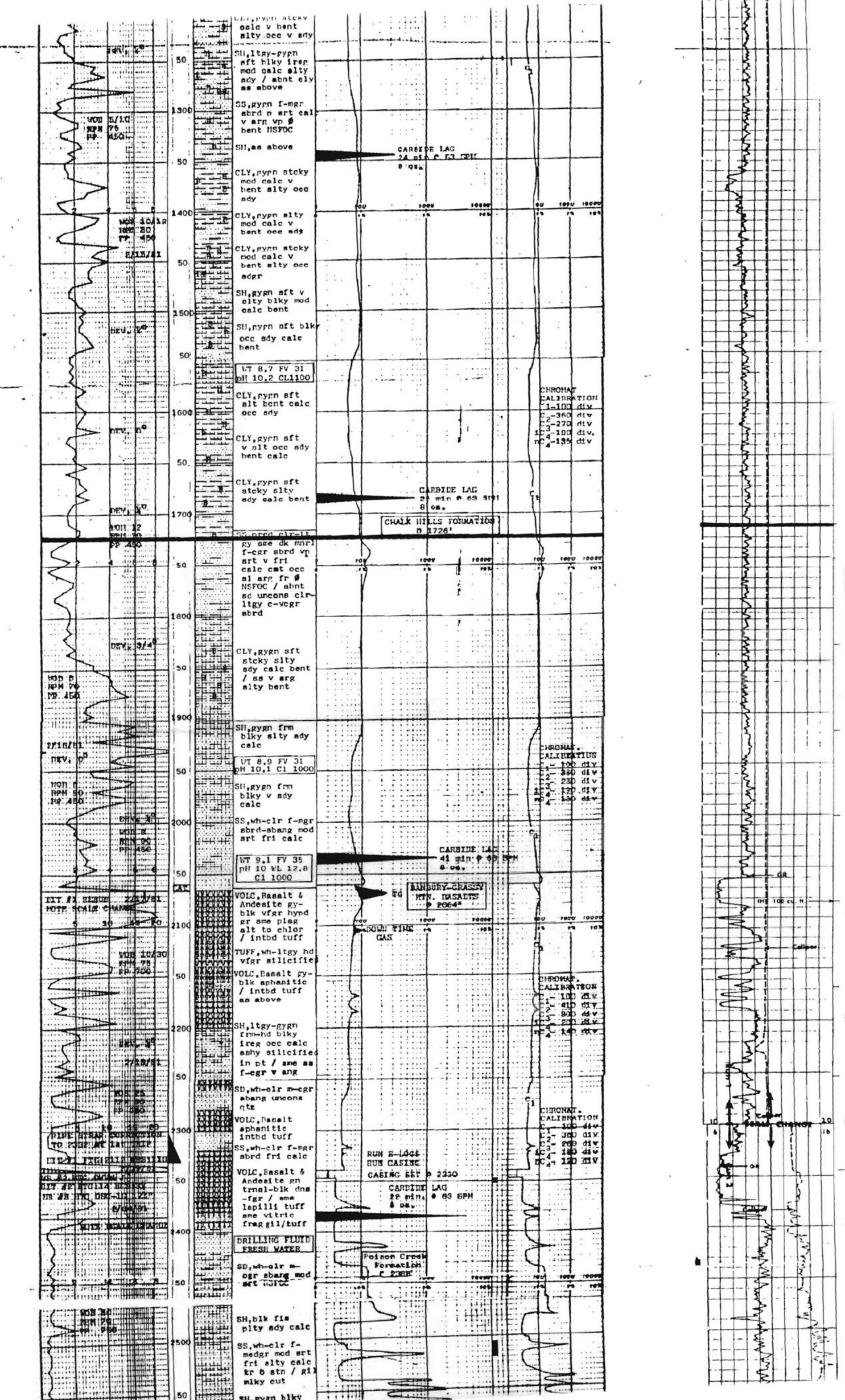
MUD LOG

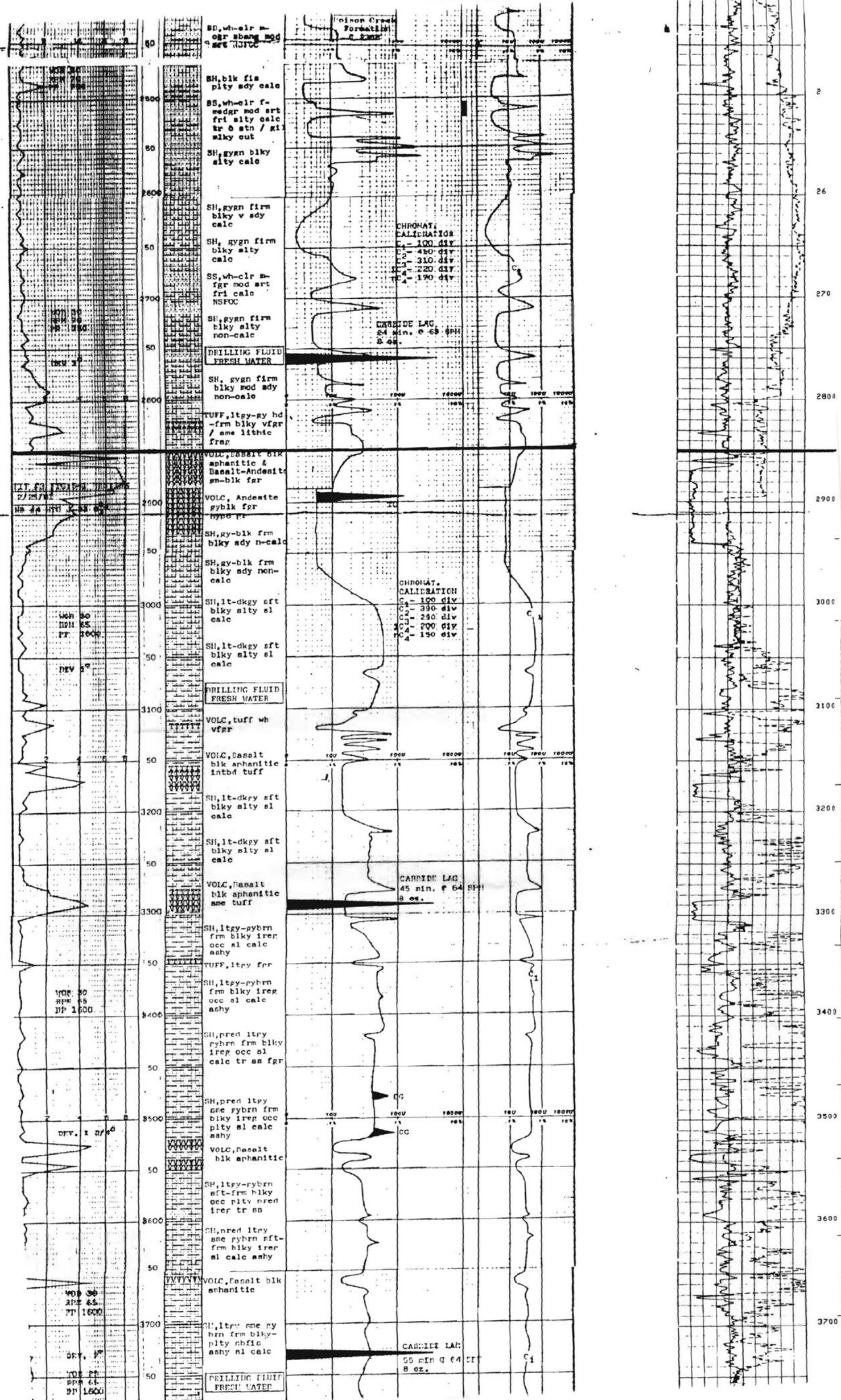
BHC

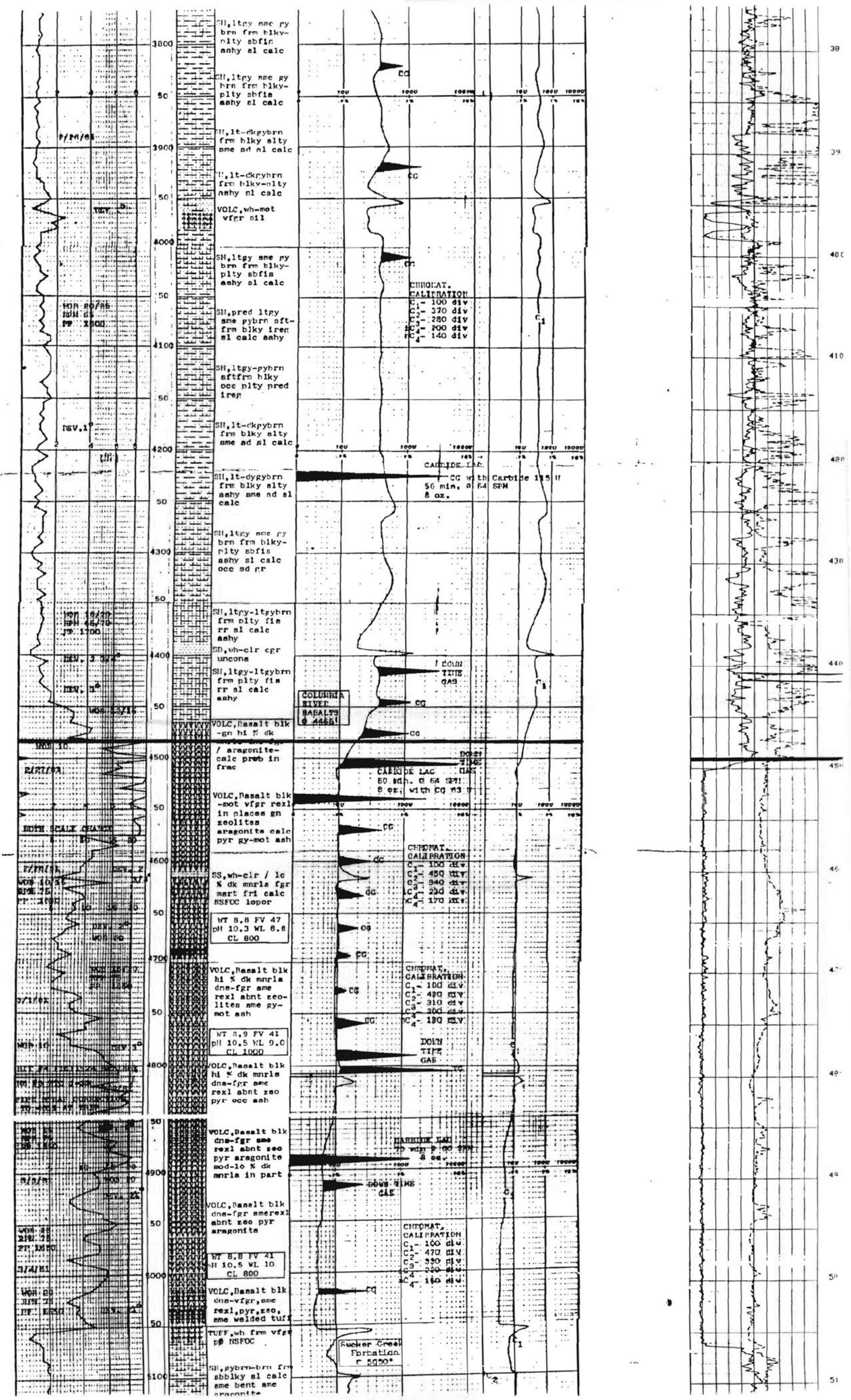
Champlin Petroleum Co. 1980
Deer Flat No. 1

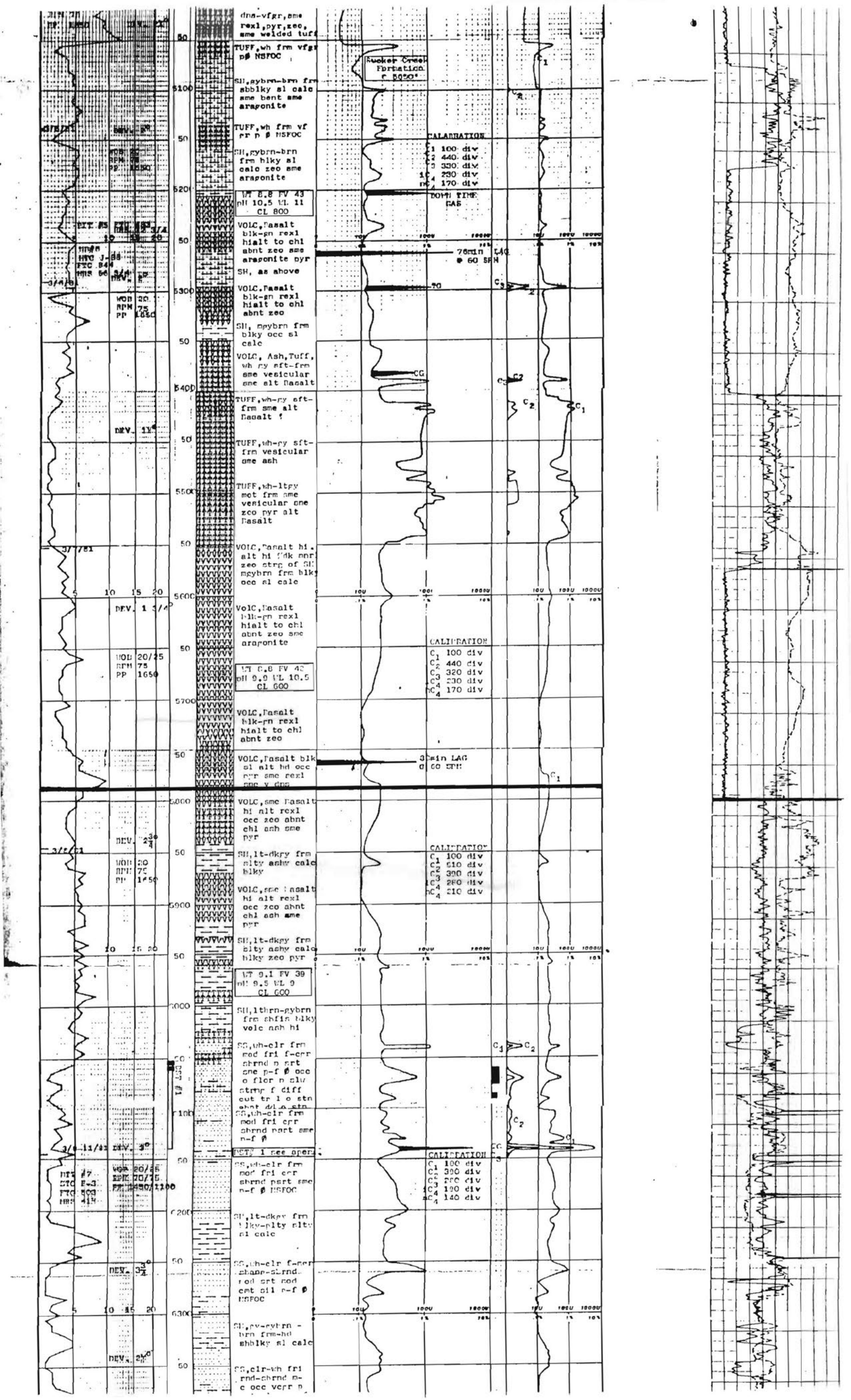


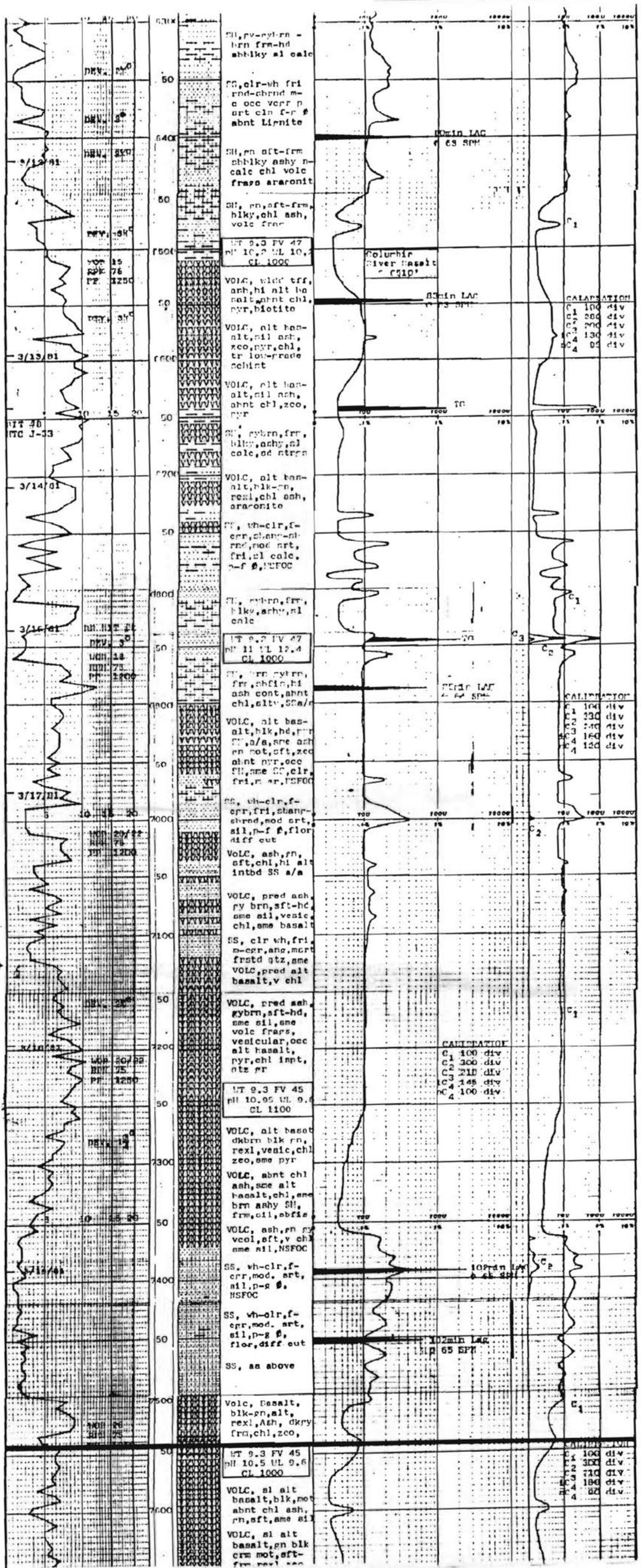


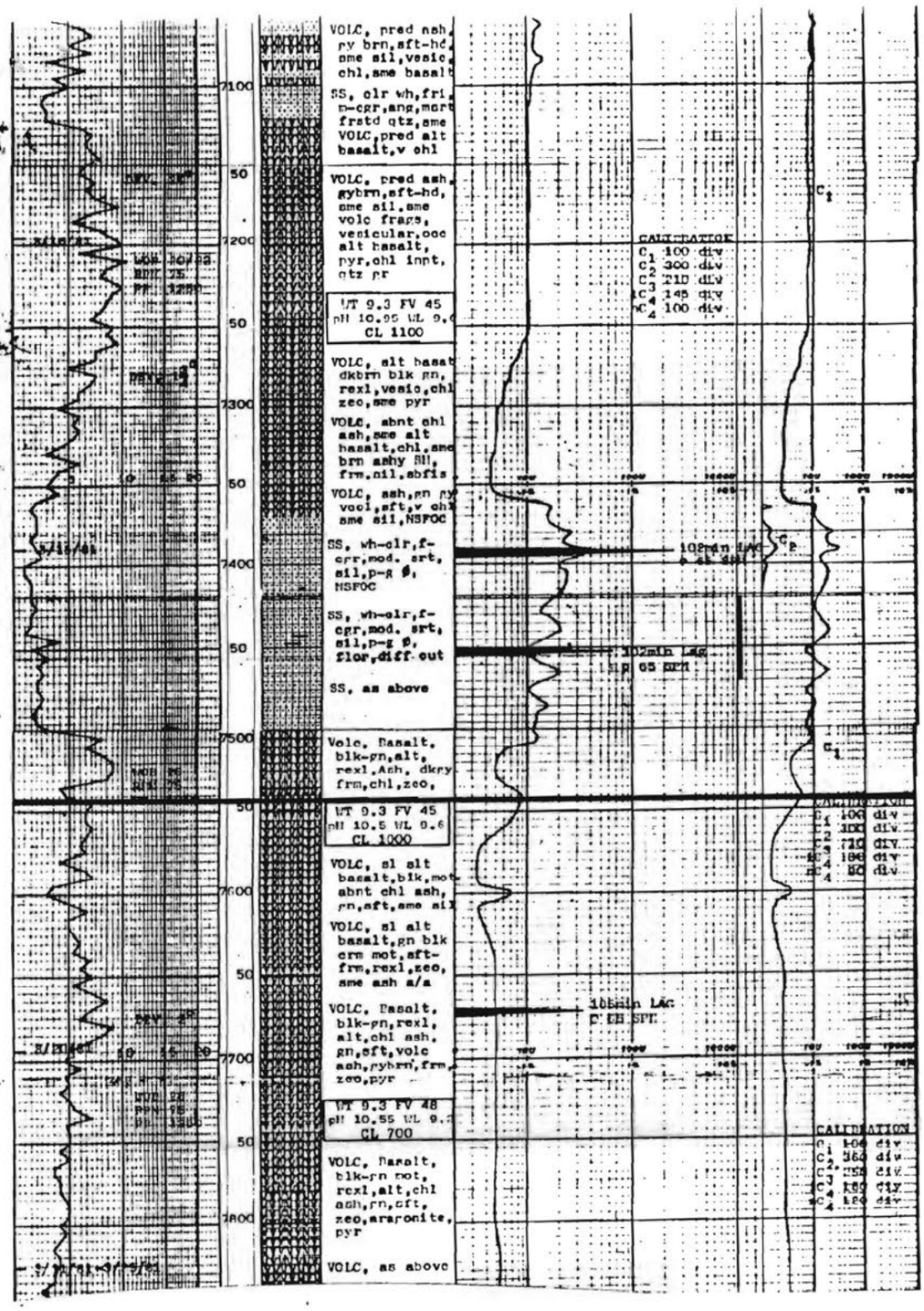

CLY,gygn stcky calc v bent slty occ v sdy
SH,ltgy-gygn sft blky irreg mod calc slty sdy / abnt cly as above
SS,gygn f-mgr sbrd p srt cal v arg vp ø bent NSFOC
SH,as above
CLY,gygn stcky mod calc v bent slty occ sdy
CLY,gygn slty mod calc v bent occ sdy
CLY,gygn stcky mod calc v bent slty occ sdgr
SH,gygn sft v slty blky mod calc bent
SH,gygn sft blky occ sdy calc bent
WT 8.7 FV 31 pH 10.2 CL1100
CLY,gygn sft slt bent calc occ sdy
CLY,gygn sft v slt occ sdy bent calc
CLY,gygn sft stcky slty sdy calc bent
CHALK HILLS FORMATION @ 1726'
SS,pred clr-lt gy sme dk mnrl f-cgr sbrd vp srt v fri calc cmt occ sl arg fr ø NSFOC / abnt sd uncons clr-ltgy c-vcgr sbrd
CLY,gygn sft stcky slty sdy calc bent / ss v arg slty bent
SH,gygn frm blky slty sdy calc
WT 8.9 FV 31 pH 10.1 Cl 1000
SH,gygn frm blky v sdy calc
SS,wh-clr f-mgr sbrd-sbang mod srt fri calc
WT 9.1 FV 35 pH 10 WL 12.8 Cl 1000
TD
BANBURY-CRASSY MTN. BASALTS @ 2064'
VOLC,Basalt & Andesite gy-blk vfgr hypd gr sme plag alt to chlor / intbd tuff
DOWN TIME GAS
TUFF,wh-ltgy hd vfgr silicified
VOLC,Basalt gy-blk aphanitic / intbd tuff as above
SH,ltgy-gygn frm-hd blky irreg occ calc ashy silicified in pt / sme ss f-cgr v ang
SD,wh-clr m-cgr sbang uncons qtz
VOLC,Basalt aphanitic intbd tuff
SS,wh-clr f-mgr sbrd fri calc
VOLC,Basalt & Andesite gn trnsl-blk dns -fgr / sme lapilli tuff sme vitric frag gil/tuff
DRILLING FLUID FRESH WATER
SD,wh-clr m-cgr sbang mod srt NSFOC
SH,blk fis plty sdy calc
SS,wh-clr f-medgr mod srt fri slty calc tr ó stn / gil mlky cut
SH,gygn blky
CARBIDE LAG
CHROMAT. CALIBRATION
RUN E-LOGS
RUN CASING
CASING SET @ 2330
Poison Creek Formation @ 2388'
GR
Caliper
Borehole Diameter

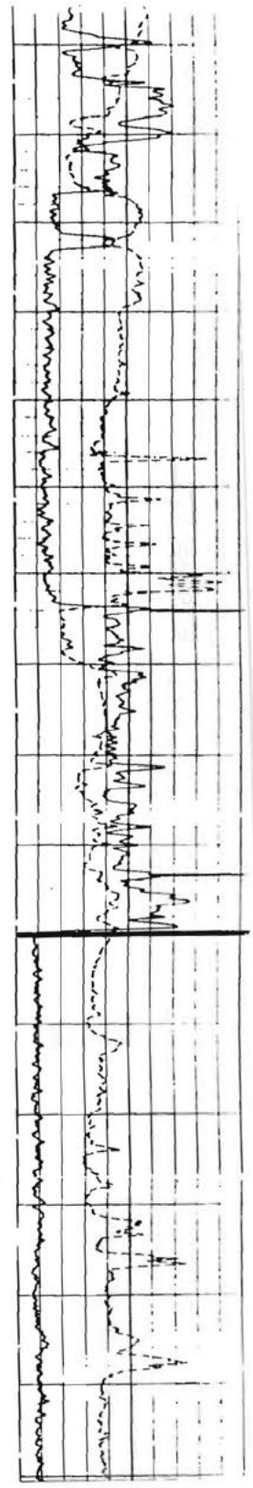

Poison Creek Formation
SD,wh-clr m-cgr sbang mod srt NSFOC
SH,blk fis plty sdy calc
SS,wh-clr f-medgr mod srt fri slty calc tr ⊖ stn / gil slky cut
SH,gyrn blky slty calc
SH,gyrn firm blky v sdy calc
SH, gygn firm blky slty calc
SS,wh-clr m-fgr mod srt fri calc NSFOC
SH,gyrn firm blky slty non-calc
DRILLING FLUID FRESH WATER
SH, gygn firm blky mod sdy non-calc
TUFF,ltgy-gy hd -frm blky vfgr / sme lithic frag
VOLC,Basalt blk aphanitic & Basalt-Andesite gn-blk fgr
VOLC, Andesite gyblk fgr hypo pr
SH,gy-blk frm blky sdy n-calc
SH,gy-blk frm blky sdy non-calc
SH,lt-dkgy sft blky slty sl calc
SH,lt-dkgy sft blky slty sl calc
DRILLING FLUID FRESH WATER
VOLC,tuff wh vfgr
VOLC,Basalt blk aphanitic intbd tuff
SH,lt-dkgy sft blky slty sl calc
SH,lt-dkgy sft blky slty sl calc
VOLC,Basalt blk aphanitic sme tuff
SH,ltgy-gybrn frm blky ireg occ sl calc ashy
TUFF,ltgy fgr
SH,ltgy-gybrn frm blky ireg occ sl calc ashy
SH,pred ltgy gybrn frm blky ireg occ sl calc tr ss fgr
SH,pred ltgy sme gybrn frm blky ireg occ plty sl calc ashy
VOLC,Basalt blk aphanitic
SH,ltgy-gybrn sft-frm blky occ plty pred ireg tr ss
SH,pred ltgy sme gybrn sft-frm blky ireg sl calc ashy
VOLC,Basalt blk aphanitic
SH,ltgy sme gy brn frm blky-plty sbfic ashy sl calc
DRILLING FLUID FRESH WATER
CHROMAT. CALIBRATION
C1 - 100 div
C2 - 410 div
C3 - 310 div
C4 - 220 div
TC4 - 190 div
CARBIDE LAG 24 min. @ 63 SPM 8 oz.
CHROMAT. CALIBRATION
C1 - 100 div
C2 - 390 div
C3 - 290 div
C4 - 200 div
TC4 - 150 div
CARBIDE LAG 45 min. @ 64 SPM 8 oz.
CARBIDE LAG 55 min @ 64 SPM 8 oz.
CC
2
26
270
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700


SH,ltgy sme gy brn frm blky-plty sbfis ashy sl calc
SH,ltgy sme gy brn frm blky-plty sbfis ashy sl calc
SH,lt-dkgybrn frm blky slty sme sd sl calc
SH,lt-dkgybrn frm blky-plty ashy sl calc
VOLC,wh-mot vfgr sil
SH,ltgy sme gy brn frm blky-plty sbfis ashy sl calc
SH,pred ltgy sme gybrn sft-frm blky irreg sl calc ashy
SH,ltgy-gybrn sftfrm blky occ plty pred irreg
SH,lt-dkgybrn frm blky slty sme sd sl calc
SH,lt-dgybrn frm blky slty ashy sme sd sl calc
SH,ltgy sme gy brn frm blky-plty sbfis ashy sl calc occ sd gr
SH,ltgy-ltgybrn frm plty fis rr sl calc ashy
SD,wh-clr cgr uncons
SH,ltgy-ltgybrn frm plty fis rr sl calc ashy
VOLC,Basalt blk -gn hi % dk / aragonite-calc prob in frac
VOLC,Basalt blk -mot vfgr rexl in places gn zeolites aragonite calc pyr gy-mot ash
SS,wh-clr / lo % dk mnrls fgr mart fri calc NSFOC lopor
WT 8.8 FV 47 pH 10.3 WL 8.8 CL 800
VOLC,Basalt blk hi % dk mnrls dns-fgr sme rexl abnt zeolites sme gy-mot ash
WT 8.9 FV 41 pH 10.5 WL 9.0 CL 1000
VOLC,Basalt blk hi % dk mnrls dns-fgr sme rexl abnt zeo pyr occ ash
VOLC,Basalt blk dns-fgr sme rexl abnt zeo pyr aragonite mod-lo % dk mnrls in part
VOLC,Basalt blk dns-fgr smerexl abnt zeo pyr aragonite
WT 8.8 FV 41 pH 10.5 WL 10 CL 800
VOLC,Basalt blk dns-vfgr,sme rexl,pyr,zeo, sme welded tuff
TUFF,wh frm vfgr pØ NSFOC
SH,gybrn-brn frm sbblky sl calc sme bent sme aragonite
CHROMAT. CALIBRATION
C1- 100 div
C2- 370 div
C3- 280 div
IC4- 200 div
NC4- 140 div
CARBIDE LAG
CG with Carbide 115 U
56 min. @ 64 SPM
8 oz.
DOWN TIME GAS
COLUMBIA RIVER BASALTS @ 4465'
CARBIDE LAG
60 min. @ 64 SPM
8 oz. with CG 83 U
CHROMAT. CALIBRATION
C1- 100 div
C2- 450 div
C3- 940 div
IC4- 230 div
NC4- 170 div
CHROMAT. CALIBRATION
C1- 100 div
C2- 480 div
C3- 310 div
IC4- 200 div
NC4- 180 div
DOWN TIME GAS
CARBIDE LAG
70 min @ 60 SPM
8 oz.
DOWN TIME GAS
CHROMAT. CALIBRATION
C1- 100 div
C2- 470 div
C3- 330 div
IC4- 220 div
NC4- 160 div
Rocker Creek Formation @ 5050'
3800
3900
4000
4100
4200
4300
4400
4500
4600
4700
4800
4900
5000
5100
30
39
40
41
42
43
44
45
46
47
48
49
50
51


Sucker Creek Formation
CALIBRATION
C1 100 div
C2 440 div
C3 330 div
iC4 230 div
nC4 170 div
DOWN TIME GAS
76min LAG @ 60 SPM
WT 8.8 FV 43 pH 10.5 WL 11 CL 800
WT 8.8 FV 42 pH 9.9 WL 10.5 CL 600
CALIBRATION
C1 100 div
C2 320 div
C3 230 div
iC4 170 div
30min LAG @ 60 SPM
CALIBRATION
C1 100 div
C2 510 div
C3 390 div
iC4 280 div
nC4 210 div
WT 9.1 FV 39 pH 9.5 WL 9 CL 600
CALIBRATION
C1 100 div
C2 300 div
C3 220 div
iC4 190 div
nC4 140 div
TUFF,wh frm vfgr p Ø NSFOC
SH,gybrn-brn frm sbblky sl calc sme bent sme aragonite
TUFF,wh frm vf gr p Ø NSFOC
SH,gybrn-brn frm blky sl calc zeo sme aragonite
VOLC,Basalt blk-gn rexl hialt to chl abnt zeo sme aragonite pyr
SH, as above
VOLC,Basalt blk-gn rexl hialt to chl abnt zeo
SH, mgybrn frm blky occ sl calc
VOLC, Ash,Tuff, wh ry sft-frm sme vesicular sme alt Basalt
TUFF,wh-ry sft-frm sme alt Basalt
TUFF,wh-ry sft-frm vesicular sme ash
TUFF,wh-ltgy mot frm sme vesicular sme zeo pyr alt Basalt
VOLC,Basalt hi. alt hi fdk mnr zeo strg of SH mgybrn frm blky occ sl calc
VOLC,Basalt blk-gn rexl hialt to chl abnt zeo sme aragonite
VOLC,Basalt blk-gn rexl hialt to chl abnt zeo
VOLC,Basalt blk sl alt hd occ pyr sme rexl sme v dns
VOLC,sme Basalt hi alt rexl occ zeo abnt chl ash sme pyr
SH,lt-dkgy frm slty ashy calc blky
VOLC,sme Basalt hi alt rexl occ zeo abnt chl ash sme pyr
SH,lt-dkgy frm slty ashy calc blky zeo pyr
SH,lthrn-gybrn frm shfis blky volc ash hi
SS,wh-clr frm mod fri f-crr sbrnd p srt sme p-f Ø occ o flor p slw strmg f diff cut tr l o stn abnt d/l o stn
SS,wh-clr frm mod fri crr sbrnd part sme p-f Ø
DST# 1 see open
SS,wh-clr frm mod fri crr sbrnd part sme p-f Ø NSFOC
SH,lt-dkgy frm blky-slty slty sl calc
SS,wh-clr f-mcr sbang-sbrnd mod srt mod cmt sil p-f Ø NSFOC
SH,gy-gybrn - brn frm-hd sbblky sl calc
SS,clr-wh fri rnd-sbrnd m-c occ vcrr p


SH, gy-gybrn - brn frm-hd sbblky sl calc
SS, clr-wh fri rnd-sbrnd m-c occ verr p art cln f-r ø abnt Lignite
SH, gn sft-frm sbblky ashy n-calc chl volc frags aragonit
SH, gn, sft-frm, blky, chl ash, volc frag
WT 9.3 FV 47 pH 10.2 WL 10.2 CL 1000
VOLC, wldd trf, ash, hi alt ba salt, abnt chl, pyr, biotite
VOLC, alt basalt, sil ash, zeo, pyr, chl, tr low-grade schist
VOLC, alt basalt, sil ash, abnt chl, zeo, pyr
SH, gybrn, frm, blky, ashy, sl calc, sd strgs
VOLC, alt basalt, blk-gn, rexl, chl ash, aragonite
SS, wh-clr, f-crr, sbang-sbrnd, mod srt, fri, sl calc, p-f ø, NSFOC
SH, gybrn, frm, blky, ashy, sl calc
WT 9.2 FV 47 pH 11 WL 12.4 CL 1000
SH, brn gybrn, frm, sbflk, hi ash cont, abnt chl, sltv, SSa/a
VOLC, alt basalt, blk, hd, pyr SH, a/a, sme ash gn mot, sft, zeo abnt pyr, occ SH, sme SS, clr, fri, m gr, NSFOC
SS, wh-clr, f-crr, fri, sbang-sbrnd, mod srt, sil, p-f ø, flor diff cut
VOLC, ash, gn, sft, chl, hi alt intbd SS a/a
VOLC, pred ash, gy brn, sft-hd, sme sil, vesic, chl, sme basalt
SS, clr wh, fri, m-crr, ang, mod frstd qtz, sme VOLC, pred alt basalt, v chl
VOLC, pred ash, gybrn, sft-hd, sme sil, sme volc frags, vesicular, occ alt basalt, pyr, chl inpt, qtz gr
WT 9.3 FV 45 pH 10.05 WL 9.6 CL 1100
VOLC, alt basalt dkbrn blk gn, rexl, vesic, chl zeo, sme pyr
VOLC, abnt chl ash, sme alt basalt, chl, sme brn ashy SH, frm, sil, sbflk
VOLC, ash, gn gy vcol, sft, v chl sme sil, NSFOC
SS, wh-clr, f-crr, mod. srt, sil, p-g ø, NSFOC
SS, wh-clr, f-crr, mod. srt, sil, p-g ø, flor, diff cut
SS, as above
Volc, Basalt, blk-gn, alt, rexl, Ash, dkry frm, chl, zeo,
WT 9.3 FV 45 pH 10.5 WL 9.6 CL 1000
VOLC, sl alt basalt, blk, mot abnt chl ash, gn, sft, sme sil
VOLC, sl alt basalt, gn blk crm mot, sft-frm rexl zeo
10min LAG @ 65 SPM
Columbia River Basalt @ 6910'
83min LAG @ 73 SPM
TG
CALIBRATION
C1 100 div
C2 300 div
C3 200 div
C4 130 div
C4 95 div
75min LAG @ 64 SPM
CALIBRATION
C1 100 div
C2 230 div
C3 240 div
C4 160 div
C4 120 div
CALIBRATION
C1 100 div
C2 300 div
C3 210 div
C4 145 div
C4 100 div
10Pmin LAG @ 65 SPM
102min LAG @ 65 SPM
CALIBRATION
C1 100 div
C2 300 div
C3 210 div
C4 180 div
C4 85 div





T.D. DRILLER 9022'

T.D. SCH. 9047'