KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1067060

Form ACO-1
June 2009
Form Must Be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 3956
Name: Brungardt Oil and Leasing Inc.
Address 1: 529 E 14TH
Address 2: PO BOX 871
City: RUSSELL State: KS Zip: 67665 + 1731
Contact Person: Gary L. Brungardt
Phone: (785) 483-4975
CONTRACTOR: License # 5184
Name: Shields Oil Producers Inc
Wellsite Geologist: Brad Hutchinson
Purchaser:

Designate Type of Completion:

- [x] New Well
- [ ] Re-Entry
- [ ] Workover

- [ ] Oil
- [ ] WSW
- [x] SWD
- [ ] SIOW
- [ ] Gas
- [ ] D&A
- [ ] ENHR
- [ ] SIGW
- [ ] OG
- [ ] GSW
- [ ] Temp. Abd.
- [ ] CM *(Coal Bed Methane)*
- [ ] Cathodic
- [ ] Other *(Core, Expl., etc.)*:

If Workover/Re-entry: Old Well Info as follows:

Operator:
Well Name:
Original Comp. Date: Original Total Depth:

- [ ] Deepening
- [ ] Re-perf.
- [ ] Conv. to ENHR
- [ ] Conv. to SWD
- [ ] Conv. to GSW
- [ ] Plug Back: Plug Back Total Depth
- [ ] Commingled Permit #:
- [ ] Dual Completion Permit #:
- [ ] SWD Permit #:
- [ ] ENHR Permit #:
- [ ] GSW Permit #:

7/28/2011	8/4/2011	9/08/2011
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-141-20431-00-00
Spot Description:
SE - SW - NE - NE Sec. 36 Twp. 10 S. R. 15 [ ] East [x] West
1050 Feet from [x] North / [ ] South Line of Section
680 Feet from [x] East / [ ] West Line of Section
Footages Calculated from Nearest Outside Section Corner:
[x] NE [ ] NW [ ] SE [ ] SW
County: Osborne
Lease Name: Henry Well #: 3
Field Name:
Producing Formation: arbuckle
Elevation: Ground: 1787 Kelly Bushing: 1792
Total Depth: 3784 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 222 Feet
Multiple Stage Cementing Collar Used? [x] Yes [ ] No
If yes, show depth set: 985 Feet
If Alternate II completion, cement circulated from: 0
feet depth to: 985 w/ 150 sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)

Chloride content: 42000 ppm Fluid volume: 800 bbls
Dewatering method used: Evaporated
Location of fluid disposal if hauled offsite:
Operator Name:
Lease Name: License #:
Quarter Sec. Twp. S. R. [ ] East [ ] West
County: Permit #:

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

- [ ] **Letter of Confidentiality Received**
  Date:
- [ ] **Confidential Release Date:**
- [ ] **Wireline Log Received**
- [x] **Geologist Report Received**
- [x] **UIC Distribution**

ALT [ ] I [x] II [ ] III **Approved by:** Deanna Garrisor **Date:** 11/15/2011

Side Two

1067060

Operator Name: Brungardt Oil and Leasing Inc. Lease Name: Henry Well #: 3

Sec. 36 Twp. 10 S. R. 15 ☐ East ☑ West County: Osborne

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken ☑ Yes ☐ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☑ Yes ☐ No

Cores Taken ☐ Yes ☑ No

Electric Log Run ☐ Yes ☑ No

Electric Log Submitted Electronically ☐ Yes ☐ No
(If no, Submit Copy)

List All E. Logs Run:

☐ Log Formation (Top), Depth and Datum ☐ Sample

Name Top Datum

See Geologist Report

CASING RECORD ☑ New ☐ Used

Report all strings set-conductor, surface, intermediate, production, etc.

Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12.25	8.625	24	222	Common	150	3%cc
Production	7.875	5.5	17	3648	Common	220	10%salt

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
☐ Perforate ☑ Protect Casing ☐ Plug Back TD ☐ Plug Off Zone	0-985	Q-MDC	90	.25 lb flo seal per sk
	-			

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record *(Amount and Kind of Material Used)*	Depth
0	open hole	1000 gal. 28% mud acid	3600

TUBING RECORD: Size: 23/8 Set At: 3565 Packer At: 3565

Liner Run: ☐ Yes ☑ No

Date of First, Resumed Production, SWD or ENHR. 10/24/2011

Producing Method: ☐ Flowing ☐ Pumping ☐ Gas Lift ☑ Other *(Explain)* SWD

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS:
☐ Vented ☐ Sold ☐ Used on Lease
(If vented, Submit ACO-18.)

METHOD OF COMPLETION:
☐ Open Hole ☐ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*
☐ Other *(Specify)* _____

PRODUCTION INTERVAL:
_____
_____

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

DRILL STEM TEST REPORT

Brungardt Oil & Leasing inc.

529 E. 14th
PO Box 871
Russell, Ks. 67665+1731
ATTN: Brad Hutchinson

Henry #3

36-10s-15w Osborne

Job Ticket: 43521 **DST#: 1**

Test Start: 2011.07.31 @ 22:45:05

GENERAL INFORMATION:

Formation: **LKC"A"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 00:12:40
Time Test Ended: 03:26:50

Test Type: Conventional Bottom Hole
Tester: Andy Carreira
Unit No: 39

Interval: 2970.00 ft (KB) To 3010.00 ft (KB) (TVD)
Total Depth: 3010.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

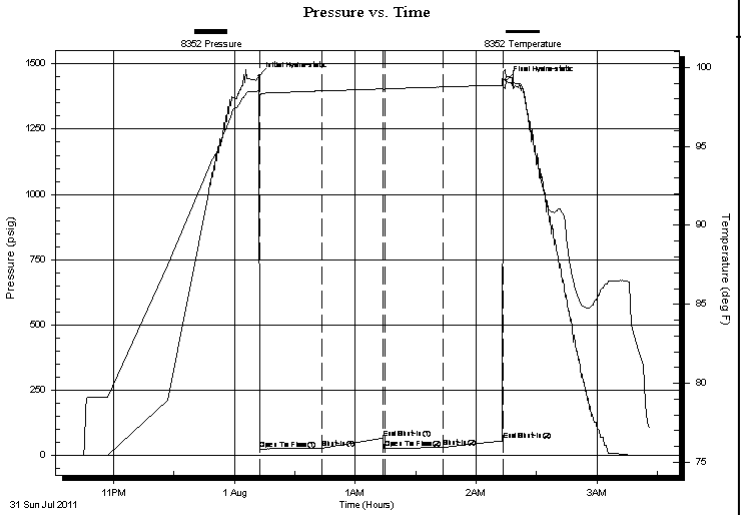
Reference Elevations: 1998.00 ft (KB)
1993.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8352 **Outside**

Press@RunDepth: 29.95 psig @ 2971.00 ft (KB)
Start Date: 2011.07.31 End Date: 2011.08.01
Start Time: 22:45:05 End Time: 03:26:50

Capacity: 8000.00 psig
Last Calib.: 2011.08.01
Time On Btm: 2011.08.01 @ 00:12:10
Time Off Btm: 2011.08.01 @ 02:14:40

TEST COMMENT: IF:(30min) Weak, died in 25min.
IS:(30min) No Return
FF:(30min) Surface blow died in 7min.
FS:(30min) No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1453.14	98.58	Initial Hydro-static
1	23.51	98.11	Open To Flow (1)
32	27.87	98.51	Shut-In(1)
62	66.53	98.64	End Shut-In(1)
63	27.24	98.63	Open To Flow (2)
92	29.95	98.76	Shut-In(2)
122	56.19	98.87	End Shut-In(2)
123	1437.61	99.38	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	Mud w/oil spks in tool	0.14

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

DRILL STEM TEST REPORT

FLUID SUMMARY

Brungardt Oil & Leasing inc.

529 E. 14th
PO Box 871
Russell, Ks. 67665+1731
ATTN: Brad Hutchinson

Henry #3

36-10s-15w Osborne

Job Ticket: 43521 **DST#: 1**

Test Start: 2011.07.31 @ 22:45:05

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	deg API
Mud Weight:	50.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	9.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	6.40 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	3900.00 ppm				
Filter Cake:	inches				

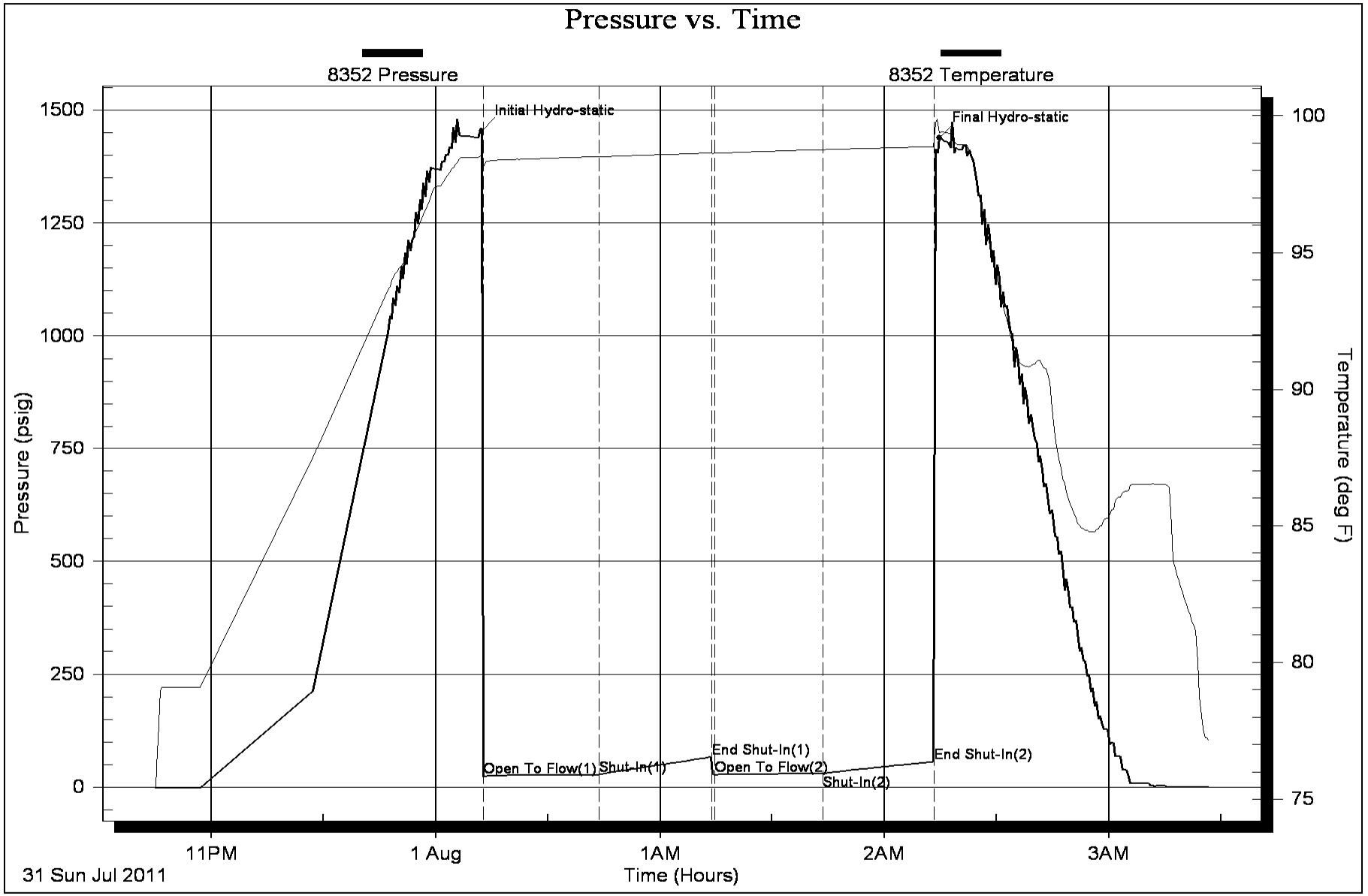
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	Mud w/oil spks in tool	0.142

Total Length: 20.00 ft Total Volume: 0.142 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:


Pressure vs. Time
8352 Pressure
8352 Temperature
Initial Hydro-static
Final Hydro-static
Open To Flow(1)
Shut-In(1)
End Shut-In(1)
Open To Flow(2)
Shut-In(2)
End Shut-In(2)
Pressure (psig)
Temperature (deg F)
1500
1250
1000
750
500
250
0
100
95
90
85
80
75
11PM
1 Aug
1AM
2AM
3AM
31 Sun Jul 2011
Time (Hours)

DRILL STEM TEST REPORT

Brungardt Oil & Leasing inc.

529 E. 14th
PO Box 871
Russell, Ks. 67665+1731
ATTN: Brad Hutchinson

Henry #3

36-10s-15w Osborne

Job Ticket: 43522 **DST#: 2**

Test Start: 2011.08.01 @ 11:33:05

GENERAL INFORMATION:

Formation: **LKC"B-C"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 12:39:20
Time Test Ended: 17:37:59

Test Type: Conventional Bottom Hole
Tester: Andy Carreira
Unit No: 39

Interval: 3005.00 ft (KB) To 3050.00 ft (KB) (TVD)
Total Depth: 3050.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

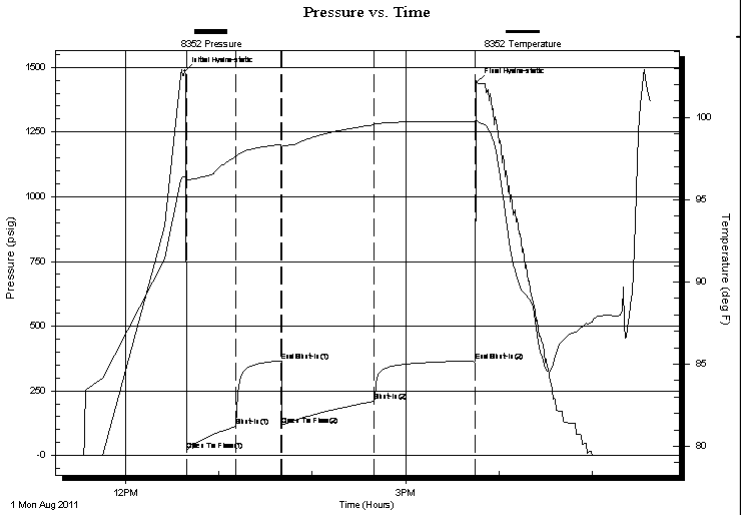
Reference Elevations: 1998.00 ft (KB)
1993.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8352 **Outside**

Press@RunDepth: 210.04 psig @ 3012.00 ft (KB)
Start Date: 2011.08.01 End Date: 2011.08.01
Start Time: 11:33:05 End Time: 17:37:59

Capacity: 8000.00 psig
Last Calib.: 2011.08.01
Time On Btm: 2011.08.01 @ 12:38:10
Time Off Btm: 2011.08.01 @ 15:45:40

TEST COMMENT: IF:(30min) BOB, 20 min.
IS:(30min) No Return
FF:(60min) BOB, 35 min.
FS:(60min) No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1484.82	96.42	Initial Hydro-static
2	20.76	95.95	Open To Flow (1)
33	113.19	97.63	Shut-In(1)
62	366.13	98.36	End Shut-In(1)
63	116.84	98.25	Open To Flow (2)
122	210.04	99.56	Shut-In(2)
187	364.32	99.77	End Shut-In(2)
188	1441.47	99.86	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
430.00	SOSMW m=30% w=70%	3.05

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

DRILL STEM TEST REPORT

FLUID SUMMARY

Brungardt Oil & Leasing inc.

529 E. 14th
PO Box 871
Russell, Ks. 67665+1731
ATTN: Brad Hutchinson

Henry #3

36-10s-15w Osborne

Job Ticket: 43522 **DST#: 2**

Test Start: 2011.08.01 @ 11:33:05

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	deg API
Mud Weight:	55.00 lb/gal	Cushion Length:	ft	Water Salinity:	57000 ppm
Viscosity:	9.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.20 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	4000.00 ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

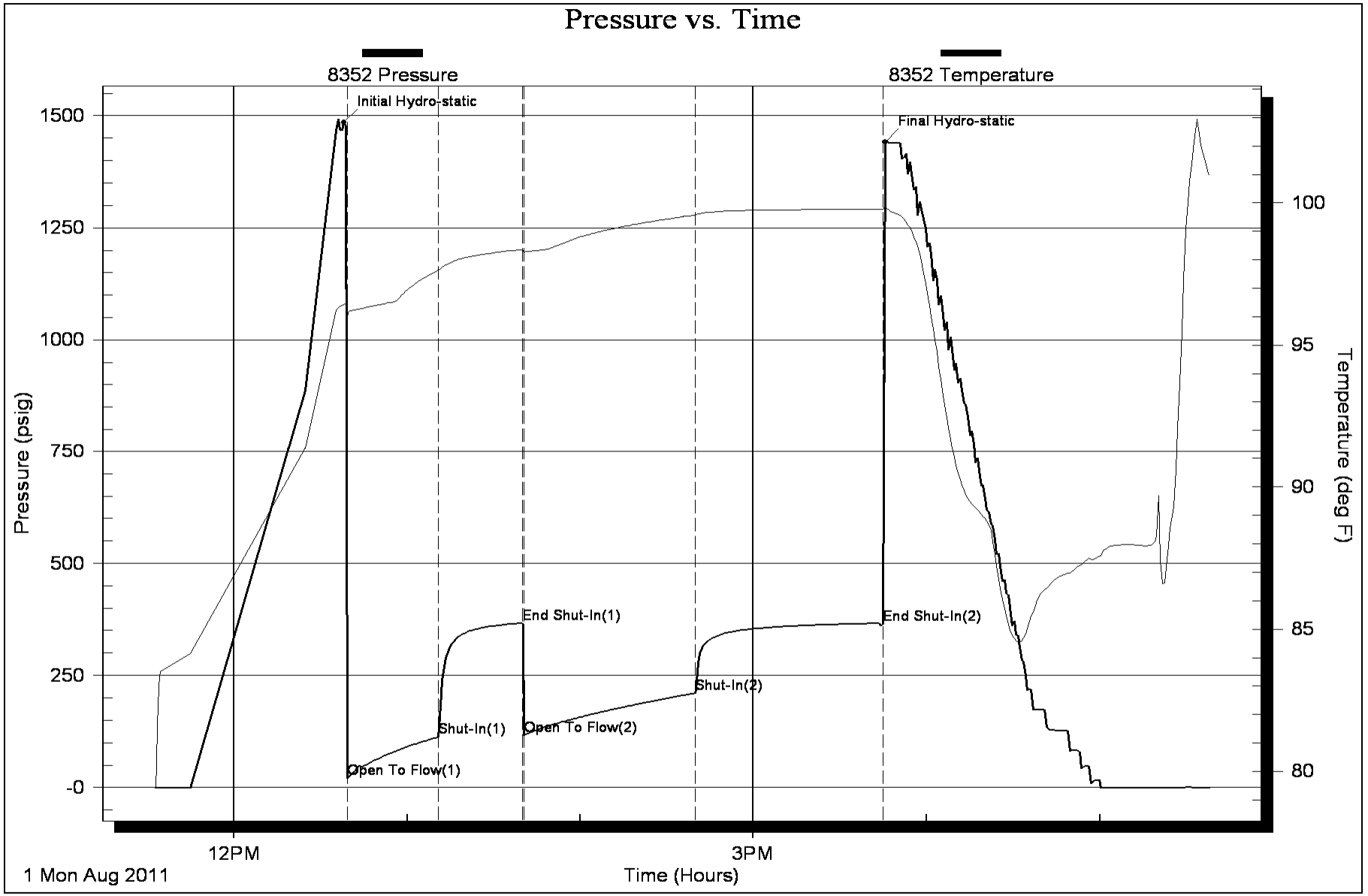
Length ft	Description	Volume bbl
430.00	SOSMW m=30% w=70%	3.045

Total Length: 430.00 ft Total Volume: 3.045 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments: Resistivity= .085 @ 105 temp= 57000


Pressure vs. Time
8352 Pressure
8352 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Shut-In(1)
Shut-In(2)
Open To Flow(1)
Open To Flow(2)
1500
1250
1000
750
500
250
-0
100
95
90
85
80
Pressure (psig)
Temperature (deg F)
12PM
3PM
1 Mon Aug 2011
Time (Hours)

DRILL STEM TEST REPORT

Brungardt Oil & Leasing inc.

529 E. 14th
PO Box 871
Russell, Ks. 67665+1731
ATTN: Brad Hutchinson

Henry #3

36-10s-15w Osborne

Job Ticket: 43523 **DST#: 3**

Test Start: 2011.08.02 @ 06:36:05

GENERAL INFORMATION:

Formation: **LKC" I-J"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 08:04:10
Time Test Ended: 10:46:50

Test Type: Conventional Bottom Hole
Tester: Andy Carreira
Unit No: 39

Interval: 3155.00 ft (KB) To 3200.00 ft (KB) (TVD)
Total Depth: 3200.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

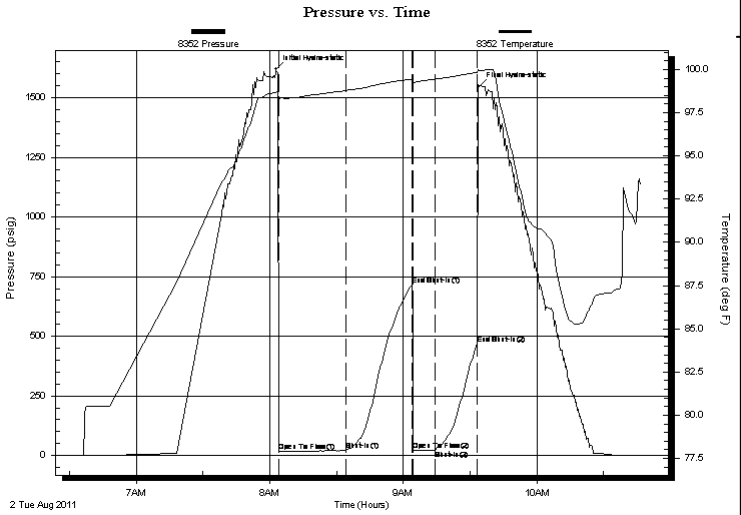
Reference Elevations: 1998.00 ft (KB)
1993.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8352 **Outside**

Press@RunDepth: 22.62 psig @ 3162.00 ft (KB)
Start Date: 2011.08.02 End Date: 2011.08.02
Start Time: 06:36:05 End Time: 10:46:50

Capacity: 8000.00 psig
Last Calib.: 2011.08.02
Time On Btm: 2011.08.02 @ 08:02:50
Time Off Btm: 2011.08.02 @ 09:34:00

TEST COMMENT: IF:(30min) Died in 7 min.
IS:(30min) No Return
FF:(15min) No Blow
FS:(15min) No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1618.70	98.68	Initial Hydro-static
2	16.13	98.23	Open To Flow (1)
32	20.49	98.77	Shut-In(1)
62	716.53	99.45	End Shut-In(1)
62	22.01	99.12	Open To Flow (2)
72	22.62	99.44	Shut-In(2)
91	468.83	99.83	End Shut-In(2)
92	1548.45	99.95	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud	0.04

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

DRILL STEM TEST REPORT

FLUID SUMMARY

Brungardt Oil & Leasing inc.

529 E. 14th
PO Box 871
Russell, Ks. 67665+1731
ATTN: Brad Hutchinson

Henry #3

36-10s-15w Osborne

Job Ticket: 43523 **DST#: 3**

Test Start: 2011.08.02 @ 06:36:05

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	deg API
Mud Weight:	55.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	9.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.20 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	4000.00 ppm				
Filter Cake:	inches				

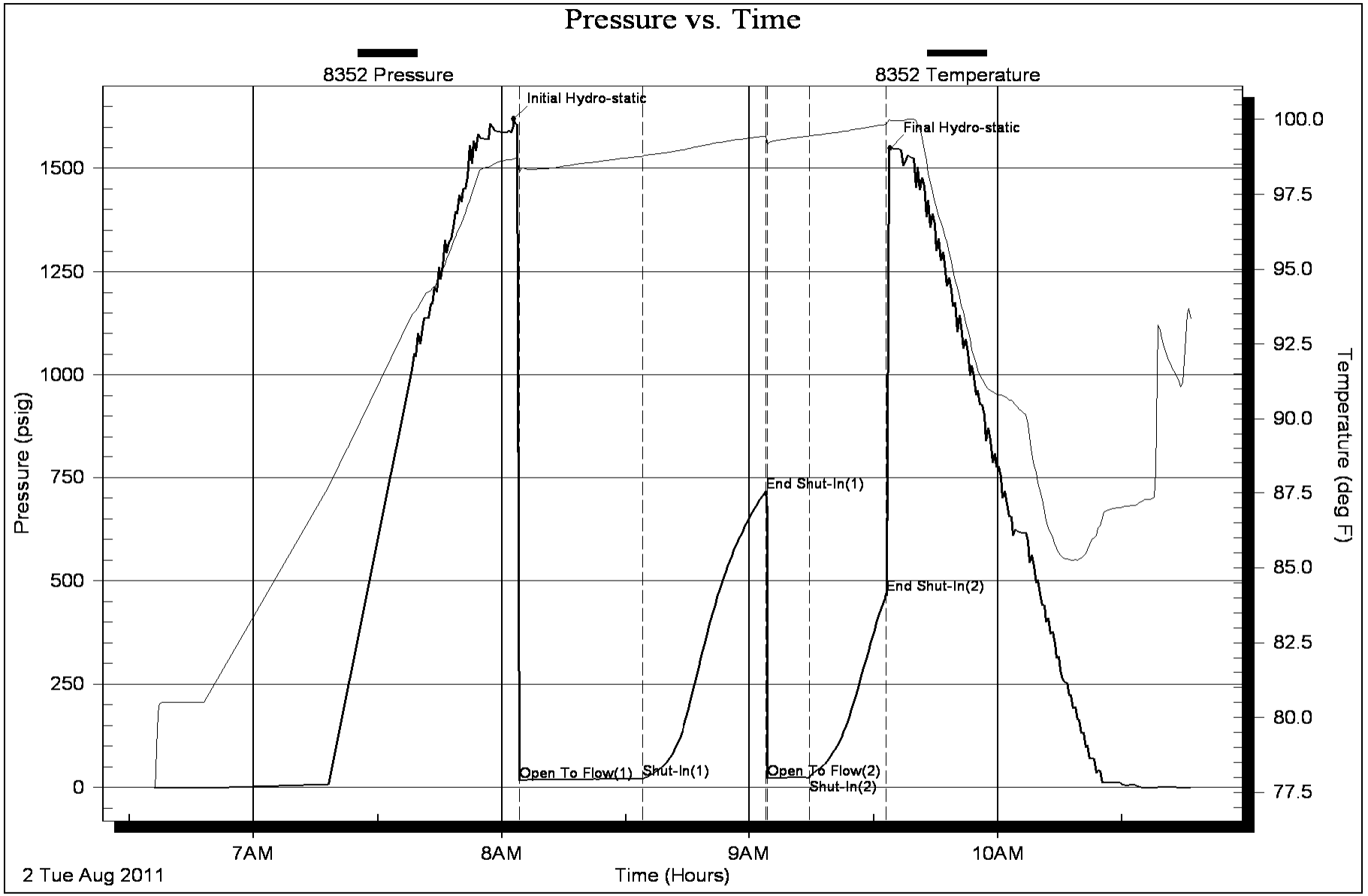
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Mud	0.035

Total Length: 5.00 ft Total Volume: 0.035 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:


Pressure vs. Time
8352 Pressure
8352 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Open To Flow(1)
Shut-In(1)
Open To Flow(2)
Shut-In(2)
Pressure (psig)
Temperature (deg F)
1500
1250
1000
750
500
250
0
100.0
97.5
95.0
92.5
90.0
87.5
85.0
82.5
80.0
77.5
7AM
8AM
9AM
10AM
2 Tue Aug 2011
Time (Hours)

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 5089

Date	Sec.	Twp.	Range	County	State	On Location	Finish
9-8-11				Osborne	Kansas		2:00pm

Lease Henry Well No. 3 Location Paradise 3W ½N ½E

Contractor CKWS

Type Job Port Collar

Hole Size T.D.

Csg. 5½ Depth

Tbg. Size 2⅜ Depth

Tool Port Collar Depth 985

Cement Left in Csg. Shoe Joint

Meas Line Displace

Owner

To Quality Oilwell Cementing, Inc.
You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.

Charge To Brungardt Oil & Leasing

Street

City State

The above was done to satisfaction and supervision of owner agent or contractor.

Cement Amount Ordered 150 Q-MDC ¼# Flo Seal per sk used 90

Common 90 QMDC

Poz. Mix

Gel.

Calcium

Hulls

Salt

Flowseal 37#

Kol-Seal

Mud CLR 48

CFL-117 or CD110 CAF 38

Sand

Handling 150

Mileage

EQUIPMENT

Pumptrk 5 No. Cementer Steve / Helper

Bulktrk 14 No. Driver Craig / Driver

Bulktrk No. Driver Michael / Driver

JOB SERVICES & REMARKS

Remarks:

Rat Hole

Mouse Hole

Centralizers

Baskets

D/V or Port Collar 985

Port Collar @ 985

RBP @ 1249

Pressure casing to 600psi

Open tool & Break Circulation

90

Mix ~~85~~ sx & Circulate Cement

Close tool & pressure casing to 600 psi

Run 5 jts & wash clean

FLOAT EQUIPMENT

Guide Shoe

Centralizer

Baskets

AFU Inserts

Float Shoe

Latch Down

Pumptrk Charge Port Collar

Mileage 22

Tax

Discount

Total Charge

X Signature

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 5321

	Sec.	Twp.	Range	County	State	On Location	Finish
Date 8-4-11	36	10	15	Osborne	KS		10:45 AM.

Lease Henry Well No. 3 Location Paradise W RD 245 1/2N 1/2E 5mto

Contractor Shields

Type Job Production String

Hole Size 7 7/8 T.D. 3784

Csg. 5 1/2 Depth 3648

Tbg. Size Depth

Tool Port Collar #82 Depth 986

Cement Left in Csg. 33' Shoe Joint 33'

Meas Line Displace 83 3/4 BC

Owner

To Quality Oilwell Cementing, Inc.
You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.

Charge To Brungardt Oil + Leasing

Street

City State

The above was done to satisfaction and supervision of owner agent or contractor.

Cement Amount Ordered 220 com 10% Salt 500 gal mud clear

EQUIPMENT

Pumptrk 9	No.	Cementer	Craig
		Helper	
Bulktrk	No.	Driver	Paul
		Driver	
Bulktrk 14	No.	Driver	Matt
		Driver	

JOB SERVICES & REMARKS

Remarks:

Rat Hole 30

Mouse Hole 15

Centralizers

Baskets

D/V or Port Collar

5 1/2 set @ 3648. Insert @ 3615 Est Circulation. Drop ball & set Packer shoe. Pump 500 gal mud clear & 10 BL Spacer Plug Rathole & Mousehole. Cement 5 1/2. Clear lines & Displace plug. Plug landed 1500# Held. Release pressure Dry.

Thanks

X Signature Burton Beery

Common	220
Poz. Mix	
Gel.	
Calcium	
Hulls	
Salt	19
Flowseal	
Kol-Seal	
Mud CLR 48	500 gal
CFL-117 or CD110 CAF 38	
Sand	
Handling	239
Mileage	

FLOAT EQUIPMENT

Guide Shoe	5 1/2
Centralizer	Packer shoe
Baskets	10 Centralizers
AFU Inserts	1 Basket
Float Shoe	1 port collar
Latch Down	1

Pumptrk Charge	prod Long String
Mileage 22	
Tax	
Discount	
Total Charge	

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 5116

Date	Sec.	Twp.	Range	County	State	On Location	Finish
7-28-11	36	10	15	Osborne	Ks		6:30 AM

Lease Henry Well No. #3 Location Paradise, Ks - 2W to 245 Rd

Contractor Shields Drilling Owner 1/4 N, 1/4 W - S/S

Type Job Surface

To Quality Oilwell Cementing, Inc.
You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.

Hole Size	12 1/4"	T.D.	220'
Csg.	8 5/8"	Depth	222'
Tbg. Size		Depth	
Tool		Depth	
Cement Left in Csg.	15'	Shoe Joint	15'
Meas Line		Displace	13 Bbls

Charge To Brungardt Oil

Street

City State

The above was done to satisfaction and supervision of owner agent or contractor.

Cement Amount Ordered 150 Common 3% cc 2% Gel

EQUIPMENT

Pumptrk 1	No.	Cementer	Cisco
		Helper	
Bulktrk 14	No.	Driver	Doug
		Driver	
~~Bulktrk~~ p.u.	No.	Driver	Rick
		Driver	

JOB SERVICES & REMARKS

Remarks: Cement did Circulate,

Rat Hole

Mouse Hole

Centralizers

Baskets

D/V or Port Collar

Common	150
Poz. Mix	
Gel.	3
Calcium	5
Hulls	
Salt	
Flowseal	
Kol-Seal	
Mud CLR 48	
CFL-117 or CD110 CAF 38	
Sand	
Handling	158
Mileage	

FLOAT EQUIPMENT

Guide Shoe	
Centralizer	
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	
	1 - wooden plug
Pumptrk Charge	Surface
Mileage	22
Tax	
Discount	
Total Charge	

X Signature Thomas Henry

/ES DRIVE
ELL, KANSAS 67665
785-483-0492

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

PANY BRUNGARDT OIL & LEASING, INC.
SE HENRY #3
LD HENRY
CATION SE SW NE NE
36 TWSP 10S RGE 15W
UNTY OSBORNE STATE KANSAS

NTRACTOR SHIELDS OIL PRODUCERS, INC.
UD 7-27-11 COMP 8-4-11
D 3784 LTD
JD UP 2400' TYPE MUD CHEMICAL

ELEVATIONS
KB 1798'
DF
GL 1793'
Measurements Are All From KELLY BUSHING

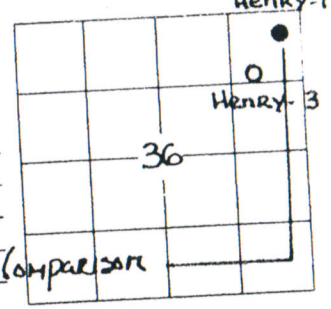
CASING
SURFACE 8 5/8" @ 219'
PRODUCTION 5½ @ 3648'

ELECTRICAL SURVEYS
None

AMPLES SAVED FROM 2650' TO RTD
RILLING TIME KEPT FROM 2600' TO RTD
AMPLES EXAMINED FROM 2650' TO RTD
EOLOGICAL SUPERVISION FROM 2650' TO RTD
EOLOGIST ON WELL

FORMATION TOPS	LOG	SAMPLES
ANHYDRITE	(-11)	947 +851
TOPEKA	(-4)	2695 -897
HEEBNER	(-3)	2945 -1147
TORONTO	(-4)	2965 -1167
LANSING	(-3)	2994 -1196
CONGLOMERATE SAND	(-14)	3376 -1578
ARBUCKLE	(+28)	3463 -1665

Structural Comparison



BIT — No. 1

7-27-11	MIRU	
7-28-11	222'	4½
7-29-11	563'	26 ¼
7-30-11	1935'	45 ¾
7-31-11	2570'	56 ½
8-01-11	3030'	65
8-02-11	3200'	80½
8-03-11	3528'	

HR

DEVIATION: ½°

SURVEY DEPTH: 222

STRAP: .76' long

REMARKS It was recommended that 5½" production casing be set and cemented, and the Henry #3 be completed as a saltwater disposal well.

Respectfully Submitted,
Brad J. Hutchison

LEGEND

Dolomite
Chert
Ool. Lime
Limestone
Carb sh
Shale
Sandstone
Salt
Anhydrite

DRILLING TIME

LOG 7702

7505

LOG 7702

LEGEND

Anhydrite | Salt | Sandstone | Shale | Carb sh | Limestone | Ool.Lime | Chert | Dolomite

LITHOLOGY | DEPTH | DRILLING TIME (Logarithmic Scale) | SAMPLE DESCRIPTIONS | REMA

.5 1 2 3 4 5 10 15 20 30

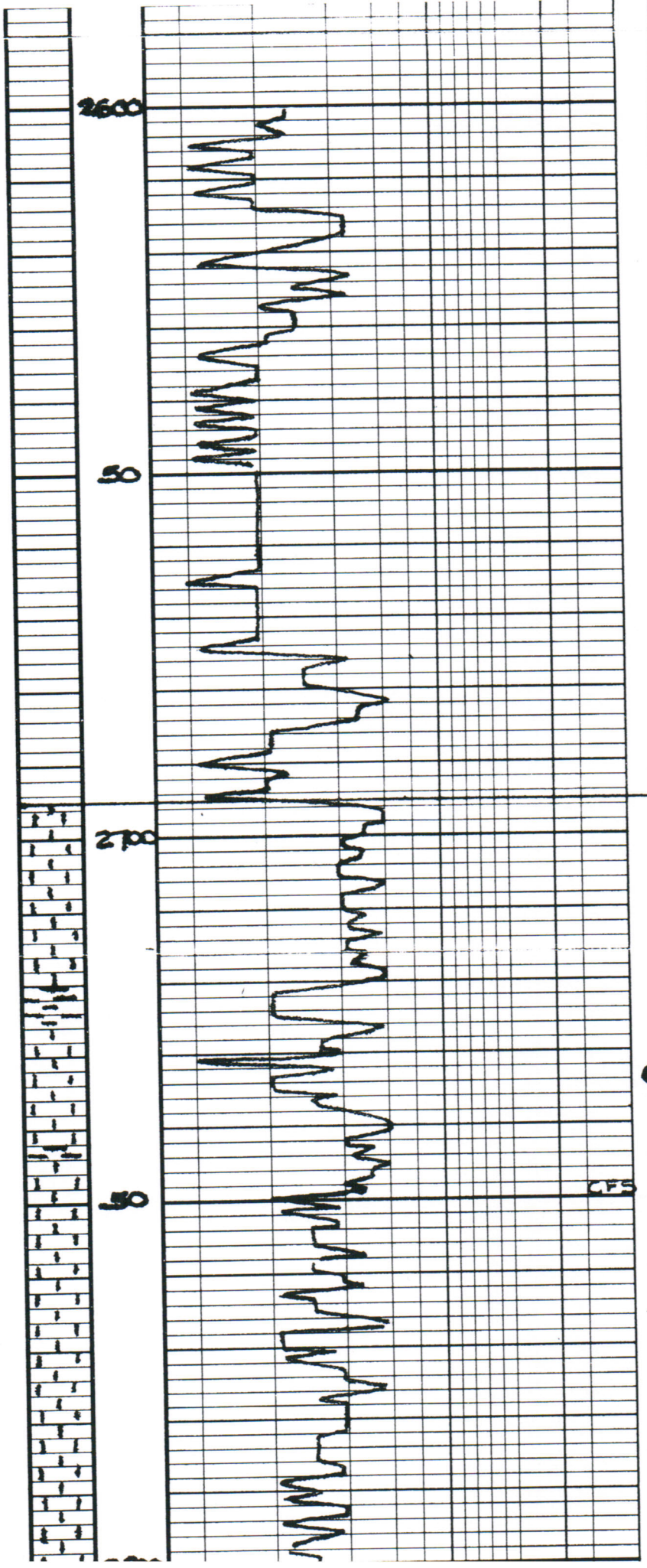
900

50

1000

2600

Anny 947



TOPEKA 269

LS CRM-BUFF FNXL-CHLKY SL FOSS
NS

LS A A

SH BRNISH RED-GRY

LS CRM-BUFF FNXL (SOFT) TR FR PP-SL VUG & FR-gd SLTD dark BRN stn-SAT., FR SFO FR ODOR

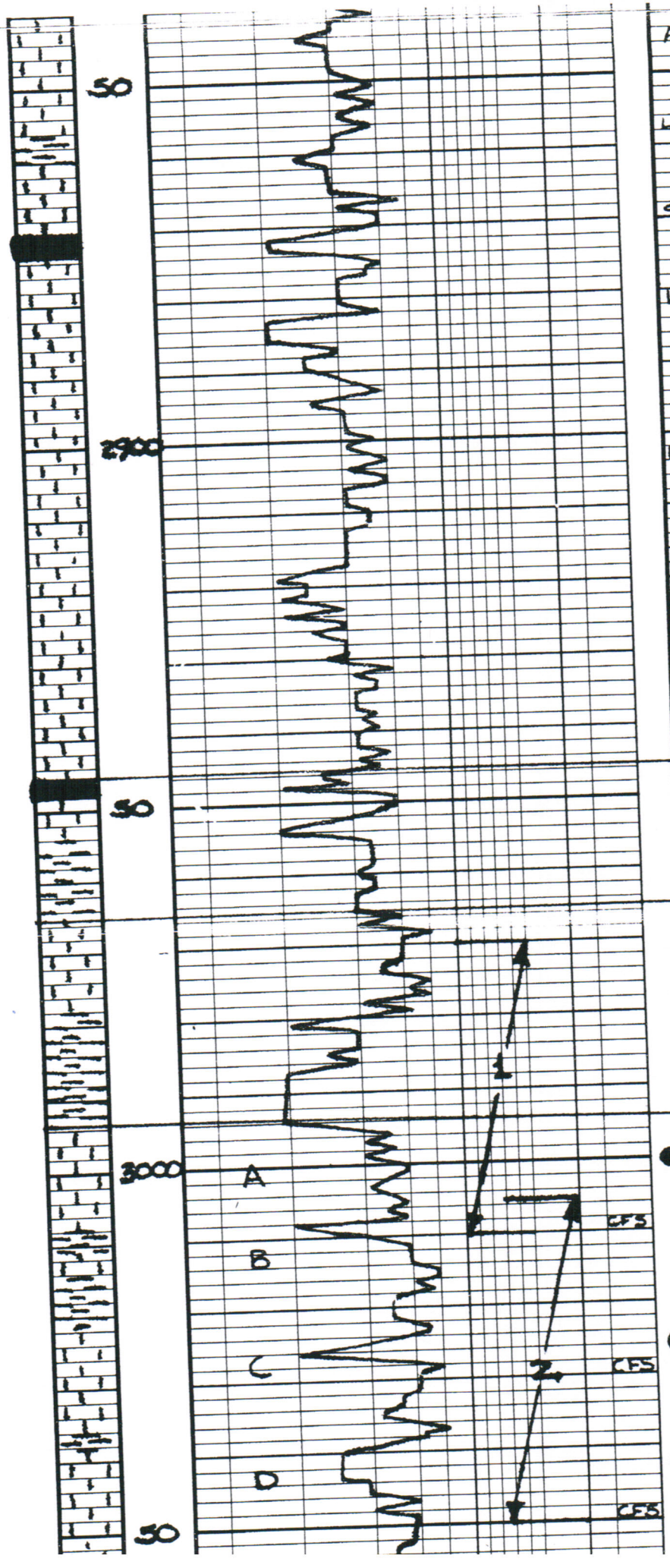
LS LT GRY DSE. HIGHLY FOSS.,

LOST RETURNS — 3150'

LS BUFF-LT GRY FNXL FOSS w/ TR SMOKY GRY A

LS BUFF FNXL FOSS

A A



AA WITH RUSTY BRN-GRY SH.,

LS & SH AA

SH BLK CARB.,

LS CRM-BUFF HIGHLY FOSS.,

LS GRY DSE. ∆Y PYRITIC

LS CRM-BUFF HIGHLY CHALKY FOSS

LS WHT CHALKY TR(dead) SPT STN

LS LT GRY DSE (PYRITIC)

SH BLK CARB

SH PALE GRN

LS OFF WHT-LT GRY SL DOLOMITIC, ABUND MILKY WHT ∆ NS

SH MAR RUSTY BRN (MICACEOUS)

LS BUFF VFNXL DSE. TR SPT OC PP-SL VUG ⊙ FR SCTD BRN STN-SAT), FT SFO FR ODOR

SH RUSTY BRN-PALE GRN

SH MAR-PALE GRN LAM.,

LS WHT-BUFF VFNXL OOC FR SCTD OOC ⊙ TR V. POOR SPT STN (2-3 pc.) VSSFO V. FT ODOR

LS BUFF FNXL OOL-OOC SCTD PC-FR OOC ⊙ TR SPT LT STN ABUND MILKY WHT SHARP ∆ TR FRAC type ⊙ SPT EDGE STN VSSFO FT ODOR

LS BUFF-LT GRY DSE.

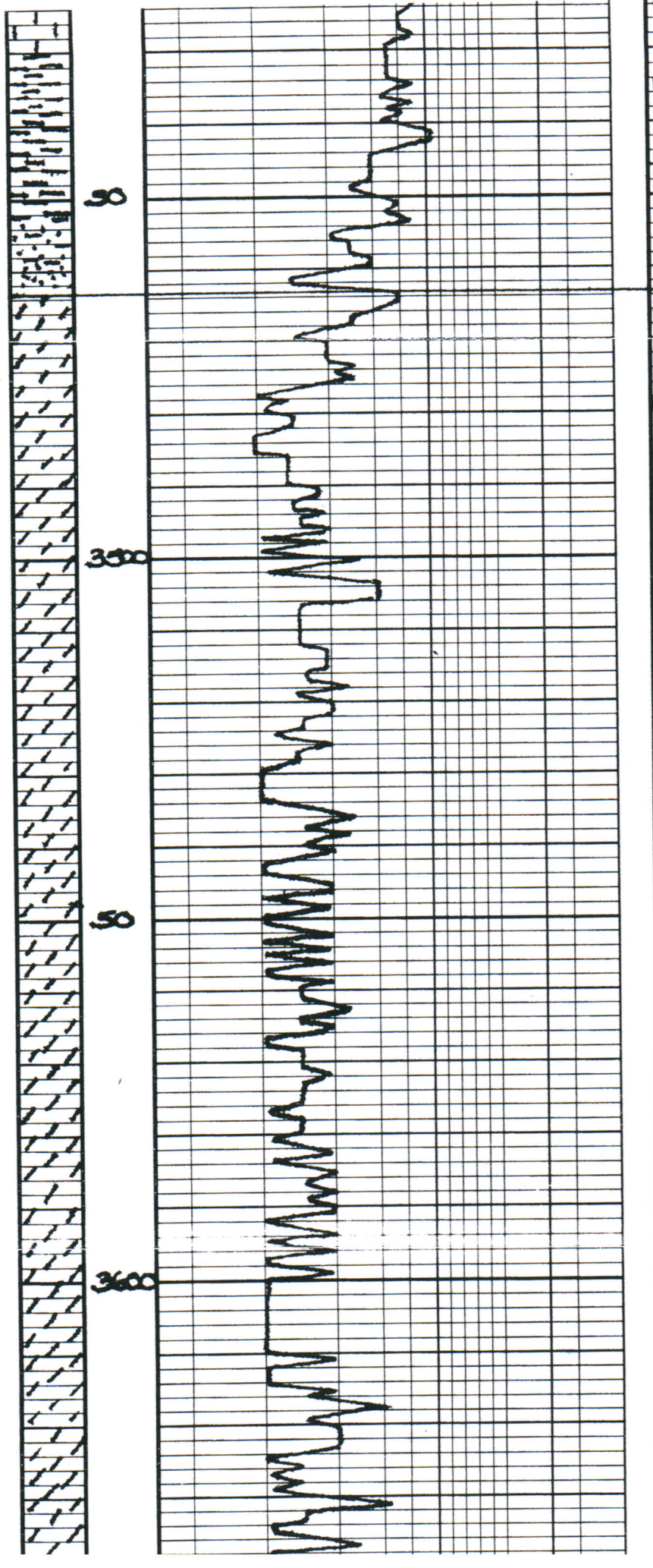
HEEBNER 2

TORONTO 29

LANSING 29

DST-1 2970
30 30
IF WK-die
FF No blow
REC 20' MU
SPKS IN TO
SIP 66-56
FP (23-27)(
HYH 1453-1
BHT 98°

CHART PRE



FN XL W LS
AA

INC BLUE GRN WAXY SH

VERY POOR SA

SH A A

AA

SS CLR-FROST FN-MD GRN FRI NS

ARBUCKLE 34

DOLO TAN-LT GRY FNXL-DSE NS

DOLO LT BRN MD XL gd INT XL ∅ NS

AA W/ INC BRN DSE DOLO

samples (very poor)

TR DOLO AA W/ ABUND BLU GRN SH

DOLO (GRY-BUFF MD-CS XL gd INT XL ∅ gd chomBK dev

DOLO AA

AA TR BONEY WHT A

DOLO AA W/ INC GRY FNXL DSE DOLO,

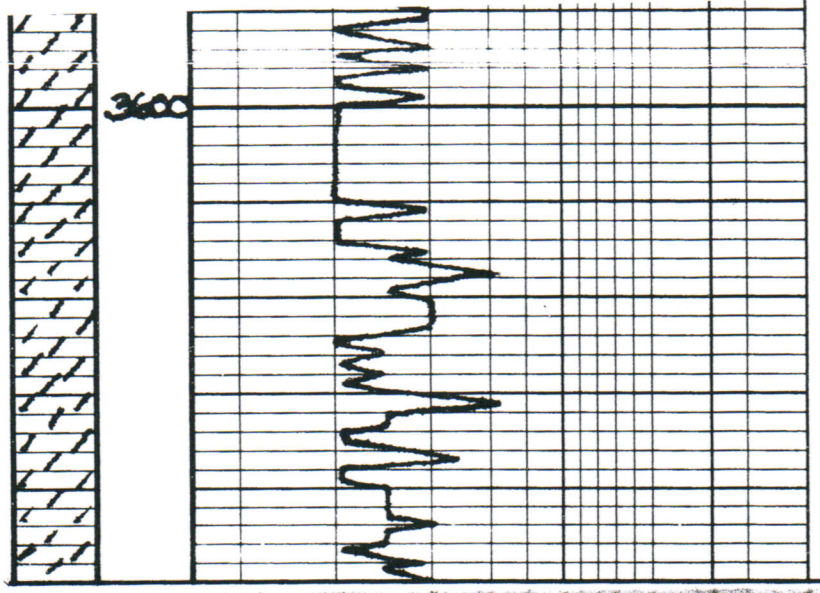
Same A A

DOLO PK-LT BRN FN-MD XL FEW OOC. PC gd ∅

DOLO LT BRN DSE.

DOLO BRN-PK MD-CS XL gd RHOMBK DEV

A A



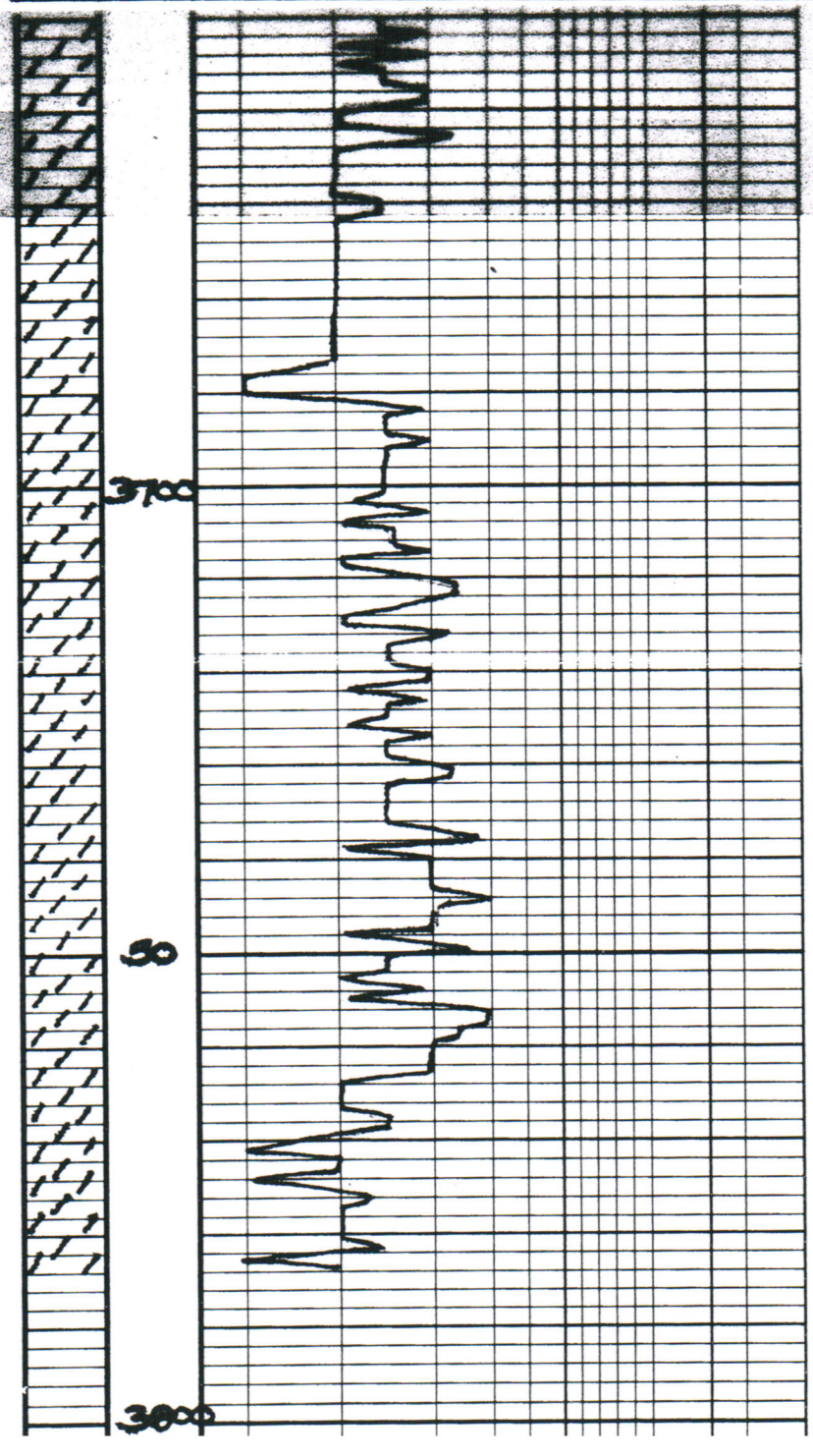
Same AA

DOLO PK-LT BRN FN-MD XL FEW OOC. PC gd

DOLO LT BRN DSC.

DOLO BRN-PK MD-CS XL gd RHOMBIC DEV

AA



Same AA

DOLO AA

DOLO LT GRY-BUFF MD XL gd INT XL

DOLO AA

AA inc. vug type gd Rhombic dev.

AA

AA

AA

LOST RETURNS

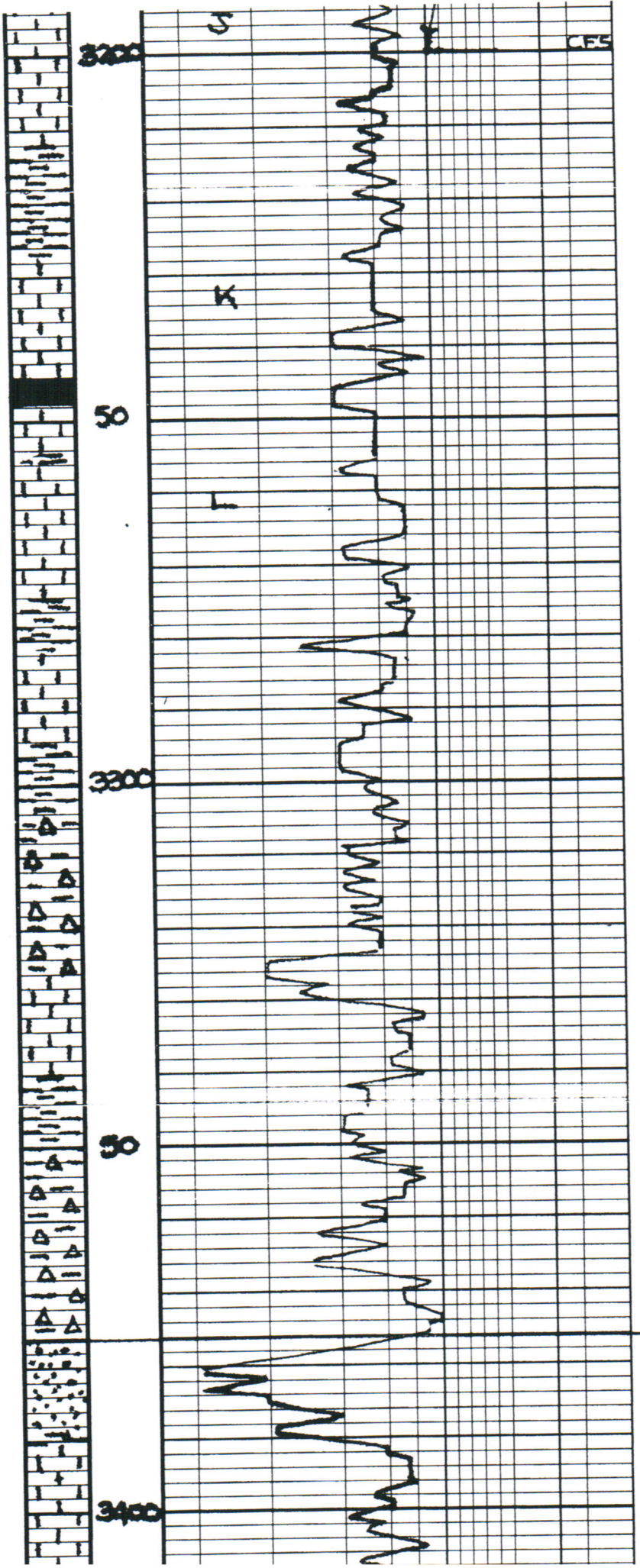


CHART PRO

NS

SH BLK CARB

SH MAT GRY (MEALY)

LS CRM-LT GRY HIGHLY FOSS DSE.

SH BLK CARB

LS OFF WHT FNXL FOSS W/ ABUND WHT CHALK

A A

SH GRY-PALE GRN-RUST MEALY

LS & SH A A

A A

A A TR MILKY WHT FOSS Δ

SH RUSTY BRN-GRN LAM., TR LOOSE qtz

LS WHT FNXL DSE

SH RUSTY BRN-MAROON

A A

INT. WHT CHALKY LS SH A A

Δ V.C. OOL TR SS

NS

SS CLR-PK FN GRN W/ Δ INCLUSIONS RD-SUB RD COMPACT SH FRI W/ ABUND VC Δ

Cg. Sand

NS

LS BUFF-LT GRY DSE TR MILKY WHT Δ

Δ & LS A A