

DIAMOND TESTING, LLC
P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313
BSS10DST1

Company Vess Oil Corporation Lease & Well No. Bass No. 10
Elevation 2277 KB Formation Toronto-Lansing/Kansas City "F" Effective Pay _____ Ft. Ticket No. M528
Date 8-15-13 Sec. 12 Twp. 10S Range 21W County Graham State Kansas
Test Approved By Roger L. Martin Diamond Representative Mike Cochran

Formation Test No. 1 Interval Tested from 3,481 ft. to 3,615 ft. Total Depth 3,615 ft.
Packer Depth 3,476 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Packer Depth 3,481 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Depth of Selective Zone Set _____ ft.

Top Recorder Depth (Inside) 3,463 ft. Recorder Number 0063 Cap. 6,000 psi.
Bottom Recorder Depth (Outside) 3,612 ft. Recorder Number 6884 Cap. 6,275 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 57 Weight Pipe Length _____ ft I.D. _____ in.
Weight 9.2 Water Loss 7.4 cc. Drill Pipe Length 3,449 ft I.D. 3 1/4 in.
Chlorides 1,700 P.P.M. Test Tool Length 32 ft Tool Size 3 1/2-IF in.
Jars: Make Sterling Serial Number 1 Anchor Length 39' perf. w/95' 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: Weak, surface blow increasing to 1 1/2 ins. No blow back during shut-in.
2nd Open: Very weak, surface blow increasing to 1 1/4 ins. No blow back during shut-in.

Recovered 62 ft. of drilling mud w/some gassy bubbles = .636120 bbls. (Grind out: 100%-mud)
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____

Remarks Tool Sample Grind Out: 100%-drilling mud w/some gassy bubbles & a few spots of oil & a slight sulphur odor

Time Set Packer(s) 4:30 P.M. Time Started off Bottom 7:30 P.M. Maximum Temperature 107°
Initial Hydrostatic Pressure.....(A) 1663 P.S.I.
Initial Flow Period.....Minutes 30 (B) 10 P.S.I. to (C) 25 P.S.I.
Initial Closed In Period.....Minutes 45 (D) 609 P.S.I.
Final Flow Period.....Minutes 45 (E) 27 P.S.I. to (F) 45 P.S.I.
Final Closed In Period.....Minutes 60 (G) 564 P.S.I.
Final Hydrostatic Pressure.....(H) 1641 P.S.I.

DIAMOND TESTING

Pressure Survey Report

General Information

Company Name	VESS OIL CORPORATION	Job Number	M528
Well Name	BASS #10	Representative	MIKE COCHRAN
Unique Well ID	DST#1 3481-3615 TORONTO-LKC-F ZN	Well Operator	VESS OIL CORPORATION
Surface Location	SEC.12-10S-21W GRAHAM CO.KS.	Report Date	2013/08/15
Field	WILDCAT	Prepared By	MIKE COCHRAN
Well Type	Vertical	Qualified By	ROGER MARTIN
		Test Unit	NO. 1

Test Information

Test Type	CONVENTIONAL
Formation	DST#1 3481-3615 TORONTO-LKC-F ZN
Test Purpose (AEUB)	Initial Test

Start Test Date	2013/08/15	Start Test Time	13:20:00
Final Test Date	2013/08/15	Final Test Time	21:30:00
		Well Fluid Type	01 Oil

Gauge Name	0063
Gauge Serial Number	

Test Results

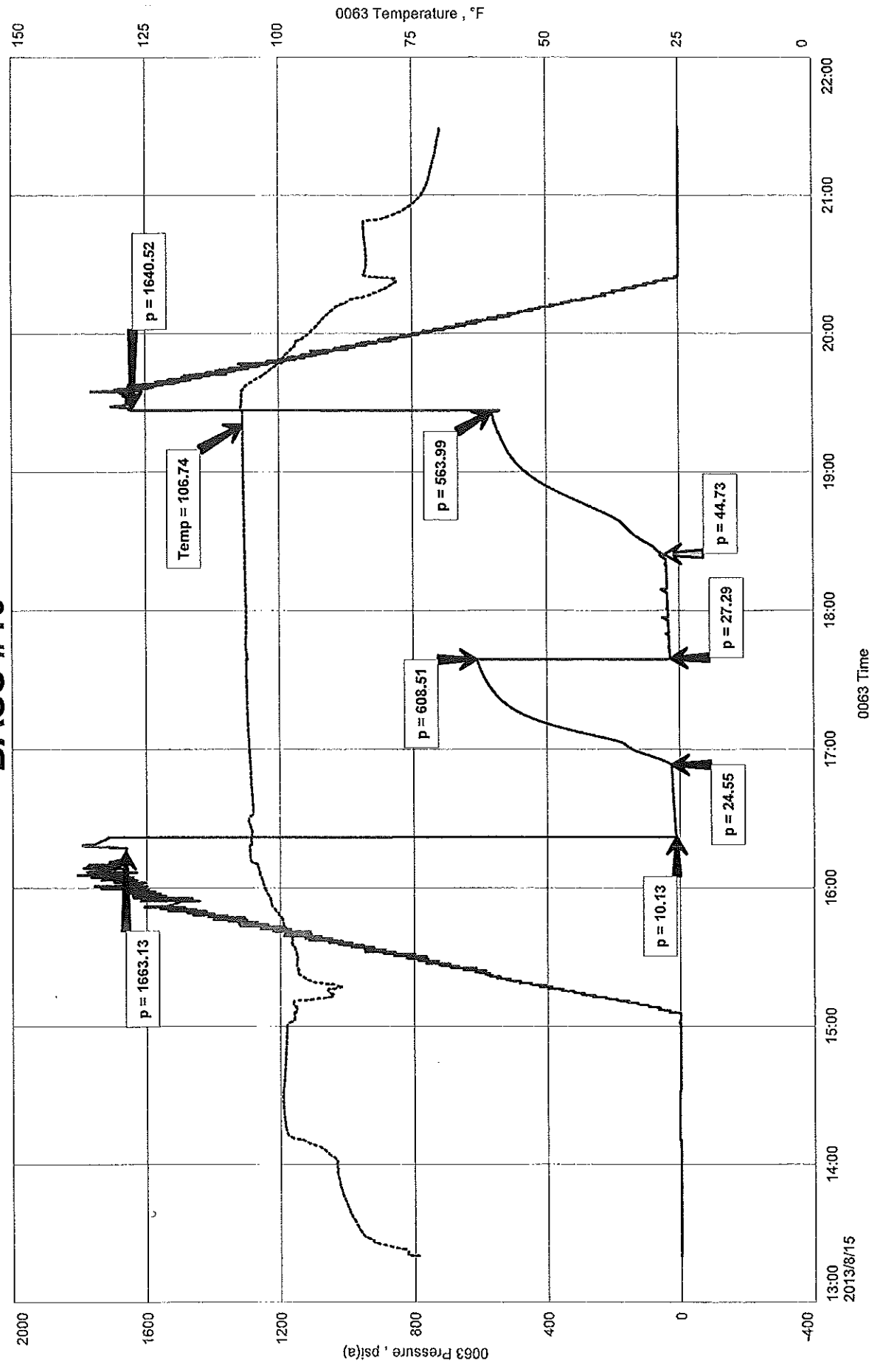
Remarks RECOVERED:
62' DM 100% MUD WSOME GASSY BUBBLES
62' TOTAL FLUID

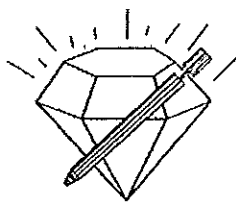
TOOL SAMPLE: 100% DM W/ SOME GASSY BUBBLES AND A FEW SPOTS OF OIL & A SLIGHT SULPHUR ODOR

VESS OIL CORPORATION
 DST#1 3481-3615 TORONTO-LKC-F ZN
 Start Test Date: 2013/08/15
 Final Test Date: 2013/08/15

BASS #10
 Formation: DST#1 3481-3615 TORONTO-LKC-F ZN
 Pool: WILDCAT
 Job Number: M528

BASS #10





DIAMOND TESTING, LLC
P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313
BSS10DST2

Company Vess Oil Corporation Lease & Well No. Bass No. 10
Elevation 2277 KB Formation Kansas City "H-L" Effective Pay _____ Ft. Ticket No. M529
Date 8-16-13 Sec. 12 Twp. 10S Range 21W County Graham State Kansas
Test Approved By Roger L. Martin Diamond Representative Mike Cochran

Formation Test No. 2 Interval Tested from 3,640 ft. to 3,767 ft. Total Depth 3,767 ft.
Packer Depth 3,635 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Packer Depth 3,640 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Depth of Selective Zone Set _____ ft.

Top Recorder Depth (Inside) 3,622 ft. Recorder Number 0063 Cap. 6,000 psi.
Bottom Recorder Depth (Outside) 3,764 ft. Recorder Number 6884 Cap. 6,275 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 9.2 cc. Drill Pipe Length 3,608 ft I.D. 3 1/4 in.
Chlorides 3,000 P.P.M. Test Tool Length 32 ft Tool Size 3 1/2-IF in.
Jars: Make Sterling Serial Number 1 Anchor Length 32' perf. w/95' 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: Weak, surface blow increasing to 1 1/4 ins. No blow back during shut-in.

2nd Open: Weak, surface blow increasing to 2 1/2 ins. No blow back during shut-in.

Recovered 31 ft. of slightly oil cut mud = .318060 bbls. (Grind out: 8%-oil; 92%-mud)

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Remarks Tool Sample Grind Out: 3%-gas; 20%-oil; 2%-water; 75%-mud

80,000 lbs. & jars to free up (string wt. 56,000)

Time Set Packer(s) 5:00 P.M. Time Started off Bottom 8:00 P.M. Maximum Temperature 107°
Initial Hydrostatic Pressure.....(A) 1756 P.S.I.
Initial Flow Period.....Minutes 30 (B) 9 P.S.I. to (C) 16 P.S.I.
Initial Closed In Period.....Minutes 45 (D) 427 P.S.I.
Final Flow Period.....Minutes 45 (E) 17 P.S.I. to (F) 23 P.S.I.
Final Closed In Period.....Minutes 60 (G) 298 P.S.I.
Final Hydrostatic Pressure.....(H) 1756 P.S.I.

DIAMOND TESTING

Pressure Survey Report

General Information

Company Name	VESS OIL CORPORATION	Job Number	M529
Well Name	BASS #10	Representative	MIKE COCHRAN
Unique Well ID	DST#2 3640-3767 KC: H-L ZNS	Well Operator	VESS OIL CORPORATION
Surface Location	SEC.12-10S-21W GRAHAM CO.KS.	Report Date	2013/08/16
Field	WILDCAT	Prepared By	MIKE COCHRAN
Well Type	Vertical	Qualified By	ROGER MARTIN
		Test Unit	NO. 1

Test Information

Test Type	CONVENTIONAL		
Formation	DST#2 3640-3767 KC: H-L ZNS		
Test Purpose (AEUB)	Initial Test		
Start Test Date	2013/08/16	Start Test Time	15:00:00
Final Test Date	2013/08/16	Final Test Time	20:10:00
		Well Fluid Type	01 Oil
Gauge Name	0063		
Gauge Serial Number			

Test Results

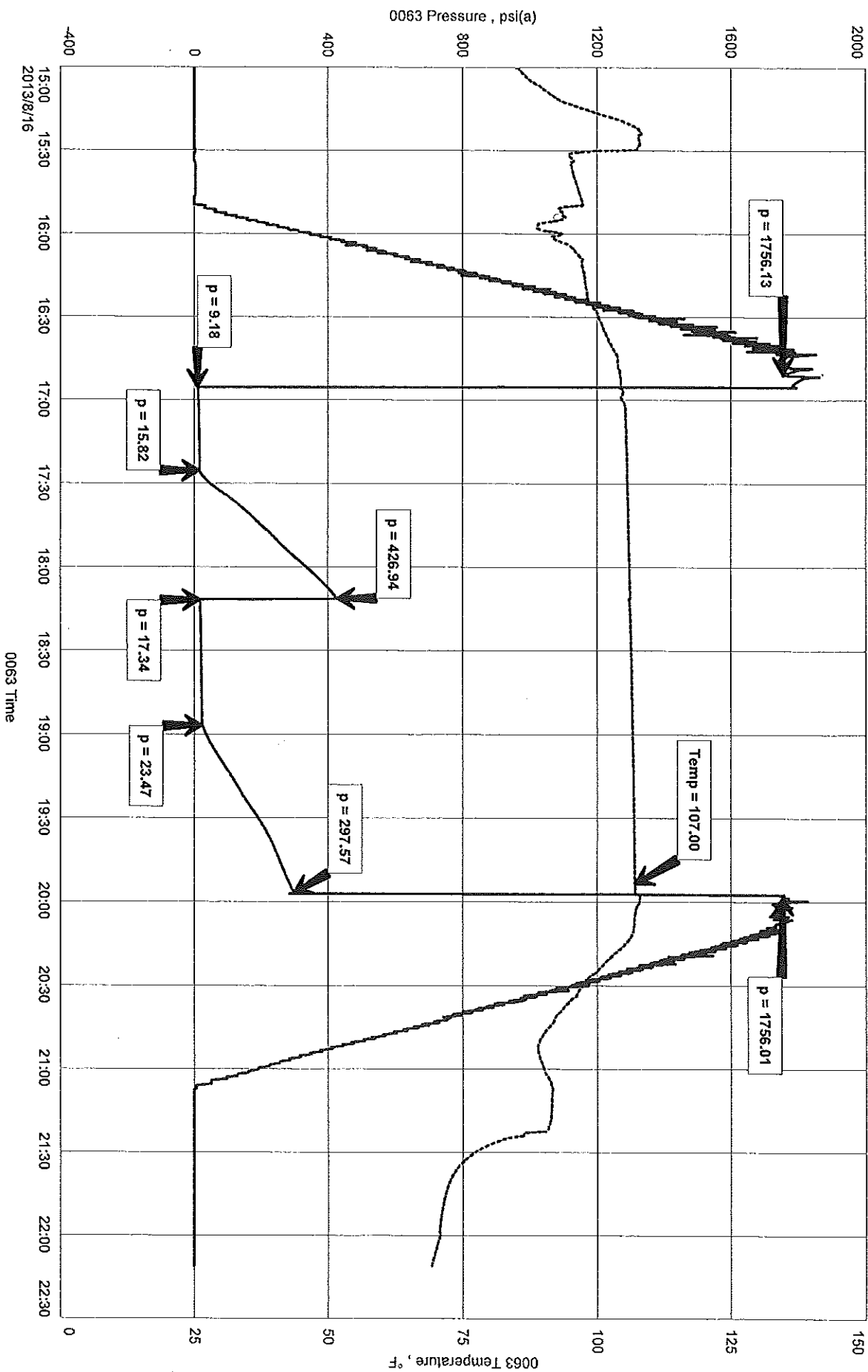
Remarks RECOVERED:
31' SOCM 8% OIL, 92% MUD
31' TOTAL FLUID

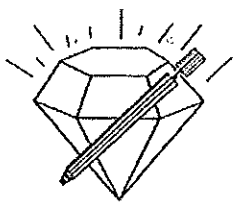
TOOL SAMPLE: 3% GAS, 20% OIL, 2% WTR, 75% MUD

VESS OIL CORPORATION
 DST#2 3640-3767 KC: H-L ZNS
 Start Test Date: 2013/08/16
 Final Test Date: 2013/08/16

BASS #10

BASS #10
 Formation: DST#2 3640-3767 KC: H-L ZNS
 Pool: WILDCAT
 Job Number: M529





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P.O. Box 157
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BSS10DST3

Company Vess Oil Corporation Lease & Well No. Bass No. 10
Elevation 2277 KB Formation Arbuckle Effective Pay _____ Ft. Ticket No. M530
Date 8-17-13 Sec. 12 Twp. 10S Range 21W County Graham State Kansas
Test Approved By Roger L. Martin Diamond Representative Mike Cochran

Formation Test No. 3 Interval Tested from 3,743 ft. to 3,814 ft. Total Depth 3,814 ft.
Packer Depth 3,738 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Packer Depth 3,743 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Depth of Selective Zone Set _____ ft.

Top Recorder Depth (Inside) 3,725 ft. Recorder Number 0063 Cap. 6,000 psi.
Bottom Recorder Depth (Outside) 3,811 ft. Recorder Number 6884 Cap. 6,275 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 9.2 cc. Drill Pipe Length 3,711 ft. I.D. 3 1/4 in.
Chlorides 3,000 P.P.M. Test Tool Length 32 ft. Tool Size 3 1/2-IF in.
Jars: Make Sterling Serial Number 1 Anchor Length 40' 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: Good, surface blow increasing to 3 ins. No blow back during shut-in.

2nd Open: Very weak, surface blow increasing to 1 1/4 ins. No blow back during shut-in.

Recovered 1 ft. of clean oil = .010260 bbls. (Grind out: 100%-oil) Gravity: 31.4 @ 60°
Recovered 44 ft. of slightly oil cut watery mud = .451440 bbls. (Grind out: 5%-oil; 11%-water; 84%-mud) Chlorides: 8,000 Ppm PH: 7.0 RW: .70 @ 76°
Recovered 45 ft. of TOTAL FLUID = .461700 bbls.
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Remarks Tool Sample Grind Out: 10%-oil; 20%-water; 70%-mud

Time Set Packer(s) 12:30 P.M. Time Started off Bottom 3:30 P.M. Maximum Temperature 106°
Initial Hydrostatic Pressure.....(A) 1826 P.S.I.
Initial Flow Period.....Minutes 30 (B) 10 P.S.I. to (C) 22 P.S.I.
Initial Closed In Period.....Minutes 45 (D) 239 P.S.I.
Initial Flow Period.....Minutes 45 (E) 23 P.S.I. to (F) 32 P.S.I.
Initial Closed In Period.....Minutes 60 (G) 230 P.S.I.
Initial Hydrostatic Pressure.....(H) 1818 P.S.I.

DIAMOND TESTING

Pressure Survey Report

General Information

Company Name	VESS OIL CORPORATION	Job Number	M530
Well Name	BASS #10	Representative	MIKE COCHRAN
Unique Well ID	DST#3 3743-3814 ARBUCKLE	Well Operator	VESS OIL CORPORATION
Surface Location	SEC.12-10S-21W GRAHAM CO.KS.	Report Date	2013/08/17
Field	WILDCAT	Prepared By	MIKE COCHRAN
Well Type	Vertical	Qualified By	ROGER MARTIN
		Test Unit	NO. 1

Test Information

Test Type	CONVENTIONAL		
Formation	DST#3 3743-3814 ARBUCKLE		
Test Purpose (AEUB)	Initial Test		
Start Test Date	2013/08/17	Start Test Time	10:15:00
Final Test Date	2013/08/17	Final Test Time	17:55:00
		Well Fluid Type	01 OIL
Gauge Name	0063		
Gauge Serial Number			

Test Results

Remarks RECOVERED:

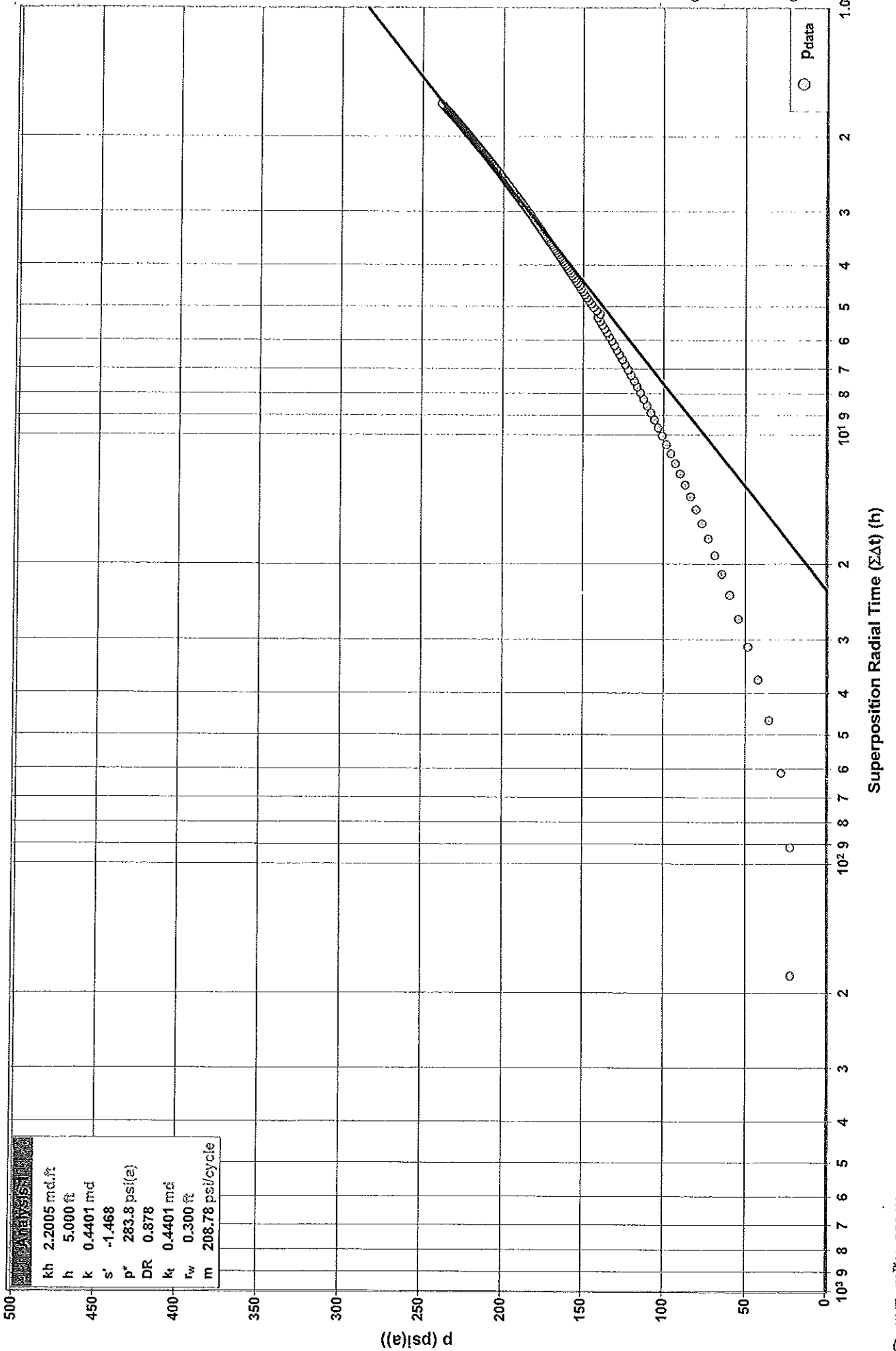
<1 CO 100% OIL
~44' SOCWM 5% OIL, 11% WTR, 84% MUD
45' TOTAL FLUID

GRAVITY: 31.4 @ 60 DEG

CHLOR: 8,000 PPM
PH:7.0
RW: .70 @ 76 DEG

TOOL SAMPLE: 10% OIL, 20% WTR, 70% MUD

VESSEIL OIL CORPORATION
 BASS #10
 DST #3 ARBUCKLE 3,743' - 3,814'
 DST #3 INITIAL SHUT IN
 Radial



Analysis	
kh	2.2005 md.ft
h	5.000 ft
k	0.4401 md
s'	-1.468
p*	283.8 psf(a)
DR	0.878
k _t	0.4401 md
r _w	0.300 ft
m	208.78 psi/cycle

Oil Well Test - Buildup

Radial Flow Analysis

Analysis Results

Flow Capacity (kh)	2.2 md.ft	Total Skin (s')	-1.468
Effective Permeability (k)	0.4401 md	Skin Due to Damage (s _d)	-1.468
Effective Gas Permeability (k _g)	md	Skin Due To Inclination (s _{inc})	
Effective Oil Permeability (k _o)	0.4401 md	Skin Due To Partial Penetration (s _{pp})	
Effective Water Permeability (k _w)	md	Pressure Drop Due to Total Skin (Δp _{skin})	psi(a)
Total Fluid Rate (in situ) ((qβ) _i)	1.2 rbbl/d	Damage Ratio (DR)	0.878
Total Mobility ((k/μ) _i)	0.19 md/cP	Flow Efficiency (FE)	1.139
Total Transmissivity ((kh/μ) _i)	0.93 mdft/cP		
Slope (m)	208.78 psi/cycle		

Reservoir Parameters

Net Pay (h)	5.000 ft
Total Porosity (φ _t)	15.00 %
Gas Saturation (S _g)	0.00 %
Oil Saturation (S _o)	80.00 %
Water Saturation (S _w)	20.00 %
Formation Compressibility (c _f)	4.1093e-06 1/psi
Total Compressibility (c _t)	1.1983e-05 1/psi
Wellbore Radius (r _w)	0.300 ft

Pressures

Extrapolated Pressure (p*)	283.8 psi(a)
Final Flowing Pressure (p _{wf})	21.9 psi(a)
Final Measured Pressure (p _{last})	-1.1 psi(a)

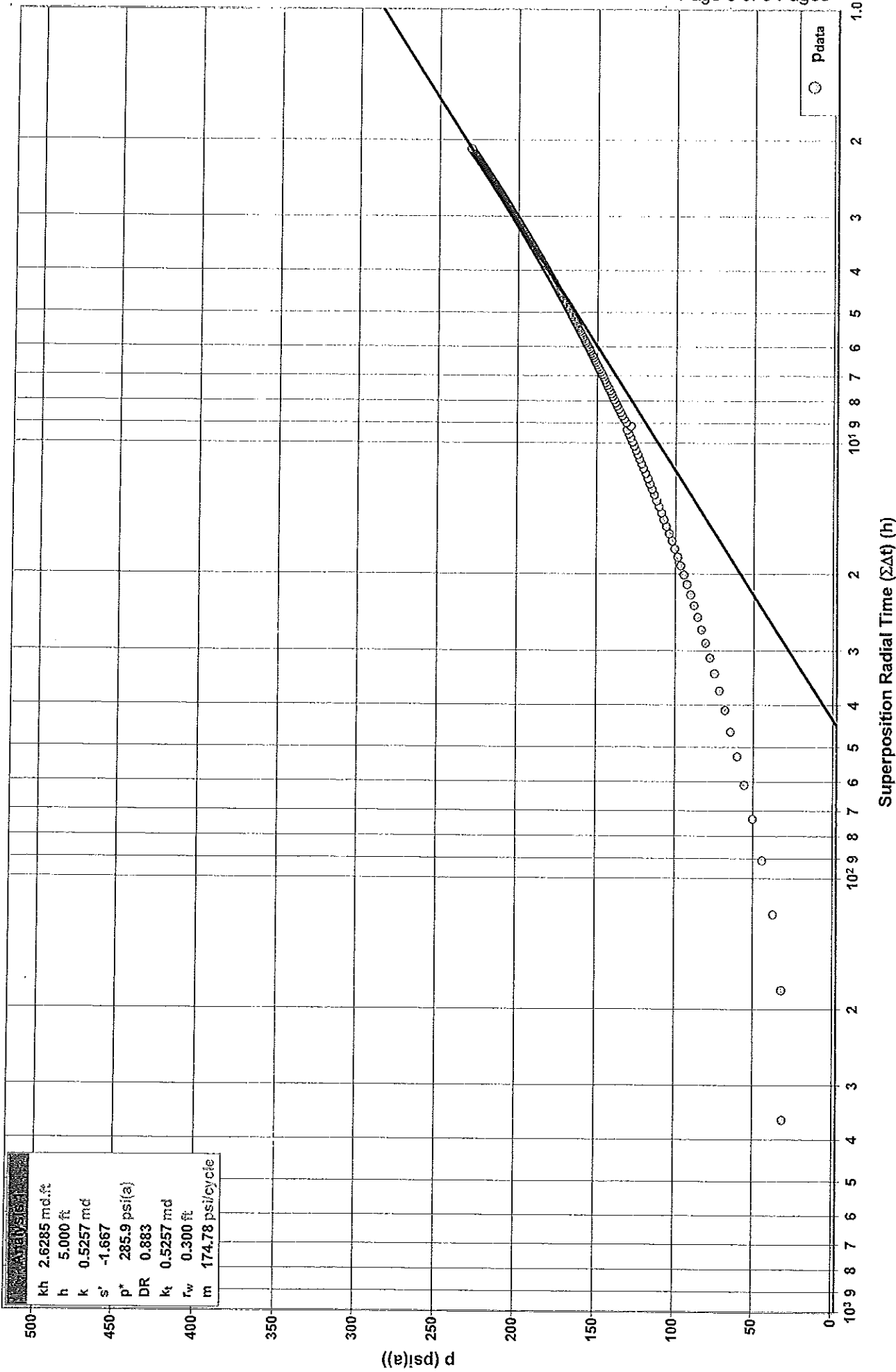
Fluid Properties

Reservoir Temperature (T _{resv})	106.0 °F
Reservoir Pressure (p _{resv})	1943.8 psi(a)
Oil Gravity (γ _o)	31.4 °API
Oil Viscosity (μ _o)	2.3768 cP
Oil Compressibility (c _o)	9.0921e-06 1/psi
Oil Formation Volume Factor (B _o)	1.189
Solution Gas Ratio (R _s)	349.6 scf/bbl
Oil Correlation	Vasquez and Beggs
Oil Viscosity Correlation	Beggs & Robinson

Production and Times

Corrected Time (t _c)	0.50 h
Total Cumulative Production Oil (Cum _{oil})	0.00 Mbbl
Final Oil Rate (q _{o final})	1.0 bbl/d

VESS OIL CORPORATION
BASS #10
DST #3 ARBUCKLE 3,743' - 3,814'
Radial



kh	2.6285 md.ft
h	5.000 ft
k	0.5257 md
s'	-1.667
p*	285.9 psi(a)
DR	0.883
k _t	0.5257 md
r _w	0.300 ft
m	174.78 psi/cycle

Oil Well Test - Buildup

Radial Flow Analysis

Analysis Results

Flow Capacity (kh)	2.629 md.ft	Total Skin (s')	-1.667
Effective Permeability (k)	0.5257 md	Skin Due to Damage (s _d)	-1.667
Effective Gas Permeability (k _g)	md	Skin Due To Inclination (s _{inc})	
Effective Oil Permeability (k _o)	0.5257 md	Skin Due To Partial Penetration (s _{pp})	
Effective Water Permeability (k _w)	md	Pressure Drop Due to Total Skin (Δp _{skin})	psi(a)
Total Fluid Rate (in situ) ((qβ) _i)	1.2 rbb/d	Damage Ratio (DR)	0.883
Total Mobility ((k/μ) _i)	0.22 md/cP	Flow Efficiency (FE)	1.132
Total Transmissivity ((kh/μ) _i)	1.11 mdft/cP		
Slope (m)	174.78 psi/cycle		

Reservoir Parameters

Net Pay (h)	5.000 ft
Total Porosity (φ _i)	15.00 %
Gas Saturation (S _g)	0.00 %
Oil Saturation (S _o)	80.00 %
Water Saturation (S _w)	20.00 %
Formation Compressibility (c _f)	4.1093e-06 1/psi
Total Compressibility (c _t)	1.1983e-05 1/psi
Wellbore Radius (r _w)	0.300 ft

Pressures

Extrapolated Pressure (p*)	285.9 psi(a)
Final Flowing Pressure (p _{wfo})	31.2 psi(a)
Final Measured Pressure (p _{last})	-1.1 psi(a)

Fluid Properties

Reservoir Temperature (T _{resv})	106.0 °F
Reservoir Pressure (p _{resv})	1943.8 psi(a)
Oil Gravity (γ _o)	31.4 °API
Oil Viscosity (μ _o)	2.3768 cP
Oil Compressibility (c _o)	9.0921e-06 1/psi
Oil Formation Volume Factor (B _o)	1.189
Solution Gas Ratio (R _s)	349.6 scf/bbl
Oil Correlation	Vasquez and Beggs
Oil Viscosity Correlation	Beggs & Robinson

Production and Times

Corrected Time (t _c)	1.25 h
Total Cumulative Production Oil (Cum _{oil})	0.00 Mbbbl
Final Oil Rate (q _{o final})	1.0 bbl/d

VESS OIL CORPORATION
BASS #10

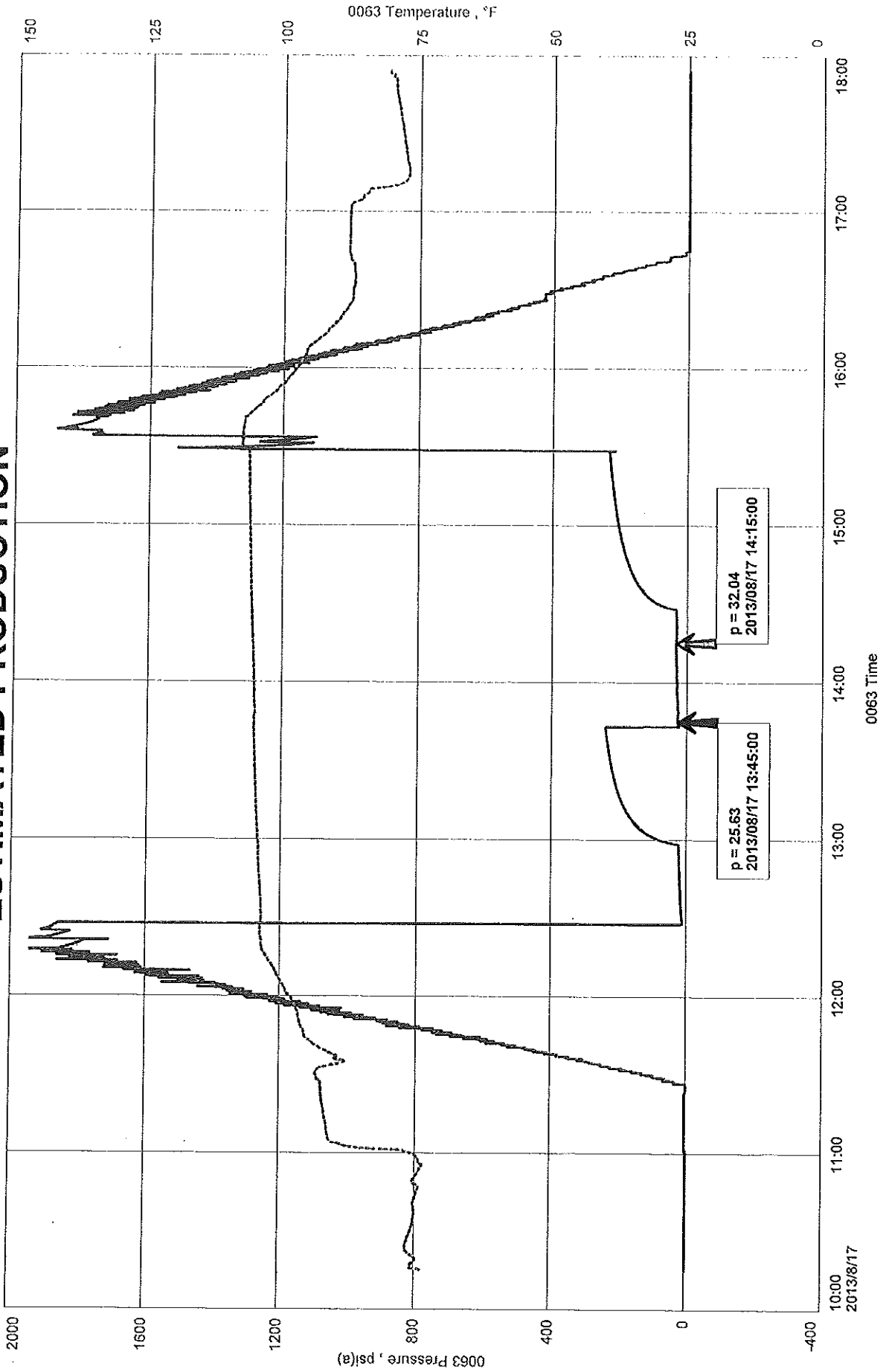
DST #3 ARBUCKLE
3,743' - 3,814'

<u>DESCRIPTION</u>	<u>SECOND</u>	<u>FIRST</u>	<u>PRESSURE</u>	<u>DRILL-</u>	<u>FLUID</u>	<u>TIME</u>	<u>TOTAL</u>	<u>DAILY</u>	<u>AVERAGE</u>	<u>ESTIMATED</u>
FINAL FLOW	<u>READING</u>	<u>READING</u>	<u>CHANGE</u>	<u>PIPE</u>	<u>GRADIENT</u>	<u>CHANGE</u>	<u>TIME</u>	<u>PRODUCTION</u>	<u>PERCENTAGE</u>	<u>DAILY</u>
	32	26	6	SIZE-ID	0.377	30	1440	11	OIL	PRODUCTION
				0.0142					6.25%	1

VESS OIL CORPORATION
DST#3 3743-3814 ARBUCKLE
Start Test Date: 2013/08/17
Final Test Date: 2013/08/17

BASS #10
Formation: DST#3 3743-3814 ARBUCKLE
Pool: WILDCAT
Job Number: M530

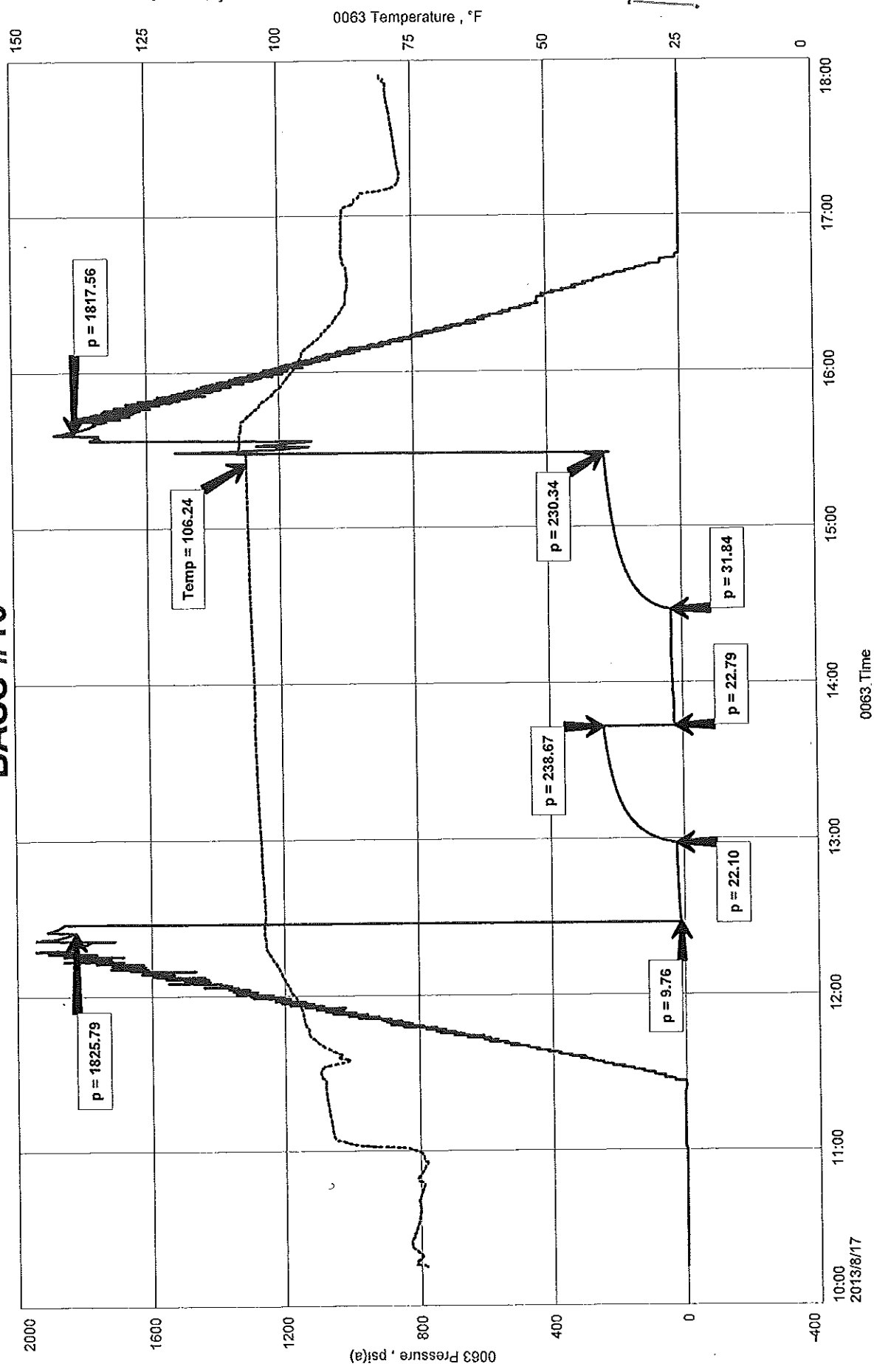
ESTIMATED PRODUCTION

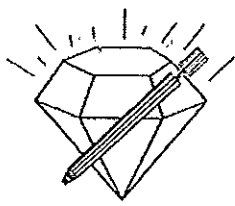


VESS OIL CORPORATION
 DST#3 3743-3814 ARBUCKLE
 Start Test Date: 2013/08/17
 Final Test Date: 2013/08/17

Formation: DST#3 3743-3814 ARBUCKLE
 Pool: WILDCAT
 Job Number: M530

BASS #10





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BSS10DST4

Company Vess Oil Corporation Lease & Well No. Bass No. 10
Elevation 2277 KB Formation Arbuckle Effective Pay Ft. Ticket No. M531
Date 8-18-13 Sec. 12 Twp. 10S Range 21W County Graham State Kansas
Test Approved By Roger L. Martin Diamond Representative Mike Cochran

Formation Test No. 4 Interval Tested from 3,814 ft. to 3,824 ft. Total Depth 3,824 ft.
Packer Depth 3,809 ft. Size 6 3/4 in. Packer Depth ft. Size in.
Packer Depth 3,814 ft. Size 6 3/4 in. Packer Depth ft. Size in.
Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 3,796 ft. Recorder Number 0063 Cap. 6,000 psi.
Bottom Recorder Depth (Outside) 3,821 ft. Recorder Number 6884 Cap. 6,275 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 58 Weight Pipe Length ft. I.D. in.
Weight 9.3 Water Loss 10.0 cc. Drill Pipe Length 3,782 ft. I.D. 3 1/4 in.
Chlorides 3,400 P.P.M. Test Tool Length 32 ft. Tool Size 3 1/2-IF in.
Jars: Make Sterling Serial Number 1 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: Good, surface blow. Off bottom of bucket in 23 mins. No blow back during shut-in.
2nd Open: Weak, surface blow increasing to 11 ins. No blow back during shut-in.

Recovered 25 ft. of clean oil = .256500 bbls. (Grind out: 100%-oil) Gravity: 31.4 @ 60°
Recovered 275 ft. of oil specked muddy water = 2.821500 bbls. (Grind out: 3%-oil; 84%-water; 13%-mud) Chlorides: 22,000 Ppm PH: 7.0 RW: .42 @ 75°
Recovered 300 ft. of TOTAL FLUID = 3.078000 bbls.

Recovered ft. of
Recovered ft. of
Recovered ft. of
Remarks Tool Sample Grind Out: 2%-oil; 97%-water; 1%-mud

Time Set Packer(s) 3:45 A.M. Time Started off Bottom 6:45 A.M. Maximum Temperature 112°
Initial Hydrostatic Pressure.....(A) 1849 P.S.I.
Initial Flow Period.....Minutes 30 (B) 11 P.S.I. to (C) 73 P.S.I.
Initial Closed In Period.....Minutes 45 (D) 320 P.S.I.
Normal Flow Period.....Minutes 45 (E) 74 P.S.I. to (F) 138 P.S.I.
Normal Closed In Period.....Minutes 60 (G) 320 P.S.I.
Normal Hydrostatic Pressure.....(H) 1800 P.S.I.

DIAMOND TESTING

Pressure Survey Report

General Information

Company Name	VESS OIL CORPORATION	Job Number	M531
Well Name	BASS #10	Representative	MIKE COCHRAN
Unique Well ID	DST#4 3814-3824 ARBUCKLE	Well Operator	VESS OIL CORPORATION
Surface Location	SEC.12-10S-21W GRAHAM CO.KS.	Report Date	2013/08/18
Field	WILDCAT	Prepared By	MIKE COCHRAN
Well Type	Vertical	Qualified By	ROGER MARTIN
	Test Unit		NO. 1

Test Information

Test Type	CONVENTIONAL		
Formation	DST#4 3814-3824 ARBUCKLE		
Test Purpose (AEUB)	Initial Test		
Start Test Date	2013/08/18	Start Test Time	01:30:00
Final Test Date	2013/08/18	Final Test Time	09:25:00
		Well Fluid Type	01 OIL
Gauge Name	0063		
Gauge Serial Number			

Test Results

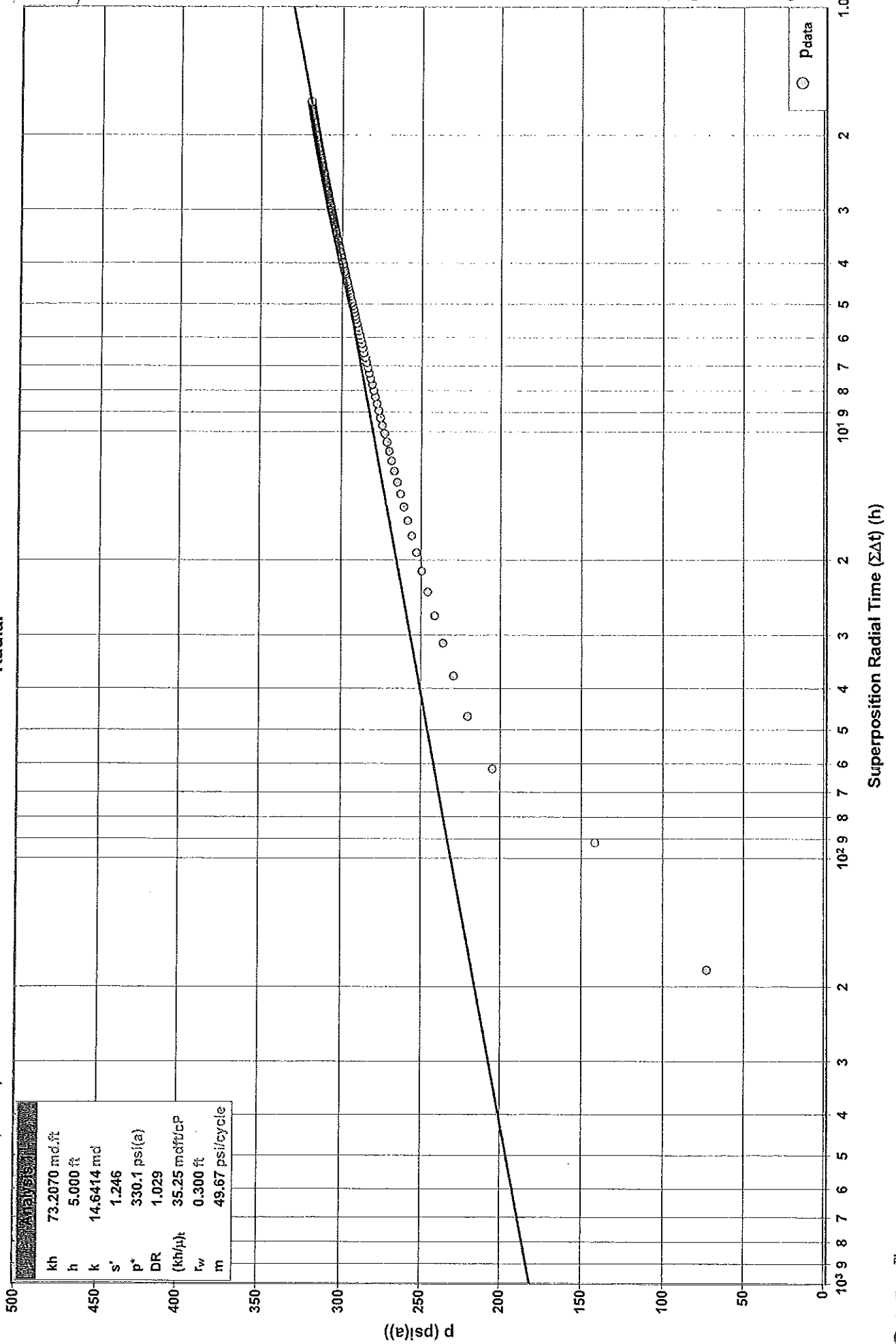
Remarks RECOVERED:
25' CO 100% OIL
275' OSMW 3% OIL, 84% WTR, 13% MUD
300' TOTAL FLUID

GRAVITY: 31.4 @ 60 DEG

CHLOR: 22,000 PPM
PH:7.0
RW: .42 @ 75 DEG

TOOL SAMPLE: 2% OIL, 97% WTR, 1% MUD

VESSEIL OIL CORPORATION
 BASS #10
 DST #4 ARBUCKLE 3,814' - 3,824'
 Radial



Oil Well Test - Buildup

Radial Flow Analysis

Analysis Results

Flow Capacity (kh)	73.21 md.ft	Total Skin (s')	1.246
Effective Permeability (k)	14.6414 md	Skin Due to Damage (s _d)	1.246
Effective Gas Permeability (k _g)	md	Skin Due To Inclination (s _{inc})	
Effective Oil Permeability (k _o)	14.6414 md	Skin Due To Partial Penetration (s _{pp})	
Effective Water Permeability (k _w)	md	Pressure Drop Due to Total Skin (Δp _{skin})	53.8 psi(a)
Total Fluid Rate (in situ) ((qβ) _i)	10.8 rbb/d	Damage Ratio (DR)	1.029
Total Mobility ((k/μ) _i)	7.05 md/cP	Flow Efficiency (FE)	0.972
Total Transmissivity ((kh/μ) _i)	35.25 mdf/cP		
Slope (m)	49.67 psi/cycle		

Reservoir Parameters

Net Pay (h)	5.000 ft
Total Porosity (φ _t)	15.00 %
Gas Saturation (S _g)	0.00 %
Oil Saturation (S _o)	80.00 %
Water Saturation (S _w)	20.00 %
Formation Compressibility (c _f)	4.1093e-06 1/psi
Total Compressibility (c _t)	1.2333e-05 1/psi
Wellbore Radius (r _w)	0.300 ft

Pressures

Extrapolated Pressure (p*)	330.1 psi(a)
Final Flowing Pressure (p _{wfo})	72.6 psi(a)
Final Measured Pressure (p _{last})	-1.1 psi(a)

Fluid Properties

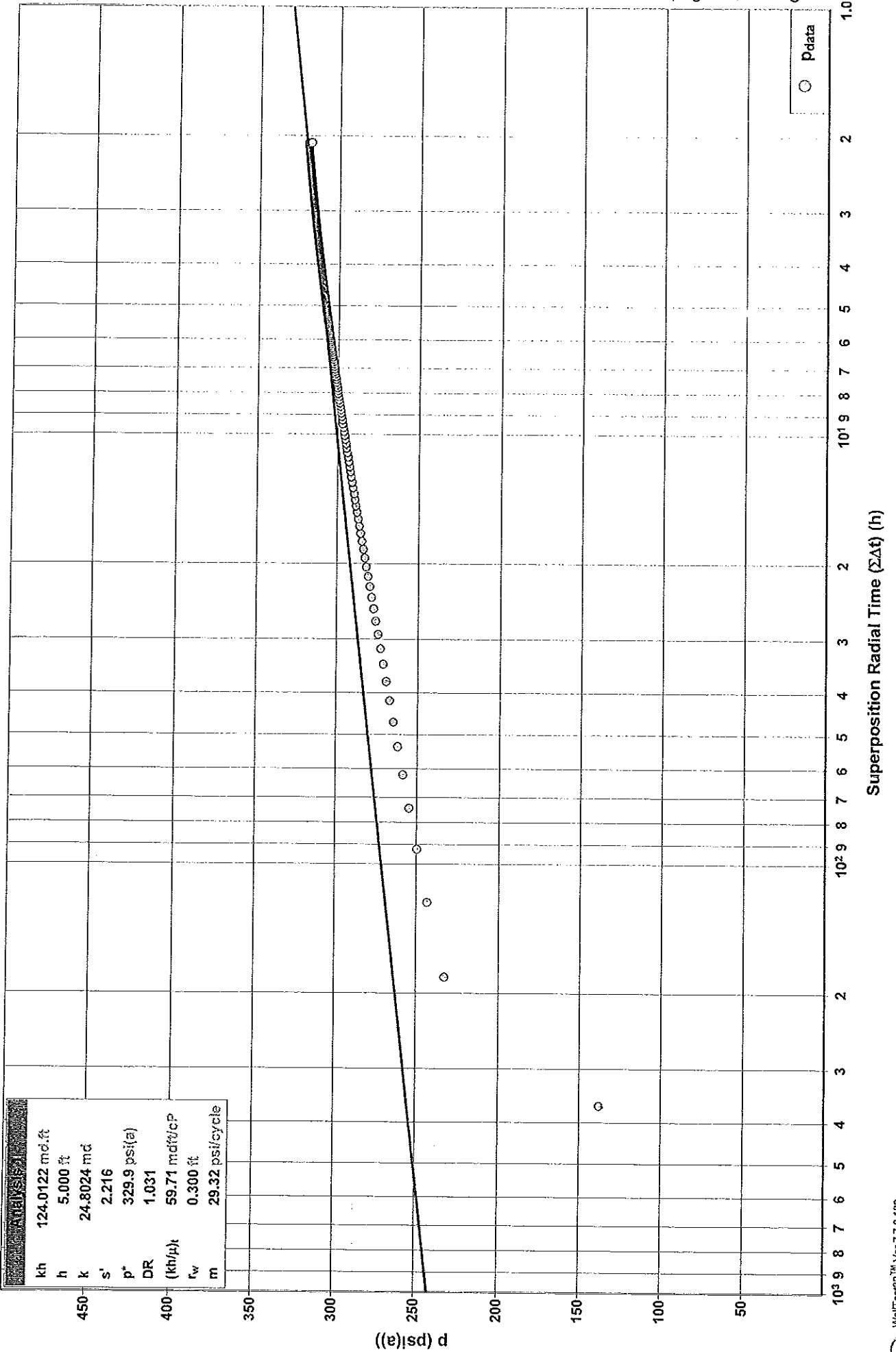
Reservoir Temperature (T _{resv})	112.0 °F
Reservoir Pressure (p _{resv})	2009.8 psi(a)
Oil Gravity (γ _o)	31.4 °API
Oil Viscosity (μ _o)	2.0770 cP
Oil Compressibility (c _o)	9.5335e-06 1/psi
Oil Formation Volume Factor (B _o)	1.196
Solution Gas Ratio (R _s)	358.7 scf/bbl
Oil Correlation	Vasquez and Beggs
Oil Viscosity Correlation	Beggs & Robinson

Production and Times

Corrected Time (t _c)	0.51 h
Total Cumulative Production Oil (Cum _{oil})	0.00 Mbbbl
Final Oil Rate (q _{o final})	9.0 bbl/d

DST #4 FINAL SHUT IN
Radial

VESS OIL CORPORATION
BASS #10
DST #4 ARBUCKLE 3,814' - 3,824'



Oil Well Test - Buildup

Radial Flow Analysis

Analysis Results

Flow Capacity (kh)	124 md.ft	Total Skin (s')	2.216
Effective Permeability (k)	24.8024 md	Skin Due to Damage (s _d)	2.216
Effective Gas Permeability (k _g)	md	Skin Due To Inclination (s _{inc})	
Effective Oil Permeability (k _o)	24.8024 md	Skin Due To Partial Penetration (s _{pp})	
Effective Water Permeability (k _w)	md	Pressure Drop Due to Total Skin (Δp _{sKin})	56.5 psi(a)
Total Fluid Rate (in situ) ((qβ) _i)	10.8 rbbl/d	Damage Ratio (DR)	1.031
Total Mobility ((k/μ) _i)	11.94 md/cP	Flow Efficiency (FE)	0.970
Total Transmissivity ((kh/μ) _i)	59.71 mdf/cP		
Slope (m)	29.32 psi/cycle		

Reservoir Parameters

Net Pay (h)	5.000 ft
Total Porosity (φ _t)	15.00 %
Gas Saturation (S _g)	0.00 %
Oil Saturation (S _o)	80.00 %
Water Saturation (S _w)	20.00 %
Formation Compressibility (c _f)	4.1093e-06 1/psi
Total Compressibility (c _t)	1.2333e-05 1/psi
Wellbore Radius (r _w)	0.300 ft

Pressures

Extrapolated Pressure (p*)	329.9 psi(a)
Final Flowing Pressure (p _{wfO})	137.7 psi(a)
Final Measured Pressure (p _{last})	-1.1 psi(a)

Fluid Properties

Reservoir Temperature (T _{resv})	112.0 °F
Reservoir Pressure (p _{resv})	2009.8 psi(a)
Oil Gravity (γ _o)	31.4 °API
Oil Viscosity (μ _o)	2.0770 cP
Oil Compressibility (c _o)	9.5335e-06 1/psi
Oil Formation Volume Factor (B _o)	1.196
Solution Gas Ratio (R _s)	358.7 scf/bbl
Oil Correlation	Vasquez and Beggs
Oil Viscosity Correlation	Beggs & Robinson

Production and Times

Corrected Time (t _c)	1.27 h
Total Cumulative Production Oil (Cum _{oil})	0.00 Mbbl
Final Oil Rate (q _{o final})	9.0 bbl/d

VESS OIL CORPORATION
BASS #10

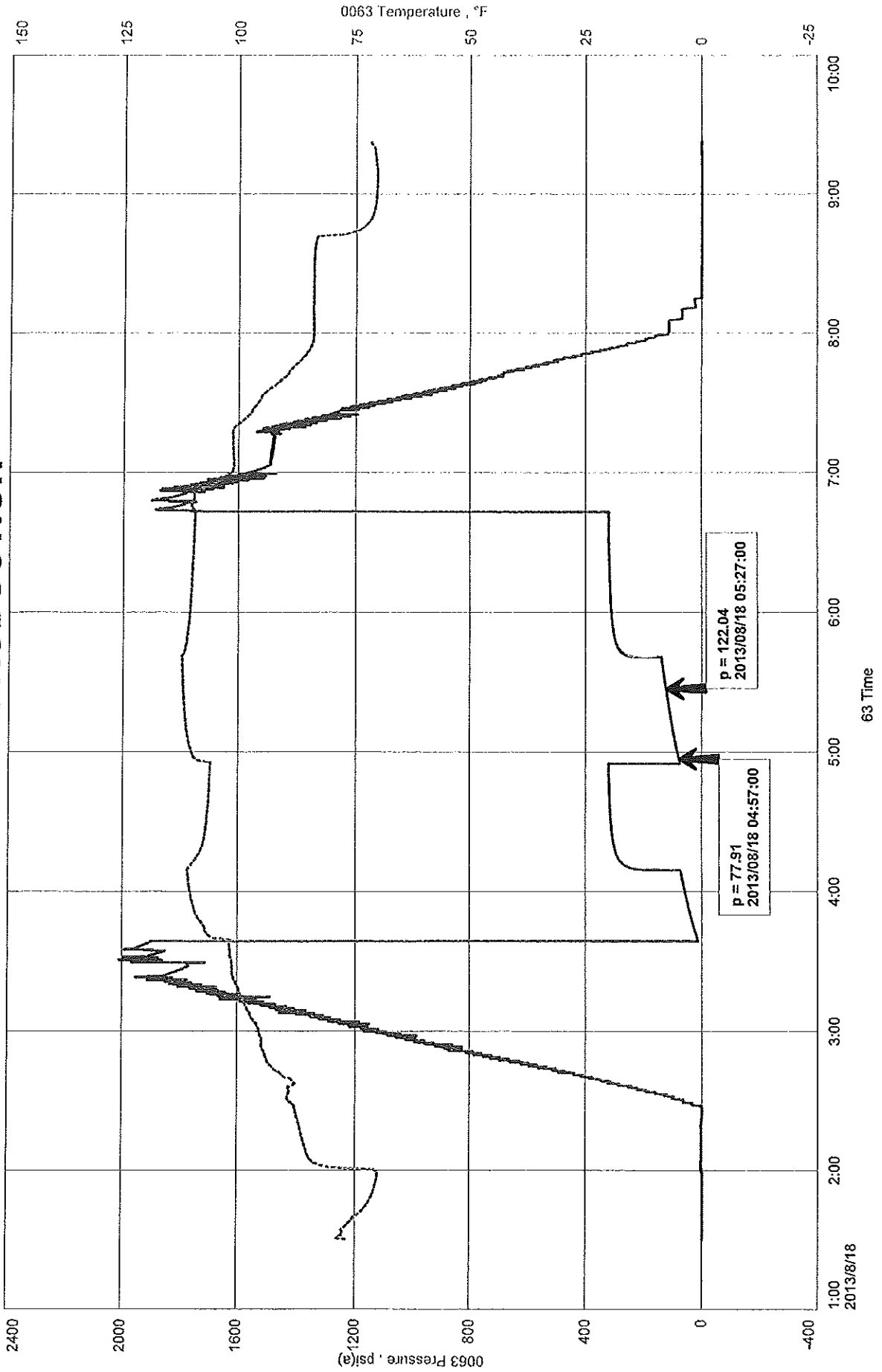
DST #4 ARBUCKLE
3,814' - 3,824'

<u>DESCRIPTION</u>	<u>SECOND READING</u>	<u>FIRST READING</u>	<u>PRESSURE CHANGE</u>	<u>DRILL-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	122	78	44	0.0142	0.377	30	1440	80	11.00%	9

VESS OIL CORPORATION
DST#4 3814-3824 ARBUCKLE
Start Test Date: 2013/08/18
Final Test Date: 2013/08/18

BASS #10
Formation: DST#4 3814-3824 ARBUCKLE
Pool: WILDCAT
Job Number: M531

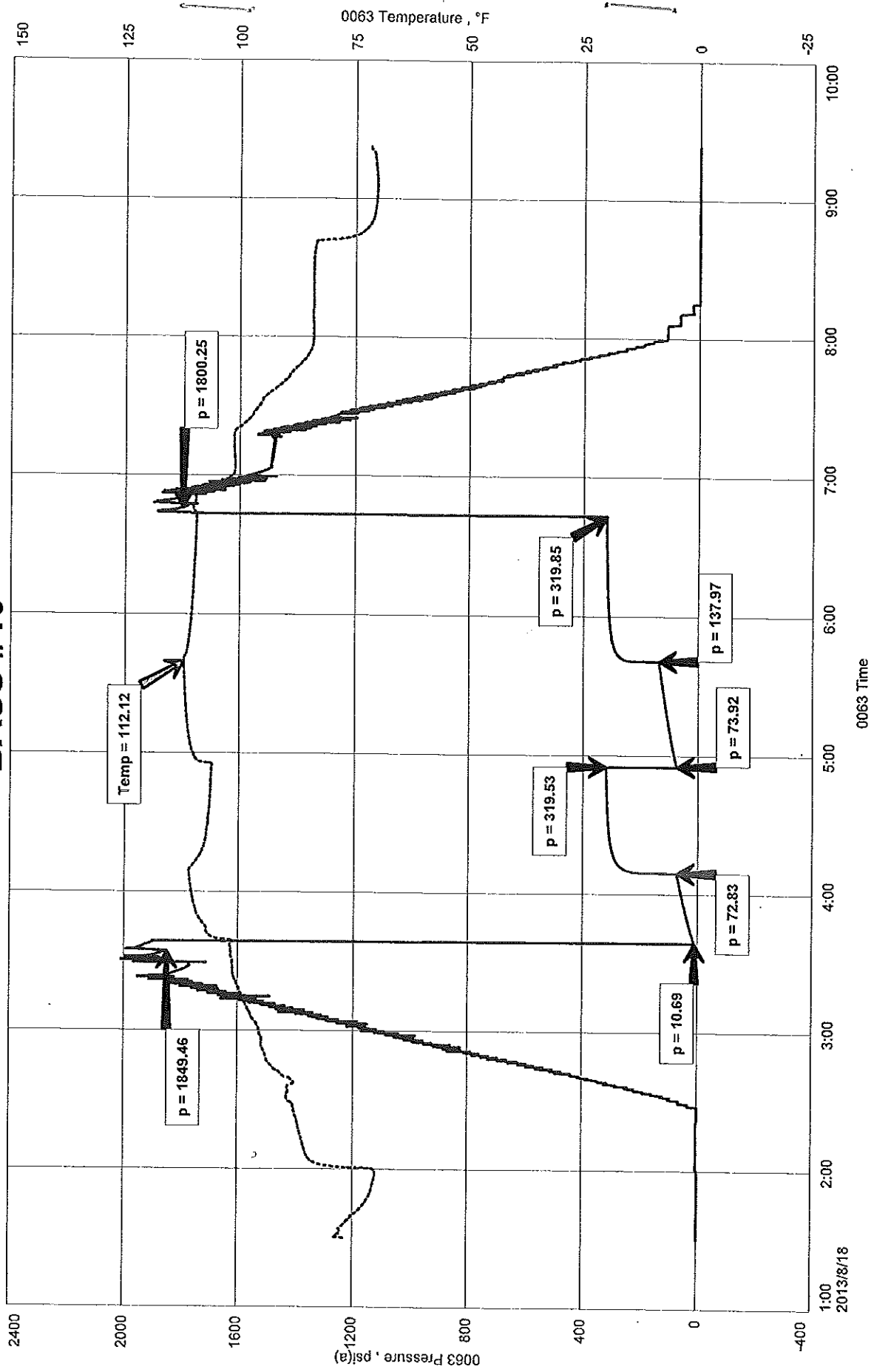
ESTIMATED PRODUCTION

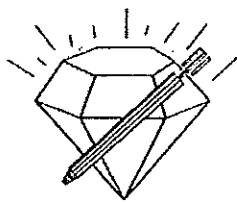


VESS OIL CORPORATION
DST#4 3814-3824 ARBUCKLE
Start Test Date: 2013/08/18
Final Test Date: 2013/08/18

BASS #10
Formation: DST#4 3814-3824 ARBUCKLE
Pool: WILDCAT
Job Number: M531

BASS #10





DIAMOND TESTING, LLC
P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313
BSS10DST5

Company Vess Oil Corporation Lease & Well No. Bass No. 10
Elevation 2277 KB Formation Arbuckle Effective Pay Ft. Ticket No. M532
Date 8-19-13 Sec. 12 Twp. 10S Range 21W County Graham State Kansas
Test Approved By Roger L. Martin Diamond Representative Mike Cochran

Formation Test No. 5 Interval Tested from 3,824 ft. to 3,834 ft. Total Depth 3,834 ft.
Packer Depth 3,819 ft. Size 6 3/4 in. Packer Depth ft. Size in.
Packer Depth 3,824 ft. Size 6 3/4 in. Packer Depth ft. Size in.
Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 3,806 ft. Recorder Number 0063 Cap. 6,000 psi.
Bottom Recorder Depth (Outside) 3,831 ft. Recorder Number 6884 Cap. 6,275 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 58 Weight Pipe Length ft. I.D. in.
Weight 9.3 Water Loss 10.0 cc. Drill Pipe Length 3,792 ft. I.D. 3 1/4 in.
Chlorides 3,400 P.P.M. Test Tool Length 32 ft. Tool Size 3 1/2-IF in.
Jars: Make Sterling Serial Number 1 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: Weak, surface blow increasing to 9 ins. No blow back during shut-in.

2nd Open: Very weak, surface blow increasing to 8 ins. No blow back during shut-in.

Recovered 48 ft. of clean oil = .492480 bbls. (Grind out: 100%-oil) Gravity: 31.2 @ 60°

Recovered 127 ft. of oil specked muddy water = 1.303020 bbls. (Grind out: 2%-oil; 85%-water; 13%-mud) Chlorides: 30,000 Ppm PH: 7.0 RW: .30 @ 68°

Recovered 175 ft. of TOTAL FLUID = 1.795500 bbls.

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks Tool Sample Grind Out: 4%-oil; 94%-water; 2%-mud

Time Set Packer(s) 2:00 A.M. Time Started off Bottom 5:07 A.M. Maximum Temperature 110°

Initial Hydrostatic Pressure.....(A) 1887 P.S.I.

Initial Flow Period.....Minutes 30 (B) 9 P.S.I. to (C) 48 P.S.I.

Initial Closed In Period.....Minutes 45 (D) 423 P.S.I.

Initial Flow Period.....Minutes 52 (E) 48 P.S.I. to (F) 84 P.S.I.

Initial Closed In Period.....Minutes 60 (G) 423 P.S.I.

Initial Hydrostatic Pressure.....(H) 1885 P.S.I.

DIAMOND TESTING

Pressure Survey Report

General Information

Company Name	VESS OIL CORPORATION	Job Number	M532
Well Name	BASS #10	Representative	MIKE COCHRAN
Unique Well ID	DST#5 3824-3834 ARBUCKLE	Well Operator	VESS OIL CORPORATION
Surface Location	SEC.12-10S-21W GRAHAM CO.KS.	Report Date	2013/08/19
Field	WILDCAT	Prepared By	MIKE COCHRAN
Well Type	Vertical	Qualified By	ROGER MARTIN
	Test Unit		NO. 1

Test Information

Test Type	CONVENTIONAL		
Formation	DST#5 3824-3834 ARBUCKLE		
Test Purpose (AEUB)	Initial Test		
Start Test Date	2013/08/19	Start Test Time	00:00:00
Final Test Date	2013/08/19	Final Test Time	07:20:00
		Well Fluid Type	01 Oil
Gauge Name	0063		
Gauge Serial Number			

Test Results

Remarks RECOVERED:

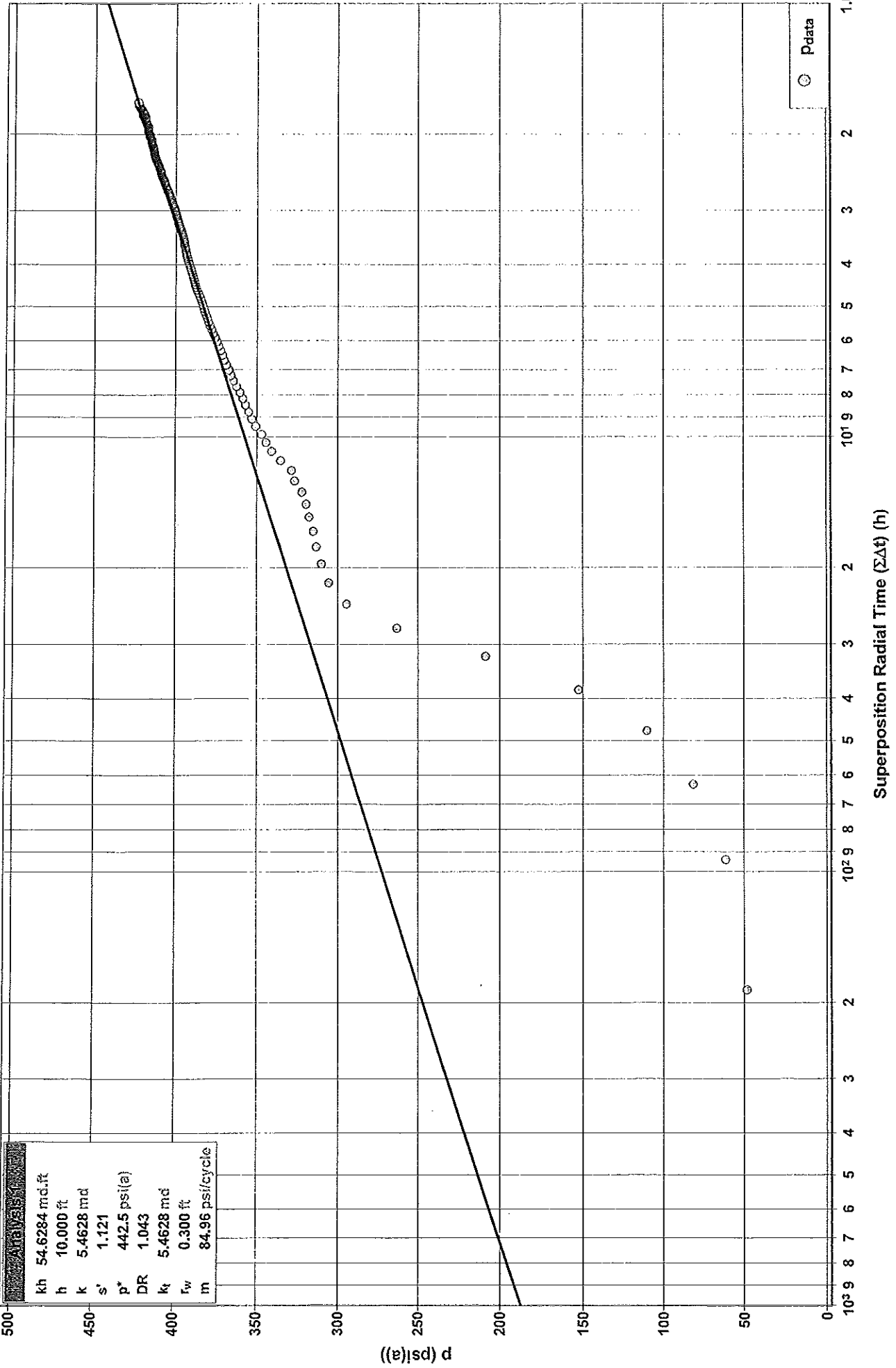
~48' CO 100% OIL
127' OSMW 2% OIL, 85% WTR, 13% MUD
175' TOTAL FLUID

GRAVITY: 31.2 @ 60 DEG

CHLOR: 30,000 PPM
PH:7.0
RW: .30 @ 68 DEG

TOOL SAMPLE: 4% OIL, 94% WTR, 2% MUD

VESSE OIL CORP
 BASS #10
 DST #5 ARBUCKLE 3,824' - 3,834'
 Radial



Oil Well Test - Buildup

Radial Flow Analysis

Analysis Results

Flow Capacity (kh)	54.63 md.ft	Total Skin (s')	1.121
Effective Permeability (k)	5.4628 md	Skin Due to Damage (s _d)	1.121
Effective Gas Permeability (k _g)	md	Skin Due To Inclination (s _{inc})	
Effective Oil Permeability (k _o)	5.4628 md	Skin Due To Partial Penetration (s _{pp})	
Effective Water Permeability (k _w)	md	Pressure Drop Due to Total Skin (Δp _{skin})	82.7 psi(a)
Total Fluid Rate (in situ) ((qβ) _t)	13.2 rbbl/d	Damage Ratio (DR)	1.043
Total Mobility ((k/μ) _t)	2.52 md/cP	Flow Efficiency (FE)	0.958
Total Transmissivity ((kh/μ) _t)	25.21 mdf/cP		
Slope (m)	84.96 psi/cycle		

Reservoir Parameters

Net Pay (h)	10.000 ft
Total Porosity (φ _t)	15.00 %
Gas Saturation (S _g)	0.00 %
Oil Saturation (S _o)	80.00 %
Water Saturation (S _w)	20.00 %
Formation Compressibility (c _f)	4.1093e-06 1/psi
Total Compressibility (c _t)	1.2174e-05 1/psi
Wellbore Radius (r _w)	0.300 ft

Pressures

Extrapolated Pressure (p*)	442.5 psi(a)
Final Flowing Pressure (p _{wfo})	48.1 psi(a)
Final Measured Pressure (p _{last})	-0.9 psi(a)

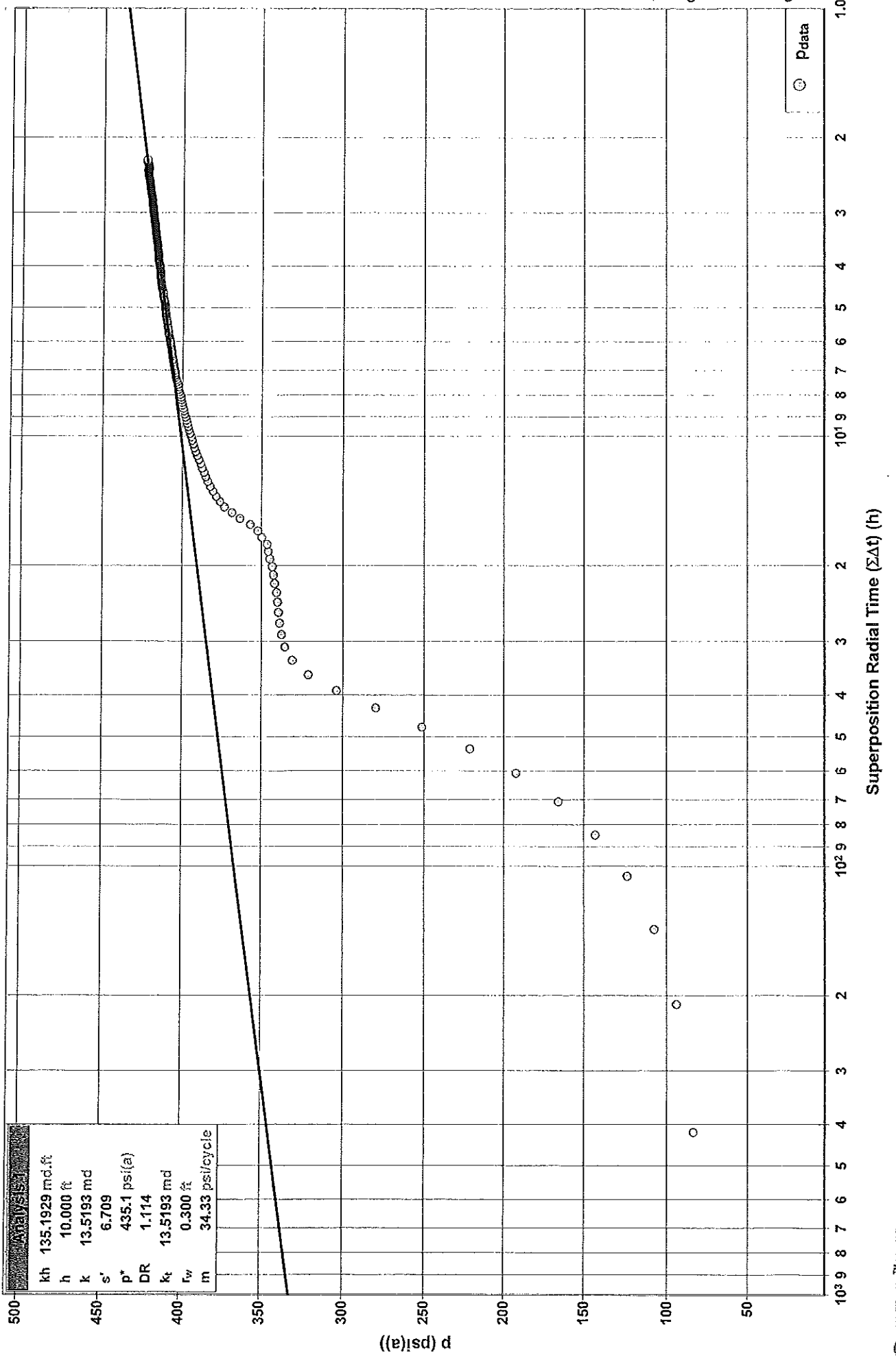
Fluid Properties

Reservoir Temperature (T _{resv})	110.0 °F
Reservoir Pressure (p _{resv})	2040.3 psi(a)
Oil Gravity (γ _o)	31.2 °API
Oil Viscosity (μ _o)	2.1670 cP
Oil Compressibility (c _o)	9.3349e-06 1/psi
Oil Formation Volume Factor (B _o)	1.197
Solution Gas Ratio (R _s)	363.8 scf/bbl
Oil Correlation	Vasquez and Beggs
Oil Viscosity Correlation	Beggs & Robinson

Production and Times

Corrected Time (t _c)	0.52 h
Total Cumulative Production Oil (Cum _{oil})	0.00 Mbbbl
Final Oil Rate (q _{o final})	11.0 bbl/d

VESS OIL CORP
 BASS #10
 DST #5 ARBUCKLE 3,824' - 3,834'
 DST #5 FINAL SHUT IN
 Radial



Oil Well Test - Buildup

Radial Flow Analysis

Analysis Results

Flow Capacity (kh)	135.2 md.ft	Total Skin (s')	6.709
Effective Permeability (k)	13.5193 md	Skin Due to Damage (s _d)	6.709
Effective Gas Permeability (k _g)	md	Skin Due To Inclination (s _{inc})	
Effective Oil Permeability (k _o)	13.5193 md	Skin Due To Partial Penetration (s _{pp})	
Effective Water Permeability (k _w)	md	Pressure Drop Due to Total Skin (Δp _{skin})	200.1 psi(a)
Total Fluid Rate (in situ) ((qβ) _t)	13.2 rbbl/d	Damage Ratio (DR)	1.114
Total Mobility ((k/μ) _t)	6.24 md/cP	Flow Efficiency (FE)	0.898
Total Transmissivity ((kh/μ) _t)	62.39 mdft/cP		
Slope (m)	34.33 psi/cycle		

Reservoir Parameters

Net Pay (h)	10.000 ft
Total Porosity (φ _t)	15.00 %
Gas Saturation (S _g)	0.00 %
Oil Saturation (S _o)	80.00 %
Water Saturation (S _w)	20.00 %
Formation Compressibility (c _f)	4.1093e-06 1/psi
Total Compressibility (c _t)	1.2174e-05 1/psi
Wellbore Radius (r _w)	0.300 ft

Pressures

Extrapolated Pressure (p*)	435.1 psi(a)
Final Flowing Pressure (p _{vfo})	83.5 psi(a)
Final Measured Pressure (p _{last})	-0.9 psi(a)

Fluid Properties

Reservoir Temperature (T _{resv})	110.0 °F
Reservoir Pressure (p _{resv})	2040.3 psi(a)
Oil Gravity (γ _o)	31.2 °API
Oil Viscosity (μ _o)	2.1670 cP
Oil Compressibility (c _o)	9.3349e-06 1/psi
Oil Formation Volume Factor (B _o)	1.197
Solution Gas Ratio (R _s)	363.8 scf/bbl
Oil Correlation	Vasquez and Beggs
Oil Viscosity Correlation	Beggs & Robinson

Production and Times

Corrected Time (t _c)	1.40 h
Total Cumulative Production Oil (Cum _{oil})	0.00 Mbbbl
Final Oil Rate (q _{o final})	11.0 bbl/d

DST #5 ARBUCKLE
3,824' - 3,834'

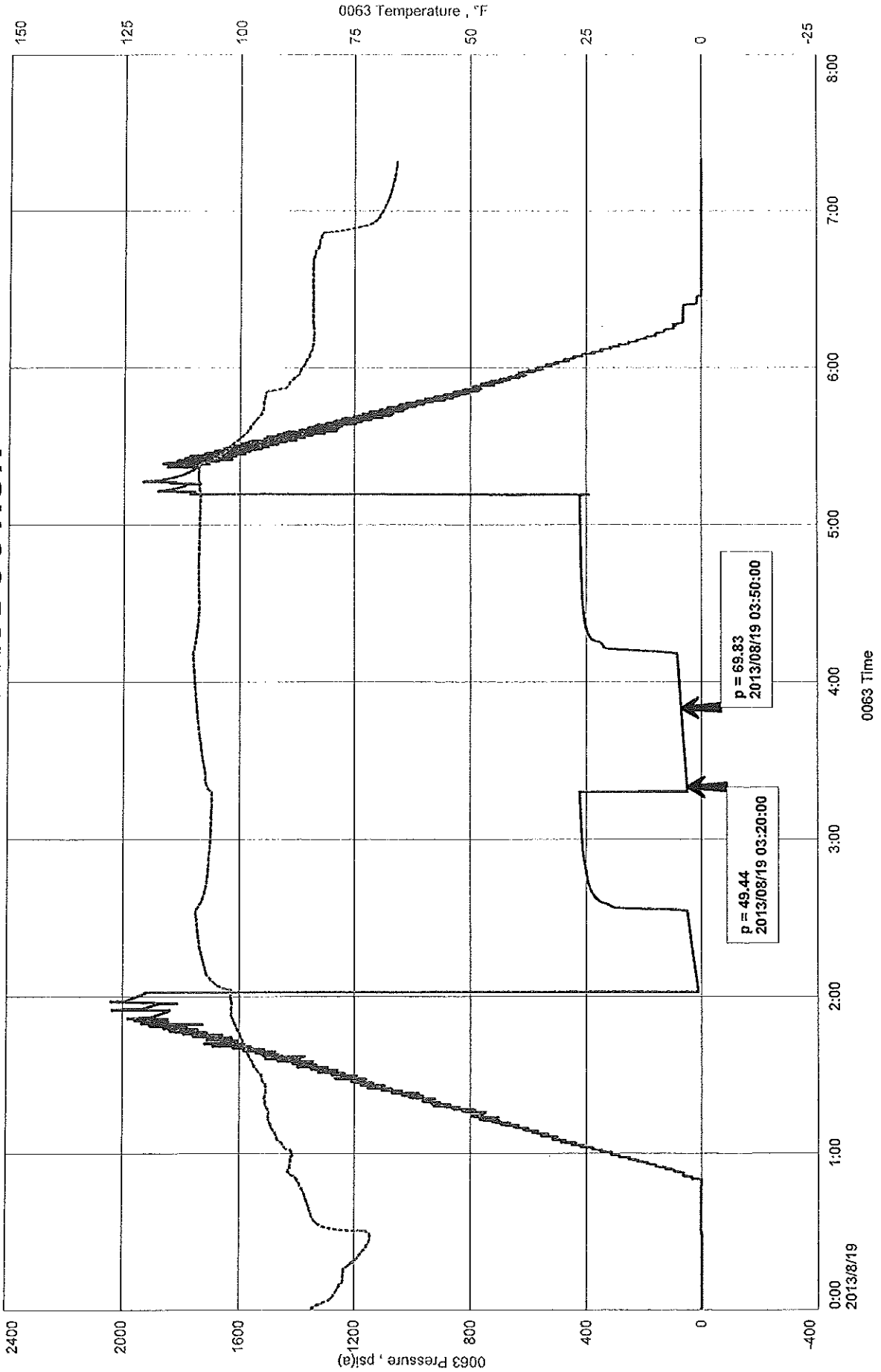
VESS OIL CORPORATION
BASS #10

<u>DESCRIPTION</u>	<u>SECOND</u>	<u>FIRST</u>	<u>PRESSURE</u>	<u>DRILL-</u>	<u>FLUID</u>	<u>TIME</u>	<u>TOTAL</u>	<u>DAILY</u>	<u>AVERAGE</u>	<u>ESTIMATED</u>
FINAL FLOW	<u>READING</u>	<u>READING</u>	<u>CHANGE</u>	<u>PIPE</u>	<u>GRADIENT</u>	<u>CHANGE</u>	<u>TIME</u>	<u>PRODUCTION</u>	<u>PERCENTAGE</u>	<u>DAILY</u>
	70	49	21	<u>SIZE-ID</u>	0.377	30	1440	38	OIL	PRODUCTION
				0.0142					29.32%	11

VESS OIL CORPORATION
 DST#5 3824-3834 ARBUCKLE
 Start Test Date: 2013/08/19
 Final Test Date: 2013/08/19

BASS #10
 Formation: DST#5 3824-3834 ARBUCKLE
 Pool: WILDCAT
 Job Number: M532

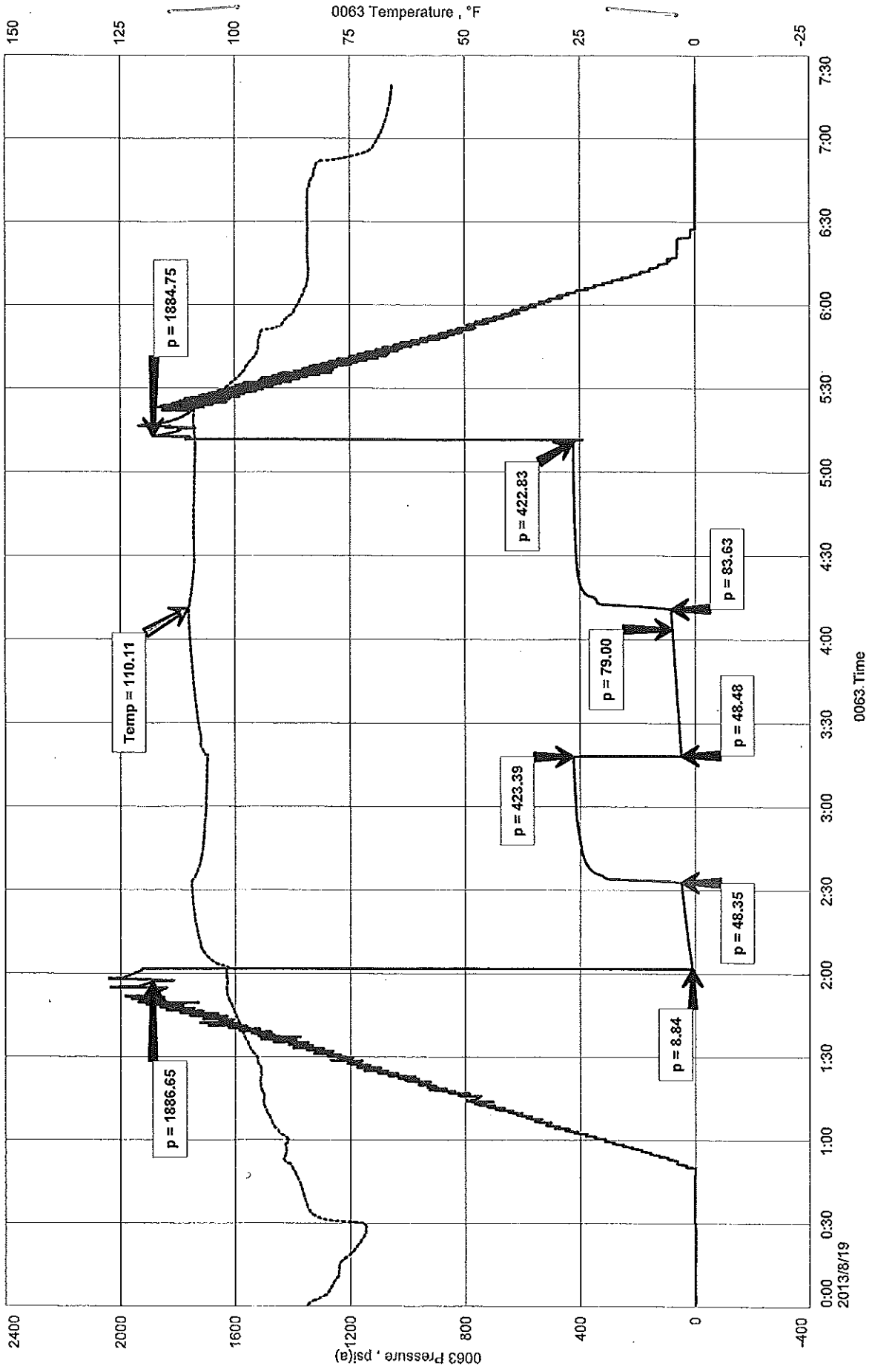
ESTIMATED PRODUCTION

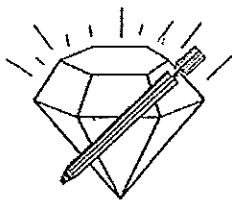


VESS OIL CORPORATION
DST#5 3824-3834 ARBUCKLE
Start Test Date: 2013/08/19
Final Test Date: 2013/08/19

BASS #10
Formation: DST#5 3824-3834 ARBUCKLE
Pool: WILDCAT
Job Number: M532

BASS #10





DIAMOND TESTING, LLC
 P.O. Box 157
HOISINGTON, KANSAS 67544
 (620) 653-7550 • (800) 542-7313
 BSS10DST6

Company Vess Oil Corporation Lease & Well No. Bass No. 10
 Elevation 2277 KB Formation Arbuckle Effective Pay Ft. Ticket No. M533
 Date 8-19-13 Sec. 12 Twp. 10S Range 21W County Graham State Kansas
 Test Approved By Roger L. Martin Diamond Representative Mike Cochran

Formation Test No. 6 Interval Tested from 3,834 ft. to 3,845 ft. Total Depth 3,845 ft
 Packer Depth 3,829 ft. Size 6 3/4 in. Packer Depth ft. Size in.
 Packer Depth 3,834 ft. Size 6 3/4 in. Packer Depth ft. Size in.
 Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 3,816 ft. Recorder Number 0063 Cap. 6,000 psi.
 Bottom Recorder Depth (Outside) 3,842 ft. Recorder Number 6884 Cap. 6,275 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 55 Weight Pipe Length ft. I.D. in.
 Weight 9.1 Water Loss 12.0 cc. Drill Pipe Length 3,802 ft. I.D. 3 1/4 in.
 Chlorides 4,000 P.P.M. Test Tool Length 32 ft. Tool Size 3 1/2-IF in.
 Jars: Make Sterling Serial Number 1 Anchor Length 11 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: Good, surface blow. Off bottom of bucket in 3 mins. Weak, 1/4 in. blow back during shut-in.

2nd Open: Good, surface blow. Off bottom of bucket in 5 mins. Weak, 1 1/2 in. blow back during shut-in.

Recovered 350 ft. of gas in pipe
 Recovered 115 ft. of clean oil = 1.179900 bbls. (Grind out: 100%-oil) Gravity: 30.4 @ 60°
 Recovered 170 ft. of gas & heavy oil cut muddy water = 1.744200 bbls. (Grind out: 12%-gas; 27%-oil; 53%-water; 8%-mud)
 Recovered 510 ft. of gas & oil specked muddy water = 5.232600 bbls. (Grind out: 2%-gas; 2%-oil; 95%-water; 1%-mud)
 Recovered 570 ft. of very slightly oil specked gassy water = 5.848200 bbls. (Grind out: 2%-gas; 98%-water w/some specks of oil) Chlorides: 26,000 Ppm PH: 7.0 RW: .28 @ 70°
 Recovered 1,365 ft. of TOTAL FLUID = 14.004900 bbls.
 Remarks Tool Sample Grind Out: 1%-gas; 98%-water; 1%-mud w/some spots of oil

Time Set Packer(s) 7:00 P.M. Time Started off Bottom 10:00 P.M. Maximum Temperature 115°
 Initial Hydrostatic Pressure.....(A) 1829 P.S.I.
 Initial Flow Period.....Minutes 30 (B) 29 P.S.I. to (C) 314 P.S.I.
 Initial Closed In Period.....Minutes 45 (D) 1037 P.S.I.
 Final Flow Period.....Minutes 45 (E) 321 P.S.I. to (F) 603 P.S.I.
 Final Closed In Period.....Minutes 60 (G) 1038 P.S.I.
 Final Hydrostatic Pressure.....(H) 1801 P.S.I.

DIAMOND TESTING

Pressure Survey Report

General Information

Company Name	VESS OIL CORPORATION	Job Number	M533
Well Name	BASS #10	Representative	MIKE COCHRAN
Unique Well ID	DST#6 3834-3845 ARBUCKLE	Well Operator	VESS OIL CORPORATION
Surface Location	SEC.12-10S-21W GRAHAM CO.KS.	Report Date	2013/08/20
Field	WILDCAT	Prepared By	MIKE COCHRAN
Well Type	Vertical	Qualified By	ROGER MARTIN
	Test Unit		NO. 1

Test Information

Test Type	CONVENTIONAL		
Formation	DST#6 3834-3845 ARBUCKLE		
Test Purpose (AEUB)	Initial Test		
Start Test Date	2013/08/19	Start Test Time	16:00:00
Final Test Date	2013/08/20	Final Test Time	01:20:00
		Well Fluid Type	01 Oil
Gauge Name	0063		
Gauge Serial Number			

Test Results

Remarks RECOVERED:

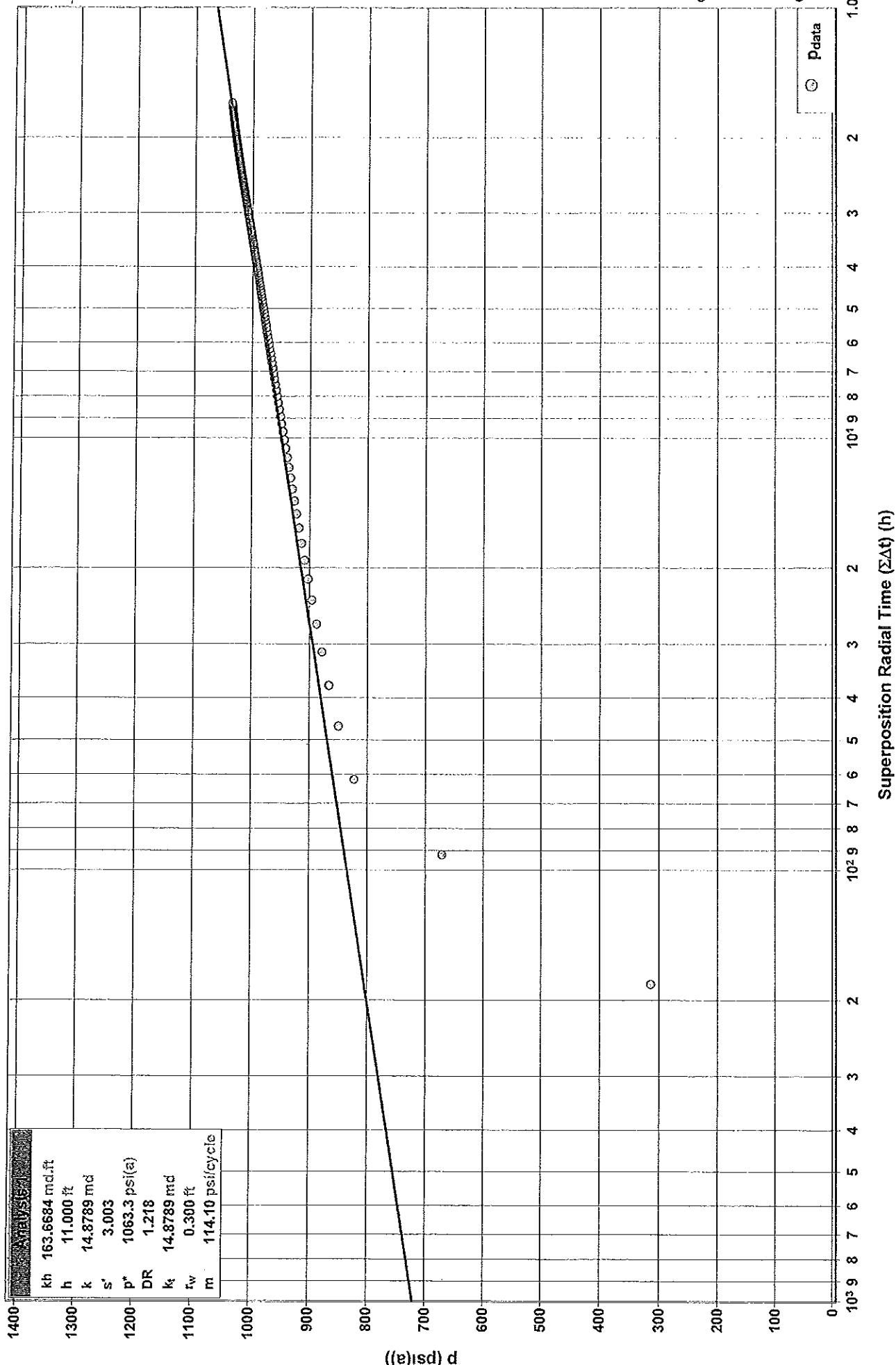
350' GIP
116' CO 100% OIL
170' GHOCMW 12% GAS, 27% OIL, 53% WTR, 8% MUD
510' GOSMW 2% GAS, 2% OIL, 95% WTR, 1% MUD
570' VSOSGW 2% GAS, 98% WTR W/SOME SPECKS OF OIL
1365' TOTAL FLUID

GRAVITY: 30.4 @ 60 DEG

CHLOR: 26,000 PPM
PH:7.0
RW: .28 @ 70 DEG

TOOL SAMPLE: 1% GAS, 98% WTR, 1% MUD W/ SOME SPOTS OF OIL

VESS OIL CORPORATION
BASS #10
DST #6 3,834' - 3,845'



kh	163.6684 md.ft
h	11.000 ft
k	14.8789 md
s'	3.003
p*	1063.3 psi(a)
DR	1.218
k _g	14.8789 md
r _w	0.300 ft
m	114.10 psi/cycle

Oil Well Test - Buildup Radial Flow Analysis

Analysis Results

Flow Capacity (kh)	163.7 md.ft	Total Skin (s')	3.003
Effective Permeability (k)	14.8789 md	Skin Due to Damage (s _d)	3.003
Effective Gas Permeability (k _g)	md	Skin Due To Inclination (s _{inc})	
Effective Oil Permeability (k _o)	14.8789 md	Skin Due To Partial Penetration (s _{pp})	
Effective Water Permeability (k _w)	md	Pressure Drop Due to Total Skin (Δp _{s,skin})	297.8 psi(a)
Total Fluid Rate (In situ) ((qβ) _i)	51.0 rbbl/d	Damage Ratio (DR)	1.218
Total Mobility ((k/μ) _i)	6.60 md/cP	Flow Efficiency (FE)	0.821
Total Transmissivity ((kh/μ) _i)	72.65.mdf/cP		
Slope (m)	114.10 psi/cycle		

Reservoir Parameters

Net Pay (h)	11.000 ft
Total Porosity (φ _t)	20.00 %
Gas Saturation (S _g)	0.00 %
Oil Saturation (S _o)	80.00 %
Water Saturation (S _w)	20.00 %
Formation Compressibility (c _f)	3.6468e-06 1/psi
Total Compressibility (c _t)	1.1676e-05 1/psi
Wellbore Radius (r _w)	0.300 ft

Pressures

Extrapolated Pressure (p*)	1063.3 psi(a)
Final Flowing Pressure (p _{vfo})	312.4 psi(a)
Final Measured Pressure (p _{last})	-0.9 psi(a)

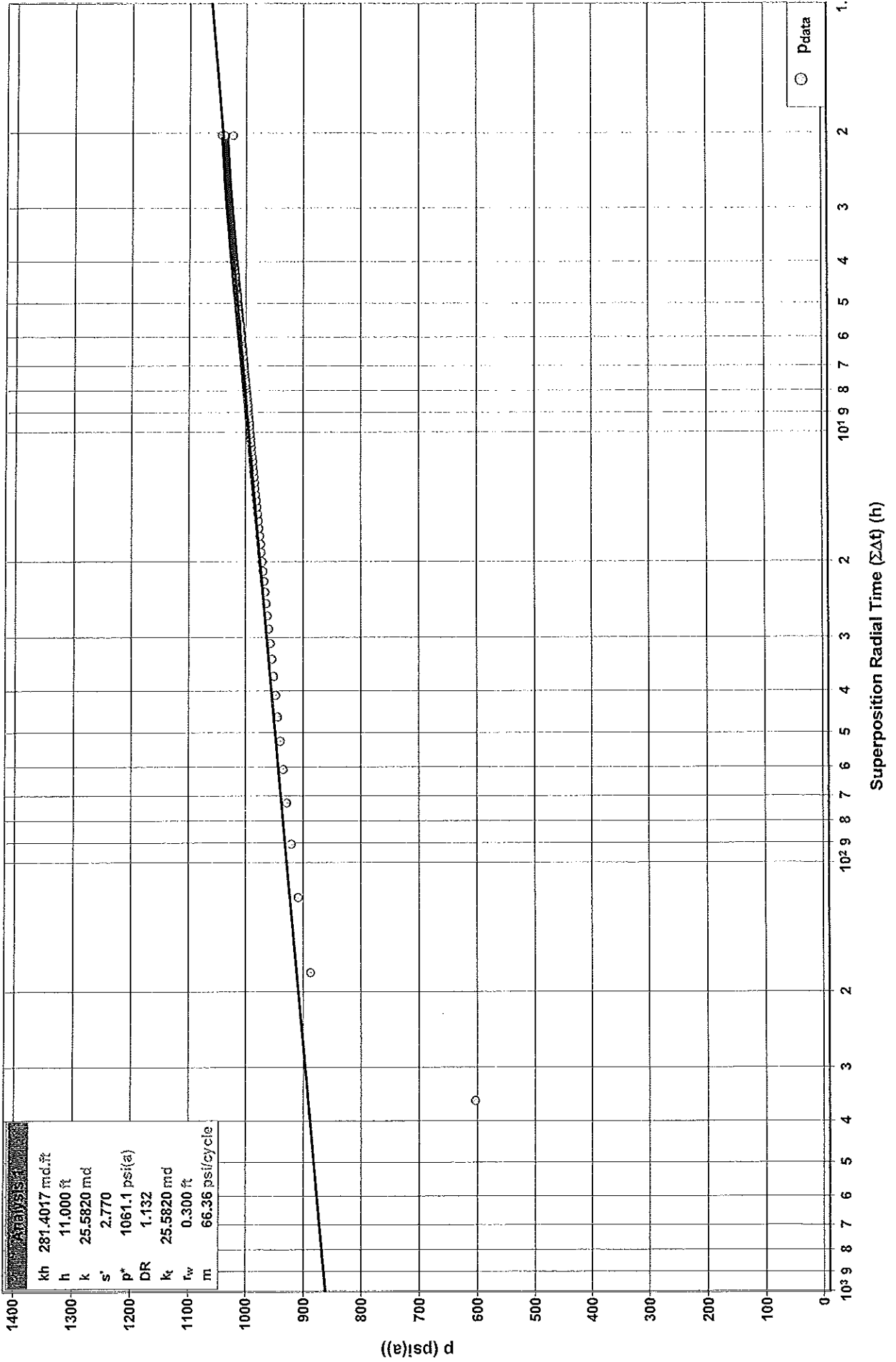
Fluid Properties

Reservoir Temperature (T _{resv})	115.0 °F
Reservoir Pressure (p _{resv})	1973.7 psi(a)
Oil Gravity (γ _o)	30.4 °API
Oil Viscosity (μ _o)	2.2528 cP
Oil Compressibility (c _o)	9.2908e-06 1/psi
Oil Formation Volume Factor (B _o)	1.186
Solution Gas Ratio (R _s)	334.5 scf/bbl
Oil Correlation	Vasquez and Beggs
Oil Viscosity Correlation	Beggs & Robinson

Production and Times

Corrected Time (t _c)	0.51 h
Total Cumulative Production Oil (Cum _{oil})	0.00 Mbbl
Final Oil Rate (q _{o final})	43.0 bbl/d

VESS OIL CORPORATION
 BASS #10
 DST #6 3,834' - 3,845'
 Radial



Oil Well Test - Buildup Radial Flow Analysis

Analysis Results

Flow Capacity (kh)	281.4 md.ft	Total Skin (s')	2.770
Effective Permeability (k)	25.5820 md	Skin Due to Damage (s _d)	2.770
Effective Gas Permeability (k _g)	md	Skin Due To Inclination (s _{inc})	
Effective Oil Permeability (k _o)	25.5820 md	Skin Due To Partial Penetration (s _{pp})	
Effective Water Permeability (k _w)	md	Pressure Drop Due to Total Skin (Δp _{skin})	159.7 psi(a)
Total Fluid Rate (in situ) ((qβ) _i)	51.0 rbbl/d	Damage Ratio (DR)	1.132
Total Mobility ((k/μ) _i)	11.36 md/cP	Flow Efficiency (FE)	0.883
Total Transmissivity ((kh/μ) _i)	124.91 mdft/cP		
Slope (m)	66.36 psi/cycle		

Reservoir Parameters

Net Pay (h)	11.000 ft
Total Porosity (φ _t)	20.00 %
Gas Saturation (S _g)	0.00 %
Oil Saturation (S _o)	80.00 %
Water Saturation (S _w)	20.00 %
Formation Compressibility (c _f)	3.6468e-06 1/psi
Total Compressibility (c _t)	1.1676e-05 1/psi
Wellbore Radius (r _w)	0.300 ft

Pressures

Extrapolated Pressure (p*)	1061.1 psi(a)
Final Flowing Pressure (p _{vfo})	602.7 psi(a)
Final Measured Pressure (p _{last})	-0.9 psi(a)

Fluid Properties

Reservoir Temperature (T _{resv})	115.0 °F
Reservoir Pressure (p _{resv})	1973.7 psi(a)
Oil Gravity (γ _o)	30.4 °API
Oil Viscosity (μ _o)	2.2528 cP
Oil Compressibility (c _o)	9.2908e-06 1/psi
Oil Formation Volume Factor (B _o)	1.186
Solution Gas Ratio (R _s)	334.5 scf/bbl
Oil Correlation	Vasquez and Beggs
Oil Viscosity Correlation	Beggs & Robinson

Production and Times

Corrected Time (t _c)	1.25 h
Total Cumulative Production Oil (Cum _{oil})	0.00 Mbbbl
Final Oil Rate (q _{o final})	43.0 bbl/d

DST #6 ARBUCKLE
3,834' - 3,845'

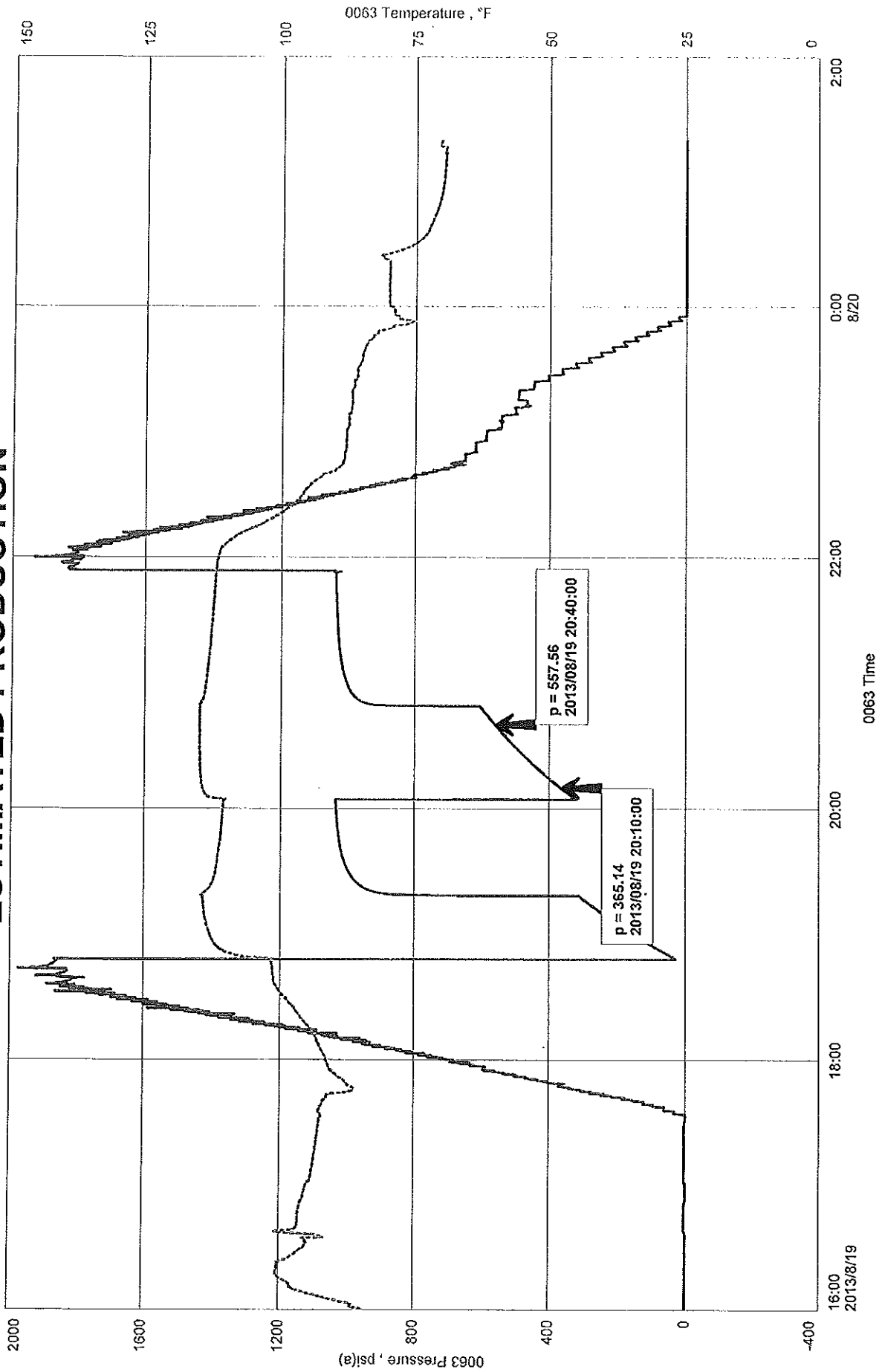
VESS OIL CORPORATION
BASS #10

<u>DESCRIPTION</u>	<u>SECOND</u>	<u>FIRST</u>	<u>PRESSURE</u>	<u>DRILL-</u>	<u>FLUID</u>	<u>TIME</u>	<u>TOTAL</u>	<u>DAILY</u>	<u>AVERAGE</u>	<u>ESTIMATED</u>
FINAL FLOW	<u>READING</u>	<u>READING</u>	<u>CHANGE</u>	<u>PIPE</u>	<u>GRADIENT</u>	<u>CHANGE</u>	<u>TIME</u>	<u>PRODUCTION</u>	<u>PERCENTAGE</u>	<u>DAILY</u>
	558	365	193	<u>SIZE-ID</u>	0.379	30	1440	347	OIL	PRODUCTION
				0.0142					12.49%	43

BASS #10
Formation: DST#6 3834-3845 ARBUCKLE
Pool: WILDCAT
Job Number: M533

VESS OIL CORPORATION
DST#6 3834-3845 ARBUCKLE
Start Test Date: 2013/08/19
Final Test Date: 2013/08/20

ESTIMATED PRODUCTION



VESS OIL CORPORATION
DST#6 3834-3845 ARBUCKLE
Start Test Date: 2013/08/19
Final Test Date: 2013/08/20

BASS #10
Formation: DST#6 3834-3845 ARBUCKLE
Pool: WILDCAT
Job Number: M533

BASS #10

