

12-10s-20w

15-163-23673



DIAMOND TESTING

P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313
STC 21083.D382

Page 1 of 2 Pages

Company Vess Oil Corporation Lease & Well No. Sutor "B" No. 9

Elevation 2214KB Formation Lansing "A" - "G" Effective Pay -- Ft. Ticket No. J2187

Date 1-14-08 Sec. 12 Twp. 10S Range 20W County Rooks State Kansas

Test Approved By Roger Martin Diamond Representative John C. Riedl

Formation Test No. 1 Interval Tested from 3,459 ft. to 3,564 ft. Total Depth 3,564 ft.

Packer Depth 3,454 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Packer Depth 3,459 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set -- ft.

Top Recorder Depth (Inside) 3,462 ft. Recorder Number 21083 Cap. 5,000 psi

Bottom Recorder Depth (Outside) 3,561 ft. Recorder Number 11073 Cap. 4,000 psi

Below Straddle Recorder Depth -- ft. Recorder Number -- Cap. -- psi

Drilling Contractor L. D. Drilling, Inc. - Rig 1 Drill Collar Length -- ft. I.D. -- in.

Mud Type Chemical Viscosity 46 Weight Pipe Length -- ft. I.D. -- in.

Weight 9.1 Water Loss 9.6 cc. Drill Pipe Length 3,433 ft. I.D. 3 1/2 in.

Chlorides 2,300 P.P.M. Test Tool Length 26 ft. Tool Size 3 1/2 - IF in.

Jars: Make Sterling Serial Number No. 2 Anchor Length 105 ft. Size 4 1/2 - FH in.

Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 - XH in.

Blow: 1st Open: Weak, 1 in., blow throughout.
2nd Open: Weak, 1/8 in., blow throughout.

Recovered 30 ft. of very slightly oil cut gassy mud = .307800 bbls. (Grind out: 1%-oil; 5%-gas; 94%-mud)

Recovered -- ft. of --

Recovered -- ft. of --

Recovered -- ft. of --

Recovered -- ft. of --

Remarks --

Time Set Packer(s) 9:11 ~~P.M.~~ ^{A.M.} Time Started Off Bottom 12:11 ~~P.M.~~ ^{A.M.} Maximum Temperature 97°

Initial Hydrostatic Pressure (A) 1701 P.S.I.

Initial Flow Period Minutes 30 (B) 14 P.S.I. to (C) 21 P.S.I.

Initial Closed In Period Minutes 45 (D) 566 P.S.I.

Initial Flow Period Minutes 45 (E) 21 P.S.I. to (F) 28 P.S.I.

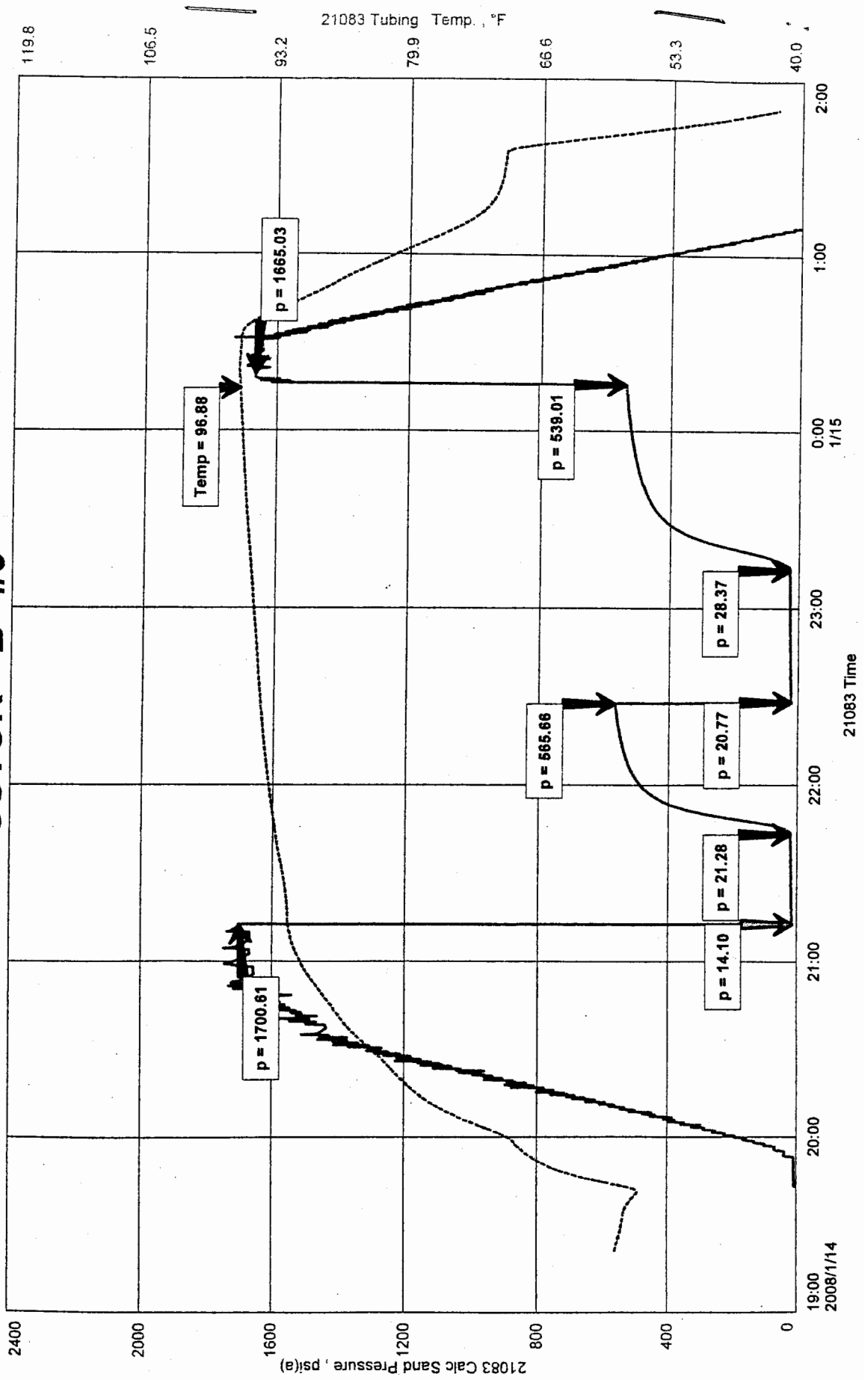
Initial Closed In Period Minutes 60 (G) 539 P.S.I.

Final Hydrostatic Pressure (H) 1665 P.S.I.

VESS OIL CORP
DST #1 3459 TO 3564
Start Test Date: 2008/01/14
Final Test Date: 2008/01/15

SUTOR "B" #9
Formation: LANS "A-G"
Job Number: D382

SUTOR "B" #9





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STC 21083.D 383

Company Vess Oil Corporation Lease & Well No. Sutor "B" No. 9

Elevation 2214KB Formation Kansas City "H" - "L" Effective Pay Ft. Ticket No. J2188

Date 1-15-08 Sec. 12 Twp. 10S Range 20W County Rooks State Kansas

Test Approved By Roger Martin Diamond Representative John C. Riedl

Formation Test No. 2 Interval Tested from 3,582 ft. to 3,700 ft. Total Depth 3,700 ft.

Packer Depth 3,577 ft. Size 6 3/4 in. Packer Depth ft. Size in.

Packer Depth 3,582 ft. Size 6 3/4 in. Packer Depth ft. Size in.

Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 3,585 ft. Recorder Number 21083 Cap. 5,000 psi

Bottom Recorder Depth (Outside) 3,697 ft. Recorder Number 11073 Cap. 4,000 psi

Below Straddle Recorder Depth ft. Recorder Number Cap. psi

Drilling Contractor L. D. Drilling, Inc. - Rig 1 Drill Collar Length ft. I.D. in.

Mud Type Chemical Viscosity 56 Weight Pipe Length ft. I.D. in.

Weight 9.0 Water Loss 8.8 cc. Drill Pipe Length 3,562 ft. I.D. 3 1/2 in.

Chlorides 2,500 P.P.M. Test Tool Length 20 ft. Tool Size 3 1/2 - IF in.

Jars: Make Sterling Serial Number No. 2 Anchor Length 118 ft. Size 4 1/2 - FH in.

Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 - XH in.

Blow: 1st Open: Strong blow. Off bottom of bucket in 5 mins. Weak blow back during shut-in.

2nd Open: Strong blow. Off bottom of bucket in 25 mins. Weak blow back during shut-in.

Recovered 80 ft. of gas in pipe

Recovered 20 ft. of free oil = .205200 bbls.

Recovered 200 ft. of very slightly oil cut watery mud = 2.052000 bbls. (Grind out: 3%-oil; 45%-water; 52%-mud)

Recovered 250 ft. of very slightly oil cut water = 2.565000 bbls. (Grind out: 2%-oil; 98%-water)

Recovered 190 ft. of water = 1.949400 bbls. (Chlorides: 22,000 Ppm)

Recovered 660 ft. of TOTAL FLUID = 6.771600 bbls.

Remarks

Time Set Packer(s) 6:36 ^{XX.}P.M. Time Started Off Bottom 9:36 ^{XX.}P.M. Maximum Temperature 106°

Initial Hydrostatic Pressure (A) 1800 P.S.I.

Initial Flow Period Minutes 30 (B) 32 P.S.I. to (C) 216 P.S.I.

Initial Closed In Period Minutes 45 (D) 553 P.S.I.

Final Flow Period Minutes 45 (E) 223 P.S.I. to (F) 313 P.S.I.

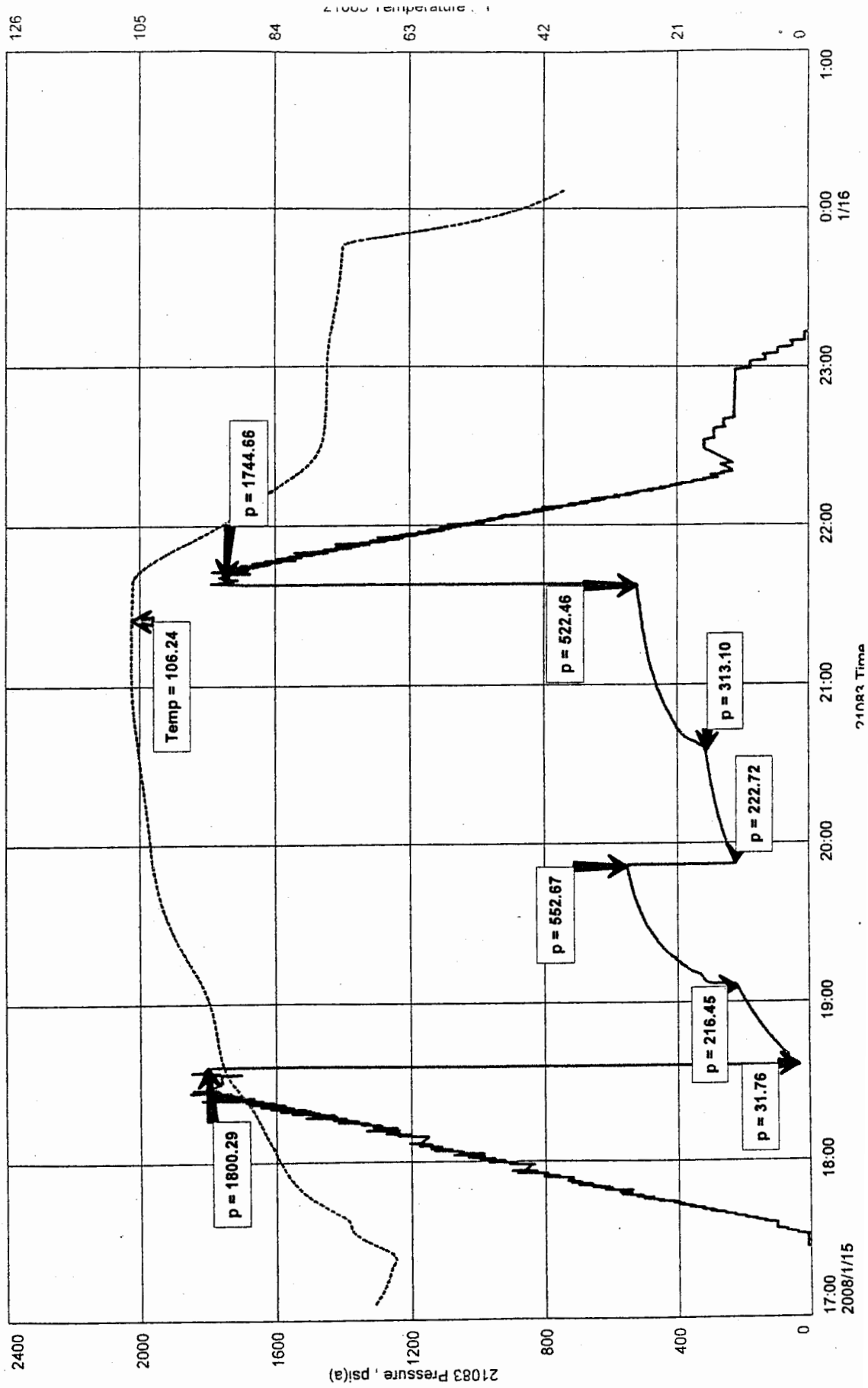
Final Closed In Period Minutes 60 (G) 522 P.S.I.

Final Hydrostatic Pressure (H) 1745 P.S.I.

SUTOR "B" #1
 Formation: K C "H"
 Job Number: D31

SUTOR "B" #9

VESS OIL CORP
 DST #2 3582 TO 3700
 Start Test Date: 2008/01/15
 Final Test Date: 2008/01/16





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STC 21083.D 384

Company Vess Oil Corporation Lease & Well No. Sutor "B" No. 9

Elevation 2214KB Formation Arbuckle Effective Pay Ft. Ticket No. J2189

Date 1-16-08 Sec. 12 Twp. 10S Range 20W County Rooks State Kansas

Test Approved By Roger Martin Diamond Representative John C. Riedl

Formation Test No. 3 Interval Tested from 3,681 ft. to 3,771 ft. Total Depth 3,771 ft.

Packer Depth 3,676 ft. Size 6 3/4 in. Packer Depth ft. Size in.

Packer Depth 3,681 ft. Size 6 3/4 in. Packer Depth ft. Size in.

Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 3,684 ft. Recorder Number 21083 Cap. 5,000 psi

Bottom Recorder Depth (Outside) 3,768 ft. Recorder Number 11073 Cap. 4,000 psi

Below Straddle Recorder Depth ft. Recorder Number Cap. psi

Drilling Contractor L. D. Drilling, Inc. - Rig 1 Drill Collar Length ft. I.D. in.

Mud Type Chemical Viscosity 54 Weight Pipe Length ft. I.D. in.

Weight 9.2 Water Loss 9.2 cc. Drill Pipe Length 3,655 ft. I.D. 3 1/2 in.

Chlorides 2,500 P.P.M. Test Tool Length 26 ft. Tool Size 3 1/2 - IF in.

Jars: Make Sterling Serial Number No. 2 Anchor Length 90 ft. Size 4 1/2 - FH in.

Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 - XH in.

Blow: 1st Open: Strong blow. Off bottom of bucket in 3 3/4 mins. Weak blow back during shut-in.

2nd Open: Strong blow. Off bottom of bucket in 6 1/2 mins. No blow back during shut-in.

Recovered 390 ft. of slightly oil & water cut mud = 4.001400 bbls. (Grind out: 3%-oil; 10%-water; 87%-mud)

Recovered 250 ft. of very slightly oil cut watery mud = 2.565000 bbls. (Grind out: 1%-oil; 25%-water; 74%-mud)

Recovered 560 ft. of water = 5.745600 bbls. (Chlorides: 26,000 Ppm) Resistivity: .32 @ 60°

Recovered 1,200 ft. of TOTAL FLUID = 12.312000 bbls.

Recovered ft. of

Remarks Slid 6 ft. to bottom when tool opened.

Time Set Packer(s) 3:10 ^{AXM.} P.M. Time Started Off Bottom 6:10 ^{AXM.} P.M. Maximum Temperature 110°

Initial Hydrostatic Pressure (A) 1862 P.S.I.

Initial Flow Period Minutes 30 (B) 42 P.S.I. to (C) 311 P.S.I.

Initial Closed In Period Minutes 45 (D) 806 P.S.I.

Final Flow Period Minutes 45 (E) 322 P.S.I. to (F) 567 P.S.I.

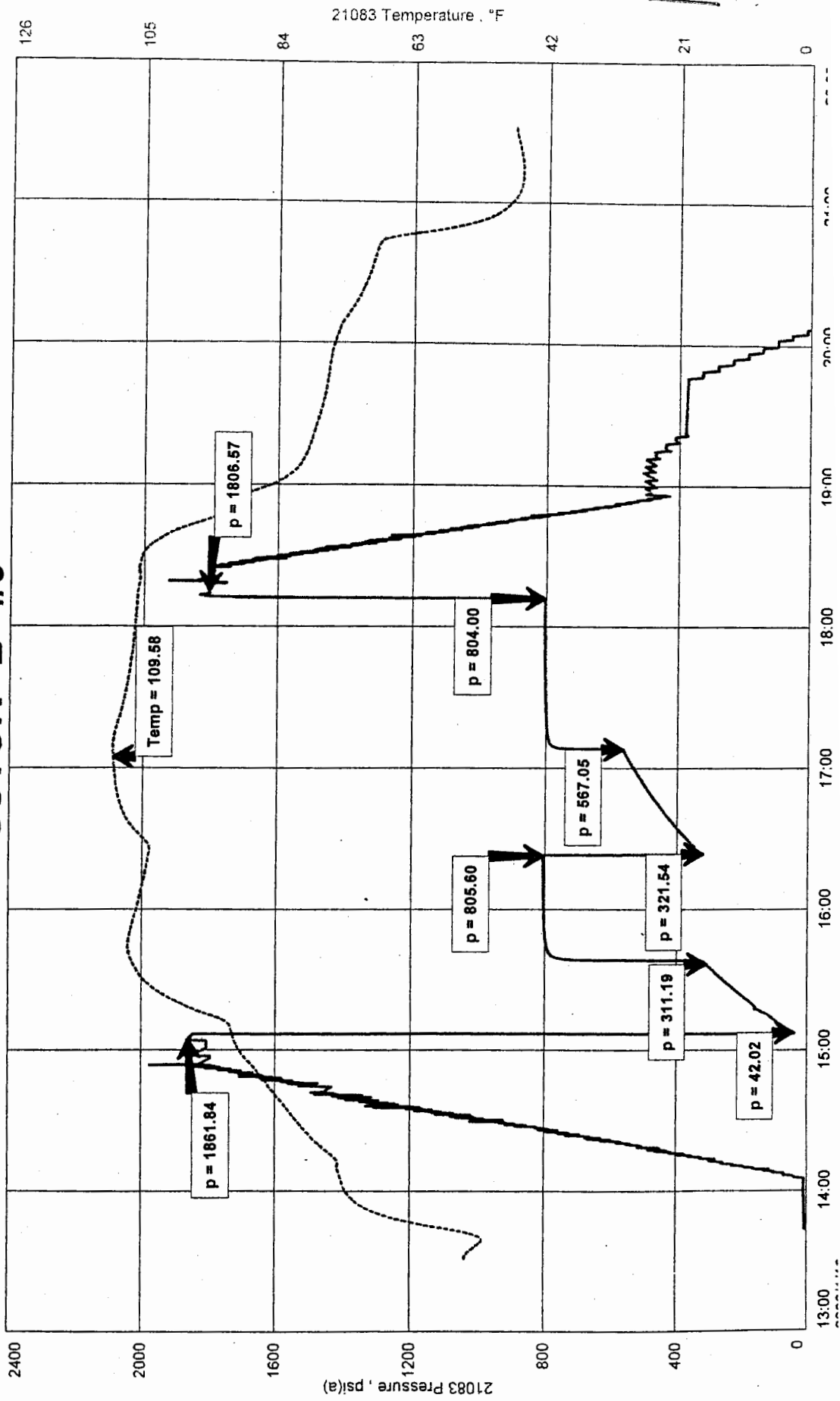
Final Closed In Period Minutes 60 (G) 804 P.S.I.

Final Hydrostatic Pressure (H) 1807 P.S.I.

VESS OIL CORP
DST #3 3681 TO 3771
Start Test Date: 2008/01/16
Final Test Date: 2008/01/16

SUTOR "B" #9

SUTOR "B" #9
Formation: ARBUCKLE
Job Number: D384





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 STC 21083.D 385

Company Vess Oil Corporation Lease & Well No. Sutor "B" No. 9

Elevation 2214KB Formation Arbuckle Effective Pay -- Ft. Ticket No. J2190

Date 1-17-08 Sec. 12 Twp. 10S Range 20W County Rooks State Kansas

Test Approved By Roger Martin Diamond Representative John C. Riedl

Formation Test No. 4 Interval Tested from 3,774 ft. to 3,784 ft. Total Depth 3,784 ft.

Packer Depth 3,769 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Packer Depth 3,774 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 3,762 ft. Recorder Number 21083 Cap. 5,000 psi

Bottom Recorder Depth (Outside) 3,781 ft. Recorder Number 11073 Cap. 4,000 psi

Below Straddle Recorder Depth ft. Recorder Number Cap. psi

Drilling Contractor L. D. Drilling, Inc. - Rig 1 Drill Collar Length -- ft. I.D. -- in.

Mud Type Chemical Viscosity 52 Weight Pipe Length -- ft. I.D. -- in.

Weight 9.2 Water Loss 9.0 cc. Drill Pipe Length 3,744 ft. I.D. 3 1/2 in.

Chlorides 2,700 P.P.M. Test Tool Length 30 ft. Tool Size 3 1/2 - IF in.

Jars: Make Sterling Serial Number No. 2 Anchor Length 10 ft. Size 4 1/2 - FH in.

Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 - XH in.

Blow: 1st Open: Strong blow. Off bottom of bucket in 1 3/4 mins. No blow back during shut-in.

2nd Open: Strong blow. Off bottom of bucket in 3 1/2 mins. Weak blow back during shut-in.

Recovered 45 ft. of mud & water cut oil = .461700 bbls. (Grind out: 10%-mud; 25%-water; 65%-oil) Gravity: 24 @ 60°

Recovered 60 ft. of oil & mud cut water = .615600 bbls. (Grind out: 15%-oil; 40%-mud; 45%-water)

Recovered 120 ft. of oil & mud cut water = 1.231200 bbls. (Grind out: 10%-oil; 25%-mud; 65%-water)

Recovered 370 ft. of oil cut water = 3.796200 bbls. (Grind out: 5%-oil; 95%-water)

Recovered 310 ft. of slightly oil cut water = 3.180600 bbls. (Grind out: 2%-oil; 98%-water)

Recovered 870 ft. of water = 8.926200 bbls. (Chlorides: 16,000 Ppm Resistivity: .48 @ 60°)

Recovered 1,775 ft. of TOTAL FLUID = 18.211500 bbls.

Remarks

Time Set Packer(s) 6:35 ~~P.M.~~ ^{A.M.} Time Started Off Bottom 9:35 ~~P.M.~~ ^{A.M.} Maximum Temperature 112°

Initial Hydrostatic Pressure (A) 1878 P.S.I.

Initial Flow Period Minutes 30 (B) 72 P.S.I. to (C) 546 P.S.I.

Initial Closed In Period Minutes 45 (D) 928 P.S.I.

Final Flow Period Minutes 45 (E) 563 P.S.I. to (F) 802 P.S.I.

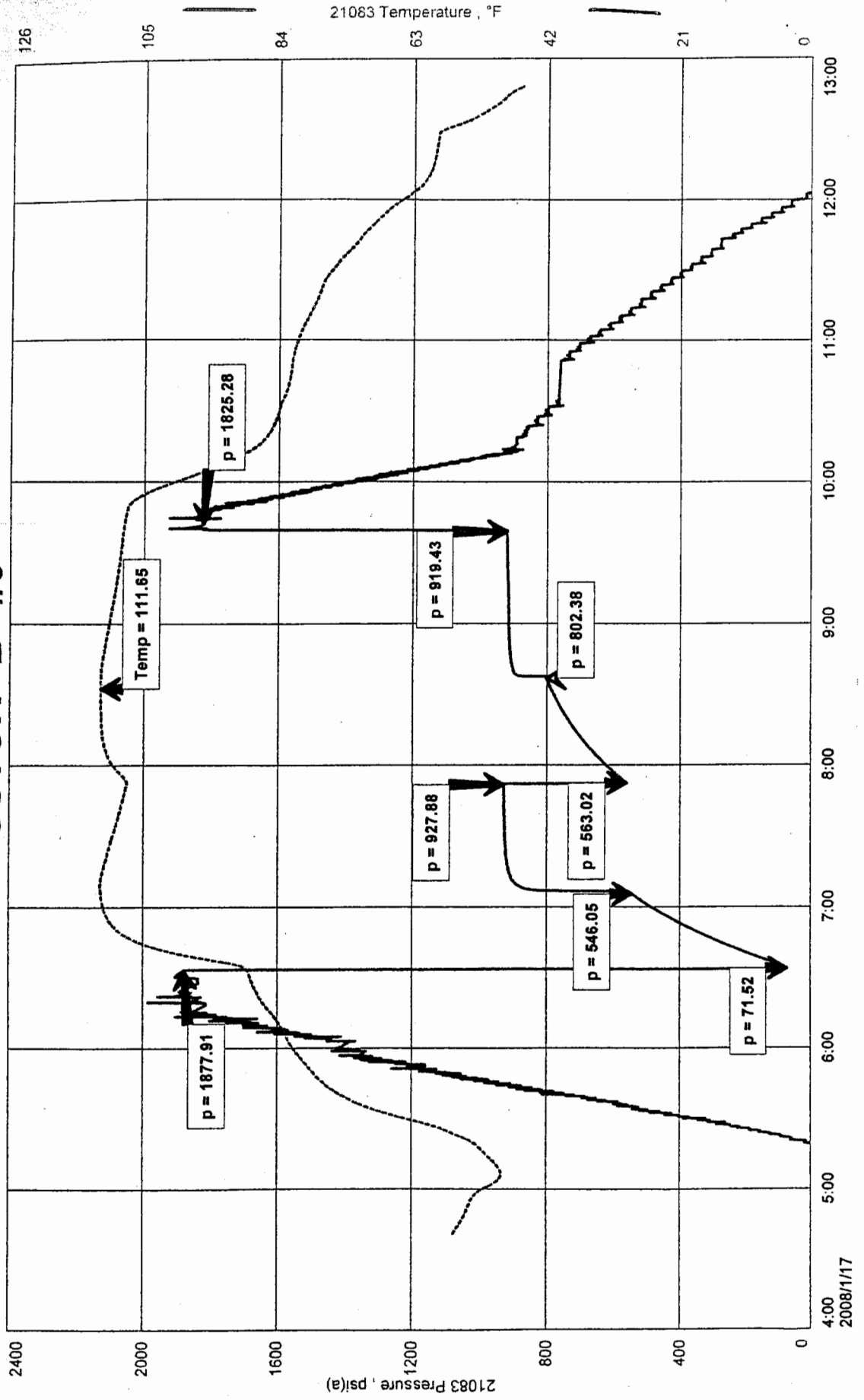
Final Closed In Period Minutes 60 (G) 919 P.S.I.

Final Hydrostatic Pressure (H) 1825 P.S.I.

VESS OIL CORP
DST #4 3774 TO 3784
Start Test Date: 2008/01/17
Final Test Date: 2008/01/17

SUTOR "B" #9

SUTOR "B" #9
Formation: ARBUCKLE
Job Number: D385





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STC 21083.D 386

Company Vess Oil Corporation Lease & Well No. Sutor "B" No. 9

Elevation 2214KB Formation Arbuckle Effective Pay Ft. Ticket No. J2191

Date 1-17-08 Sec. 12 Twp. 10S Range 20W County Rooks State Kansas

Test Approved By Roger Martin Diamond Representative John C. Riedl

Formation Test No. 5 Interval Tested from 3,787 ft. to 3,793 ft. Total Depth 3,793 ft.

Packer Depth 3,782 ft. Size 6 3/4 in. Packer Depth ft. Size in.

Packer Depth 3,787 ft. Size 6 3/4 in. Packer Depth ft. Size in.

Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 3,773 ft. Recorder Number 21083 Cap. 5,000 psi

Bottom Recorder Depth (Outside) 3,790 ft. Recorder Number 11073 Cap. 4,000 psi

Below Straddle Recorder Depth ft. Recorder Number Cap. psi

Drilling Contractor L. D. Drilling, Inc. - Rig 1 Drill Collar Length ft. I.D. in.

Mud Type Chemical Viscosity 52 Weight Pipe Length ft. I.D. in.

Weight 9.2 Water Loss 8.8 cc. Drill Pipe Length 3,757 ft. I.D. 3 1/2 in.

Chlorides 2,700 P.P.M. Test Tool Length 30 ft. Tool Size 3 1/2 - IF in.

Jars: Make Sterling Serial Number No. 2 Anchor Length 6 ft. Size 4 1/2 - FH in.

Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 - XH in.

Blow: 1st Open: Strong blow. Off bottom of bucket in 1 min. No blow back during shut-in.

2nd Open: Strong blow. Off bottom of bucket in 3 1/2 mins., then decreasing and dead in 30 mins. No blow back during shut-in.

Recovered 2,250 ft. of water = 23.085000 bbls. (Chlorides: 19,000 Ppm Resistivity: .45 @ 55°)

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks

Time Set Packer(s) 11:15 ~~P.M.~~ ^{A.M.} Time Started Off Bottom 2:15 ~~P.M.~~ ^{A.M.} Maximum Temperature 112°

Initial Hydrostatic Pressure (A) 1848 P.S.I.

Initial Flow Period Minutes 30 (B) 260 P.S.I. to (C) 919 P.S.I.

Initial Closed In Period Minutes 45 (D) 962 P.S.I.

Final Flow Period Minutes 45 (E) 927 P.S.I. to (F) 963 P.S.I.

Final Closed In Period Minutes 60 (G) 964 P.S.I.

Final Hydrostatic Pressure (H) 1823 P.S.I.

SUTOR "B" #
 Formation: ARBUCKLE
 Job Number: D38t

SUTOR "B" #9

VESS OIL CORP
 DST #5 3786 TO 3793
 Start Test Date: 2008/01/17
 Final Test Date: 2008/01/18

