COMPLETION REPORT

DIAMOND SHAMROCK CORPORATION

CROWN ZELLERBACH #31-17

Sec. 17, T. 6 N., R. 8 W.

CLATSOP COUNTY, OREGON

COMPLETION REPORT

WELL NAME: Diamond Shamrock Corporation
Crown Zellerbach #31-17

LOCATION: 1300 feet from north line and 2350 feet from east line
Sec. 17, T.6N., R.8W.
Clatsop County, Oregon

GROUND ELEVATION: 512 feet.

KB ELEVATION: 523 feet.

DRILLING RIG: Taylor Drilling Company Rig #4.

DRILLING SUPERVISOR: Kelton R. Mann
Foy Boyd Associates, Inc.
Denver, Colorado

WELLSITE GEOLOGIST: Richard E. White
Consulting Geologist
Salem, Oregon

MUDLOGGERS: Michelle Miller
Ezekiel Carter
Tooke Engineering
Casper, Wyoming

SPUD DATE: June 25, 1981.

DATE DRILLING COMPLETED: July 29, 1981.

COMPLETION DATE: July 31, 1981.

STATUS: Plugged and abandoned.

CASING: 9 5/8 inch set at 980 feet.

TOTAL DEPTH: 6095 feet.

SAMPLES COLLECTED: All samples were caught by the mudloggers and were lagged to compensate for circulation time.

One wet cut collected over 30-foot intervals from casing point at 980 feet to 5573 feet was sent to Dan McKeel, Linclon City, Oregon for micropaleontologic evaluation.

One dry cut collected over 10-foot intervals from casing point at 980 feet to total depth was sent to Oregon Department of Geology and Mineral Industries, Portland, Oregon.

One set of canned samples was sent to Houston Oil and Minerals Geology Lab, Houston, Texas.

GEOLOGIC SUMMARY

0-980 Surface Casing: No samples collected.

SAMPLES STARTED IN PITTSBURG BLUFF (?) FORMATION

980-1114 Mudstone: Light to medium gray to medium brown, frequently very sandy.

1114-1507 Mudstone: As above with minor fine-grained, argillaceous sandstone.

1507-1694 Sandstone: Light to medium gray, salt and pepper, glauconitic, often argillaceous, interbedded with shale.

GOBLE VOLCANICS (intertongues with Pittsburg Bluff/Keasey Formations)

1694-1766 Basalt: Flow.

1766-1787 Tuff: Very light gray.

1787-1794 Basalt: Flow, abundant calcite-filled fractures.

PITTSBURG BLUFF/KEASEY FORMATION UNDIFFERENTIATED

1794-1944 Mudstone: Light to medium brownish gray, frequently very sandy, micaceous.

1944-2116 Mudstone and Sandstone: Mudstone as above interbedded with thin stringers of very fine-grained, argillaceous sandstone.

GOBLE VOLCANICS

2116-2210 Volcanics: Predominantly andesite(?) with minor light gray tuff.

PITTSBURG BLUFF/KEASEY FORMATION UNDIFFERENTIATED

2210-2669 Mudstone: Light to medium gray to light to medium brown, with interbedded thin stringers of very fine-grained, medium gray, argillaceous sandstone.

2669-2962 Sandstone: Light gray, very fine- to medium-grained, poorly sorted, argillaceous, interbedded with medium gray and brown shales.

KEASEY FORMATION

2962-3143 Mudstone and Shale: Medium gray to medium brownish gray, with interbedded sandstone as above.

3143-3180 Sandstone: As above with interbedded mudstone and shale as above.

3180-3265 Mudstone: As above with interbedded sandstone as above.

3265-3423 Mudstone: Medium gray, frequently very sandy, interbedded with light gray, fine- to medium-grained, poorly sorted sandstone.

3423-3509 Sandstone: Light gray, fine- to medium- and occasionally coarse-grained, poorly sorted, angular to subangular, possibly volcaniclastic, with interbedded medium gray mudstone.

3509-3536 Shale: Medium gray.

3536-3542 Basalt: Intrusion.

3542-3850 Shale: Medium gray.

3850-4310 Mudstone: Medium to dark gray, sandy, with interlaminated, light to dark gray, fine- to very fine-grained, argillaceous sandstone.

KEASEY/COWLITZ FORMATION UNDIFFERENTIATED

4310-4790 Mudstone: As above becoming harder downward, abundant pyrite in places, with minor interbedded sandstone as above.

COWLITZ FORMATION

4790-5050 Siliceous Shale and Mudstone: Dark gray, very hard, abundant zeolite- and calcite-filled fractures.

5050-5150 Siliceous Shale and Mudstone: As above with minor white to light gray, very fine-grained, hard, siliceous sandstone.

5150-5448 Sandstone: White, hard, mildly metamorphosed, with interbedded siliceous shale and mudstone.

5448-5606 Andesite: Intrusion.

5606-5805 Sandstone: White to light pink, green, and violet, hard, mildly metamorphosed, with interbedded siliceous, brown to reddish brown shale and mudstone.

5805-6095 Andesite: Intrusion.

6095 Total Depth.

One dry cut collected over 10-foot intervals from casing point at 980 feet to total depth was sent to Diamond Shamrock Corporation, Denver, Colorado.

TESTS: None.

CORES: None.

LOGS: Dual Induction--SFL--Sonic
Compensated Neutron--Formation Density
Dipmeter
Velocity Survey