

DIAMOND TESTING

P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313
STC 21

KCC

JUL 13 2004

CONFIDENTIAL of 3 Pages

RELEASED FROM CONFIDENTIAL

Company Vess Oil Corporation Lease No. Berryman-Denton Unit No. 1
Elevation 2246 KB Formation Arbuckle -- Ft. Ticket No. 1866
Date 5-3-04 Sec. 12 Twp. 32S Range 24W County Clark State Kansas
Test Approved By Kim B. Shoemaker Diamond Representative Roger D. Friedly

Formation Test No. 6 Interval Tested from 6,700 ft. to 6,718 ft. Total Depth 6,718 ft.
Packer Depth 6,695 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.
Packer Depth 6,700 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set -- ft.
Top Recorder Depth (Inside) 6,681 ft. Recorder Number Elec. Cap. 5,000 psi
Bottom Recorder Depth (Outside) 6,715 ft. Recorder Number 13387 Cap. 4,000 psi
Below Straddle Recorder Depth -- ft. Recorder Number -- Cap. -- psi

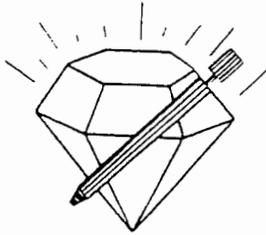
Drilling Contractor VAL Energy, Inc. - Rig 2 Drill Collar Length 180 ft. I.D. 2 1/4 in.
Mud Type Chemical Viscosity 74 Weight Pipe Length -- ft. I.D. -- in.
Weight 9.2 Water Loss 9.6 cc. Drill Pipe Length 6,488 ft. I.D. 3 1/2 in.
Chlorides 4,800 P.P.M. Test Tool Length 32 ft. Tool Size 3 1/2 - IF in.
Jars: Make Bowen Serial Number DJ No. 1 Anchor Length 18 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, 1/2 in., blow. Decreasing in 20 mins. to a weak surface blow at end. No blow back during shut-in.
2nd Open: No blow. No blow back during shut-in.

Recovered 140 ft. of drilling mud with a trace of water = .874400 bbls. (Grind out: 100%-drilling mud)
Recovered 60 ft. of watery mud = .295200 bbls. (Grind out: 40%-water; 60%-drilling mud)
Recovered 200 ft. of TOTAL FLUID = 1.169600 bbls.
Recovered -- ft. of --
Recovered -- ft. of --
Remarks Tool Sample Grind Out: 2%-oil; 38%-water; 60%-drilling mud

RECEIVED
JUL 15 2004
KCC WICHITA

Time Set Packer(s) 10:10 A.M. Time Started Off Bottom 1:10 P.M. Maximum Temperature 135°
Initial Hydrostatic Pressure (A) 3256 P.S.I.
Initial Flow Period Minutes 30 (B) 77 P.S.I. to (C) 98 P.S.I.
Initial Closed In Period Minutes 45 (D) 1522 P.S.I.
Initial Flow Period Minutes 45 (E) 102 P.S.I. to (F) 105 P.S.I.
Initial Closed In Period Minutes 60 (G) 1274 P.S.I.
Initial Hydrostatic Pressure (H) 3161 P.S.I.



DIAMOND TESTING  
P. O. Box 157  
HOISINGTON, KANSAS 67544  
(800) 542-7313

Page 2 of 3 Pages

FLUID SAMPLE DATA

Company Vess Oil Corporation  
Lease & Well No. Berryman-Denton Unit No. 1  
Date 5-3-04 Sec. 12 Twp. 32 S Range 24 W  
Formation Test No. 6 Interval Tested From 6,700 ft. to 6,718 ft. Total Depth 6,718 ft.  
Formation Arbuckle

|            | MUD PIT       | RECOVERY       |                           |
|------------|---------------|----------------|---------------------------|
| Viscosity  | <u>74</u> CP  | <u>43</u> CP   |                           |
| Weight     | <u>9.2</u>    | <u>9.2</u>     |                           |
| Water Loss | <u>9.6</u> CC | <u>16.0</u> CC |                           |
| PH Factor  | <u>10.0</u>   | <u>10.0</u>    | <b>Tool</b><br><u>7.5</u> |

|                         | RESISTIVITY                 | CHLORIDE CONTENT  |
|-------------------------|-----------------------------|-------------------|
| Recovery Water          | <u>.22</u> @ <u>78</u> °F.  | <u>28,000</u> ppm |
| Recovery Mud            | <u>.38</u> @ <u>77</u> °F.  | <u>12,500</u> ppm |
| Recovery Mud Filtrate   | <u>.42</u> @ <u>78</u> °F.  | <u>12,000</u> ppm |
| Mud Pit Sample          | <u>1.10</u> @ <u>70</u> °F. | <u>5,400</u> ppm  |
| Mud Pit Sample Filtrate | <u>1.25</u> @ <u>74</u> °F. | <u>5,000</u> ppm  |

Sample Taken By ROGER D. FRIEDLY

Witness By Kim B. Shoemaker

Remarks Pit filtrate triton dish chlorides were 4,800 Ppm.  
Recovery filtrate triton dish chlorides were 11,000 Ppm.  
Recovery water dish chlorides were 23,000 Ppm.

## GENERAL INFORMATION

### Client Information:

Company: VESS OIL CORP

Contact: BILL HORIGAN

Phone: Fax: e-mail:

### Site Information:

Contact: KIM SHOEMAKER

Phone: Fax: e-mail:

### Well Information:

Name: BERRYMAN-DENTON UNIT 1

Operator: VESS OIL CORP

Location-Downhole: DST #6 ARB 6,700'-6,718'

Location-Surface: SEC 12-32S-24W CLARK, COUNTY

### Test Information:

Company: DIAMOND TESTING

Representative: ROGER D. FRIEDLY

Supervisor: KIM SHOEMAKER

Test Type: CONVENTIONAL Job Number:

Test Unit: NO 1

Start Date: 2004/05/03 Start Time: 06:19:00

End Date: 2004/05/03 End Time: 17:41:30

Report Date: Prepared By:

Remarks: Qualified By:

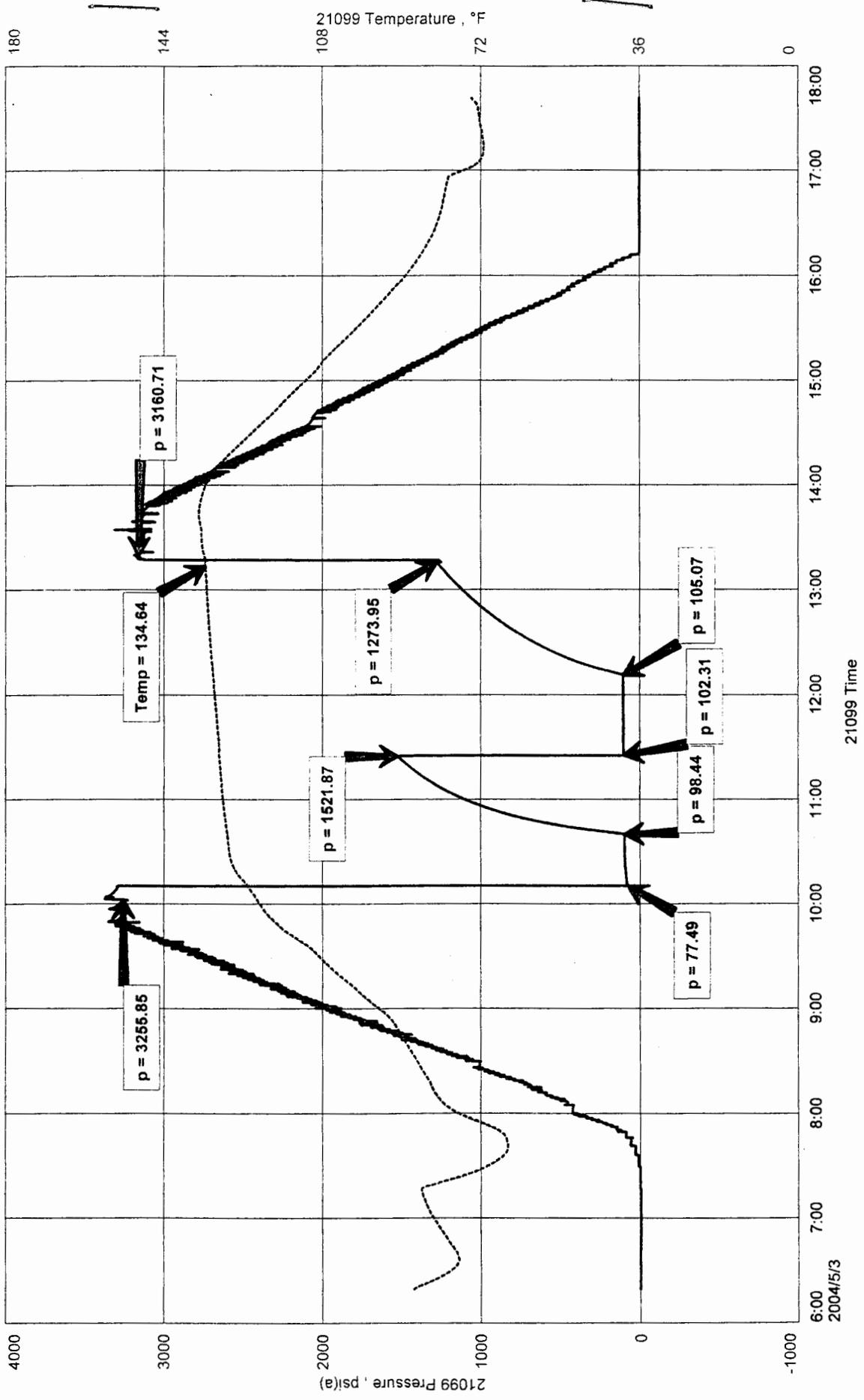
RECOVERED 140' DM (TRACE OF WTR 100% DM), 60' WM (40% WTR, 60% MUD)  
TOOL SAMPLE 2% OIL, 38% WTR, 60%DM)

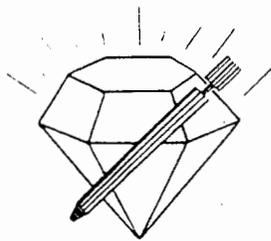
VESS OIL CORP

DST #6 ARB 6,700'-6,718'  
Start Test Date: 2004/05/03  
Final Test Date: 2004/05/03

BERRYMAN-DENTON UNIT 1  
Formation: DST #6 ARB 6,700'-6,718'  
Pool: WILDCAT

# BERRYMAN-DENTON UNIT 1





DIAMOND TESTING

P.O. Box 157

WICHITA, KANSAS 67544  
(620) 653-7550 • (800) 542-7313  
STC 21099.D20

KCC

JUL 13 2004

Page 1 of 9 Pages  
CONFIDENTIAL

Company Vess Oil Corporation Lease & Well No. Berryman-Denton Unit No. 1  
Elevation 2246 KB Formation Arbuckle Effective Pay 8 Ft. Ticket No. 1865  
Date 5-1-04 Sec. 12 Twp. 32S Range 24W County Clark State Kansas  
Test Approved By Kim B. Shoemaker Diamond Representative Roger D. Friedly

Formation Test No. 5 Interval Tested from 6,681 ft. to 6,698 ft. Total Depth 6,698 ft.  
Packer Depth 6,676 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.  
Packer Depth 6,681 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.  
Depth of Selective Zone Set          ft.

Top Recorder Depth (Inside) 6,662 ft. Recorder Number Elec. Cap. 5,000 psi  
Bottom Recorder Depth (Outside) 6,695 ft. Recorder Number 13387 Cap. 4,000 psi  
Below Straddle Recorder Depth          ft. Recorder Number          Cap.          psi

Drilling Contractor VAL Energy, Inc. - Rig 2 Drill Collar Length 180 ft. I.D. 2 1/4 in.  
Mud Type Chemical Viscosity 54 Weight Pipe Length -- ft. I.D. -- in.  
Weight 9.25 Water Loss 9.2 cc. Drill Pipe Length 6,469 ft. I.D. 3 1/2 in.  
Chlorides 4,200 P.P.M. Test Tool Length 32 ft. Tool Size 3 1/2 - IF in.  
Jars: Make Bowen Serial Number DJ No. 1 Anchor Length 17 ft. Size 4 1/2 - FH in.  
Did Well Flow? No Reversed Out Yes 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.

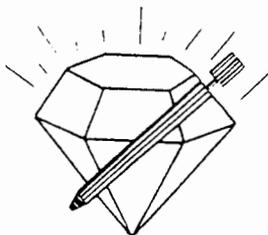
Blow: 1st Open: Strong blow. Off bottom of bucket immediately. Gas to surface in 8 mins. Strong blow back off bottom of bucket during shut-in. (SEE GAS VOLUME REPORT)  
2nd Open: Strong blow. Off bottom of bucket in 1 min. Strong blow back off bottom of bucket during shut-in. (SEE GAS VOLUME REPORT)

Recovered 5,680 ft. of clean gassy oil = 80.099200 bbls. (Gravity: 37 @ 60°)  
Recovered 60 ft. of slightly gassy water & heavy oil cut mud = .295200 bbls. (Grind out: 4%-gas; 4%-water; 47%-oil; 45%-mud)  
Recovered 60 ft. of slightly watery gas & heavy oil cut mud = .295200 bbls. (Grind out: 8%-water; 21%-gas; 31%-oil; 40%-mud)  
Recovered 5,800 ft. of TOTAL FLUID = 80.689600 bbls.

Recovered          ft. of           
Remarks Tool Sample Grind Out: 10%-gas; 90%-oil

RECEIVED  
JUL 15 2004  
KCC WICHITA

Time Set Packer(s) 11:05 ~~P.M.~~ <sup>A.M.</sup> Time Started Off Bottom 2:05 ~~P.M.~~ <sup>A.M.</sup> Maximum Temperature 150°  
Initial Hydrostatic Pressure 3245 P.S.I. (A)  
Initial Flow Period 30 Minutes (B) 314 P.S.I. to (C) 772 P.S.I.  
Initial Closed In Period 45 Minutes (D) 2161 P.S.I.  
Final Flow Period 45 Minutes (E) 822 P.S.I. to (F) 1423 P.S.I.  
Final Closed In Period 60 Minutes (G) 2078 P.S.I.  
Final Hydrostatic Pressure 3130 P.S.I. (H)



**DIAMOND TESTING**  
P. O. Box 157  
HOISINGTON, KANSAS 67544  
(800) 542-7313

**FLUID SAMPLE DATA**

Company Vess Oil Corporation  
Lease & Well No. Berryman-Denton Unit No. 1  
Date 5-1-04 Sec. 12 Twp. 32 S Range 24 W  
Formation Test No. 5 Interval Tested From 6,681 ft. to 6,698 ft. Total Depth 6,698 ft.  
Formation Arbuckle

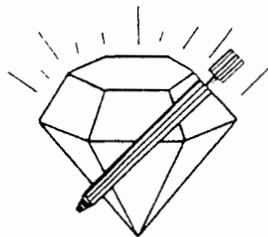
|            | <u>MUD PIT</u> | <u>RECOVERY</u> |
|------------|----------------|-----------------|
| Viscosity  | <u>54</u> CP   | <u>--</u> CP    |
| Weight     | <u>9.25</u>    | <u>--</u>       |
| Water Loss | <u>9.2</u> CC  | <u>--</u> CC    |
| PH Factor  | <u>10.0</u>    | <u>--</u>       |

|                         | <u>RESISTIVITY</u>          | <u>CHLORIDE CONTENT</u> |
|-------------------------|-----------------------------|-------------------------|
| Recovery Water          | <u>--</u> @ <u>--</u> °F.   | <u>--</u> ppm           |
| Recovery Mud            | <u>--</u> @ <u>--</u> °F.   | <u>--</u> ppm           |
| Recovery Mud Filtrate   | <u>--</u> @ <u>--</u> °F.   | <u>--</u> ppm           |
| Mud Pit Sample          | <u>1.30</u> @ <u>68</u> °F. | <u>5,000</u> ppm        |
| Mud Pit Sample Filtrate | <u>1.40</u> @ <u>70</u> °F. | <u>4,400</u> ppm        |

Sample Taken By ROGER D. FRIEDLY

Witness By Kim B. Shoemaker

Remarks Pit filtrate triton dish chlorides were 4,200 Ppm.



**DIAMOND TESTING**  
 P. O. Box 157  
 HOISINGTON, KANSAS 67544  
 (316) 653-7550

**GAS VOLUME REPORT**

Company Vess Oil Corporation Lease & Well No. Berryman-Denton Unit No. 1  
 Date 5-1-04 Sec. 12 Twp. 32 S Rge. 24 W Location 2600' FSL & 1600' FWL, SEC County Clark State KS  
 Drilling Contractor VAL Energy, Inc. - Rig 2 Formation Arbuckle DST No. 5  
 Remarks: 1st Open: Gas to surface in 8 mins. Burned nicely.

**INITIAL FLOW**

Open Tool: 11:05 a.m.

| Time O'Clock | Orifice Size | Gauge  | CF/D    |
|--------------|--------------|--------|---------|
| 11:20 a.m.   | 1½ in.       | 6½ in. | 107,000 |
| 11:25 a.m.   | 1½ in.       | 3½ in. | 78,500  |
|              |              |        |         |
|              |              |        |         |
|              |              |        |         |
|              |              |        |         |
|              |              |        |         |
|              |              |        |         |
|              |              |        |         |
|              |              |        |         |

\*

**FINAL FLOW**

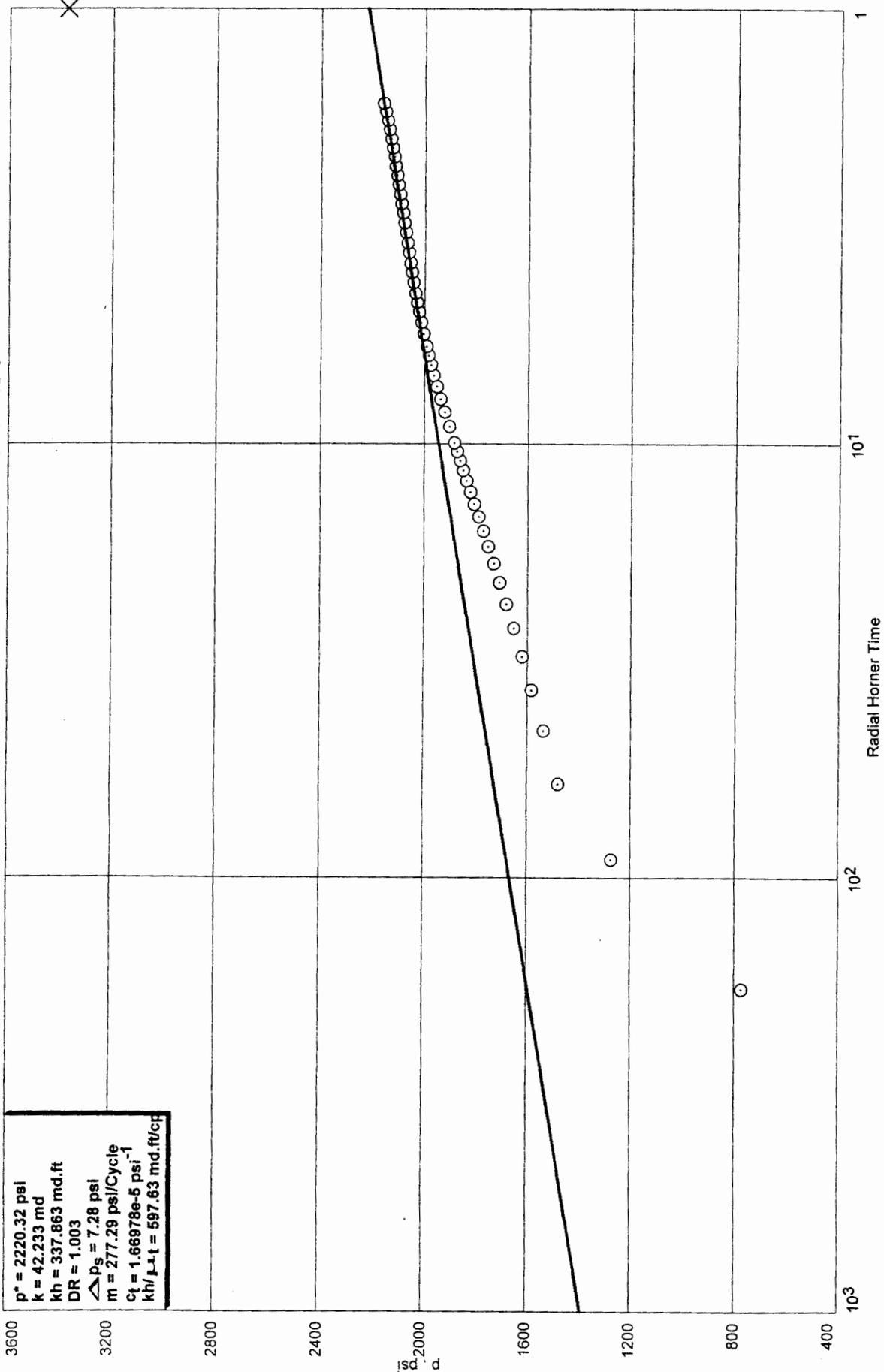
Open Tool: 12:20 p.m.

| Time O'Clock | Orifice Size | Gauge  | CF/D  |
|--------------|--------------|--------|-------|
| 12:50 p.m.   | 1/8 in.      | 6 in.  | 1,340 |
| 12:55 p.m.   | 1/8 in.      | 30 in. | 2,890 |
| 1:00 p.m.    | ½ in.        | 13 in. | 6,100 |
| 1:05 p.m.    | ½ in.        | 20 in. | 7,510 |
|              |              |        |       |
|              |              |        |       |
|              |              |        |       |
|              |              |        |       |
|              |              |        |       |
|              |              |        |       |

\* Stopped reading for possible oil flow.

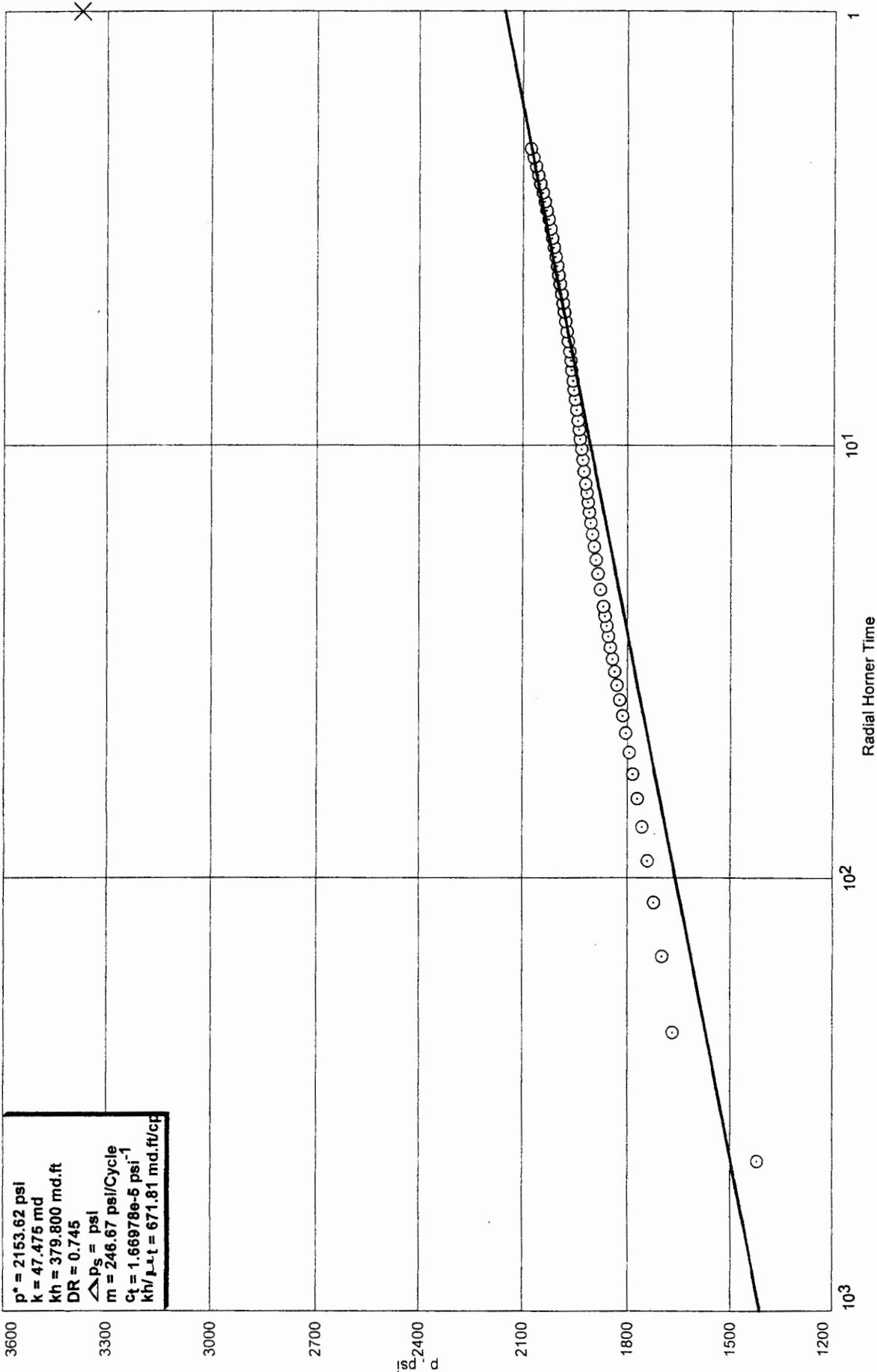
VESS OIL CORP  
 BERRYMAN-DENTON UNIT 1  
 DST #5 ARB 6,691'-6,698'

# HORNER DST #5 INITIAL SHUT-IN



VESS OIL CORP  
 BERRYMAN-DENTON UNIT 1  
 DST #5 ARB 6,691'-6,698'

# HORNER DST #5 FINAL SHUT-IN



# Oil Well Test - Buildup

## Radial Flow Analysis



VESS OIL CORP  
BERRYMAN-DENTON UNIT 1

DST #5 ARB 6,691'-6,698'

### Analysis Results

|                                     |                 |  |        |
|-------------------------------------|-----------------|--|--------|
| Total Sandface Rate ( $q_t B_t$ )   | 1019.151 bbl/d  | Apparent Skin ( $s'$ )                     | -3.112 |
| Semilog Slope (m)                   | 246.67          | Skin - Damage                              | -3.112 |
| Gas Permeability ( $k_G$ )          | md              | Skin - Inclination                         | 0.000  |
| Oil Permeability ( $k_O$ )          | 47.475 md       | Skin - Partial Penetration                 |        |
| Water Permeability ( $k_W$ )        | md              | Pressure Drop Due to Skin ( $\Delta p_s$ ) | psi    |
| Flow Capacity (kh)                  | 379.800 md.ft   | Damage Ratio (DR)                          | 0.745  |
| Total Mobility ( $k/\mu_t$ )        | 83.98 md/cp     | Flow Efficiency (FE)                       | 1.342  |
| Total Transmissivity ( $kh/\mu_t$ ) | 671.81 md.ft/cp |  |        |

### Reservoir Parameters

|                                     |                            |
|-------------------------------------|----------------------------|
| Net Pay (h)                         | 8.000 ft                   |
| Total Porosity ( $\phi_t$ )         | 9.00 %                     |
| Water Saturation ( $S_W$ )          | 20.00 %                    |
| Oil Saturation ( $S_O$ )            | 80.00 %                    |
| Gas Saturation ( $S_G$ )            | 0.00 %                     |
| Wellbore Radius ( $r_w$ )           | 0.30 ft                    |
| Formation Temperature (T)           | 150.0 °F                   |
| Formation Compressibility ( $c_f$ ) | 5.080e-6 psi <sup>-1</sup> |
| Total Compressibility ( $c_t$ )     | 1.670e-5 psi <sup>-1</sup> |

### Pressures

|                                      |             |
|--------------------------------------|-------------|
| Initial Pressure ( $p_i$ )           | 3374.02 psi |
| Extrapolated Pressure ( $p^*$ )      | 2153.62 psi |
| Ave. Reservoir Press                 | 2150.04 psi |
| Final Flowing Pressure ( $p_{wfo}$ ) | 1424.00 psi |

### Production and Times

|                               |               |
|-------------------------------|---------------|
| Corrected Flow Time ( $t_c$ ) | 1.2555 hr     |
| Cumulative Oil Production     | 37.614 bbl    |
| Final Oil Rate                | 719.000 bbl/d |

### Fluid Properties

|                                       |                              |
|---------------------------------------|------------------------------|
| Oil Compressibility ( $c_o$ )         | 1.38021e-5 psi <sup>-1</sup> |
| Oil Formation Volume Factor ( $B_o$ ) | 1.417                        |
| Oil Viscosity ( $\mu_o$ )             | 0.565 cp                     |
| Solution Gas Ratio ( $R_g$ )          | 762 scf/bbl                  |
| Oil Gravity ( $\gamma_o$ )            | 37.00 ° API                  |
| Gas Gravity (G)                       | 0.650                        |
| PVT Reference Pressure ( $pp_{VT}$ )  | 3374.02 psi                  |

### Extended Rates Calculations

|  |                 |
|--|-----------------|
| Specified Flowing Pressure             | 1424.00 psi     |
| Specified Reservoir Pressure           | 2150.04 psi     |
| Drainage Area                          | 160.0 acres     |
| 3 - Month Constant Rate                | bbl/d           |
| 6 - Month Constant Rate                | bbl/d           |
| Stabilized Rate @ Current Skin         | 461.938 bbl/d   |
| Stabilized Rate @ Skin of 0            | 290.542 bbl/d   |
| Stabilized Rate @ Skin of -4           | 555.400 bbl/d   |
| PI / II (Total Liquids - Actual)       | 0.990 bbl/d/psi |
| PI / II (Total Liquids - Ideal)        | 0.516 bbl/d/psi |
| Stab. PI / II (Total Liquids - Actual) | 0.636 bbl/d/psi |
| Stab. PI / II (Total Liquids - Ideal)  | 0.332 bbl/d/psi |

VESS OIL CORP

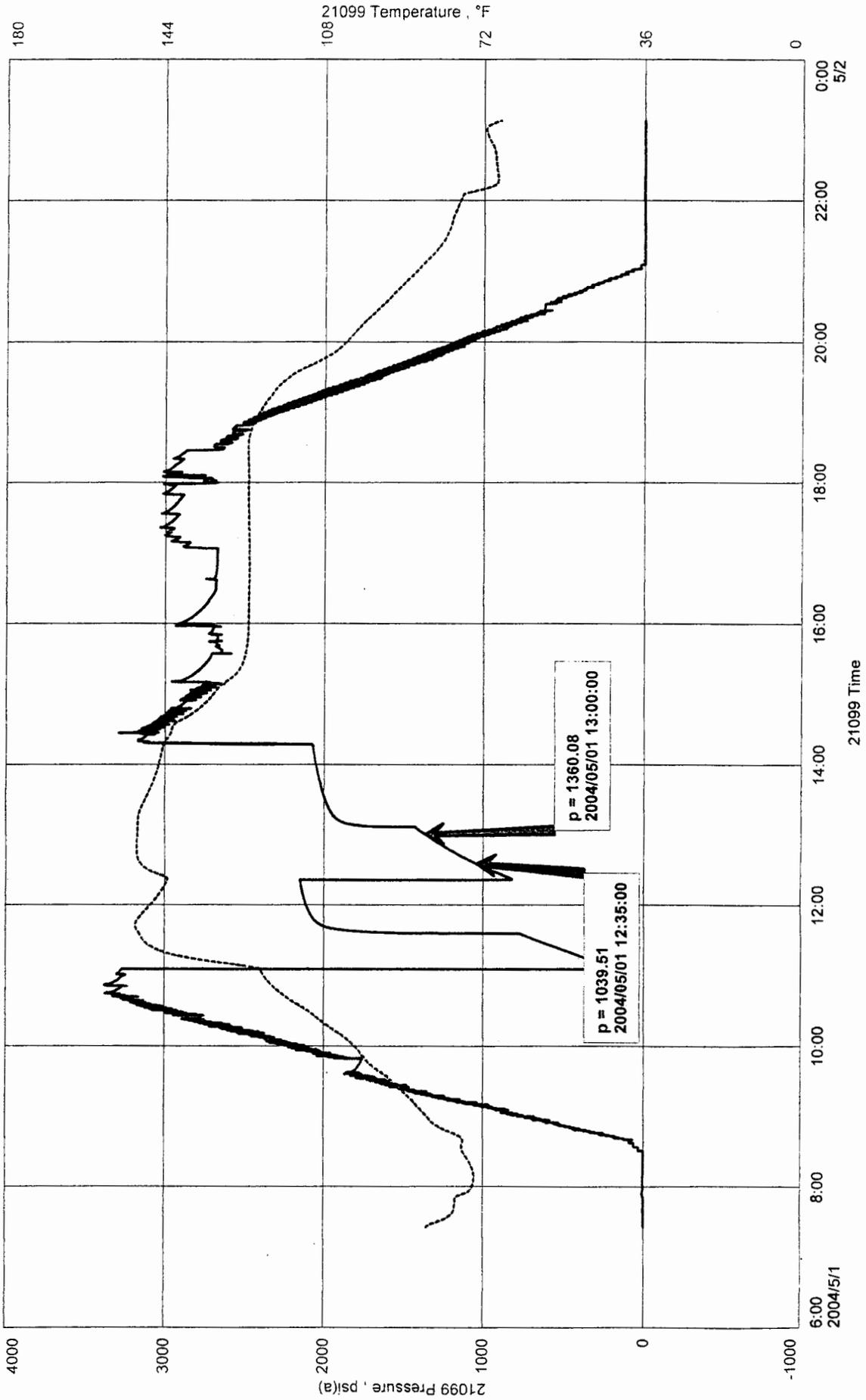
|             |         |         |          |         |          |        |       |       |         |            |
|-------------|---------|---------|----------|---------|----------|--------|-------|-------|---------|------------|
| DESCRIPTION | SECOND  | FIRST   | PRESSURE | PIPE    | FLUID    | TIME   | TOTAL | DAILY | AVERAGE | ESTIMATED  |
| FINAL FLOW  | READING | READING | CHANGE   | SIZE-ID | GRADIENT | CHANGE | TIME  | PROD. | % OIL   | PRODUCTION |
|             | 1,360   | 1,040   | 320      | 0.0142  | 0.3638   | 25     | 1440  | 719   | 1       | 719        |

BERRYMAN-DENTON UNIT 1, DST #5 ARB. 6,681'-6,698'

VESS OIL CORP  
DST #5 ARB. 6,681'-6,698'  
Start Test Date: 2004/05/01  
Final Test Date: 2004/05/01

BERRYMAN-DENTON UNIT 1  
Formation: DST #5 ARB 6,681'-6,698'  
Pool: WILDCAT

# BERRYMAN-DENTON UNIT 1

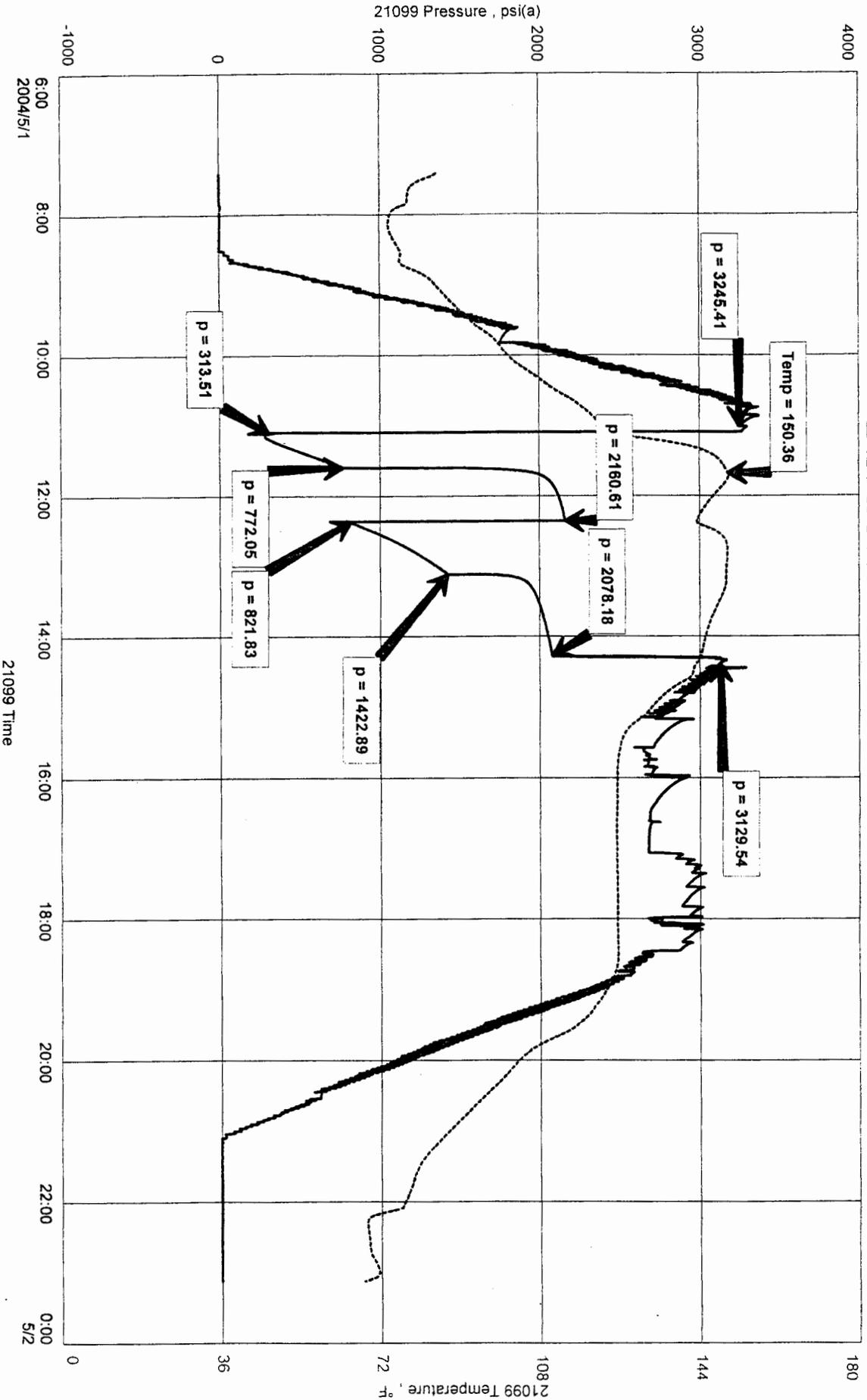


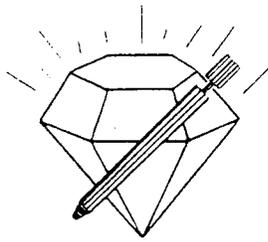


VESS OIL CORP  
 DST #5 ARB, 6,681'-6,698'  
 Start Test Date: 2004/05/01  
 Final Test Date: 2004/05/01

# BERRYMAN-DENTON UNIT 1

BERRYMAN-DENTON UNIT 1  
 Formation: DST #5 ARB 6,681'-6,698'  
 Pool: WILDCAT





DIAMOND TESTING  
 RELEASED FROM  
 HOPKINSON, KANSAS 67544  
 (620) 653-7550 • (800) 542-7313  
 CONFIDENTIAL  
 STC 11099 D19

KCC  
 JUL 13 2004  
 Page 1 of 8 Pages  
 CONFIDENTIAL

Company Vess Oil Corporation Lease & Well No. Berryman-Denton Unit No. 1  
 Elevation 2246 KB Formation Arbuckle Effective Pay 7 Ft. Ticket No. 1864  
 Date 4-29-04 Sec. 12 Twp. 32S Range 24W County Clark State Kansas

Test Approved By Kim B. Shoemaker Diamond Representative Roger D. Friedly

Formation Test No. 4 Interval Tested from 6,656 ft. to 6,678 ft. Total Depth 6,678 ft.  
 Packer Depth 6,651 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.  
 Packer Depth 6,656 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.  
 Depth of Selective Zone Set          ft.

Top Recorder Depth (Inside) 6,637 ft. Recorder Number Elec. Cap. 5,000 psi  
 Bottom Recorder Depth (Outside) 6,675 ft. Recorder Number 13387 Cap. 4,000 psi  
 Below Straddle Recorder Depth          ft. Recorder Number          Cap.          psi

Drilling Contractor VAL Energy, Inc. - Rig 2 Drill Collar Length 180 ft. I.D. 2 1/4 in.  
 Mud Type Chemical Viscosity 60 Weight Pipe Length -- ft. I.D. -- in.  
 Weight 9.0 Water Loss 8.0 cc. Drill Pipe Length 6,444 ft. I.D. 3 1/2 in.  
 Chlorides 4,000 P.P.M. Test Tool Length 32 ft. Tool Size 3 1/2 - IF in.  
 Jars: Make Bowen Serial Number DJ No. 1 Anchor Length 22 ft. Size 4 1/2 - FH in.  
 Did Well Flow? Yes Reversed Out Yes 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.

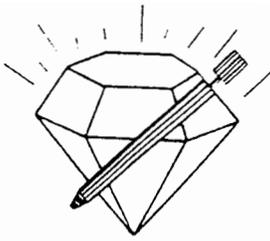
Blow: 1st Open: Strong blow. Off bottom of bucket immediately. Gas to surface in 6 mins. Oil to surface in 18 mins.  
2nd Open: Strong blow. Off bottom of bucket immediately. Oil to surface in 5 mins. (SEE GAS VOLUME REPORT)

Recovered 4,800 ft. of clean gassy oil = 67.603200 bbls. (Gravity: 38 @ 60°)  
 Recovered -- ft. of first stand after circulating (Grind out: 6%-gas; 4%-water; 12%-oil; 78%-mud)  
 Recovered 60 ft. of heavy oil cut gassy watery mud = .295200 bbls. (Grind out: 26%-oil; 2%-gas; 2%-water; 70%-mud)  
 Recovered 60 ft. of heavy oil cut gassy watery mud = .295200 bbls. (Grind out: 47%-oil; 2%-gas; 3%-water; 48%-mud)  
 Recovered 4,920 ft. of ESTIMATED TOTAL FLUID = 68.193600 bbls.

Remarks Tool Sample Grind Out: Blew out. No water noted.

RECEIVED  
 JUL 15 2004  
 KCC WICHITA

Time Set Packer(s) 7:45 ~~XXX~~ P.M. Time Started Off Bottom 10:45 ~~XXX~~ P.M. Maximum Temperature 148°  
 Initial Hydrostatic Pressure ..... (A) 3171 P.S.I.  
 Initial Flow Period ..... Minutes 30 (B) 1520 P.S.I. to (C) 2221 P.S.I.  
 Initial Closed In Period ..... Minutes 45 (D) 2314 P.S.I.  
 Final Flow Period ..... Minutes 45 (E) 1970 P.S.I. to (F) 2194 P.S.I.  
 Final Closed In Period ..... Minutes 60 (G) 2263 P.S.I.  
 Final Hydrostatic Pressure ..... (H) 3170 P.S.I.



DIAMOND TESTING  
 P. O. Box 157  
 HOISINGTON, KANSAS 67544  
 (800) 542-7313

FLUID SAMPLE DATA

Company Vess Oil Corporation  
 Lease & Well No. Berryman-Denton Unit No. 1  
 Date 4-29-04 Sec. 12 Twp. 32 S Range 24 W  
 Formation Test No. 4 Interval Tested From 6,656 ft. to 6,678 ft. Total Depth 6,678 ft.  
 Formation Arbuckle

|            | MUD PIT       | RECOVERY      |
|------------|---------------|---------------|
| Viscosity  | <u>60</u> CP  | <u>64</u> CP  |
| Weight     | <u>9.0</u>    | <u>8.9</u>    |
| Water Loss | <u>8.0</u> CC | <u>8.4</u> CC |
| PH Factor  | <u>11.0</u>   | <u>8.5</u>    |

|                         | RESISTIVITY          | CHLORIDE CONTENT |
|-------------------------|----------------------|------------------|
| Recovery Water          | <u>-- @ -- °F.</u>   | <u>-- ppm</u>    |
| Recovery Mud            | <u>1.00 @ 46 °F.</u> | <u>9,200 ppm</u> |
| Recovery Mud Filtrate   | <u>1.10 @ 48 °F.</u> | <u>8,500 ppm</u> |
| Mud Pit Sample          | <u>1.40 @ 54 °F.</u> | <u>5,600 ppm</u> |
| Mud Pit Sample Filtrate | <u>1.40 @ 58 °F.</u> | <u>5,000 ppm</u> |

Sample Taken By ROGER D. FRIEDLY

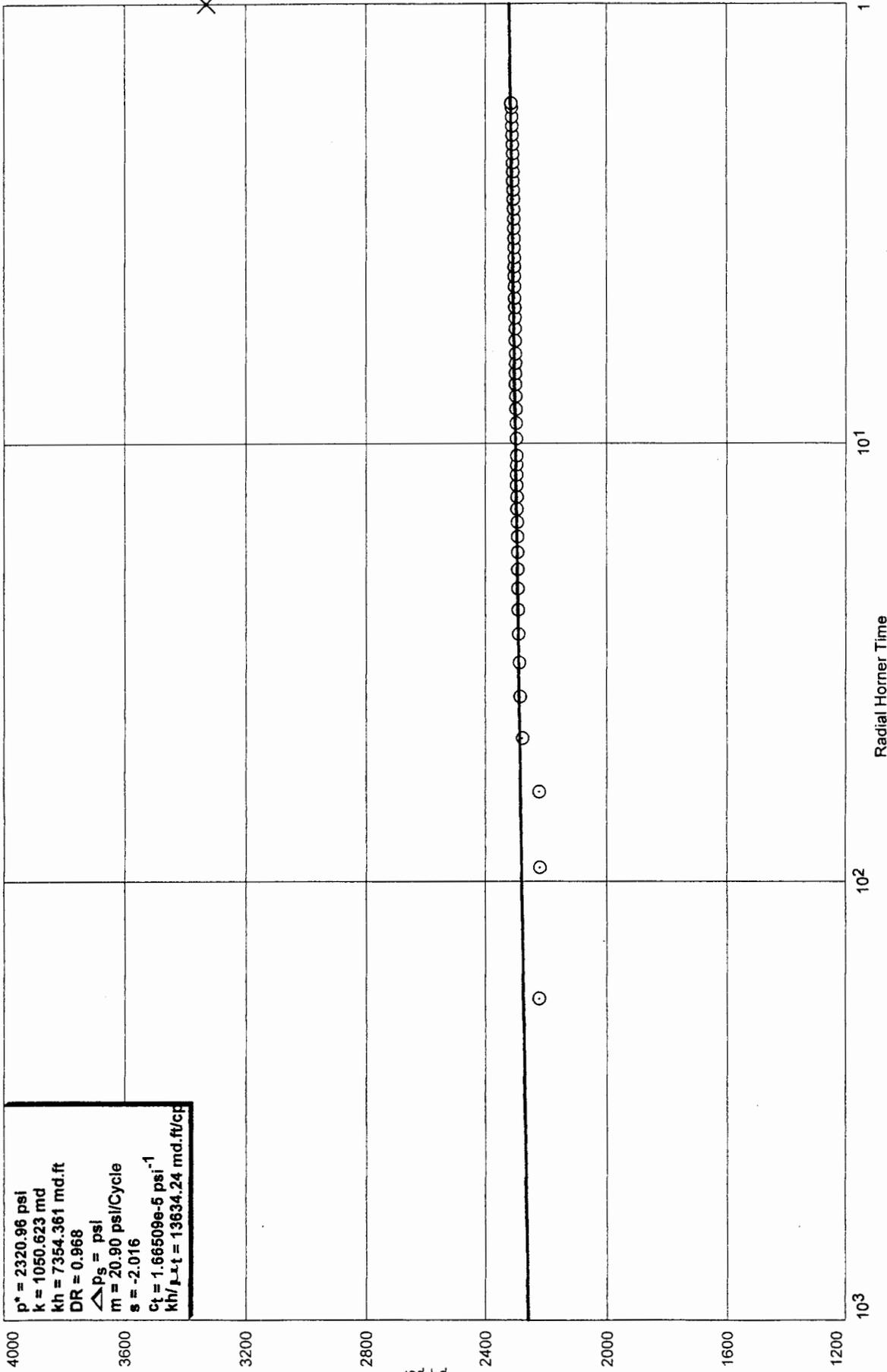
Witness By Kim B. Shoemaker

Remarks Pit filtrate triton dish chlorides were 4,000 Ppm.  
Recovery filtrate triton dish chlorides were 7,000 Ppm.



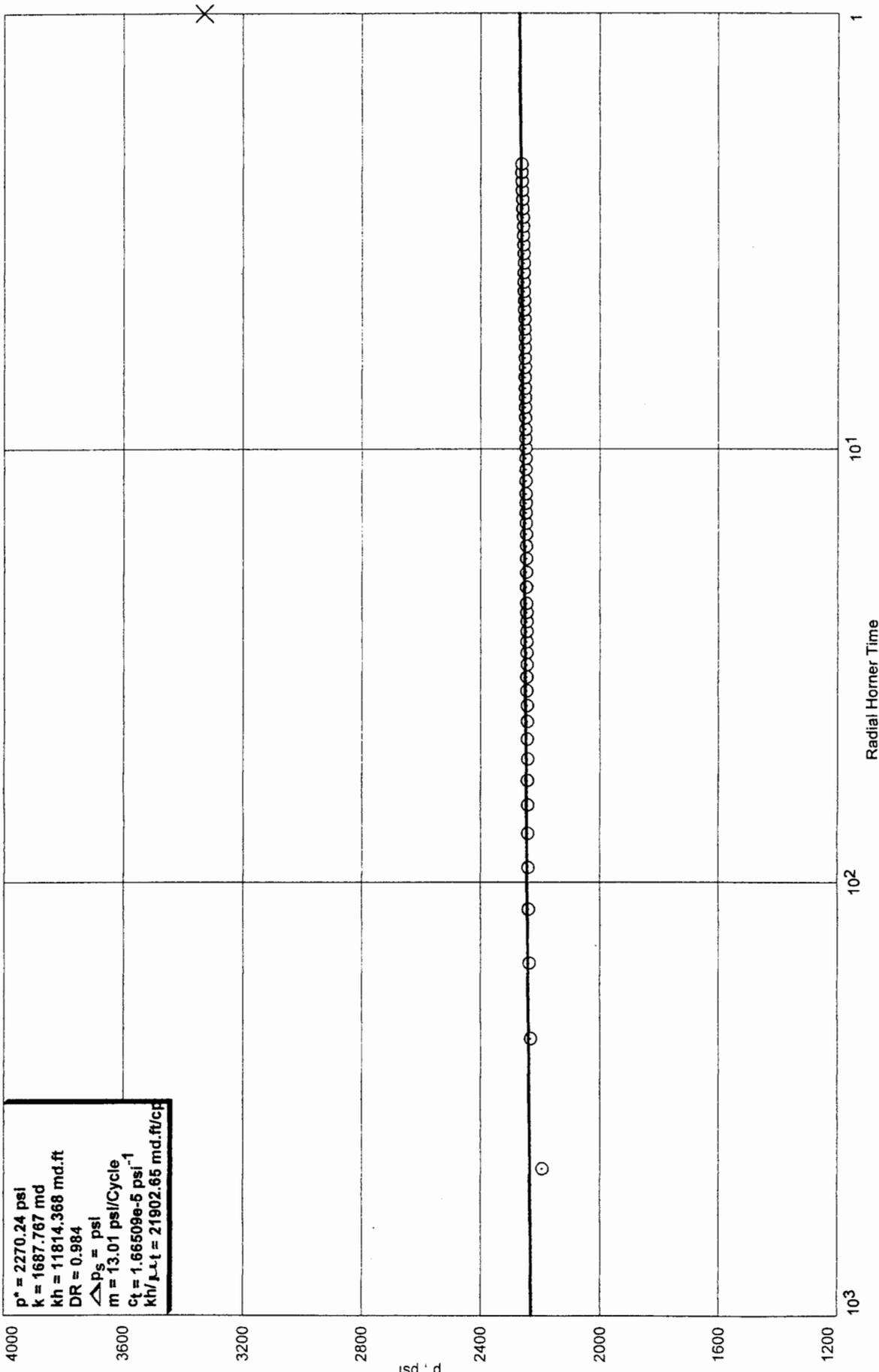
VESS OIL CORP  
 BERRYMAN-DENTON UNIT 1  
 DST #4 ARB 6,656'-6,658'

# HORNER INITIAL SHUT IN



VESS OIL CORP  
 BERRYMAN-DENTON UNIT 1  
 DST #4 ARB 6,656'-6,658'

# HORNER FINAL SHUT-IN



VESS OIL CORP

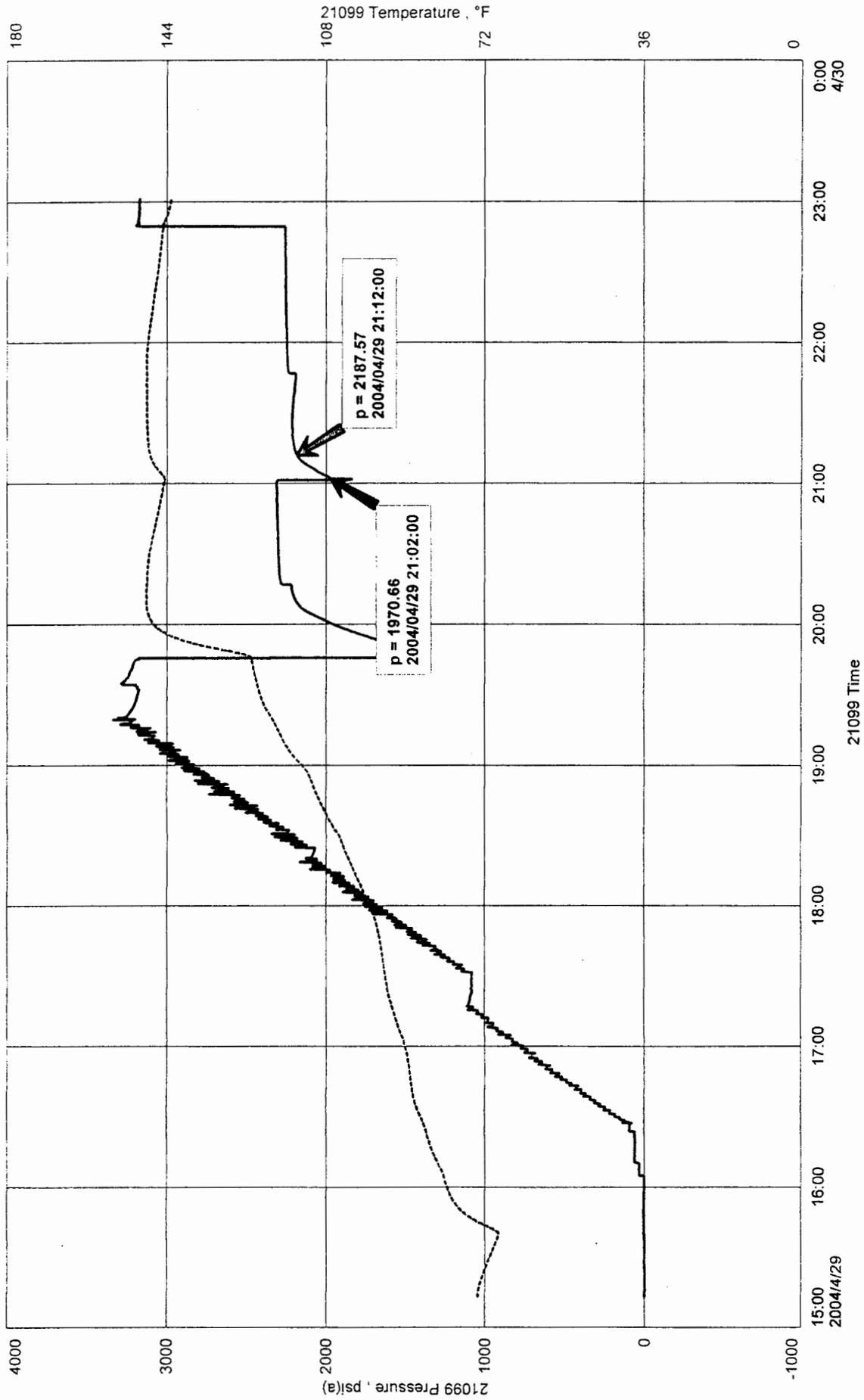
|             |         |         |          |         |          |        |       |       |         |            |
|-------------|---------|---------|----------|---------|----------|--------|-------|-------|---------|------------|
| DESCRIPTION | SECOND  | FIRST   | PRESSURE | PIPE    | FLUID    | TIME   | TOTAL | DAILY | AVERAGE | ESTIMATED  |
| FINAL FLOW  | READING | READING | CHANGE   | SIZE-ID | GRADIENT | CHANGE | TIME  | PROD. | % OIL   | PRODUCTION |
|             | 2,188   | 1,971   | 217      | 0.0142  | 0.3615   | 10     | 1440  | 1,227 | 1       | 1,227      |

BERRYMAN-DENTON UNIT 1, DST #4 ARB. 6,656'-6,668'

VESS OIL CORP  
 DST #4 ARBUCKLE 6,656'-6,678'  
 Start Test Date: 2004/04/29  
 Final Test Date: 2004/04/29

# BERRYMAN-DENTON UNIT 1

BERRYMAN-DENTON UNIT 1  
 Formation: DST #4 ARBUCKLE 6,656'-6,678'  
 Pool: WILDCAT



## GENERAL INFORMATION

### Client Information:

Company: VESS OIL CORP

Contact: BILL HORIGAN

Phone: Fax: e-mail:

### Site Information:

Contact: KIM SHOEMAKER

Phone: Fax: e-mail:

### Well Information:

Name: BERRYMAN-DENTON UNIT 1

Operator: VESS OIL CORP

Location-Downhole: DST #4 ARBUCKLE 6,656'-6,678'

Location-Surface: SEC 12-32S-24W

### Test Information:

Company: DIAMOND TESTING

Representative: ROGER D. FRIEDLY

Supervisor: KIM SHOEMAKER

Test Type: CONVENTIONAL Job Number:

Test Unit: NO 1

Start Date: 2004/04/29 Start Time: 15:12:00

End Date: 2004/04/29 End Time: 23:00:00

Report Date: Prepared By:

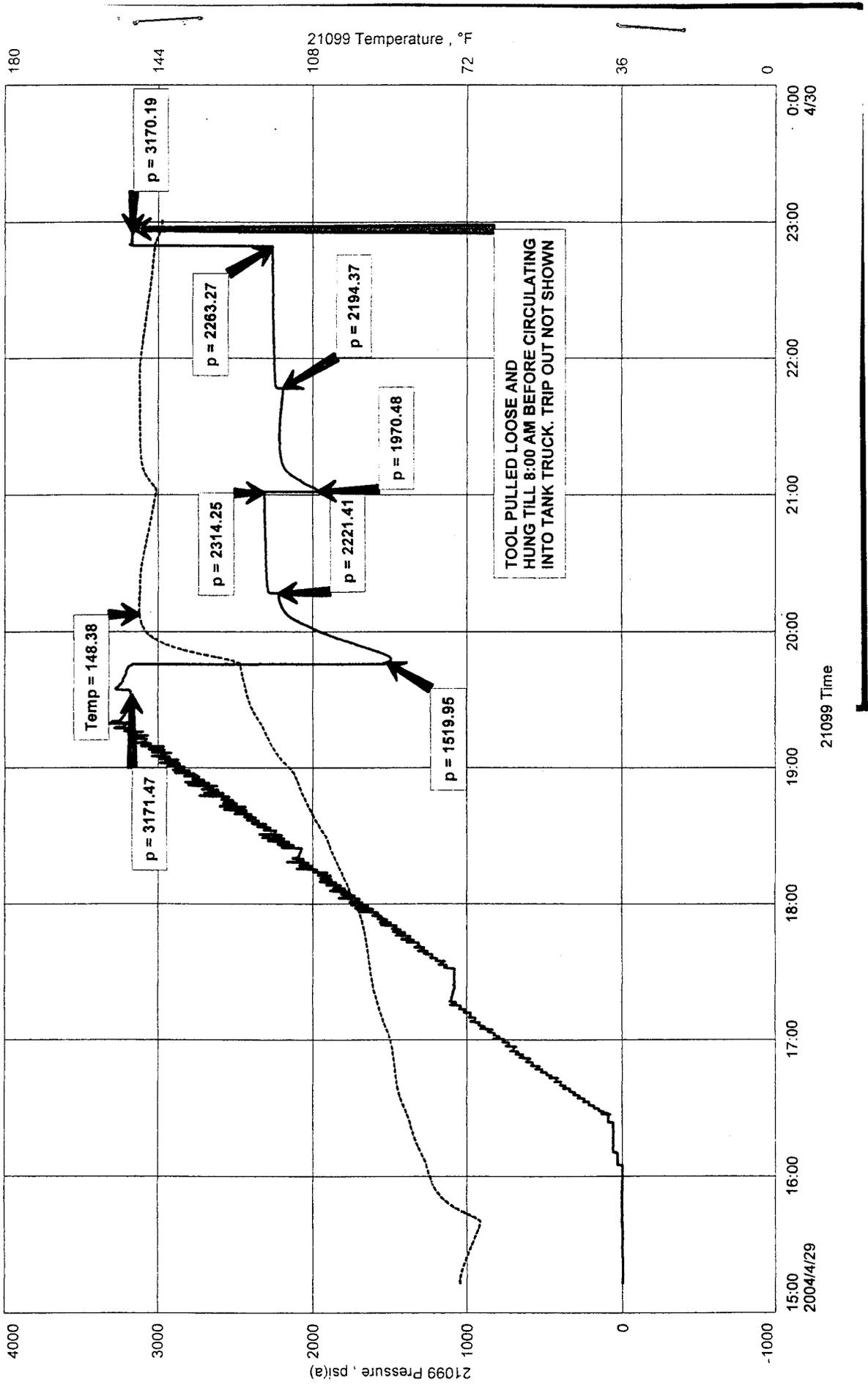
Remarks: Qualified By:

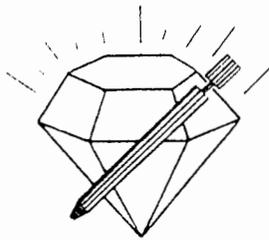
RECOVERED ESTIMATED 4,800' CGO. BASED ON WEIGHT PICKED UP AND ESTIMATED BARRELS CIRCULATED INTO WATER TRUCK. NO WATER NOTED IN TWO STANDS BELOW CIR. SUB. TOOL SAMPLE BLEW OUT WHEN TOOL WAS OPENED. NO INDICATION OF WATER IN TOOL.

BERRYMAN-DENTON UNIT 1  
 Formation: DST #4 ARBUCKLE 6,656'-6,678'  
 Pool: WILDCAT

VESS OIL CORP  
 DST #4 ARBUCKLE 6,656'-6,678'  
 Start Test Date: 2004/04/29  
 Final Test Date: 2004/04/29

# BERRYMAN-DENTON UNIT 1





DIAMOND TESTING

KCC

JUL 13 2004

RELEASED FROM CONFIDENTIAL  
HOISINGTON, KANSAS 67544  
(620) 653-7550 (800) 542-7313

CONFIDENTIAL

Company Vess Oil Corporation Lease & Well No. Berryman-Denton Unit No. 1

Elevation 2246 KB Formation Simpson/Arbuckle Effective Pay      Ft. Ticket No. 1863

Date 4-28-04 Sec. 12 Twp. 32S Range 24W County Clark State Kansas

Test Approved By Kim B. Shoemaker Diamond Representative Roger D. Friedly

Formation Test No. 3 Interval Tested from 6,569 ft. to 6,653 ft. Total Depth 6,653 ft.

Packer Depth 6,564 ft. Size 6 3/4 in. Packer Depth      ft. Size      in.

Packer Depth 6,569 ft. Size 6 3/4 in. Packer Depth      ft. Size      in.

Depth of Selective Zone Set      ft.

Top Recorder Depth (Inside) 6,550 ft. Recorder Number Elec. Cap. 5,000 psi

Bottom Recorder Depth (Outside) 6,650 ft. Recorder Number 13387 Cap. 4,000 psi

Below Straddle Recorder Depth      ft. Recorder Number      Cap.      psi

Drilling Contractor VAL Energy, Inc. - Rig 2 Drill Collar Length 180 ft. I.D. 2 1/4 in.

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

Weight 9.3 Water Loss 12.0 cc. Drill Pipe Length 6,357 ft. I.D. 3 1/2 in.

Chlorides 6,000 P.P.M. Test Tool Length 32 ft. Tool Size 3 1/2 - IF in.

Jars: Make Bowen Serial Number DJ No. 1 Anchor Length 53' perf. w/31' drill pipe 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: 1/8 in., blow increasing. Off bottom of bucket in 7 3/4 mins. No blow back during shut-in.

2nd Open: Strong blow. Off bottom of bucket in 30 secs.

Recovered 570 ft. of gas in pipe

Recovered 177 ft. of oil & water cut gassy mud = 1.956600 bbls. (Grind out: 11%-oil; 18%-water; 26%-gas; 45%-mud)

Recovered 120 ft. of gassy & watery heavy oil cut mud = .590400 bbls. (Grind out: 5%-gas; 20%-water; 33%-oil; 42%-mud)

Recovered 297 ft. of TOTAL FLUID = 2.547000 bbls.

Recovered      ft. of     

Remarks Tool Sample Grind Out: 3%-gas; 23%-water; 27%-oil; 47%-mud

RECEIVED  
JUL 15 2004  
KCC WICHITA

Time Set Packer(s) 6:33 ~~XXX~~ P.M. Time Started Off Bottom 9:33 ~~XXX~~ P.M. Maximum Temperature 133 °

Initial Hydrostatic Pressure      (A) 3151 P.S.I.

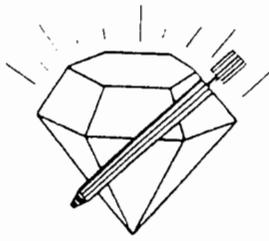
Initial Flow Period 30 Minutes (B) 15 P.S.I. to (C) 82 P.S.I.

Initial Closed In Period 45 Minutes (D) 2183 P.S.I.

Final Flow Period 45 Minutes (E) 65 P.S.I. to (F) 129 P.S.I.

Final Closed In Period 60 Minutes (G) 2038 P.S.I.

Final Hydrostatic Pressure      (H) 3131 P.S.I.



DIAMOND TESTING  
 P. O. Box 157  
 HOISINGTON, KANSAS 67544  
 (800) 542-7313

FLUID SAMPLE DATA

Company Vess Oil Corporation  
 Lease & Well No. Berryman-Denton Unit No. 1  
 Date 4-28-04 Sec. 12 Twp. 32 S Range 24 W  
 Formation Test No. 3 Interval Tested From 6,569 ft. to 6,653 ft. Total Depth 6,653 ft.  
 Formation Simpson/Arbuckle

|            | MUD PIT        | RECOVERY       |
|------------|----------------|----------------|
| Viscosity  | <u>46</u> CP   | <u>56</u> CP   |
| Weight     | <u>9.3</u>     | <u>8.8</u>     |
| Water Loss | <u>12.0</u> CC | <u>21.6</u> CC |
| PH Factor  | <u>9.5</u>     | <u>8.5</u>     |

|                         | RESISTIVITY         | CHLORIDE CONTENT |
|-------------------------|---------------------|------------------|
| Recovery Water          | <u>-- @ -- °F.</u>  | <u>-- ppm</u>    |
| Recovery Mud            | <u>.88 @ 60 °F.</u> | <u>9,000 ppm</u> |
| Recovery Mud Filtrate   | <u>.82 @ 62 °F.</u> | <u>9,200 ppm</u> |
| Mud Pit Sample          | <u>.78 @ 72 °F.</u> | <u>8,200 ppm</u> |
| Mud Pit Sample Filtrate | <u>.80 @ 74 °F.</u> | <u>7,600 ppm</u> |

Sample Taken By ROGER D. FRIEDLY

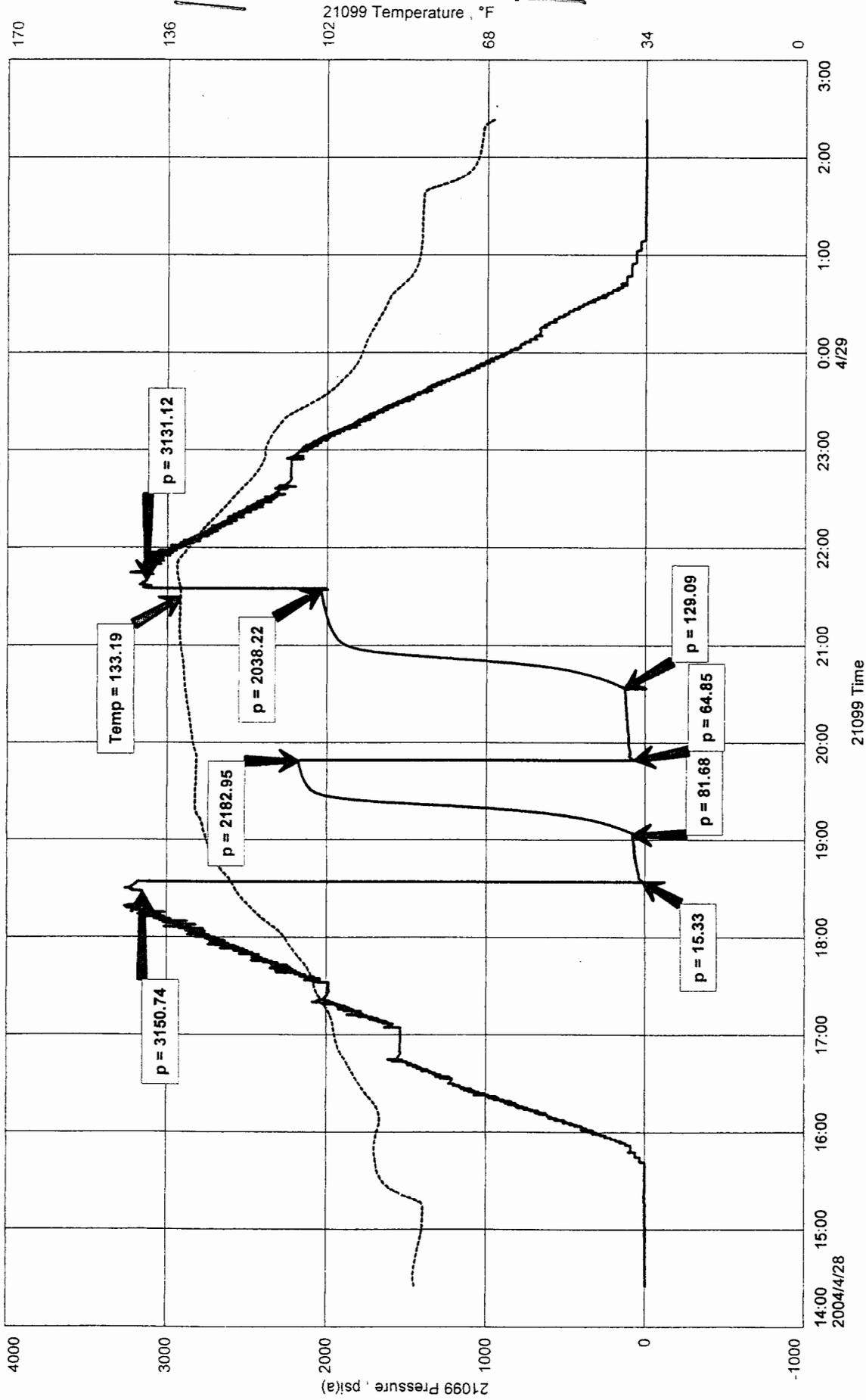
Witness By Kim B. Shoemaker

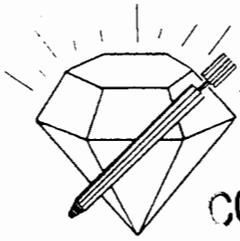
Remarks Pit filtrate triton dish chlorides were 6,000 Ppm.  
Recovery filtrate triton dish chlorides were 7,000 Ppm.

BARRYMAN-DENTON UNIT 1  
 Formation: DST #3 SIMP/ARB 6,569'-6,653'  
 Pool: WILDCAT

VESS OIL CORP  
 DST #3 SIMP/ARB 6,569'-6,653'  
 Start Test Date: 2004/04/28  
 Final Test Date: 2004/04/29

# BARRYMAN-DENTON UNIT 1





KCC

DIAMOND TESTING

NO. 13 2004

P.O. Box 157

HOISINGTON, KANSAS 67544

CONFIDENTIAL

(781) 653-7550 • (800) 542-7313

STC 21099.D17

Company Vess Oil Corporation Lease & Well No. Berryman-Denton Unit No. 1  
 Elevation 2246 KB Formation Viola Effective Pay RELEASED Ft. Ticket No. 1862  
 Date 4-27-04 Sec. 12 Twp. 32S Range 24W County Clark State Kansas  
 Test Approved By Kim B. Shoemaker Diamond Representative FROM CONFIDENTIAL Roger D. Friedly

Formation Test No. 2 Interval Tested from 6,515 ft. to 6,541 ft. Total Depth 6,541 ft.  
 Packer Depth 6,510 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.  
 Packer Depth 6,515 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.  
 Depth of Selective Zone Set          ft.

Top Recorder Depth (Inside) 6,496 ft. Recorder Number Elec. Cap. 5,000 psi  
 Bottom Recorder Depth (Outside) 6,538 ft. Recorder Number 13387 Cap. 4,000 psi  
 Below Straddle Recorder Depth          ft. Recorder Number          Cap.          psi

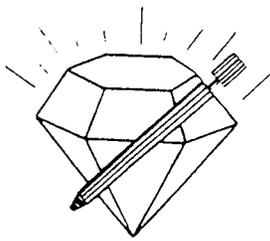
Drilling Contractor VAL Energy, Inc. - Rig 2 Drill Collar Length 180 ft. I.D. 2 1/4 in.  
 Mud Type Chemical Viscosity 52 Weight Pipe Length -- ft. I.D. -- in.  
 Weight 9.35 Water Loss 10.0 cc. Drill Pipe Length 6,303 ft. I.D. 3 1/2 in.  
 Chlorides 4,600 P.P.M. Test Tool Length 32 ft. Tool Size 3 1/2 - IF in.  
 Jars: Make Bowen Serial Number DJ No. 1 Anchor Length 26 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, 1/8 in., blow increasing to 1 1/2 ins. No blow back during shut-in.  
2nd Open: Weak, 1/2 in., blow increasing to 1 1/2 ins. No blow back during shut-in.

Recovered 105 ft. of gas in pipe  
 Recovered 15 ft. of drilling mud = .073800 bbls.  
 Recovered 15 ft. of TOTAL FLUID = .073800 bbls.  
 Recovered          ft. of           
 Recovered          ft. of           
 Remarks Tool Sample Grind Out: 100%-drilling mud

RECEIVED  
 JUL 15 2004  
 KCC WICHITA

Time Set Packer(s) 1:11 ~~XXXX~~ P.M. Time Started Off Bottom 4:11 ~~XXXX~~ P.M. Maximum Temperature 133°  
 Initial Hydrostatic Pressure ..... (A) 3200 P.S.I.  
 Initial Flow Period ..... Minutes 30 (B) 13 P.S.I. to (C) 28 P.S.I.  
 Initial Closed In Period ..... Minutes 45 (D) 78 P.S.I.  
 Final Flow Period ..... Minutes 45 (E) 23 P.S.I. to (F) 27 P.S.I.  
 Final Closed In Period ..... Minutes 60 (G) 156 P.S.I.  
 Final Hydrostatic Pressure ..... (H) 2990 P.S.I.



DIAMOND TESTING  
 P. O. Box 157  
 HOISINGTON, KANSAS 67544  
 (800) 542-7313

FLUID SAMPLE DATA

Company Vess Oil Corporation

Lease & Well No. Berryman-Denton Unit No. 1

Date 4-27-04 Sec. 12 Twp. 32 S Range 24 W

Formation Test No. 2 Interval Tested From 6,515 ft. to 6,541 ft. Total Depth 6,541 ft.

Formation Viola

|            | MUD PIT        | RECOVERY       |
|------------|----------------|----------------|
| Viscosity  | <u>52</u> CP   | <u>56</u> CP   |
| Weight     | <u>9.35</u>    | <u>9.25</u>    |
| Water Loss | <u>10.0</u> CC | <u>10.4</u> CC |
| PH Factor  | <u>10.5</u>    | <u>10.5</u>    |

|                         | RESISTIVITY         | CHLORIDE CONTENT |
|-------------------------|---------------------|------------------|
| Recovery Water          | <u>-- @ -- °F.</u>  | <u>-- ppm</u>    |
| Recovery Mud            | <u>.94 @ 76 °F.</u> | <u>6,400 ppm</u> |
| Recovery Mud Filtrate   | <u>.92 @ 78 °F.</u> | <u>6,000 ppm</u> |
| Mud Pit Sample          | <u>.92 @ 82 °F.</u> | <u>5,800 ppm</u> |
| Mud Pit Sample Filtrate | <u>.97 @ 89 °F.</u> | <u>5,000 ppm</u> |

Sample Taken By ROGER D. FRIEDLY

Witness By Kim B. Shoemaker

Remarks Pit filtrate triton dish chlorides were 4,600 Ppm.  
Recovery filtrate triton dish chlorides were 5,000 Ppm.

RECEIVED  
 JUL 15 2004  
 KCC WICHITA

## GENERAL INFORMATION

### Client Information:

Company: VESS OIL CORP  
Contact: BILL HORIGAN  
Phone: Fax: e-mail:

### Site Information:

Contact: KIM SHOEMAKER  
Phone: Fax: e-mail:

### Well Information:

Name: BARRYMAN-DENTON UNIT 1  
Operator: VESS OIL CORP  
Location-Downhole: DST #2 VIOLA 6,515'-6,541'  
Location-Surface: SEC 12-32S-24W CLARK COUNTY

### Test Information:

Company: DIAMOND TESTING  
Representative: ROGER D. FRIEDLY  
Supervisor: KIM SHOEMAKER  
Test Type: CONVENTIONAL Job Number:  
Test Unit: NO 1  
Start Date: 2004/04/27 Start Time: 09:53:00  
End Date: 2004/04/27 End Time: 19:59:00  
Report Date: Prepared By:  
Remarks: Qualified By:

RECOVERED 15' DM, WITH 105' GAS IN PIPE.

BARRYMAN-DENTON UNIT 1  
 Formation: DST #2 VIOLA 6,515'-6,541'  
 Pool: WILDCAT

VESS OIL CORP  
 DST #2 VIOLA 6,515'-6,541'  
 Start Test Date: 2004/04/27  
 Final Test Date: 2004/04/27

# BARRYMAN-DENTON UNIT 1

