

KIM B. SHOEMAKER

CONCRETE SOLUTIONS
18-06-2008 WIDMAN

CONCRETE'S REPORT

DATE: 10-23-17

RAYMOND OIL COMPANY, INC.

#1 Z. BAIRD

L D

953' FSL & 2299 FEL

30 66 35W

THOMAS KANSAS

L.D. DRILLING, Inc.

10-13-17 10-23-17

4814 4814

3535 CHEMICAL

3500 4814

3500 4814

3500 4814

3700 4814

KIM B. SHOEMAKER

2882 + 401 2886 + 397

2920 + 363 2923 + 360

3788 - 505 3789 - 506

4095 - 812 4094 - 811

4140 - 863 4142 - 859

4403 - 1120 4401 - 1118

4521 - 1238 4519 - 1236

4588 - 1305 4587 - 1304

4617 - 1334 4619 - 1336

4774 - 1491 4767 - 1484

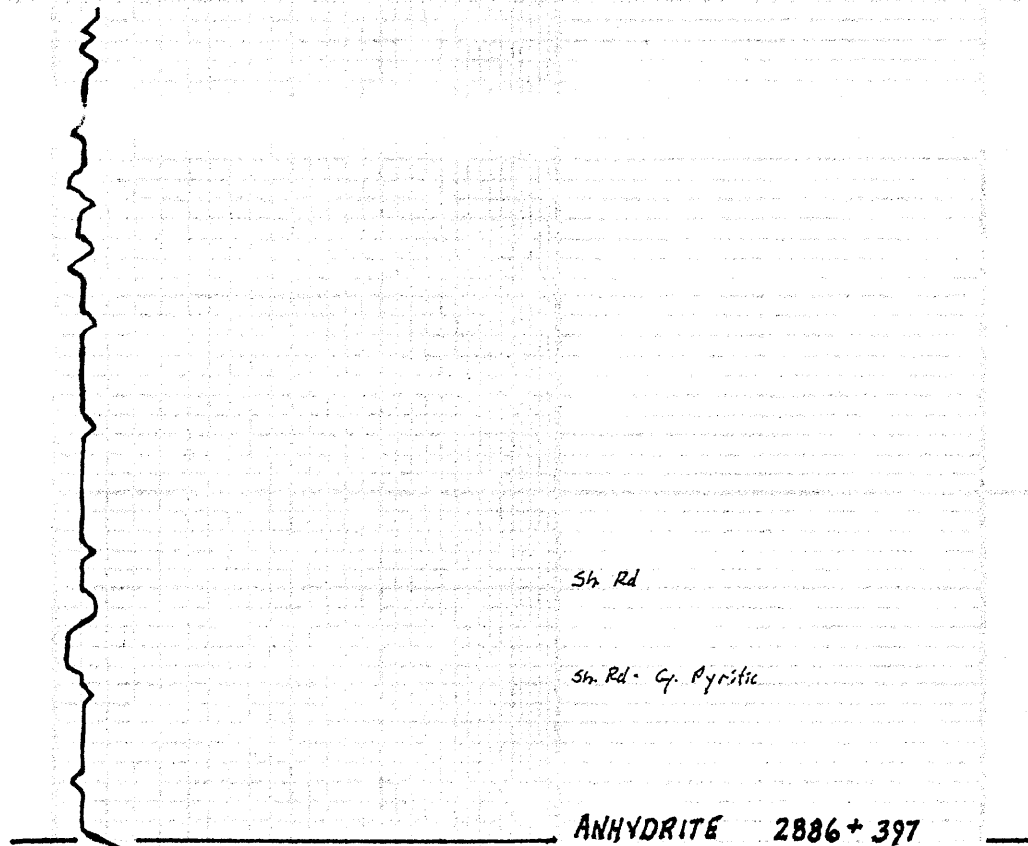
API: 15-193-21002

- 10-13-17 SPUD
- 10-14 @ 537'
- 10-15 @ 2223'
- 10-16 @ 3055'
- 10-17 @ 3550'
- 10-18 @ 3848'
- 10-19 @ 4355'
- 10-20 @ 4465'
- 10-21 @ 4510'
- 10-22 @ 4752'
- 10-23 @ 4814'

30

15000

2800



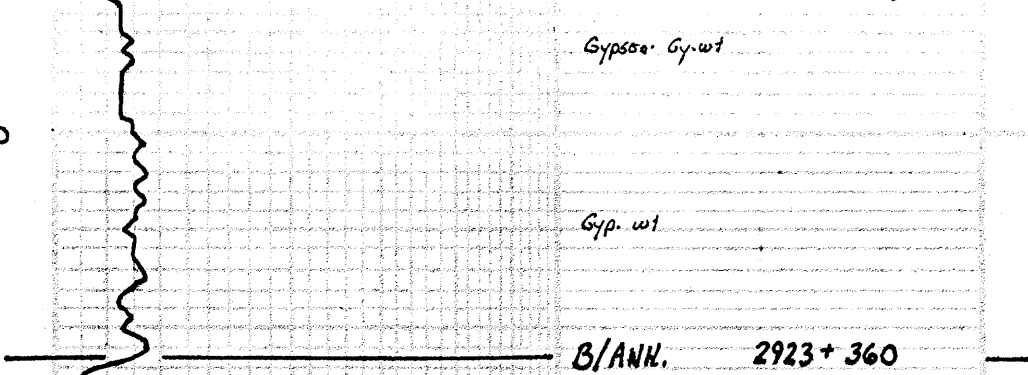
Sh. Rd.

Sh. Rd. G. Pyritic

ANHYDRITE 2886 + 397

Gypso. G. wt

2900



Gyp. wt

B/ANH. 2923 + 360

Sh. Rd.

3000

3500

3600

Samples are Logged

Sd. 11 G. Fr Co Sub Rd

Sh. Rd Silty

LS wt Sil Foss Sil A

Sh. Rd.

LS 11 G. VSI: Foss.
A Br Orange

LS Th Micro: Foss Sil A

LS. Th G. Sil Foss

VIS: 77
WT: 8.6
WL: 6.8
CNL: 2400

LS. wt G. Sil Foss: Foss.

LS. 11 G. Fr Co Sil Foss.

LS. Th G. Sil Foss.

3700

3800

Sh. Rd.

Sdy sh. Lt G.

Ls. To Bl Foss.

Sh. Rd.

Ls. To G. Sil Foss.

Sh. Rd.

Ls. Lt G. V. Foss. Sil Foss. 'Vuggy'

Sh. Purple

Sh. G. Silly.

Ls. Bl G. Sil Foss.

STOTLER 3789-506

Ls. To Sil Foss.

Dol. Bl. V. Foss. Suc. P. P. P. P. P. P.
Bl. Sil. Sil. G. Sil Foss. 'Bleeding Oil', Fr. Odor

Sh. Rd.

Ls. To Bl V. Sil Foss.

Ls. To G. Foss. w/ Blk. D. Bl. Sil. V. Sil Foss. V. P. Odor

Sh. Rd.

Ls

Ls. To w/ Sil. Foss. D. Bl. Sil. To Foss. No odor

Sh. Rd. Cu.

Ls. w/ V. Sil Foss. Sil. Chilly

DST

(12)

VIS: 73

WT: 8.8

WL: 6.4

CAL: 4000

DST (1) 3795-3818

1ST OPEN: Blow built to 11"

2ND OPEN: " " " 3 1/4"

30-60-45-75

Rec. 27' Mud

FP: 11-16 16-21"

SIP: 1070-1019" Temp. 115°F

Total Sample:

37-6, 27-0, 95-1 Mud



3900

4000

LS. Tan. w/ St. A. VSh. Foss.

Sh. Rd.

LS. Gy. Purple shly.

LS. wt. Slid St. Calcitic

LS. wt. Sh. Foss. St. A.

LS. Lt Gy. Sh. Foss.

Sh. Rd.

Sd. Sdy. Lt Gy. V.Fa. Sub Rd.

Sh. Rd. Sdy. Md Gy. Sub Rd.

LS. wt. Foss. Sdy. V.Fa. Sub Rd.

LS. Lt Gy. V.Fa. sh. Svc.

LS. wt. Foss. Calcitic

Dob. Lt Gy. V.Fa. sh. Svc.

Sh. Rd. Sdy.

LS. Rd. VSh. Foss.

Sh. Rd.

LS. Rd. Gy. VSh. Foss.

Lt Gy. Sdy.

Sh. Rd. Sily.

LS. Tan. w/ Sh. Foss. St. A.

Sh. Lt Gy.

LS. Tan. w/ VSh. Foss. St. Chly.

LS. wt. VSh. Foss. Chly.

4100

LS. Ltg. VSh. Foss. Shi A

HEEBNER 4094-811

Sh. Blk. Carb.

LS. wt. Foss. Sub.

Sh. Ltg.

Sh. Ltg. Mid. Foss. Sub. Rd.

Sh. Rd.

LS. wt. Foss. VSh. Calcitic VSh. A

Sh. Rd.

LANSING 4192-859

LS. Ltg. Shi. Foss.

LS. wt. Shi. Foss. Foss. Pr. Vg. p. Tr. Blk. Terry SW

Sh. Rd. Silty. sdy.

LS. Ltg. VSh. Foss.

Sh. Rd.

Δ Orange

LS. wt. Foss. Shi. Chly.

LS. wt. VSh. Foss. Shi. Chly.

Sh. Rd.

Sh. Rd.

LS. wt. Shi. Foss. Shi. Calcitic

LS. To Lg. Shi. Foss. Shi. A VSh. Calcitic

LS. wt. Shi. Foss. Shi. Chly.

4200

V L06

MUNKIE CREEK 4271-988

Sh. Blk.

Sh. Rd.

LS. wt. Ltg. Shi. Foss.

LS. wt. VSh. Foss. Shi. Chly.

TORONTO

4300

Sh. DKg.

LS. Tan. VSh Foss. P. Vis. p.
Sed Bl DKBl dd SH.

Sh. Rd

LS. wl. Sh Foss. Sil. A

LS. wl. Foss. Sil. A. Sil. Colitic

STARK 4343-1060

Sh. Rd.

LS. Tan. Vg. VSh. Foss.

VIS: 67

Sh. DKg.

WT: 93

Sh. Lt. Blue. Gy.

WL: 9.6

CNL: 5000

LS. Llg. Sil. Foss.

4400

DST

(2)

B/KC 4401-1118

Sh.

VLOG

MARMATON 4412-1129LS. Tan. Foss. P. Vis. p.
DK Bl. BLE. SH. SSED. No. odor.

Sh. DE. Rd.

ALTAMONT 4435-1152

VLOG

Sh. Lt. Rd.

LS. Gy. VSh. Foss.

ALTA. 'B' 4458-1175

Sh. Rd.

DST

(3)

VIS: 51

WT: 9.1

Coaral. Colonial. Corral. Clr. Foss. Mat. Clr.
LS. Tan. Foss. Caliche No. odor

WL: 8.8

CNL: 5200

Sh. Rd. Lt.

ALTA. 'C' 4479-1191LS. Tan. Foss. Col. P. Vis. p.
Bl. Spth. Sat. SH. VSSFO
LS. Tan. Sil. Foss. Sil. A. P. Vis. p. No. odor
DK Bl. SH. VSSFO. Dull. Flour.

LS. Llg. VSh. Foss.

4500

DST

(4)

Sh. Rd. Lt.

DST (2) 4397-44651st OPEN: Blow built to 3/4"2nd OPEN: No Blow

30-60-45-75

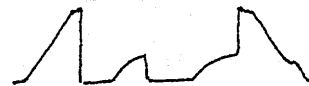
Rec. 5' Mud

FP: 12-14 14-16"

SID: 813-806 * Temp. 124° F

Tool Sample:

100% Mud

**DST (3) 4469-4485**1st OPEN: Blow Built to 3/4"2nd OPEN: " " " 1/4"

30-60-45-75

Rec. 4' VSOEM (2% Oil, 98% M)

FP: 12-12 13-13"

SID: 156-148 * Temp. 124° F

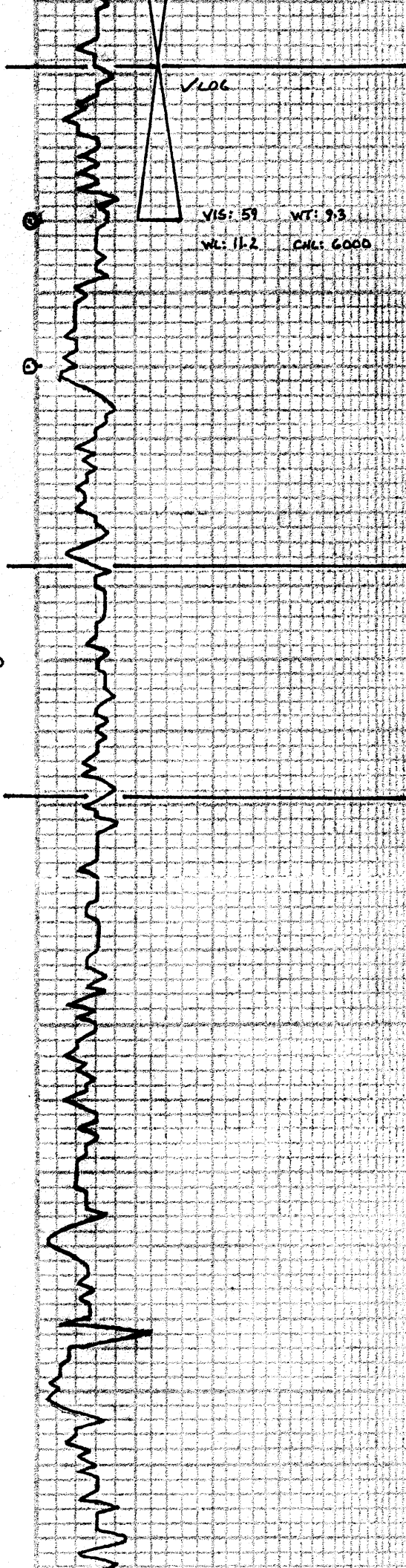
Tool Sample:

10% Oil 90% Mud

**DST (4) 4498-4540**1st OPEN: Blow built to 1/2"2nd OPEN: No Blow

30-60-45-75

Tool Sample:
100% Mod



Sh. DK G. L.
PAWNEE 4519-1236

LS. wt. Tn. Sh. Foss. P. Vis. ϕ
Blk. DK Bl. dd. STM. SS Fo. Fr. Cl. Floor
No odor

LS. Tn. L. Sh. Foss. col. No Vis. ϕ
Bl. Spd. STM. SS Fo. Full Flow No odor

VIS: 59 WT: 9.3
WL: 11.2 CML: GOOD

Sh. BLK
A. wt. L. G.
LS. Tn. wt. Foss. Calcitic

Sh. L. G.
LS. Bl. G. Sh. Foss.

Sh. Blk Calc.
FORT SCOTT 4587-1309

LS. Tn. V. Sh. Foss. w/ G. A Bands
A. wt. L. G. LS. Tn. Sh. Calcitic

LS. wt. Sh. Foss. Sh. Calc.
A. Blk. DK G.

CHEROKEE 4619-1336
Sh. Blk Calc.

A. DK Bl. Blk. Sh. Foss.
LS. L. G. Dar.
LS. wt. L. G. V. Sh. Calc.

LS. wt. Sh. Foss. Sh. A V. Sh. Calcitic
Sh. L. G.

LS. wt. L. G. V. Sh. Foss.
A. wt. Tn. Bl.
LS. Tn. Bl. wt. Sh.

Sd. Cl. G. Md. Calc. Sub. Rd.
Sh. Blk. G.

Sd. Cl. G. Md. Calc. Rd. Sub. Rd.
Sh. Rd. L. G.

Sh. Rd. Purple-Yellow

4600

4700

Sd. Cl. wt. Md. Co. Li. Rd. Sub. Rd.

Sh. Purple G. Yellow

Δ To Orange Weathered

Sh. Turq. Yellow Maroon

MISSISSIPPI 4767-1484

Sd. Cl. Li. Md. Sub. Rd.

Sh. Maroon Yellow Li.

Dol. G. Fossil. Sue.

LS. Rd. G. V. Sl. Fossil.

Dol. Li. G. V. Fossil. Sue.

LS. To Sl. Fossil. Sl. Δ

Dol. Li. G. Fossil.

4800

RTD 4814-1531

V. L. 06

