

15-051-25835

17-11s-16w

### DIAMOND TESTING

P.O. Box 157

HOISINGTON, KANSAS 67544

(620) 653-7550 • (800) 542-7313

STC 30036.D526

Page 1 of 2 Pages

Company Vess Oil Corporation Lease & Well No. Chesney No. 2-17

Elevation 1769 KB Formation Toronto/Lansing "A" - "D" Effective Pay -- Ft. Ticket No. J2323

Date 1-01-09 Sec. 17 Twp. 11S Range 16W County Ellis State Kansas

Test Approved By Roger L. Martin Diamond Representative John C. Riedl

Formation Test No. 1 Interval Tested from 2,924 ft. to 3,034 ft. Total Depth 3,034 ft.

Packer Depth 2,919 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Packer Depth 2,924 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set          ft.

Top Recorder Depth (Inside) 2,937 ft. Recorder Number 30036 Cap. 5,000 psi

Bottom Recorder Depth (Outside) 3,031 ft. Recorder Number 11017 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 60 Weight Pipe Length -- ft. I.D. -- in.

Weight 8.9 Water Loss 7.6 cc. Drill Pipe Length 2,898 ft. I.D. 3 1/2 in.

Chlorides 3,100 P.P.M. Test Tool Length 26 ft. Tool Size 3 1/2 - IF in.

Jars: Make Sterling Serial Number 2 Anchor Length 110 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 7/8 in. Tool Joint Size 4 1/2 - XH in.

Blow: 1st Open: Weak, 1/2 in., blow. Dead in 22 mins.

2nd Open: Very weak blow. Dead in 1 min. Flushed tool. Weak blow. Dead in 5 mins.

Recovered 12 ft. of drilling mud with a few oil specks = .123120 bbls. (Grind out: 2%-water; 98%-mud)

Recovered          ft. of         

Recovered          ft. of         

Recovered          ft. of         

Recovered          ft. of         

Remarks         

Time Set Packer(s) 11:55 ~~P.M.~~ <sup>A.M.</sup> Time Started Off Bottom 1:55 ~~P.M.~~ <sup>A.M.</sup> Maximum Temperature 93°

Initial Hydrostatic Pressure ..... (A) 1458 P.S.I.

Initial Flow Period ..... Minutes 30 (B) 22 P.S.I. to (C) 23 P.S.I.

Initial Closed In Period ..... Minutes 30 (D) 413 P.S.I.

Final Flow Period ..... Minutes 30 (E) 24 P.S.I. to (F) 27 P.S.I.

Final Closed In Period ..... Minutes 30 (G) 223 P.S.I.

Final Hydrostatic Pressure ..... (H) 1419 P.S.I.

## GENERAL INFORMATION

### Client Information:

Company: VESS OIL CORP  
Contact: PAT CANADAY  
Phone: Fax: e-mail:

### Site Information:

Contact: ROGER MARTIN  
Phone: Fax: e-mail:

### Well Information:

Name: CHESNEY #2-17  
Operator: VESS OIL CORP  
Location-Downhole: DST#1 2924 TO 3034  
Location-Surface: S17/ 11S/ 16W ELLIS COUNTY

### Test Information:

Company: DIAMOND TESTING  
Representative: JOHN RIEDL  
Supervisor: ROGER MARTIN  
Test Type: CONVENTIONAL Job Number: D526  
Test Unit: 2  
Start Date: 2009/01/01 Start Time: 10:25:00  
End Date: 2009/01/01 End Time: 15:05:00  
Report Date: 2008/01/01 Prepared By: JOHN RIEDL

### Remarks:

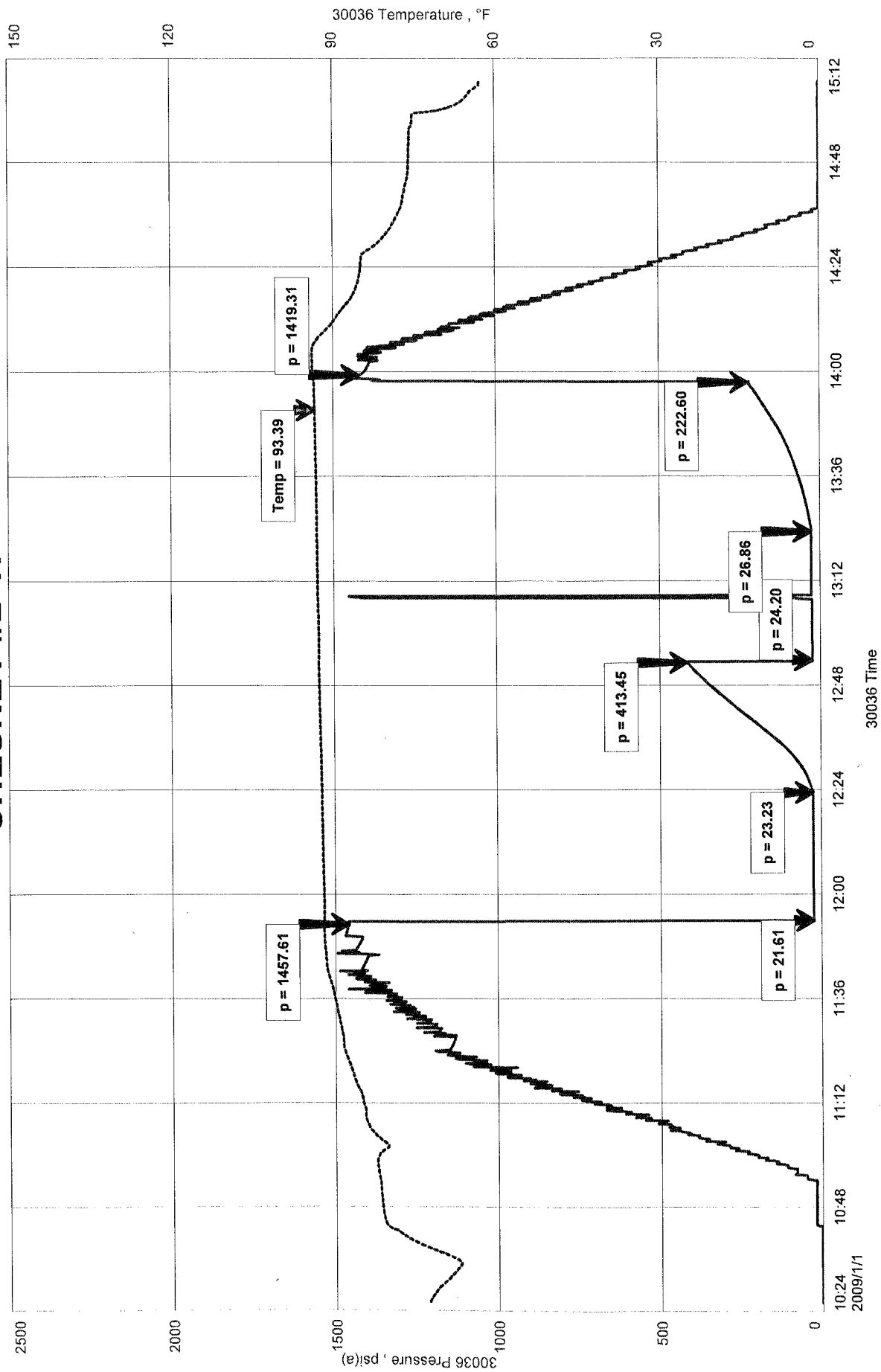
Qualified By: ROGER MARTIN

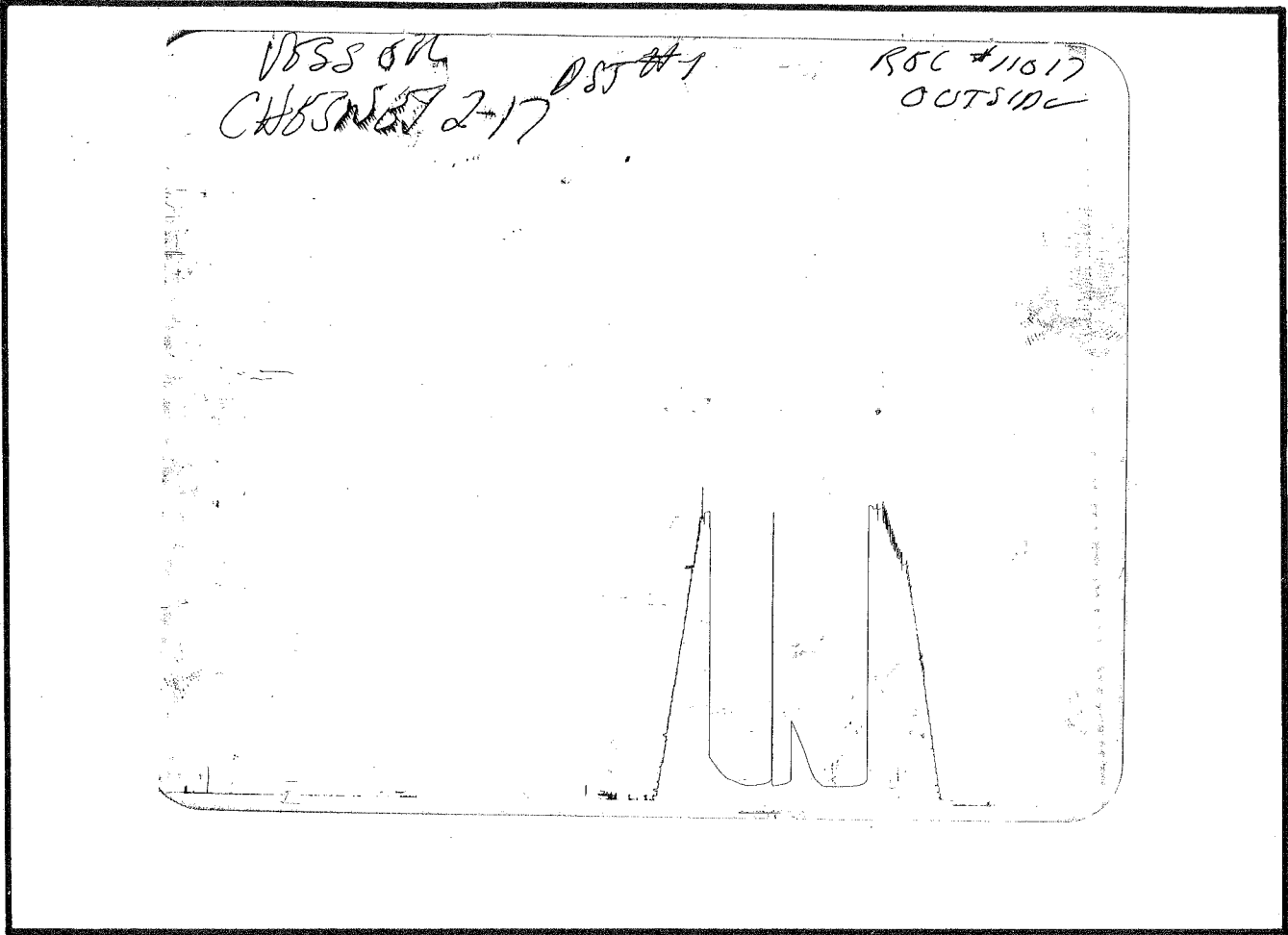
RECOVERY: 12' DRILLING MUD WITH OIL SPECKS

CHESNEY #2-17  
Formation: TORONTO/LANSING A-D  
Job Number: D526

VESS OIL CORP  
DST#1 2924 TO 3034  
Start Test Date: 2009/01/01  
Final Test Date: 2009/01/01

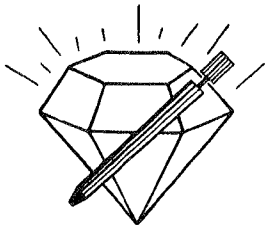
# CHESNEY #2-17





This is an actual photograph of recorder chart.

POINT	PRESSURE		Elec. Office Reading	PSI
	Field Reading			
(A) Initial Hydrostatic Mud .....	1458	1458		PSI
(B) First Initial Flow Pressure .....	22	22		PSI
(C) First Final Flow Pressure .....	23	23		PSI
(D) Initial Closed-in Pressure .....	413	413		PSI
(E) Second Initial Flow Pressure .....	24	24		PSI
(F) Second Final Flow Pressure .....	27	27		PSI
(G) Final Closed-in Pressure .....	223	223		PSI
(H) Final Hydrostatic Mud .....	1419	1419		PSI



**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(620) 653-7550 • (800) 542-7313  
STC 30036.D527

Company Vess Oil Corporation Lease & Well No. Chesney No. 2-17  
Elevation 1769 KB Formation Lansing "E" - "G" Effective Pay     --     Ft. Ticket No. J2324  
Date 1-02-09 Sec. 17 Twp. 11S Range 16W County Ellis State Kansas  
Test Approved By Roger L. Martin Diamond Representative John C. Riedl

Formation Test No. 2 Interval Tested from 3,032 ft. to 3,077 ft. Total Depth 3,077 ft.  
Packer Depth 3,027 ft. Size 63/4 in. Packer Depth     --     ft. Size     --     in.  
Packer Depth 3,032 ft. Size 63/4 in. Packer Depth     --     ft. Size     --     in.  
Depth of Selective Zone Set      ft.

Top Recorder Depth (Inside) 3,035 ft. Recorder Number 30036 Cap. 5,000 psi  
Bottom Recorder Depth (Outside) 3,074 ft. Recorder Number 11017 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 60 Weight Pipe Length     --     ft. I.D.     --     in.  
Weight 8.9 Water Loss 7.6 cc. Drill Pipe Length 3,006 ft. I.D. 3 1/2 in.  
Chlorides 3,100 P.P.M. Test Tool Length 26 ft. Tool Size 3 1/2 - IF in.  
Jars: Make Sterling Serial Number 2 Anchor Length 45 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, building throughout to 10 ins. at end. No blow back during shut-in.  
2nd Open: Strong blow, building throughout to 8 ins. at end. No blow back during shut-in.

Recovered 135 ft. of mud cut water with a scum of oil on top = 1.385100 bbls. (Grind out: 30%-mud; 70%-water)  
Recovered      ft. of Chlorides: 25,000 Ppm Resistivity: 0.5 @ 50°  
Recovered      ft. of  
Recovered      ft. of  
Recovered      ft. of

Remarks     

Time Set Packer(s) 3:40 ~~P.M.~~ <sup>A.M.</sup> Time Started Off Bottom 6:40 ~~P.M.~~ <sup>A.M.</sup> Maximum Temperature 96°  
Initial Hydrostatic Pressure ..... (A) 1518 P.S.I.  
Initial Flow Period ..... Minutes 30 (B) 25 P.S.I. to (C) 52 P.S.I.  
Initial Closed In Period ..... Minutes 45 (D) 244 P.S.I.  
Final Flow Period ..... Minutes 45 (E) 55 P.S.I. to (F) 81 P.S.I.  
Final Closed In Period ..... Minutes 60 (G) 226 P.S.I.  
Final Hydrostatic Pressure ..... (H) 1466 P.S.I.

## GENERAL INFORMATION

### Client Information:

Company: VESS OIL CORP

Contact: PAUL RAMONDETTA

Phone: Fax: e-mail:

### Site Information:

Contact: ROGER MARTIN

Phone: Fax: e-mail:

### Well Information:

Name: CHESNEY #2-17

Operator: VESS OIL CORP

Location-Downhole: DST #2 3032 TO 3077

Location-Surface:

### Test Information:

Company: DIAMOND TESTING

Representative: JOHN RIEDL

Supervisor: ROGER MARTIN

Test Type: CONVENTIONAL

Job Number: D527

Test Unit: 2

Start Date: 2009/01/02

Start Time: 02:20:00

End Date: 2009/01/02

End Time: 08:40:00

Report Date: 2009/01/02

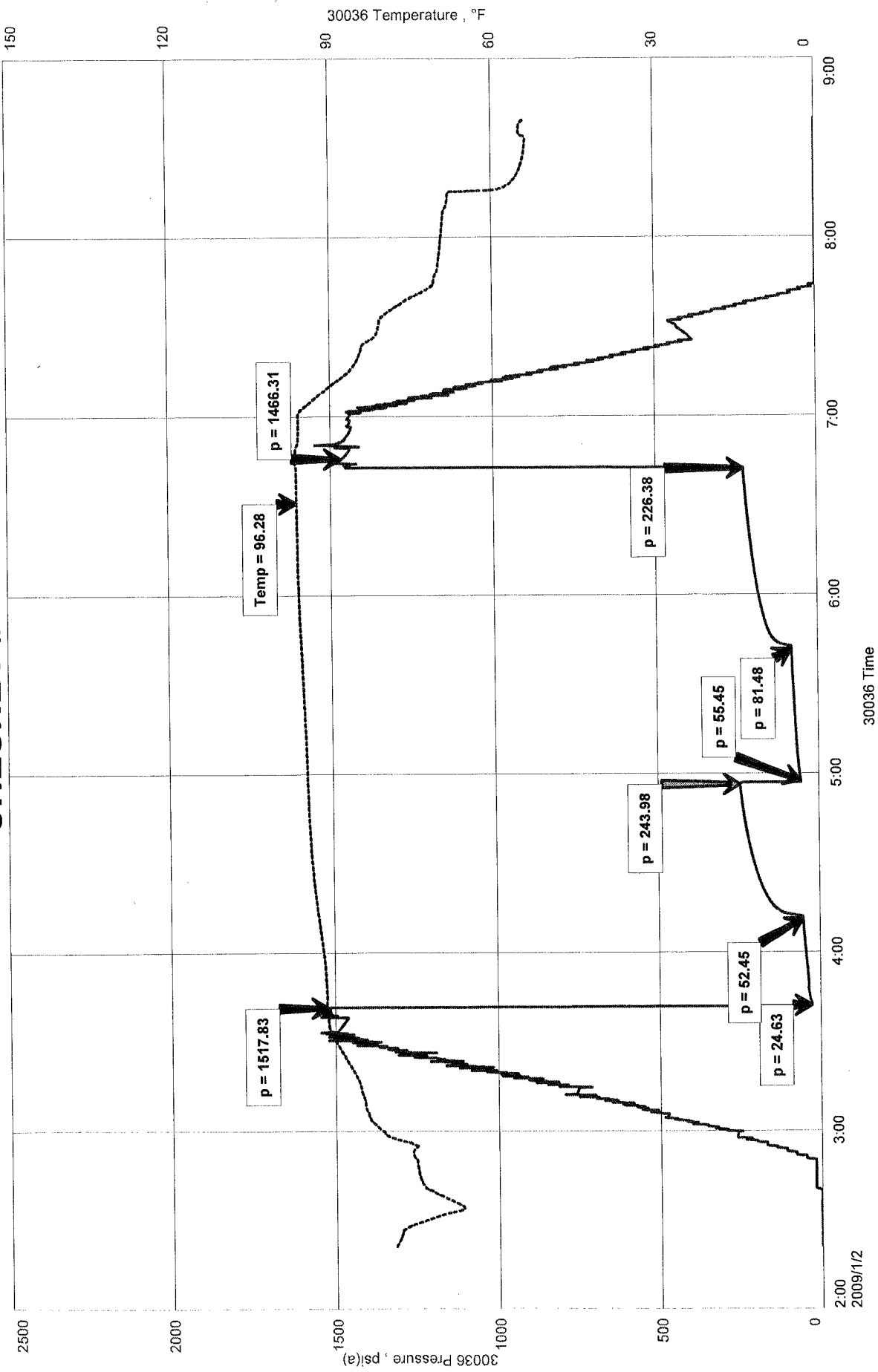
Prepared By: JOHN RIEDL

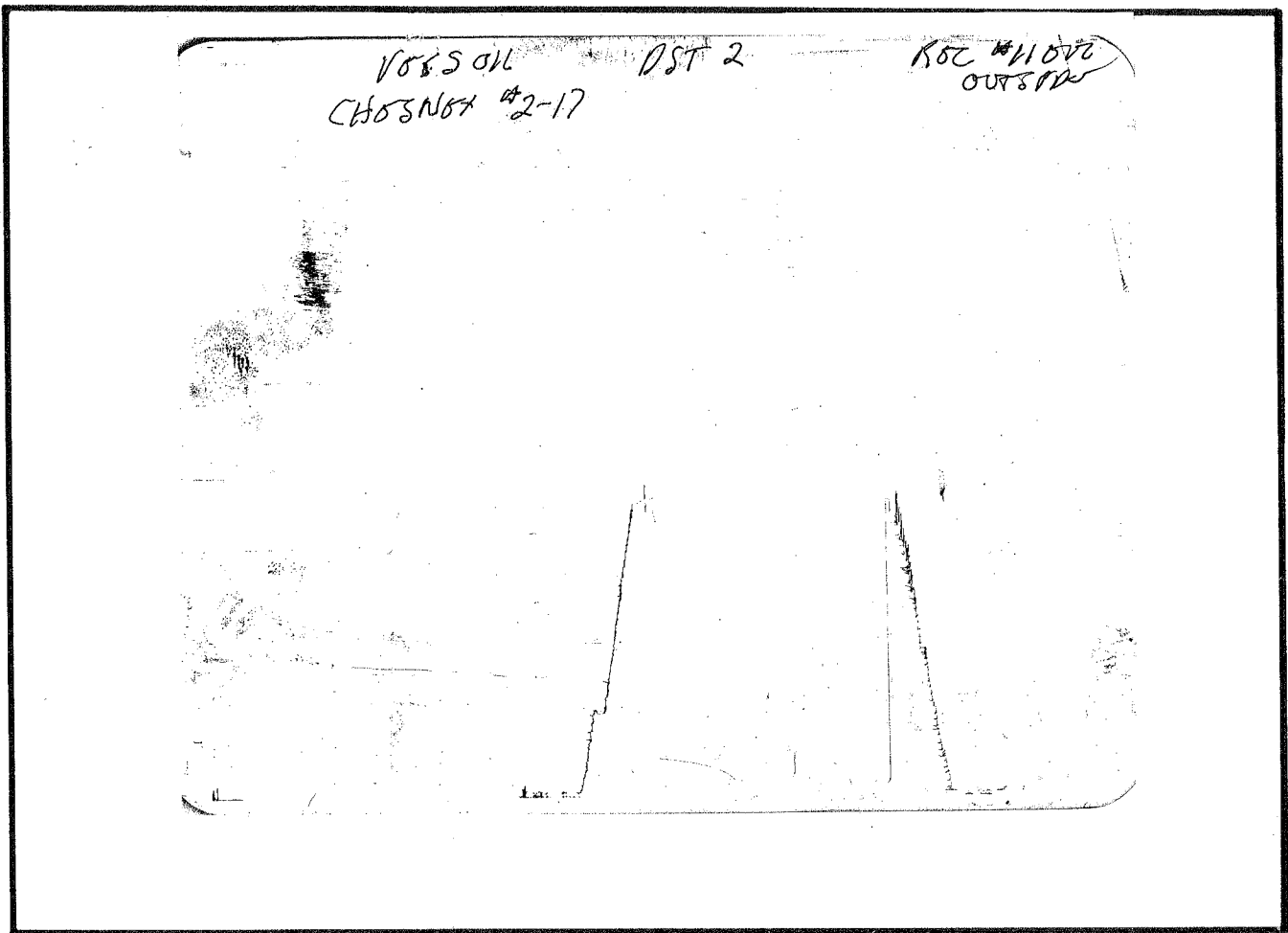
### Remarks:

Qualified By: ROGER MARTIN

RECOVERY: 135' MUD CUT WATER WITH A SCUM OF OIL ON TOP

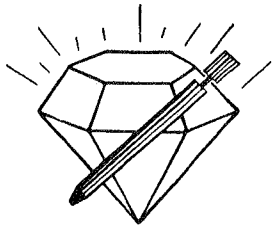
# CHESNEY #2-17





This is an actual photograph of recorder chart.

POINT	PRESSURE		PSI
	Field Reading	Elec. Office Reading	
(A) Initial Hydrostatic Mud .....	1518	1518	PSI
(B) First Initial Flow Pressure .....	25	25	PSI
(C) First Final Flow Pressure .....	52	52	PSI
(D) Initial Closed-in Pressure .....	244	244	PSI
(E) Second Initial Flow Pressure .....	55	55	PSI
(F) Second Final Flow Pressure .....	81	81	PSI
(G) Final Closed-in Pressure .....	226	226	PSI
(H) Final Hydrostatic Mud .....	1466	1466	PSI



**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(620) 653-7550 • (800) 542-7313  
STC 30036.D 528

Company Vess Oil Corporation Lease & Well No. Chesney No. 2-17

Elevation 1769 KB Formation Lansing "H" - "L" Effective Pay -- Ft. Ticket No. J2325

Date 1-03-09 Sec. 17 Twp. 11S Range 16W County Ellis State Kansas

Test Approved By Roger L. Martin Diamond Representative John C. Riedl

Formation Test No. 3 Interval Tested from 3,095 ft. to 3,250 ft. Total Depth 3,250 ft.

Packer Depth 3,090 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Packer Depth 3,095 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set          ft.

Top Recorder Depth (Inside) 3,098 ft. Recorder Number 30036 Cap. 5,000 psi

Bottom Recorder Depth (Outside) 3,247 ft. Recorder Number 11017 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 50 Weight Pipe Length -- ft. I.D. -- in.

Weight 9.1 Water Loss 8.0 cc. Drill Pipe Length 3,069 ft. I.D. 3 1/2 in.

Chlorides 3,200 P.P.M. Test Tool Length 26 ft. Tool Size 3 1/2 - IF in.

Jars: Make Sterling Serial Number 2 Anchor Length 155 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, 2 in., blow. No blow back during shut-in.

2nd Open: Very weak, 1/2 in., blow throughout. No blow back during shut-in.

Recovered 20 ft. of drilling mud = .205200 bbls. (Grind out: 1%-water; 99%-mud)

Recovered          ft. of         

Recovered          ft. of         

Recovered          ft. of         

Recovered          ft. of         

Remarks         

Time Set Packer(s) 12:35 ~~P.M.~~ <sup>A.M.</sup> Time Started Off Bottom 3:35 ~~P.M.~~ <sup>A.M.</sup> Maximum Temperature 97°

Initial Hydrostatic Pressure ..... (A) 1577 P.S.I.

Initial Flow Period ..... Minutes 30 (B) 26 P.S.I. to (C) 27 P.S.I.

Initial Closed In Period ..... Minutes 45 (D) 658 P.S.I.

Final Flow Period ..... Minutes 45 (E) 28 P.S.I. to (F) 33 P.S.I.

Final Closed In Period ..... Minutes 60 (G) 576 P.S.I.

Final Hydrostatic Pressure ..... (H) 1547 P.S.I.

## GENERAL INFORMATION

### Client Information:

Company: VESS OIL CORP  
Contact: PAUL RAMONDETTA  
Phone: Fax: e-mail:

### Site Information:

Contact: ROGER MARTIN  
Phone: Fax: e-mail:

### Well Information:

Name: CHESNEY #2-17  
Operator: VESS OIL CORP  
Location-Downhole: DST#3 3095 TO 3250  
Location-Surface: S17/ 11S/ 16W ELLIS COUNTY

### Test Information:

Company: DIAMOND TESTING  
Representative: JOHN RIEDL  
Supervisor: ROGER MARTIN  
Test Type: CONVENTIONAL Job Number: D528  
Test Unit: 2  
Start Date: 2009/01/02 Start Time: 22:40:00  
End Date: 2009/01/03 End Time: 05:20:00  
Report Date: 2009/01/03 Prepared By: JOHN RIEDL  
Qualified By: ROGER MARTIN

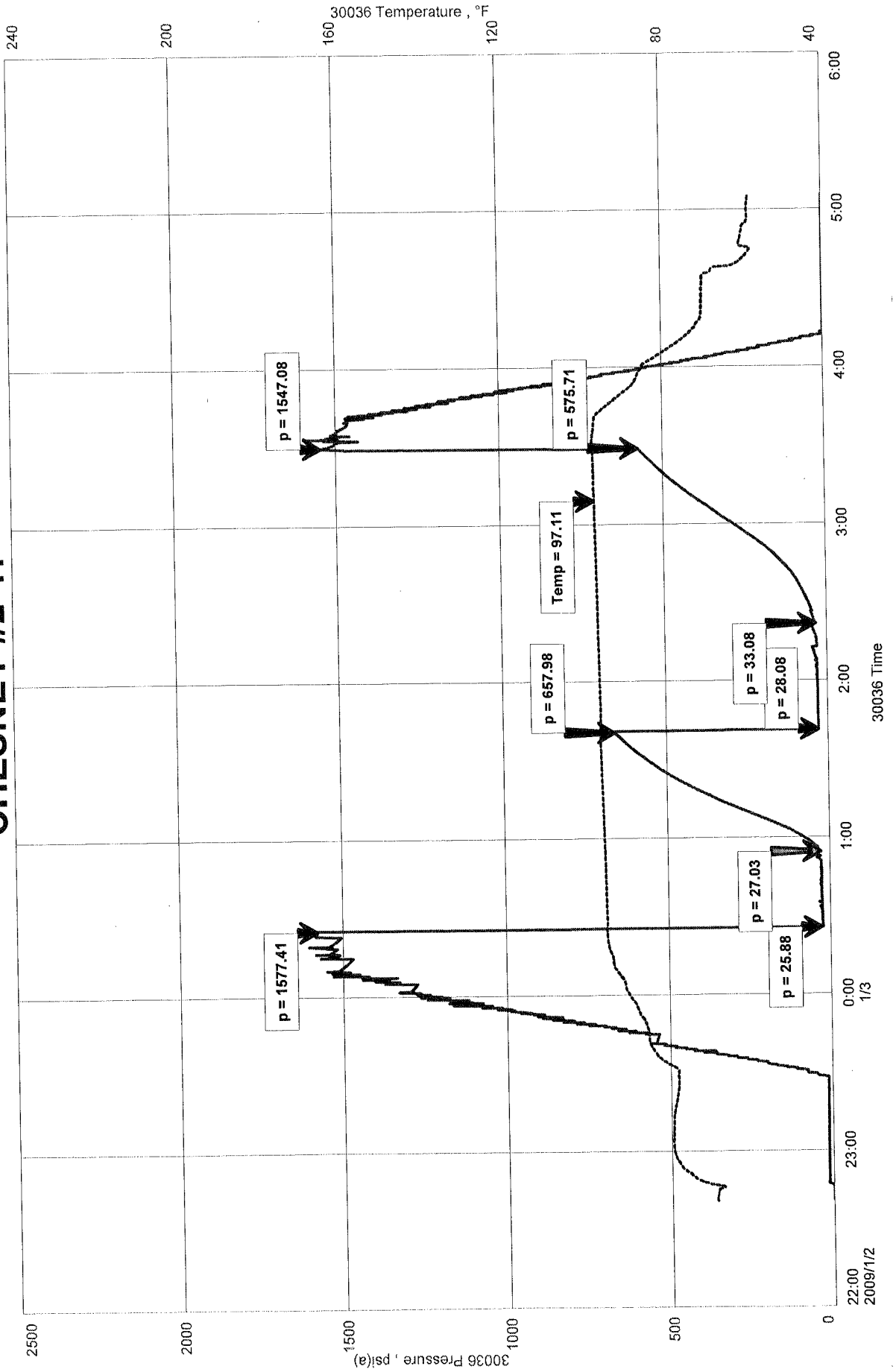
### Remarks:

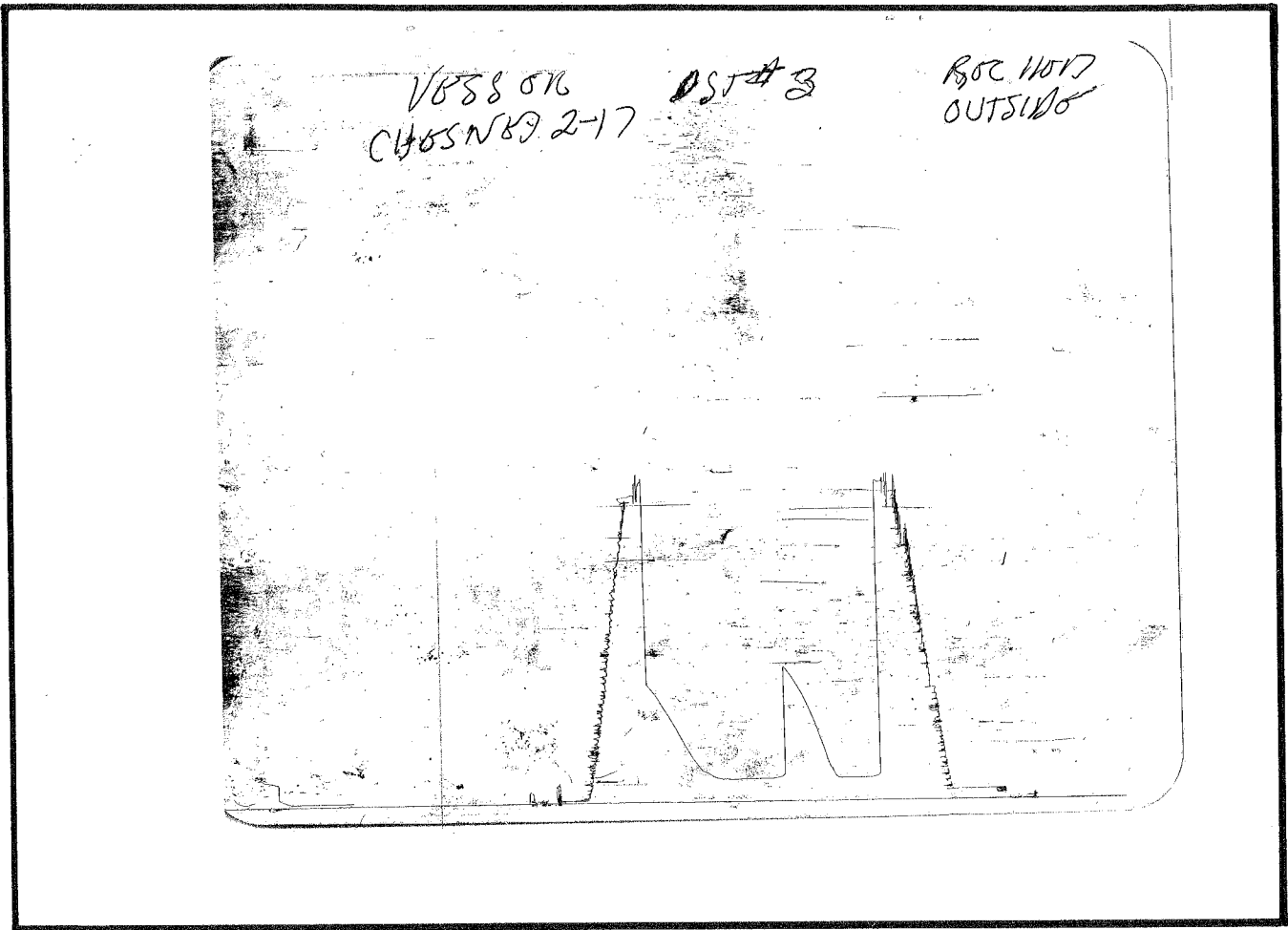
RECOVERY: 20' DRILLING MUD

CHESNEY #2-17  
Formation: LANSINF "H THRU L"  
Job Number: D528

VESS OIL CORP  
DST#3 3095 TO 3250  
Start Test Date: 2009/01/02  
Final Test Date: 2009/01/03

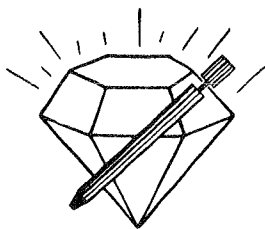
# CHESNEY #2-17





This is an actual photograph of recorder chart.

POINT	PRESSURE		Elec. Office Reading	PSI
	Field Reading			
(A) Initial Hydrostatic Mud	1577	1577		PSI
(B) First Initial Flow Pressure	26	26		PSI
(C) First Final Flow Pressure	27	27		PSI
(D) Initial Closed-in Pressure	658	658		PSI
(E) Second Initial Flow Pressure	28	28		PSI
(F) Second Final Flow Pressure	33	33		PSI
(G) Final Closed-in Pressure	576	576		PSI
(H) Final Hydrostatic Mud	1547	1547		PSI



**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(620) 653-7550 • (800) 542-7313  
STC 30036.D529

Company Vess Oil Corporation Lease & Well No. Chesney No. 2-17

Elevation 1769 KB Formation Conglomerate Chert Effective Pay -- Ft. Ticket No. J2326

Date 1-03-09 Sec. 17 Twp. 11S Range 16W County Ellis State Kansas

Test Approved By Roger L. Martin Diamond Representative John C. Riedl

Formation Test No. 4 Interval Tested from 3,253 ft. to 3,285 ft. Total Depth 3,285 ft.

Packer Depth 3,248 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Packer Depth 3,253 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set          ft.

Top Recorder Depth (Inside) 3,256 ft. Recorder Number 30036 Cap. 5,000 psi

Bottom Recorder Depth (Outside) 3,282 ft. Recorder Number 11017 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 63 Weight Pipe Length -- ft. I.D. -- in.

Weight 9.1 Water Loss 8.0 cc. Drill Pipe Length 3,227 ft. I.D. 3 1/2 in.

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

Jars: Make Sterling Serial Number 2 Anchor Length 32 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 blow, building throughout to 2 ins. at end. No blow back during shut-in.

2nd Open: Very weak, 1/8 in., blow. Flushed tool after 30 mins. Received surge, then very weak blow to end. No blow back during shut-in.

Recovered 5 ft. of free oil = .051300 bbls. (Grind out: 5%-gas; 95%-oil) Gravity: 29 @ 60°

Recovered 20 ft. of gas cut muddy oil = .205200 bbls. (Grind out: 5%-gas; 35%-mud; 60%-oil)

Recovered 25 ft. of TOTAL FLUID = .256500 bbls.

Recovered          ft. of         

Recovered          ft. of         

Remarks Tool Sample Grind Out: 5%-gas; 20%-mud; 75%-oil

Time Set Packer(s) 1:50 ~~XXX~~ P.M. Time Started Off Bottom 4:50 ~~AXM~~ P.M. Maximum Temperature 96°

Initial Hydrostatic Pressure          (A) 1641 P.S.I.

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

Initial Closed In Period          Minutes 45 (D) 874 P.S.I.

Final Flow Period          Minutes 45 (E) 24 P.S.I. to (F) 25 P.S.I.

Final Closed In Period          Minutes 60 (G) 837 P.S.I.

Final Hydrostatic Pressure          (H) 1604 P.S.I.

## GENERAL INFORMATION

### Client Information:

Company: VESS OIL CORP  
Contact: PAUL RAMONDETTA  
Phone: Fax: e-mail:

### Site Information:

Contact: ROGER MARTIN  
Phone: Fax: e-mail:

### Well Information:

Name: CHESNEY #2-17  
Operator: VESS OIL CORP  
Location-Downhole: DST #4 3253 TO 3285  
Location-Surface: S17/ 11S/ 16W ELLIS COUNTY

### Test Information:

Company: DIAMOND TESTING  
Representative: JOHN RIEDL  
Supervisor: ROGER MARTIN  
Test Type: CONVENTIONAL Job Number: D529  
Test Unit: 2  
Start Date: 2009/01/03 Start Time: 12:30:00  
End Date: 2009/01/03 End Time: 18:40:00  
Report Date: 2009/01/03 Prepared By: JOHN RIEDL

### Remarks:

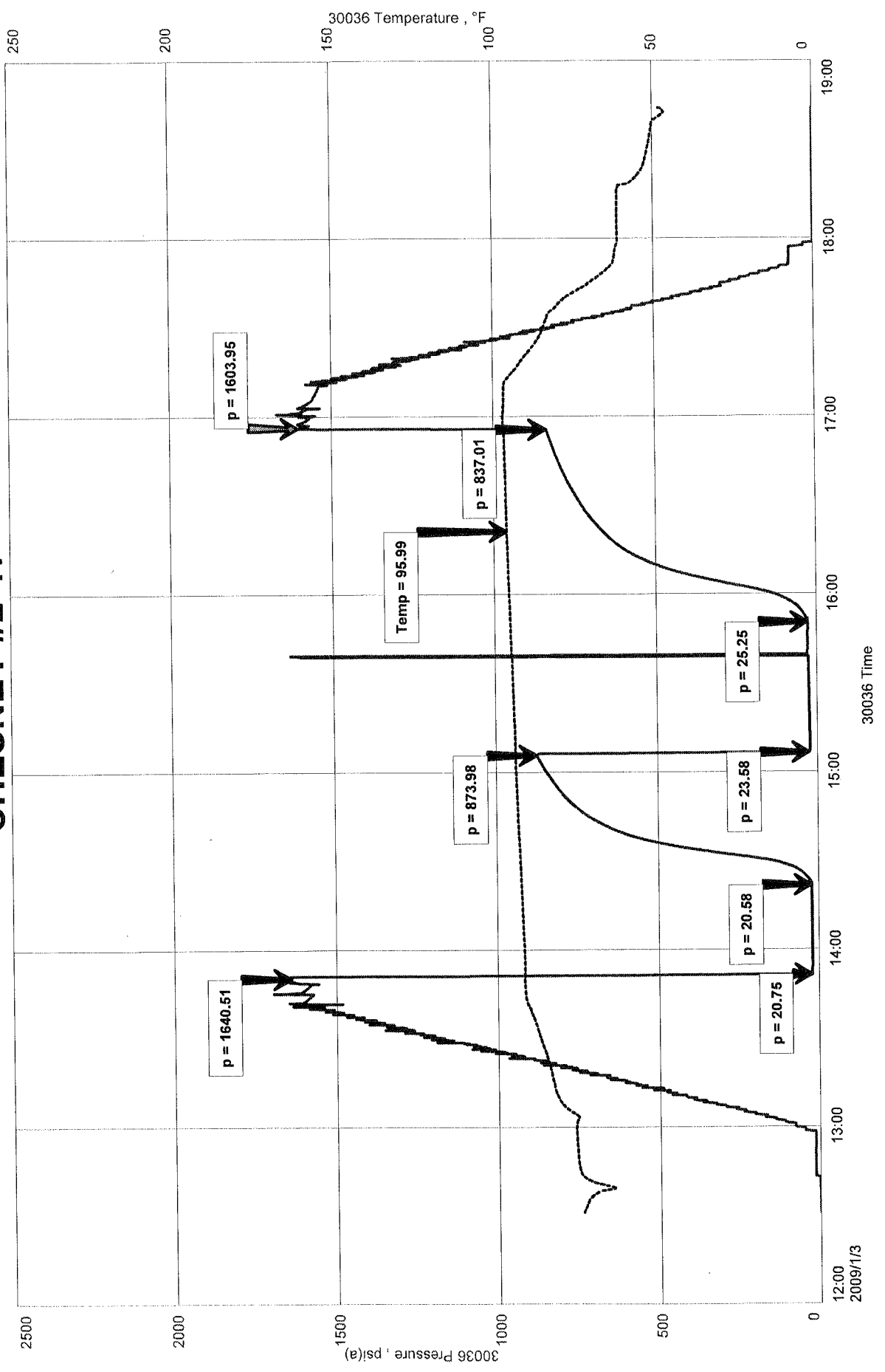
RECOVERY: 5' FREE OIL  
20' GAS CUT MUDDY OIL

Qualified By: ROGER MARTIN

CHESNEY #2-17  
Formation: CONGLOMERATE CHERT  
Job Number: D529

VESS OIL CORP  
DST #4 3253 TO 3285  
Start Test Date: 2009/01/03  
Final Test Date: 2009/01/03

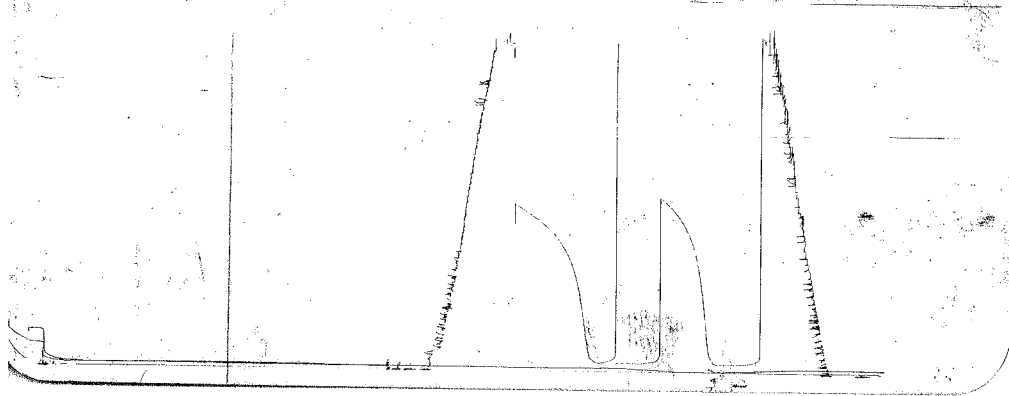
# CHESNEY #2-17



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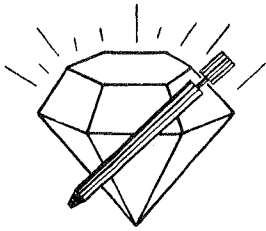
257 4

ROCHWOOD  
 007500



This is an actual photograph of recorder chart.

POINT	PRESSURE		Elec. Office Reading	PSI
	Field Reading			
(A) Initial Hydrostatic Mud	1641		1641	PSI
(B) First Initial Flow Pressure	21		21	PSI
(C) First Final Flow Pressure	21		21	PSI
(D) Initial Closed-in Pressure	874		874	PSI
(E) Second Initial Flow Pressure	24		24	PSI
(F) Second Final Flow Pressure	25		25	PSI
(G) Final Closed-in Pressure	837		837	PSI
(H) Final Hydrostatic Mud	1604		1604	PSI



# DIAMOND TESTING

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(620) 653-7550 • (800) 542-7313  
STC 30036.D530

Company Vess Oil Corporation Lease & Well No. Chesney No. 2-17  
Elevation 1769 KB Formation Arbuckle Effective Pay -- Ft. Ticket No. J2327  
Date 1-04-09 Sec. 17 Twp. 11S Range 16W County Ellis State Kansas  
Test Approved By Roger L. Martin Diamond Representative John C. Riedl

Formation Test No. 5 Interval Tested from 3,273 ft. to 3,328 ft. Total Depth 3,328 ft.  
Packer Depth 3,268 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.  
Packer Depth 3,273 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.  
Depth of Selective Zone Set          ft.

Top Recorder Depth (Inside) 3,276 ft. Recorder Number 30036 Cap. 5,000 psi  
Bottom Recorder Depth (Outside) 3,325 ft. Recorder Number 11017 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 61 Weight Pipe Length -- ft. I.D. -- in.  
Weight 9.2 Water Loss 9.2 cc. Drill Pipe Length 3,247 ft. I.D. 3 1/2 in.  
Chlorides 3,900 P.P.M. Test Tool Length 26 ft. Tool Size 3 1/2 - IF in.  
Jars: Make Sterling Serial Number 2 Anchor Length 55 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 10 mins. No blow back during shut-in.  
2nd Open: Fair, 3 in., blow in 10 mins., building to 4 ins. by end. No blow back during shut-in.

Recovered 60 ft. of gas in pipe  
Recovered 6 ft. of oil cut mud = .061560 bbls. (Grind out: 20%-oil; 80%-mud)  
Recovered 280 ft. of slightly water cut heavily oil cut mud = 2.872800 bbls. (Grind out: 10%-water; 40%-oil; 50%-mud)  
Recovered 124 ft. of slightly oil cut muddy water = 1.272240 bbls. (Grind out: 3%-oil; 22%-mud; 75%-water)  
Recovered 410 ft. of TOTAL FLUID = 4.206600 bbls. Chlorides: 20,000 Ppm Resistivity: 0.9 @ 50°  
Remarks Tool Sample Grind Out: 100%-water with oil specks Chlorides: 20,000 Ppm

Time Set Packer(s) 12:25 ~~XXM.~~ P.M. Time Started Off Bottom 3:25 ~~XXM.~~ P.M. Maximum Temperature 103°  
Initial Hydrostatic Pressure ..... (A) 1657 P.S.I.  
Initial Flow Period ..... Minutes 30 (B) 26 P.S.I. to (C) 121 P.S.I.  
Initial Closed In Period ..... Minutes 45 (D) 1119 P.S.I.  
Final Flow Period ..... Minutes 45 (E) 121 P.S.I. to (F) 200 P.S.I.  
Final Closed In Period ..... Minutes 60 (G) 1120 P.S.I.  
Final Hydrostatic Pressure ..... (H) 1620 P.S.I.

## GENERAL INFORMATION

### Client Information:

Company: VESS OIL CORP  
Contact: PAUL RAMONDETTA  
Phone: Fax: e-mail:

### Site Information:

Contact: ROGER MARTIN  
Phone: Fax: e-mail:

### Well Information:

Name: CHESNEY #2-17  
Operator: VESS OIL CORP  
Location-Downhole: DST #5 3273 TO 3328  
Location-Surface: S17/ 11S/ 16W ELLIS COUNTY

### Test Information:

Company: DIAMOND TESTING  
Representative: JOHN RIEDL  
Supervisor: ROGER MARTIN  
Test Type: CONVENTIONAL Job Number: D530  
Test Unit: 2  
Start Date: 2009/01/04 Start Time: 10:45:00  
End Date: 2009/01/04 End Time: 18:10:00  
Report Date: 2009/01/04 Prepared By: JOHN RIEDL  
Qualified By: ROGER MARTIN

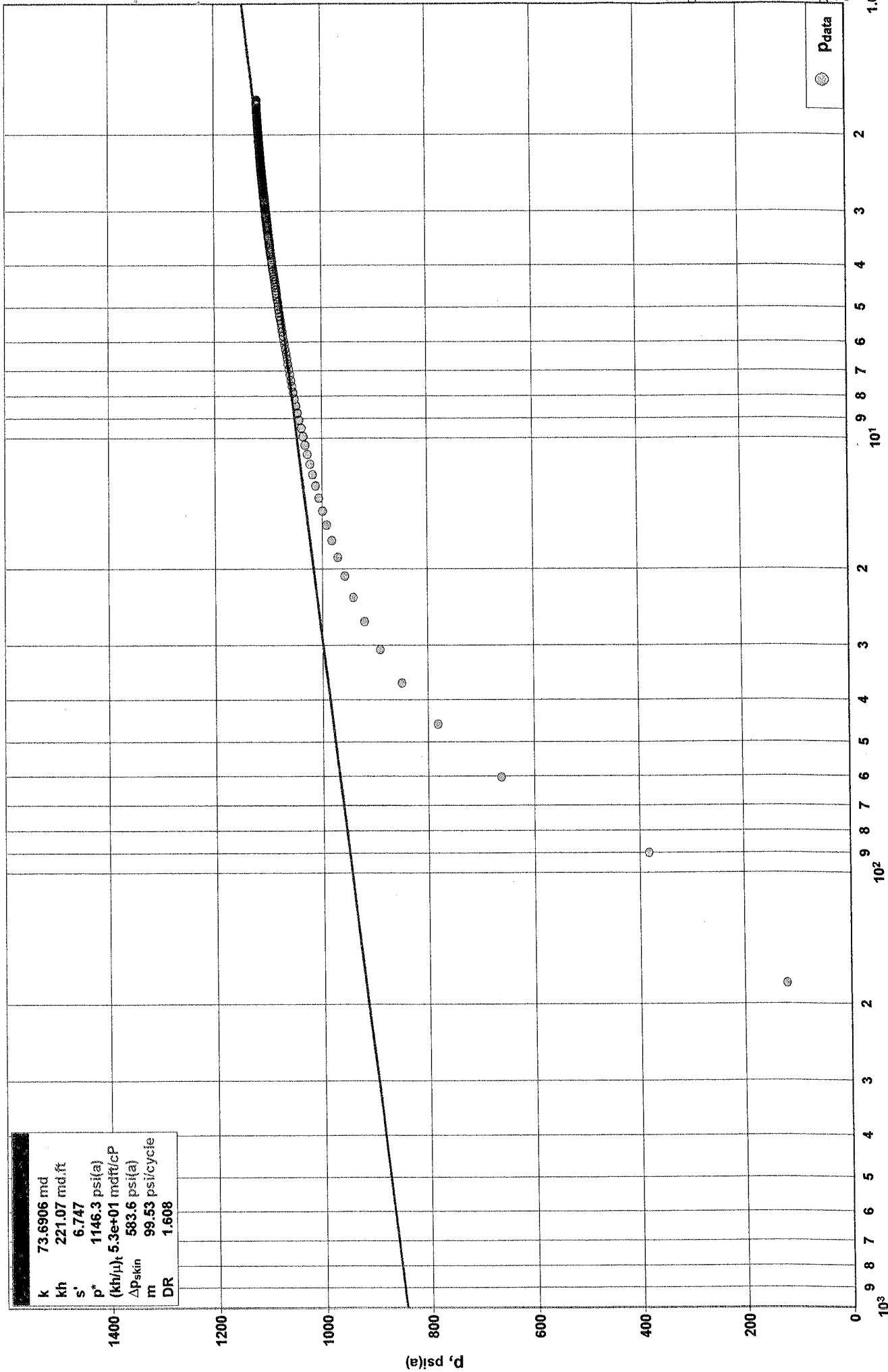
### Remarks:

RECOVERY: 60' GAS IN PIPE  
6' OIL CUT MUD  
280' SLIGHTLY WATER CUT HEAVY OIL CUT MUD  
124' SLIGHTLY OIL CUT MUDDY WATER  
TOTAL FLUID REC' 410' IN DRILL PIPE

**DST #5 INITIAL SHUT**  
HORNER PLOT

VESS OIL CORP  
CHESNEY #2-17  
DST #5 ARB. 3,273' - 3,328

k	73.6906 md
kh	221.07 md.ft
s'	6.747
p*	1146.3 psi(a)
(kh/μ) 5.3e+01	mdft/cP
Δp <sub>skin</sub>	583.6 psi(a)
m	99.53 psi/cycle
DR	1.608



Superposition Radial Time ( $\Sigma\Delta t$ ), h

# Oil Well Test - Buildup Radial Flow Analysis

Page 4 of 8 Pages

VESS OIL CORP  
CHESNEY #2-17

DST #5 ARB. 3,273' - 3,328

## Analysis Results

Total Sandface Rate ( $q_t B_t$ )	32.344 bbl/d	Apparent Skin ( $s'$ )	6.747
Semilog Slope (m)	99.53	Skin - Damage	6.747
Gas Permeability ( $k_g$ )	md	Skin - Inclination	
Oil Permeability ( $k_o$ )	73.691 md	Skin - Partial Penetration	
Water Permeability ( $k_w$ )	md	Pressure Drop Due to Skin ( $\Delta p_s$ )	583.55 psi
Flow Capacity (kh)	221.072 md.ft	Damage Ratio (DR)	1.608
Total Mobility ( $k/\mu_t$ )	17.61 md/cp	Flow Efficiency (FE)	0.622
Total Transmissivity ( $kh/\mu_t$ )	52.84 md.ft/cp		

## Reservoir Parameters

Net Pay (h)	3.000 ft
Total Porosity ( $\phi_t$ )	20.00 %
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)	103.0 °F
Formation Compressibility ( $c_f$ )	3.647e-6 psi <sup>-1</sup>
Total Compressibility ( $c_t$ )	1.068e-5 psi <sup>-1</sup>

## Pressures

Initial Pressure ( $p_i$ )	1666.23 psi
Extrapolated Pressure ( $p^*$ )	1146.35 psi
Final Flowing Pressure ( $p_{wfo}$ )	122.36 psi

## Production and Times

Corrected Flow Time ( $t_c$ )	0.4945 hr
Cumulative Oil Production	0.580 bbl
Final Oil Rate	28.000 bbl/d

## Fluid Properties

Oil Compressibility ( $c_o$ )	8.02823e-6 psi <sup>-1</sup>
Oil Formation Volume Factor ( $B_o$ )	1.155
Oil Viscosity ( $\mu_o$ )	4.184 cp
Solution Gas Ratio ( $R_g$ )	283 scf/bbl
Oil Gravity ( $\gamma_o$ )	28.00 ° API
Gas Gravity (G)	0.650
PVT Reference Pressure ( $pp_{VT}$ )	1666.23 psi



# Oil Well Test - Buildup Radial Flow Analysis

VESS OIL CORP  
CHESNEY #2-17

DST #5 ARB. 3,273' - 3,328

## Analysis Results

Total Sandface Rate ( $q_i B_t$ )	32.344 bbl/d	Apparent Skin (s')	12.148
Semilog Slope (m)	60.41	Skin - Damage	12.148
Gas Permeability ( $k_g$ )	md	Skin - Inclination	
Oil Permeability ( $k_o$ )	121.405 md	Skin - Partial Penetration	
Water Permeability ( $k_w$ )	md	Pressure Drop Due to Skin ( $\Delta p_s$ )	637.77 psi
Flow Capacity (kh)	364.216 md.ft	Damage Ratio (DR)	1.789
Total Mobility ( $k/\mu_{eff}$ )	29.02 md/cp	Flow Efficiency (FE)	0.565
Total Transmissivity ( $kh/\mu_{eff}$ )	87.05 md.ft/cp		

## Reservoir Parameters

Net Pay (h)	3.000 ft
Total Porosity ( $\phi_t$ )	20.00 %
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)	103.0 °F
Formation Compressibility ( $c_f$ )	3.647e-6 psi <sup>-1</sup>
Total Compressibility ( $c_t$ )	1.068e-5 psi <sup>-1</sup>

## Pressures

Initial Pressure ( $p_i$ )	1666.23 psi
Extrapolated Pressure ( $p^*$ )	1135.43 psi
Final Flowing Pressure ( $p_{wfo}$ )	199.23 psi

## Production and Times

Corrected Flow Time ( $t_c$ )	1.2333 hr
Cumulative Oil Production	1.442 bbl
Final Oil Rate	28.000 bbl/d

## Fluid Properties

Oil Compressibility ( $c_o$ )	8.02823e-6 psi <sup>-1</sup>
Oil Formation Volume Factor ( $B_o$ )	1.155
Oil Viscosity ( $\mu_{effo}$ )	4.184 cp
Solution Gas Ratio ( $R_s$ )	283 scf/bbl
Oil Gravity ( $\gamma_o$ )	28.00 ° API
Gas Gravity (G)	0.650
PVT Reference Pressure ( $p_{pVT}$ )	1666.23 psi

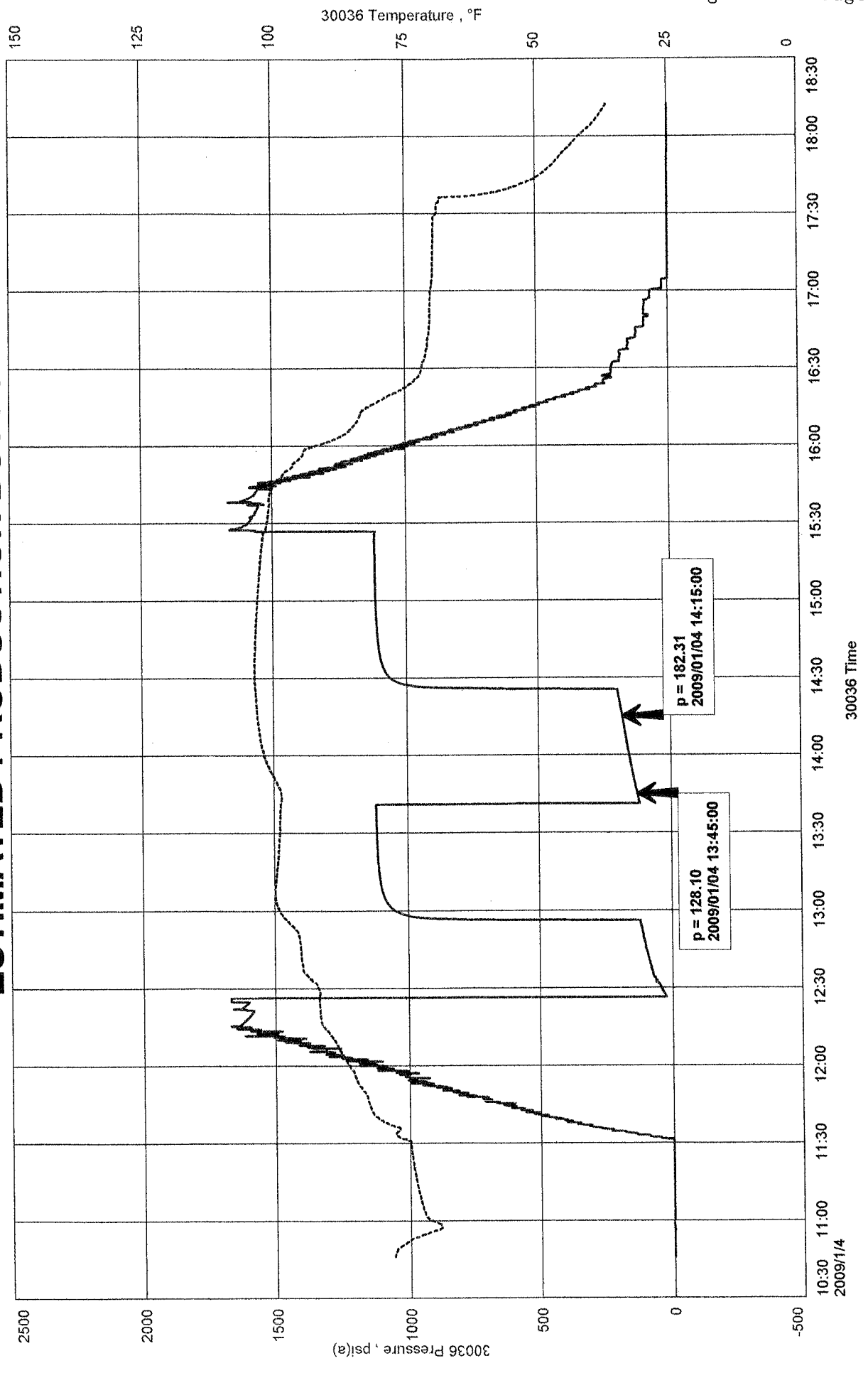
VESS OIL CORPORATION  
 CHESNEY #2-17  
 DST #5 ARB. 3,273' - 3,328'

ESTIMATED DAILY PRODUCTION  
 DRILL-

<u>DESCRIPTION</u>	<u>SECOND READING</u>	<u>FIRST READING</u>	<u>PRESSURE CHANGE</u>	<u>PIPE SIZE-ID</u>	<u>FLUID GRADIENT</u>	<u>TIME CHANGE</u>	<u>TOTAL TIME</u>	<u>DAILY PRODUCTION</u>	<u>AVERAGE PERCENTAGE OIL</u>	<u>ESTIMATED DAILY PRODUCTION</u>
FINAL FLOW	182	128	54	0.0142	0.366	30	1440	101	28.00%	28

# ESTIMATED PRODUCTION DST #5

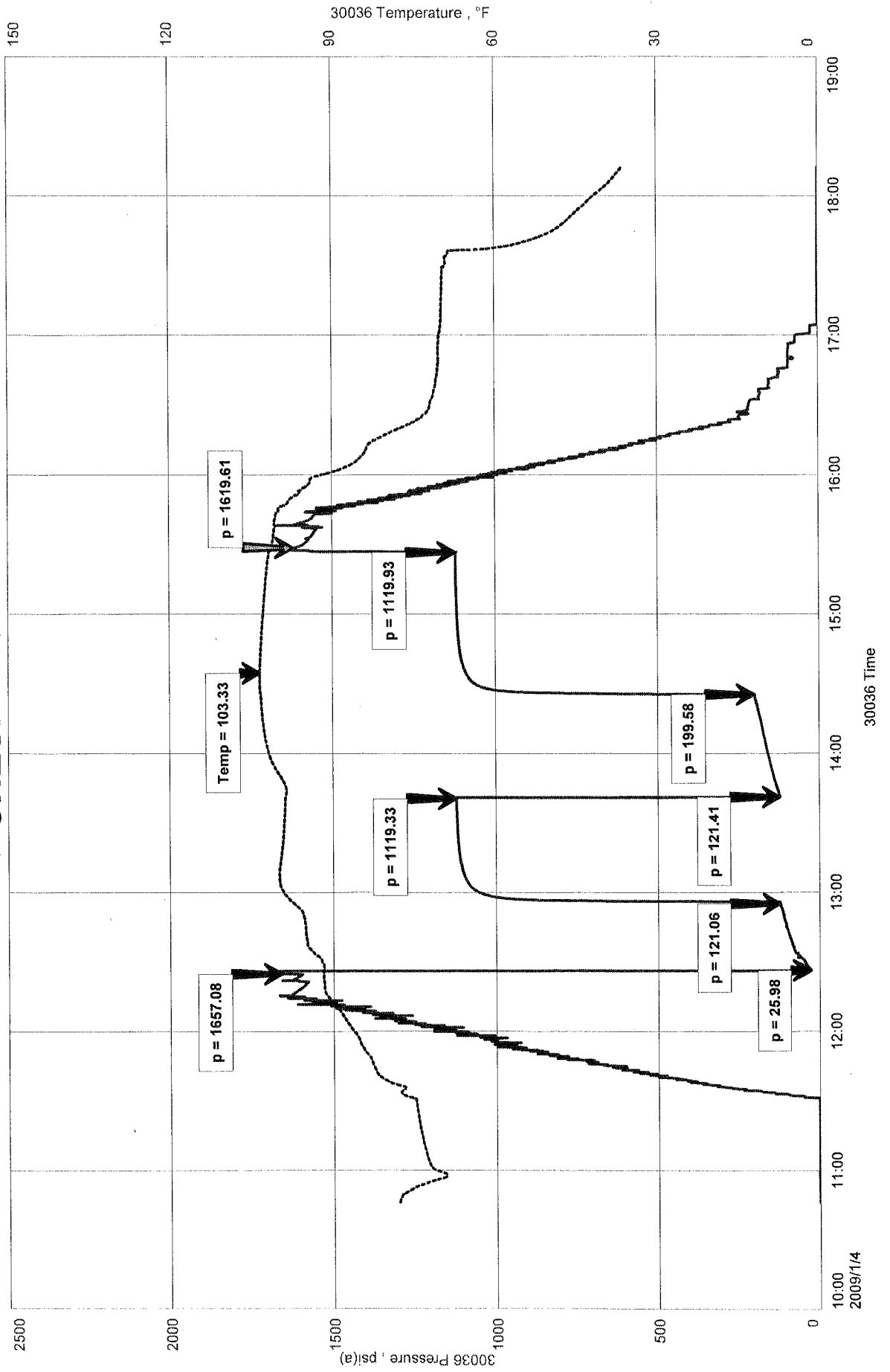
VESS OIL CORP  
DST #5 3273 TO 3328  
Start Test Date: 2009/01/04  
Final Test Date: 2009/01/04



CHESNEY #2-17  
Formation: ARBUCKLE  
Job Number: D530

VESSEIL OIL CORP  
DST #5 3273 TO 3328  
Start Test Date: 2009/01/04  
Final Test Date: 2009/01/04

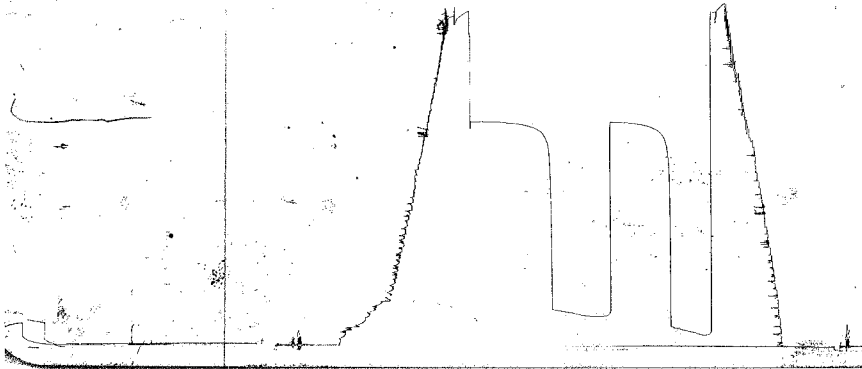
# CHESNEY #2-17



VBS 516  
 CHOSNOX 2-17

DSTS

REC-11012  
 05/11/15



This is an actual photograph of recorder chart.

POINT	PRESSURE Elec.		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud .....	1657	1657	PSI
(B) First Initial Flow Pressure.....	26	26	PSI
(C) First Final Flow Pressure .....	121	121	PSI
(D) Initial Closed-in Pressure .....	1119	1119	PSI
(E) Second Initial Flow Pressure.....	121	121	PSI
(F) Second Final Flow Pressure.....	200	200	PSI
(G) Final Closed-in Pressure.....	1120	1120	PSI
(H) Final Hydrostatic Mud.....	1620	1620	PSI