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FEB 28 1994

GEOLOGICAL REPORT

OXY USA INC.

PEACE CREEK #603

Section 35-T22S-R10W
1200' FSL & 330' FEL

Reno County, Kansas

API # 15-155-21295

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Wichita, Kansas

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GEOLOGICAL REPORT

Operator: OXY USA. INC.
 Lease: Peace Creek #603
 Field: Zenith Peace Creek
 Location: 1200' FSL and 330' FEL. Section 35-T22S-R10W
 Elevation: GL 1736. KB 1745 (all measurements from KB)
 County: Reno
 State: Kansas
 Company Representative: Don Herman and Steve Darwin
 Contractor: Duke Drilling, Rig #5
 Commenced: 8-11-1993
 Completed: 8-17-1993 (rotary)
 API Number: #15-155-21275

CASING RECORD

Surface Casing: 8 5/8" @ 333'
 Production Casing: 5 1/2" @ 3692'

DRILL TIME AND SAMPLES

Drill Time: plotted from 3000' to RTD
 Samples: saved and examined from 3000' to RTD

ELECTRIC LOG

Company: No open hole log

GEOLOGIST

Project Geologist: David Smith
 Wellsite Geologist: Steve Davis (wellsite supervision 3000'- RTD)

FORMATION TOPS: KB 1745

Heebner	Sample Top:
Toronto	3036(-1291)
Brown Lime	3052(-1307)
Lansing Kansas City	3188(-1443)
Base of Kansas City	3218(-1473)
Kinderhook	3526(-1781)
Viola Lime	3605(-1860)
Total Depth (rotary)	3685(-1940)
Viola Dolomite	3693(-1948)
Total Depth (cable tools)	3701(-1956)
	3714(-1969)

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SAMPLE DESCRIPTIONS:
(correlated to electric log)

TORONTO LIMESTONE 3052(-1307)

3052-56 Limestone, gray to tan, fine to very fine crystalline, slightly fossiliferous. No visible porosity, cherty in part.

BROWN LIME (IATAN) 3188(-1443)

3188-93 Limestone, brown, fine to very fine crystalline, fossiliferous, no visible porosity, dense.

LANSING KANSAS CITY 3218(-1473)

3218-21 Limestone, tan to gray, fine crystalline, slightly fossiliferous, no visible porosity.

3270-74 Limestone, cream to off white, fine to very fine crystalline, fossiliferous, chalky in part. Poor vuggy porosity and poor fossil cast porosity, trace of free oil, spotted stain, faint odor.

3394-96 Limestone, tan to off white, fine crystalline, fossiliferous. Poor to fair fossil mold porosity, trace of free oil, few pieces with spotted stain, no odor.

VIOLA LIME 3685(-1940)

3690 Limestone, cream to off white, fine to medium crystalline, cfs chalky in part, few pieces slightly dolomitic with poor intercrystalline porosity, no show. Included, chert, white, fresh. Included, limestone, white, fine crystalline, chalky, no visible porosity, slightly sandy.

3693 Limestone, cream to off white, fine to course crystalline, cfs slightly dolomitic, rare poor intercrystalline porosity, most (RTD) with no visible porosity, chalky in part. Included, few pieces chert, white to gray.

CABLE TOOL SAMPLE DESCRIPTIONS OF VIOLA

3693-95 Limestone, white to gray, fine to course crystalline, cherty in part. Poor intercrystalline porosity, spotted stain. Included, chert, gray, fresh.

3695-97 Dolomitic limestone, white to light gray, fine to medium crystalline, cherty in part. Poor intercrystalline porosity, trace of free oil, spotted stain, no odor. Included, chert, gray, translucent, slightly fossiliferous.

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CABLE TOOL SAMPLE DESCRIPTIONS OF VIOLA CONTINUED

- 3697-99 Limestone, tan to cream, fine to medium crystalline, cherty to chalky in part. No visible porosity, trace of free oil, no odor. 50% Chert, tan to gray, translucent.
- 3699-
3700 Dolomitic limestone, tan to cream, fine crystalline, cherty no visible porosity, trace of free oil. No odor with chert as above.
- 3700-02 Most chert, white, opaque, fresh. Included, dolomite, tan, fine crystalline, cherty. Poor intercrystalline porosity, trace of free oil, few gas bubbles, uniform light stain, no odor. (no fill up)
- 3702-04 Chert white, fresh, opaque. Included, chert, white, slightly weathered, poor tripolitic porosity, trace of free oil, spotted stain. Included, dolomite, tan to white, fine crystalline, cherty. Poor intercrystalline porosity, fair show of free oil, few gas bubbles, spotted to uniform stain, faint odor. (no fill up)
- 3704-06 Most chert, white, fresh to slightly weathered, poor tripolitic porosity, spotted stain, no show of free oil. Included, dolomite, tan, fine crystalline, cherty, fair to poor intercrystalline porosity, trace of free oil, uniform light stain, faint odor. (no fill up)
- 3706-08 Dolomite, brown, fine to medium crystalline, poor to fair intercrystalline porosity, good show of free oil, fair show of gas bubbles, uniform stain, good odor. Included, chert, white, weathered, poor tripolitic porosity, spotted stain. (1 hour fill up, 700' G.I.P., with good show of oil in bailer)
- 3708-10 Chert, white, slightly weathered, poor tripolitic porosity, trace of free oil, spotted stain. Included, dolomite, tan to brown, fine to medium crystalline, fair to poor intercrystalline porosity, good show of free oil, fair show of gas bubbles, uniform stain. (1 hour fill up, 700' G.I.P and 80' clean oil)

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Dry samples only from 3710-14 TD, geologist not on location when this interval was drilled.

3710-12 Chert. white. fresh. opaque. Included. chert. white. weathered. fair to poor tripolitic porosity. light spotted stain. Included. dolomite. tan. fine to medium crystalline. poor intercrystalline porosity. uniform light stain. (50% chert and 50% dolomite)

3712-14 Chert and dolomite as above with increase in dolomite. white. (T.D.) fine to medium crystalline. no visible porosity. no stain. cherty in part.

At 3714' the decision was made by the operator to pump test the Peace Creek #603.

Rotary and cable tool cuttings have been delivered to the Kansas Geological Survey.

Respectfully Submitted.

Steve Davis

Richard S. (Steve) Davis Jr.
Wellsite Geologist

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