1075551

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

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 # 6627
Name: Prospect Oil & Gas Corp
Address 1: PO BOX 837
Address 2:
City: RUSSELL State: KS Zip: 67665 + 0837
Contact Person: BRAD HUTCHISON
Phone: (785) 483-6266
CONTRACTOR: License # 33905
Name: Royal Drilling Inc
Wellsite Geologist: BRAD HUTCHISON
Purchaser: COFFEYVILLE

Designate Type of Completion:

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

- [x] Oil
- [ ] WSW
- [ ] 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 #:

08/12/2011	08/19/2011	10/05/2011
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-065-23765-00-00
Spot Description:
NW - SW - NE - NE Sec. 11 Twp. 10 S. R. 21 [ ] East [x] West
850 Feet from [x] North / [ ] South Line of Section
1000 Feet from [x] East / [ ] West Line of Section

Footages Calculated from Nearest Outside Section Corner:
[x] NE [ ] NW [ ] SE [ ] SW

County: Graham
Lease Name: DeYoung C Well #: 1
Field Name: COOPER
Producing Formation: ARBUCKLE
Elevation: Ground: 2276 Kelly Bushing: 2276
Total Depth: 4100 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 221 Feet
Multiple Stage Cementing Collar Used? [ ] Yes [x] No
If yes, show depth set: Feet
If Alternate II completion, cement circulated from: 1791
feet depth to: 0 w/ 300 sx cmt.

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

Chloride content: 38000 ppm Fluid volume: 850 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:**
- [x] **Wireline Log Received**
- [x] **Geologist Report Received**
- [ ] **UIC Distribution**

ALT [ ] I [x] II [ ] III **Approved by:** Deanna Garrisor **Date:** 03/21/2012

Side Two

1075551

Operator Name: Prospect Oil & Gas Corp Lease Name: DeYoung C Well #: 1

Sec. 11 Twp. 10 S. R. 21 ☐ East ☑ West County: Graham

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:

CNL/CDL MEL/DIL

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

Name	Top	Datum
ANHYDRITE	1740	+526
TOPEKA	3276	-1005
HEEBNER	3481	-1205
TORONTO	3504	-1228
LANSING	3520	-1244
ARBUCKLE	3825	-1549

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	20	221	COMMON	150	2% GEL 3% CC
PRODUCTION	7.875	5.5	14	3979	COMMON	150	10% SALT
PRODUCTION	7.875	5.5	14	3979	COMMON	300	75# FLOWSEAL

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	-			
	-			

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
4	3830-34	3000 GAL 28% ACID 5760 BBL POLYMER	
4	3838-44	3000 GAL 28% ACID 5760 BBL POLYMER	

TUBING RECORD: Size: 2 7/8 Set At: 3840 Packer At:

Liner Run: ☐ Yes ☑ No

Date of First, Resumed Production, SWD or ENHR. 10/05/2011

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

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	60		20		26

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:
3830-34
3838-44

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

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

785-483-2025 Home Office P.O. Box 32 Russell, KS 67665 No. 5136

785-324-1041

Date	Sec.	Twp.	Range	County	State	On Location	Finish
8-12-11	11	10	21	Graham	Ks		6:15PM

Lease Deyoung Well No. C1 Location Palco, Ks - S to Y Rd, 3W, 1½S w/s - thru tank batteries

Contractor Royal Rig #1 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.

Type Job Surface

Hole Size 12¼"	T.D. 221'	Charge To	Prospect oil & gas
Csg. 8⅝"	Depth 221'	Street	
Tbg. Size	Depth	City	State
Tool	Depth	The above was done to satisfaction and supervision of owner agent or contractor.	
Cement Left in Csg. 15'	Shoe Joint 15'	Cement Amount Ordered	150 sx Common 3%CC 2% Gel
Meas Line	Displace 13 BLS		

EQUIPMENT

Pumptrk 1	No.	Cementer	Cisco
		Helper	
Bulktrk 13	No.	Driver	Cory
		Driver	
~~Bulktrk~~ pu.	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	
Pumptrk Charge	Surface
Mileage	45
Tax	
Discount	
Total Charge	

X Signature Doug Buday

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

785-483-2025 Home Office P.O. Box 32 Russell, KS 67665 No. 5142

785-324-1041

Date	Sec.	Twp.	Range	County	State	On Location	Finish
8-19-11	11	10	21	Graham	Ks		7:30 AM

Lease Deyoung C Well No. 1 Location Palco KS - 5 to Y Rd, 3W, 1½S

Contractor Royal Rig #1 Owner WB

Type Job Production Bottom Stage

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 7 7/8"	T.D. 4100'	Charge To	Prospect oil + gas
Csg. 5½"	Depth 3979'		
Tbg. Size	Depth	Street	
Tool DV Tool	Depth 1791'	City	State
Cement Left in Csg. 24.03'	Shoe Joint 24.03'	The above was done to satisfaction and supervision of owner agent or contractor.	
Meas Line	Displace 96½ Bbls	Cement Amount Ordered	150 Common 10% Salt 500 gal Mud Clear 48

EQUIPMENT

Pumptrk 9	No.	Cementer / Helper	Paul
Bulktrk 14	No.	Driver / Driver	Mike Cisco
~~Bulktrk~~ pu 1	No.	Driver / Driver	Rick

JOB SERVICES & REMARKS

Remarks:

Rat Hole } Plugged on top stage

Mouse Hole

Centralizers 51, 74 turbo's 1, 3, 7, 9, 11, 17

Baskets 2, 52, 75.

D/V or Port Collar 52, 1791'

pipe on bottom, establish Circ. for 10 mins, Drop ball + set packer shoe, mix cement, shut down wash up, + Displace with 96½ Bbls of water + mud Water 51½ Mud 45

Lift pressure 600 #

Land plug to 1000 #

Released + held, Drop Dart + open tool, Break Circulation open tool w/ 800 #

X Signature

Common	150
Poz. Mix	
Gel.	
Calcium	
Hulls	
Salt	13
Flowseal	
Kol-Seal	
Mud CLR 48	500 gal
CFL-117 or CD110 CAF 38	
Sand	
Handling	163
Mileage	

FLOAT EQUIPMENT

Guide Shoe	
Centralizer	2 Cent's / 6 - turbo's
Baskets	3
AFU Inserts	
Float Shoe	
Latch Down	
	1 - DV Tool Assy w/LD
	1 - Packer ~~Shoe~~ Shoe
Pumptrk Charge	Prod Long String
Mileage	45
Tax	
Discount	
Total Charge	

Bottom Stage

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

785-483-2025 Home Office P.O. Box 32 Russell, KS 67665 No. 5143

785-324-1041

Date	Sec.	Twp.	Range	County	State	On Location	Finish
8-19-11	11	10	21	Graham	Ks		9:30 AM

Lease Deyoung C Well No. 1 Location ~~[illegible]~~ Palco, Ks - S to 4 Rd, 3W, 1S W/S

Contractor Royal Rig #1

Type Job Production Top Stage

Hole Size 7 7/8"

T.D. 4160'

Csg. 5½" 14# New Depth 3979'

Tbg. Size Depth

Tool DV Tool Depth 1791'

Cement Left in Csg. — Shoe Joint —

Meas Line Displace 43 3/4 BLS

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 Prospect oil + gas

Street

City State

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

Cement Amount Ordered 300 QMDC # 1/4 Flo-seal

EQUIPMENT

Pumptrk 9	No.	Cementer	Paul
		Helper	
Bulktrk 13	No.	Driver	Cisco
		Driver	Mike
~~Bulktrk~~ P.U.	No.	Driver	Rick
		Driver	

JOB SERVICES & REMARKS

Remarks: Cement did Circulate.

Rat Hole 30 SX

Mouse Hole 15 SX

Centralizers

Baskets

D/V or Port Collar 1791' Jt #52

plug Rat hole w/ 30 SX
plug mousehole w/ 15 SX
Hook to 5½" Casing + mix Cement
255 SX QMDC, shut down Released
plug + washed pump + lines, Displaced
with 43 3/4 BLS of water,
Released + held
Lift pressure 500 #
Land plug to 1200 #

Common	300 QMDC
Poz. Mix	
Gel.	
Calcium	
Hulls	
Salt	
Flowseal	75 #
Kol-Seal	
Mud CLR 48	
CFL-117 or CD110 CAF 38	
Sand	
Handling	300
Mileage	

FLOAT EQUIPMENT

Guide Shoe	
Centralizer	
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	

Pumptrk Charge	prod Long String
Mileage	45
Tax	
Discount	
Total Charge	

TOP Stage

X Signature Doug Buday

BRAD HUTCHINSON

116 EVES DRIVE
RUSSELL, KANSAS 67665

785-483-0492

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY Prospect Oil & Gas, Inc.
LEASE DeYoung "C" #1
FIELD Cooper
LOCATION 850' FNL & 1000' FEL
SEC 11 TWSP 10S RGE 21W
COUNTY Graham STATE Kansas

ELEVATIONS
KB 2276'
DF
GL 2271'
Measurements Are All From Kelly Bushing

CONTRACTOR Royal Drilling, Inc.
SPUD 8-12-11 COMP 8-19-11
RTD ~~3917~~ 4100 (-1824) TD 3920 (-1644)
MUD UP 3200 TYPE MUD Chemical

CASING
SURFACE 8 5/8" @ 221'
PRODUCTION 5 1/2" @ 3979'

ELECTRICAL SURVEYS
CNL/CDL
MEL DIL

SAMPLES SAVED FROM 3300' TO RTD
DRILLING TIME KEPT FROM 3200' TO RTD
SAMPLES EXAMINED FROM 3300' TO RTD
GEOLOGICAL SUPERVISION FROM 3300' TO RTD
GEOLOGIST ON WELL Brad J. Hutchison

FORMATION TOPS	LOG	SAMPLES
Anhydrite	1740 (+526)	1746 (+530)
Topeka	3286 (-1000)	3281 (-1005)
Heebner	3481 (-1205)	3486 (-1210)
Toronto	3504 (-1228)	3507 (-1231)
Lansing	3520 (-1244)	3524 (-1248)
Arbuckle	3825 (-1549)	3830 (-1554)

			0
		11	

7505

REMARKS It was recommended that 5½" production casing be set and cemented at 3979', and the following zones to be tested thru acidization and polymer treatment.

1. ARBUCKLE - Perforate & Stimulate 3821b - 3840

Respectfully Submitted,

Brad J. Hutchison

Brad J. Hutchison

DAILY PROGRESS: 7:00 A.M.

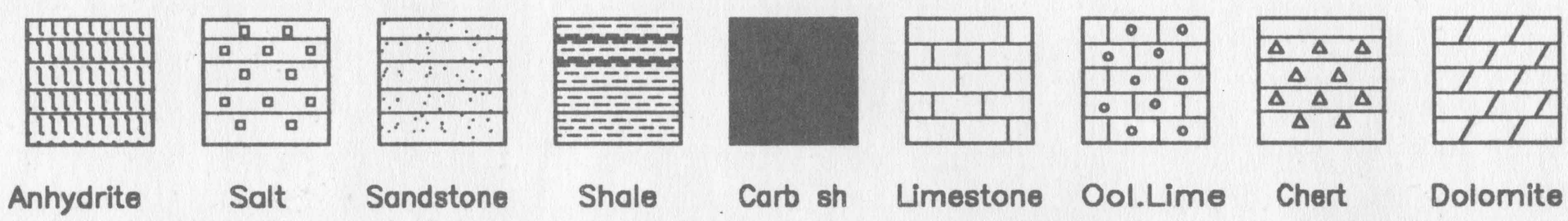
8-12-11	MIRU	
8-13-11	6916'	3 3/4 HRS.
8-14-11	1825'	23 1/2
8-15-11	2830'	44
8-16-11	3450'	64 1/2
8-17-11	3835'	80 3/4
8-18-11	3920'	84 1/4

SURVEY:	DEPTH:	DEVIATION:
	221'	3/4°
	3835'	1°

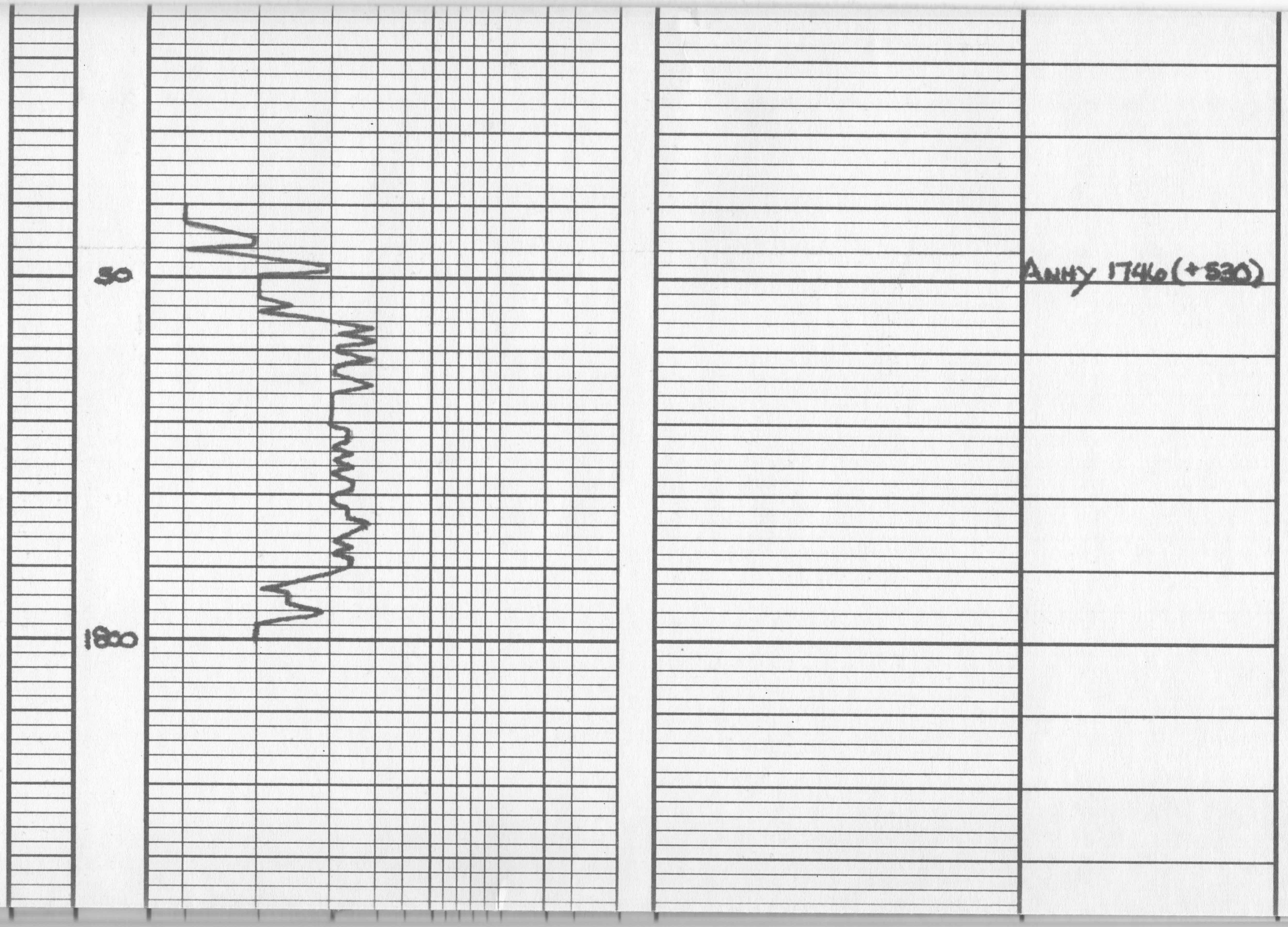
STRAP: .25' Long

LOG 7702

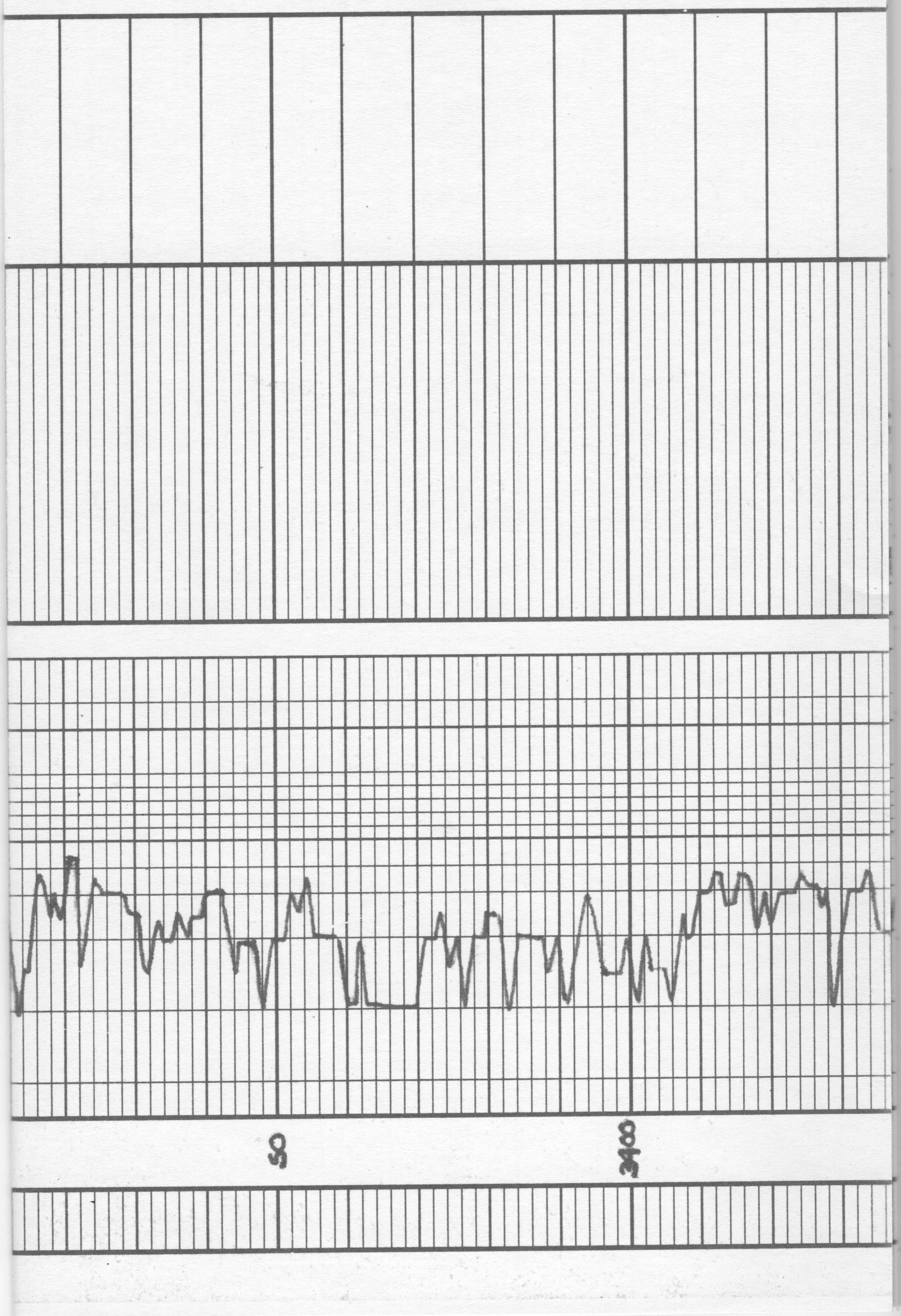
LEGEND

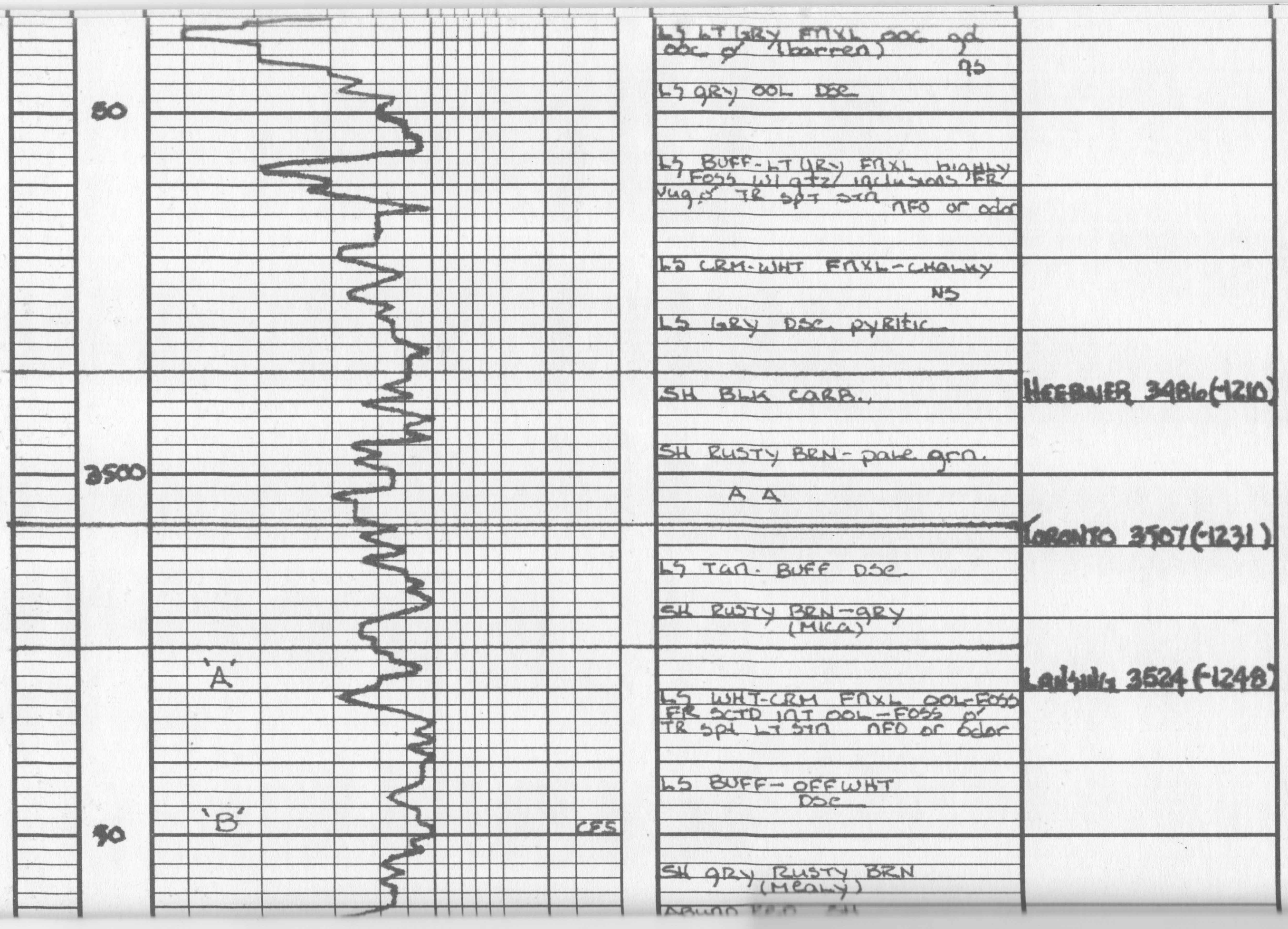


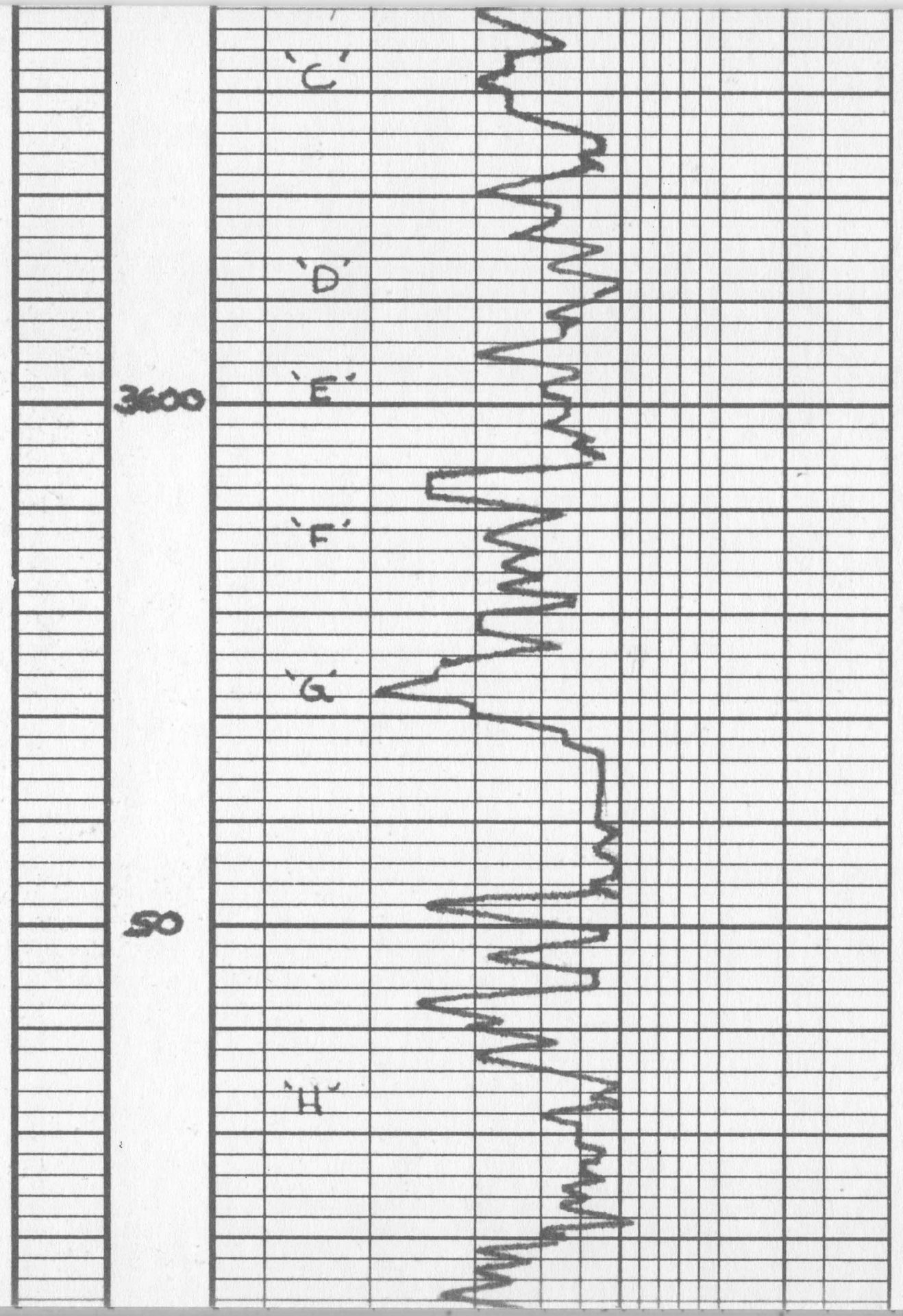
LITHOLOGY	DEPTH	DRILLING TIME (Logarithmic Scale) .5 1 2 3 4 5 10 15 20 30	SAMPLE DESCRIPTIONS	REMARKS
	1700			


50
1800
Anny 1746 (+530)

3200
50
3300
TOPEKA 3281(-1005)


50
3400


50
3500
50
'A'
'B'
CFS
LS LT GRY FNXL OOC gd
OOC p' (barren)
NS
LS GRY OOL DSC
LS BUFF-LT GRY FNXL HIGHLY
FOSS W/ qtz INCLUSIONS FR
vug p' TR SPT STN NFO or odor
LS CRM-WHT FNXL-CHALKY
NS
LS GRY DSC PYRITIC
SH BLK CARB.
SH RUSTY BRN-pale grn.
A A
LS TAN-BUFF DSC
SH RUSTY BRN-GRY
(MICA)
LS WHT-CRM FNXL OOL-FOSS
FR SCTD INT OOL-FOSS p'
TR SPT LT STN NFO or odor
LS BUFF-OFFWHT
DSC
SH GRY RUSTY BRN
(MEALY)
HEEBNER 3486(-1210)
TORONTO 3507(-1231)
LANSING 3524(-1248)



LS LT GRY - BUFF FNXL HIGHLY DOLOMITIC FOSS TR SPT PP-VUG Ø TR spt - scted STN-Sat TR FO FT ODOR

SH RUSTY BRN - PALE GRN W/ ABUND CRM-WHT CHALKY LS

LS WHT FNXL HIGHLY OOL FOSS FR scted int OOL-VUG Ø FR SCTD LT BRN STN SFO FT odor

SH BLK CARB

LS WHT-CRM HIGHLY CHALKY

LS WHT-CRM FNXL SL OOC v. poor OOC Ø (barren)

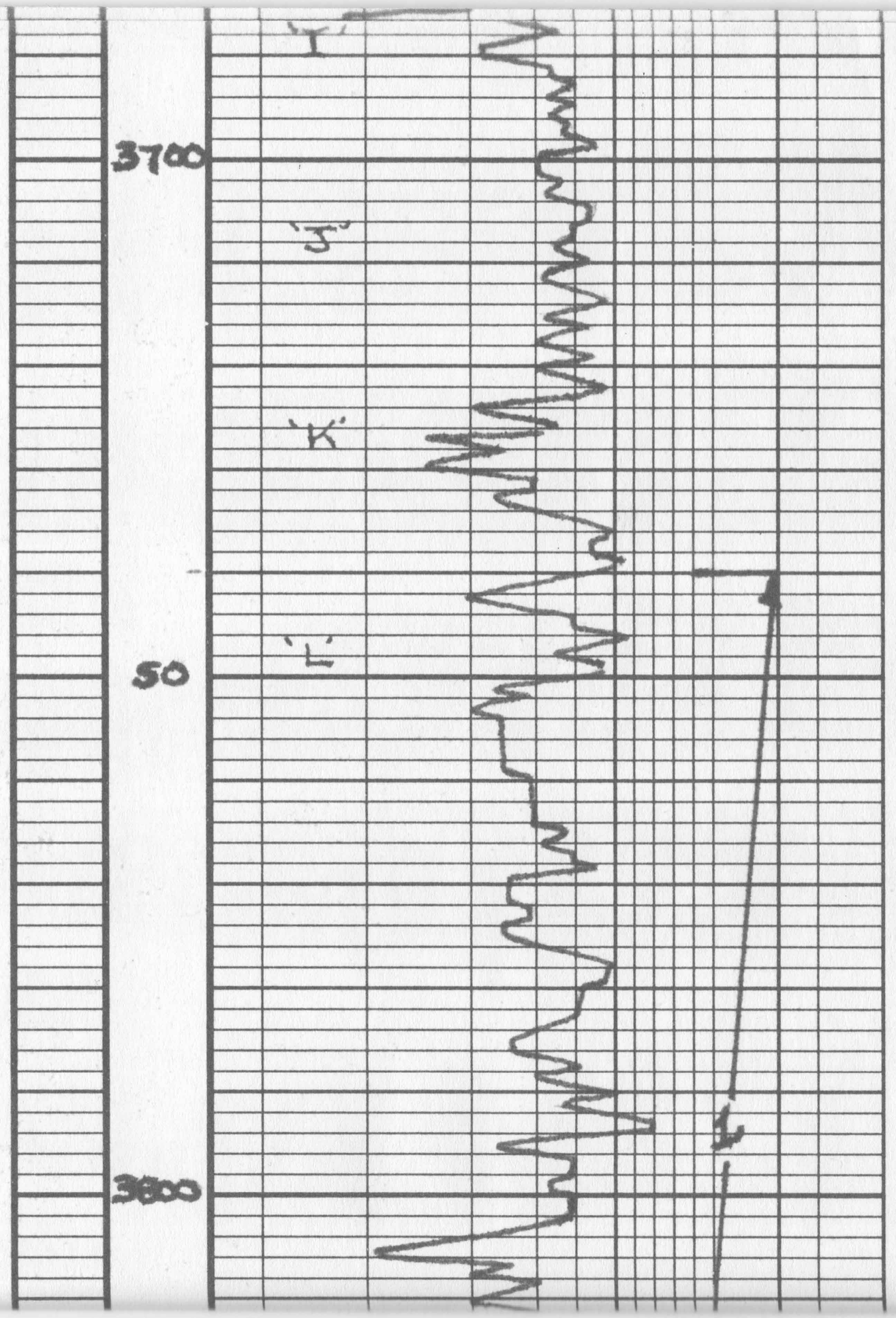
LS BUFF-LT GRY DSE

SH BLK CARB

LS LT GRY-BUFF SL FOSS TR spt edge syn.

SH GRY

LS BUFF-LT GRY DSE



TR spt pore vug o' spt
LT stn NFO SL odor

LS BUFF-LT GRY DSE
TR spt LT stn
no vis o' NFO or odor

SH GRY W WHT CHALKY
LS.

LS CRM-WHT FNXL-dse
highly ool-FOSS spt-sctd
INT OOL-FOSS o' sctd BRN
stn SFO WK odor
LS LT GRY dse

LS WHT-CRM FNXL OOL-
FOSS.

SH RUSTY BRN-pale grn.

ABUND RED-mar MICA
SH

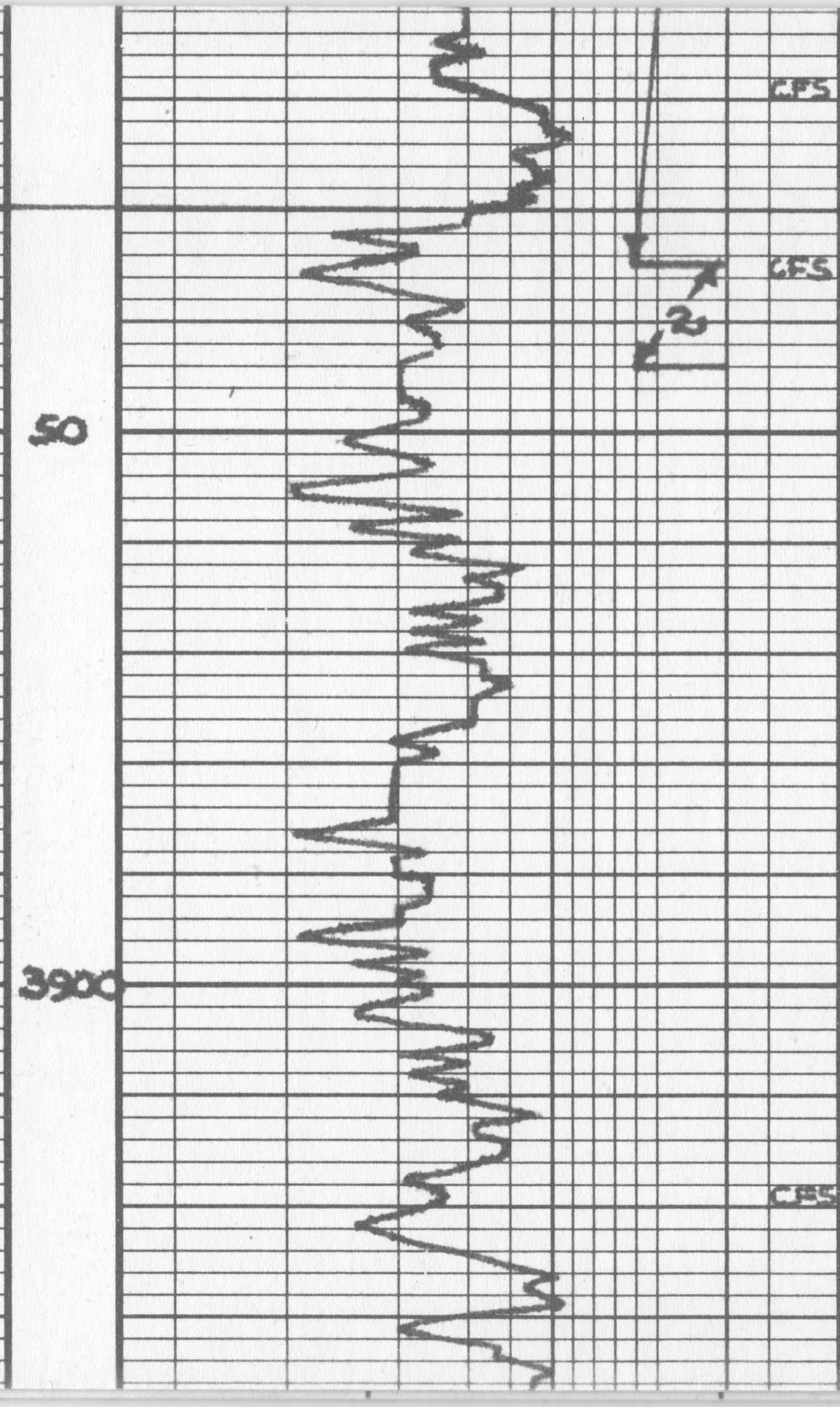
AA W/ ABUND CLR-FROST
qtz FRAGS TR vug o'
NO VIS STN

A VC IN matrix VC
SH

A U SH AA

DST-1, 3740-3835
15 · 30 · 15 · 30
IF BOB-1"
FF BOB-1"
REC. 765' V50CWM
10%O 25%W 65%M
1080' V50CMW
10%O 60%W 30%M
SIP (1063-1060)
FP (187-519)(553-644)
HSH (1992-1854)
BHT. 114°

STRAP .25' LONG



SH BLU-GRN WAXY
SIMPSON SH

DOLO LT GRY FN-MD XL
SANDY gd INT XL & gd
LT BRN-DK STN-Sat
gd SFO gd ODOR

SH

DOLO BUFF-TR PK MD XL-DSE
TR FR VUG & FR scat brn stn
sat FR SFO WK odor

DOLO BUFF-LT GRY DSE
BLOCKY TR STN

DOLO LT GRY FN-MD XL
TR WHT CHALK
NS

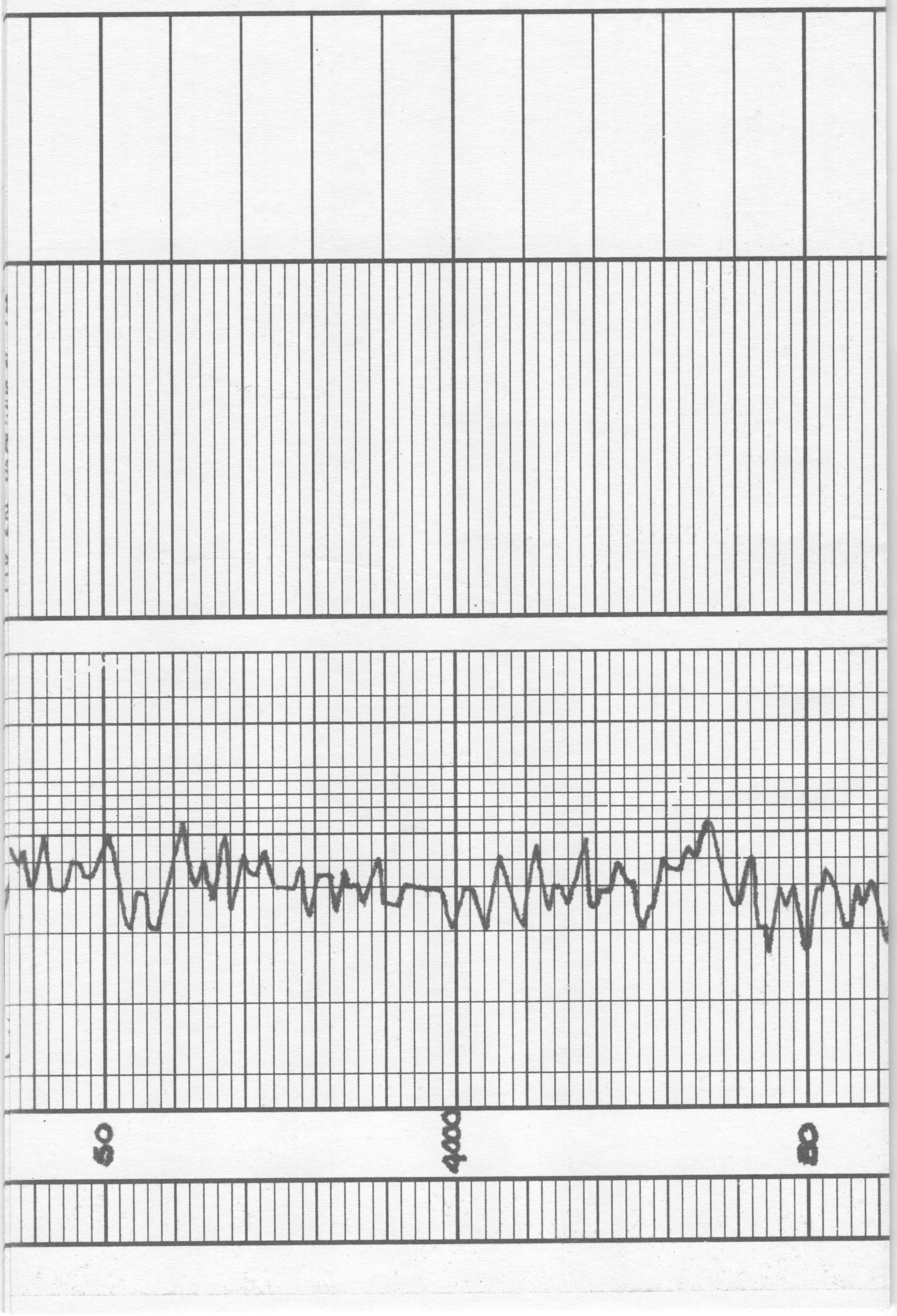
DOLO AA
NS

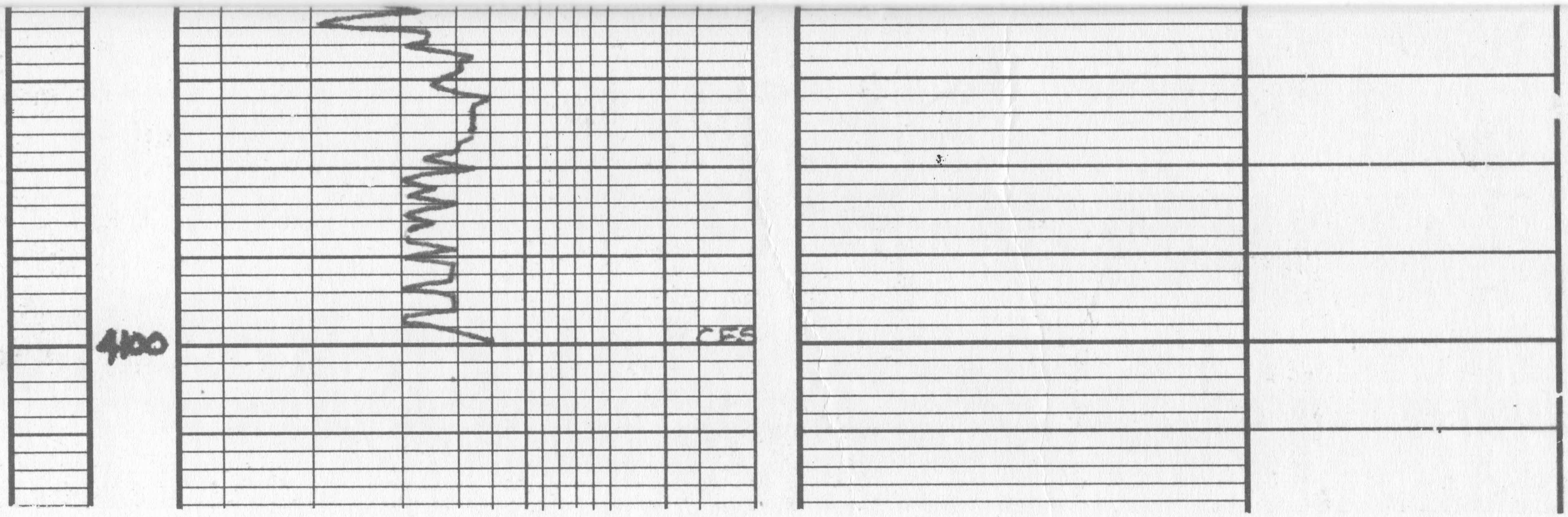
DOLO AA W/ LTR GRY DSE
DOLO.,

/
CHART PROFILE

ARBUCKLE 3880(-1554)

DST 2 3834-3844
15.15.5.15
IF BOB-50 SEC.
FF BOB-50 SEC.
REC 195' HOCMW
30% O 55% W 15% M
360' VSOCMW
1% O 94% W 5% M
1060' OCMW
15% O 80% W 5% M
SIP (1064-1061)
FP 187-519)(553-645)
HSH (1992-1855)
BHT 114°


50
4000
80


400
CES

DRILL STEM TEST REPORT

Prospect Oil & Gas, Inc.

PO Box 837
Russell, KS 67665

ATTN: Brad Hutchison

DeYoung C #1

11-10s-21w-Graham,KS

Job Ticket: 43561 **DST#: 2**

Test Start: 2011.08.18 @ 02:23:04

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 04:20:49
Time Test Ended: 08:30:34

Test Type: Conventional Straddle (Reset)
Tester: Jason McLemore
Unit No: 54

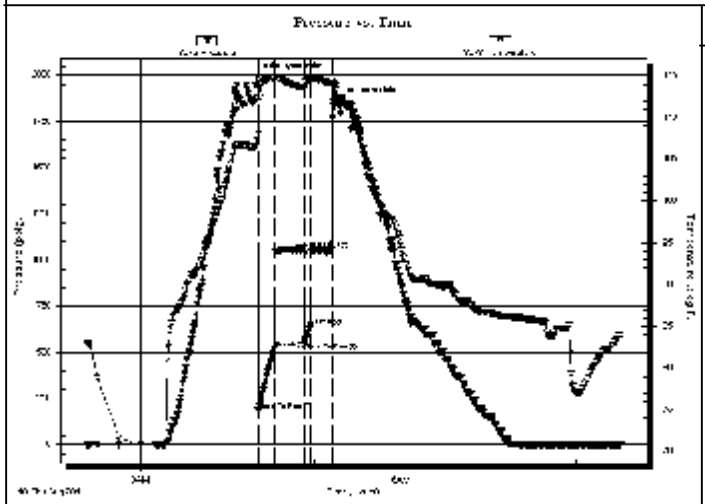
Interval: 3834.00 ft (KB) To 3844.00 ft (KB) (TVD)
Total Depth: 3917.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2276.00 ft (KB)
2269.00 ft (CF)
KB to GR/CF: 7.00 ft

Serial #: 8673 **Inside**

Press@RunDepth:	644.58 psig @	3835.00 ft (KB)		Capacity:	8000.00 psig
Start Date:	2011.08.18	End Date:	2011.08.18	Last Calib.:	2011.08.18
Start Time:	02:23:06	End Time:	08:30:34	Time On Btm:	2011.08.18 @ 04:20:34
				Time Off Btm:	2011.08.18 @ 05:13:04

TEST COMMENT: IFP-Strong, BOB in 48 Seconds
ISI-Dead
FFP_Strong,BOB in 48 Seconds
FSI-Dead



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1992.05	107.72	Initial Hydro-static
1	186.66	108.31	Open To Flow (1)
12	519.06	114.65	Shut-In(1)
32	1063.51	113.67	End Shut-In(1)
33	552.90	113.41	Open To Flow (2)
37	644.58	114.58	Shut-In(2)
52	1060.86	114.04	End Shut-In(2)
53	1854.78	114.14	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
360.00	VSOCMW-1%O-94%W-5%M	5.05
660.00	OCMW-15%O-80%W-5%M	9.26
195.00	HOCMW-30%O-55%W-15%M	2.74

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

Prospect Oil & Gas, Inc.

PO Box 837
Russell, KS 67665

ATTN: Brad Hutchison

DeYoung C #1

11-10s-21w-Graham,KS

Job Ticket: 43561 **DST#: 2**

Test Start: 2011.08.18 @ 02:23:04

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 04:20:49
Time Test Ended: 08:30:34

Test Type: Conventional Straddle (Reset)
Tester: Jason McLemore
Unit No: 54

Interval: 3834.00 ft (KB) To 3844.00 ft (KB) (TVD)
Total Depth: 3917.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

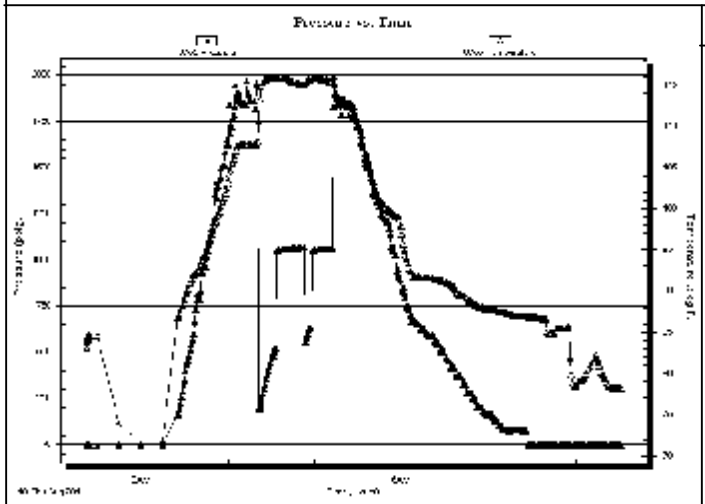
Reference Elevations: 2276.00 ft (KB)
2269.00 ft (CF)
KB to GR/CF: 7.00 ft

Serial #: 6755 **Fluid**

Press@RunDepth: psig @ 3809.00 ft (KB)
Start Date: 2011.08.18 End Date: 2011.08.18
Start Time: 02:22:36 End Time: 08:31:04

Capacity: 8000.00 psig
Last Calib.: 2011.08.18
Time On Btm:
Time Off Btm:

TEST COMMENT: IFP-Strong, BOB in 48 Seconds
ISI-Dead
FFP_Strong,BOB in 48 Seconds
FSI-Dead



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
360.00	VSOCMW-1%O-94%W-5%M	5.05
660.00	OCMW-15%O-80%W-5%M	9.26
195.00	HOCMW-30%O-55%W-15%M	2.74

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

Prospect Oil & Gas, Inc.

PO Box 837
Russell, KS 67665

ATTN: Brad Hutchison

DeYoung C #1

11-10s-21w-Graham,KS

Job Ticket: 43561 **DST#: 2**

Test Start: 2011.08.18 @ 02:23:04

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 04:20:49
Time Test Ended: 08:30:34

Test Type: Conventional Straddle (Reset)
Tester: Jason McLemore
Unit No: 54

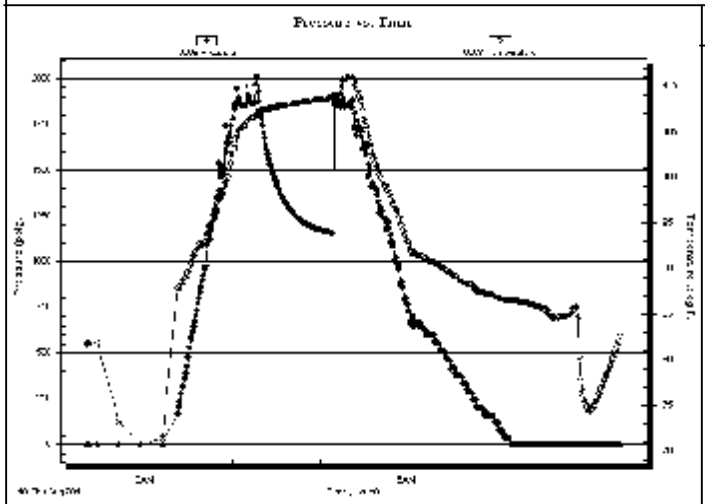
Interval: 3834.00 ft (KB) To 3844.00 ft (KB) (TVD)
Total Depth: 3917.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2276.00 ft (KB)
2269.00 ft (CF)
KB to GR/CF: 7.00 ft

Serial #: 6668 **Outside**

Press@RunDepth:	psig @	3835.00 ft (KB)		Capacity:	8000.00 psig
Start Date:	2011.08.18	End Date:	2011.08.18	Last Calib.:	2011.08.18
Start Time:	02:19:41	End Time:	08:26:39	Time On Btm:	
				Time Off Btm:	

TEST COMMENT: IFP-Strong, BOB in 48 Seconds
ISI-Dead
FFP_Strong,BOB in 48 Seconds
FSI-Dead



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
360.00	VSOCMW-1%O-94%W-5%M	5.05
660.00	OCMW-15%O-80%W-5%M	9.26
195.00	HOCMW-30%O-55%W-15%M	2.74

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Prospect Oil & Gas, Inc.

PO Box 837
Russell, KS 67665

ATTN: Brad Hutchison

DeYoung C #1

11-10s-21w-Graham,KS

Job Ticket: 43561 **DST#: 2**

Test Start: 2011.08.18 @ 02:23:04

Tool Information

Drill Pipe:	Length:	3829.00 ft	Diameter:	3.80 inches	Volume:	53.71 bbl	Tool Weight:		2000.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	2.70 inches	Volume:	0.00 bbl	Weight set on Packer:		25000.00 lb
Drill Collar:	Length:	0.00 ft	Diameter:	2.25 inches	Volume:	0.00 bbl	Weight to Pull Loose:		60000.00 lb
					Total Volume:	53.71 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		20.00 ft					String Weight:	Initial	48000.00 lb
Depth to Top Packer:		3834.00 ft						Final	56000.00 lb
Depth to Bottom Packer:		3844.00 ft							
Interval between Packers:		10.00 ft							
Tool Length:		107.00 ft							
Number of Packers:		3	Diameter:	6.75 inches					

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Recorder	0.00	6755	Fluid	3809.00		
Change Over Sub	5.00			3814.00		
Shut In Tool	5.00			3819.00		
Hydraulic tool	5.00			3824.00		
Packer	5.00			3829.00	25.00	Bottom Of Top Packer
Packer	5.00			3834.00		
Stubb	1.00			3835.00		
Recorder	0.00	8673	Inside	3835.00		
Recorder	0.00	6668	Outside	3835.00		
Perforations	5.00			3840.00		
Blank Off Sub	1.00			3841.00		
Blank Spacing	3.00			3844.00	10.00	Tool Interval
Packer	1.00			3845.00		
Perforations	3.00			3848.00		
Change Over Sub	1.00			3849.00		
Recorder	0.00	8736	Below	3849.00		
Blank Spacing	63.00			3912.00		
Change Over Sub	1.00			3913.00		
Bullnose	3.00			3916.00	72.00	Bottom Packers & Anchor
Total Tool Length:	**107.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

Prospect Oil & Gas, Inc.

PO Box 837
Russell, KS 67665

ATTN: Brad Hutchison

DeYoung C #1

11-10s-21w-Graham,KS

Job Ticket: 43561 **DST#: 2**

Test Start: 2011.08.18 @ 02:23:04

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	19000 ppm
Viscosity:	60.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	6.38 cm³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	2900.00 ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

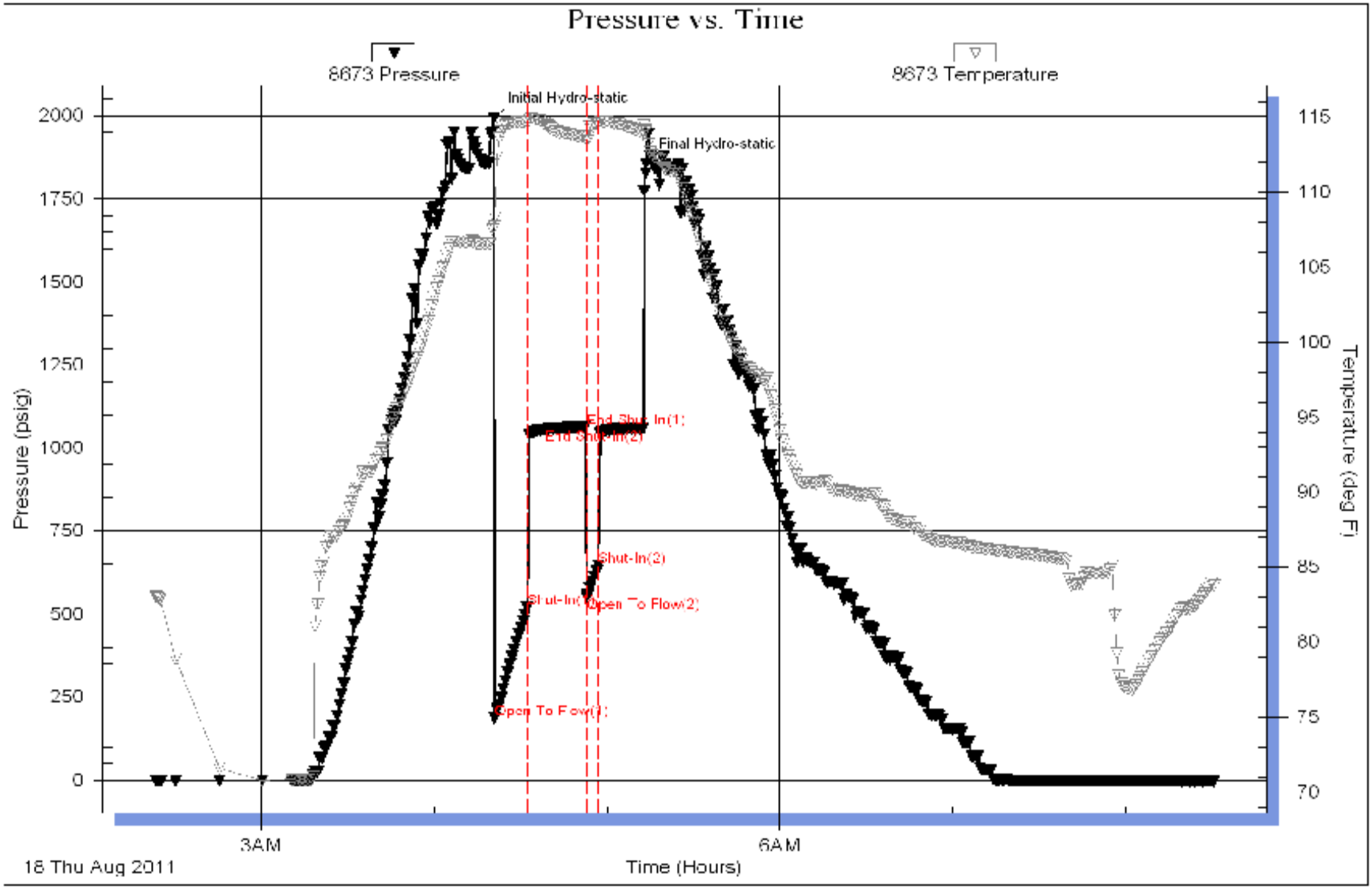
Length ft	Description	Volume bbl
360.00	VSOCMW-1%O-94%W-5%M	5.050
660.00	OCMW-15%O-80%W-5%M	9.258
195.00	HOCMW-30%O-55%W-15%M	2.735

Total Length: 1215.00 ft Total Volume: 17.043 bbl

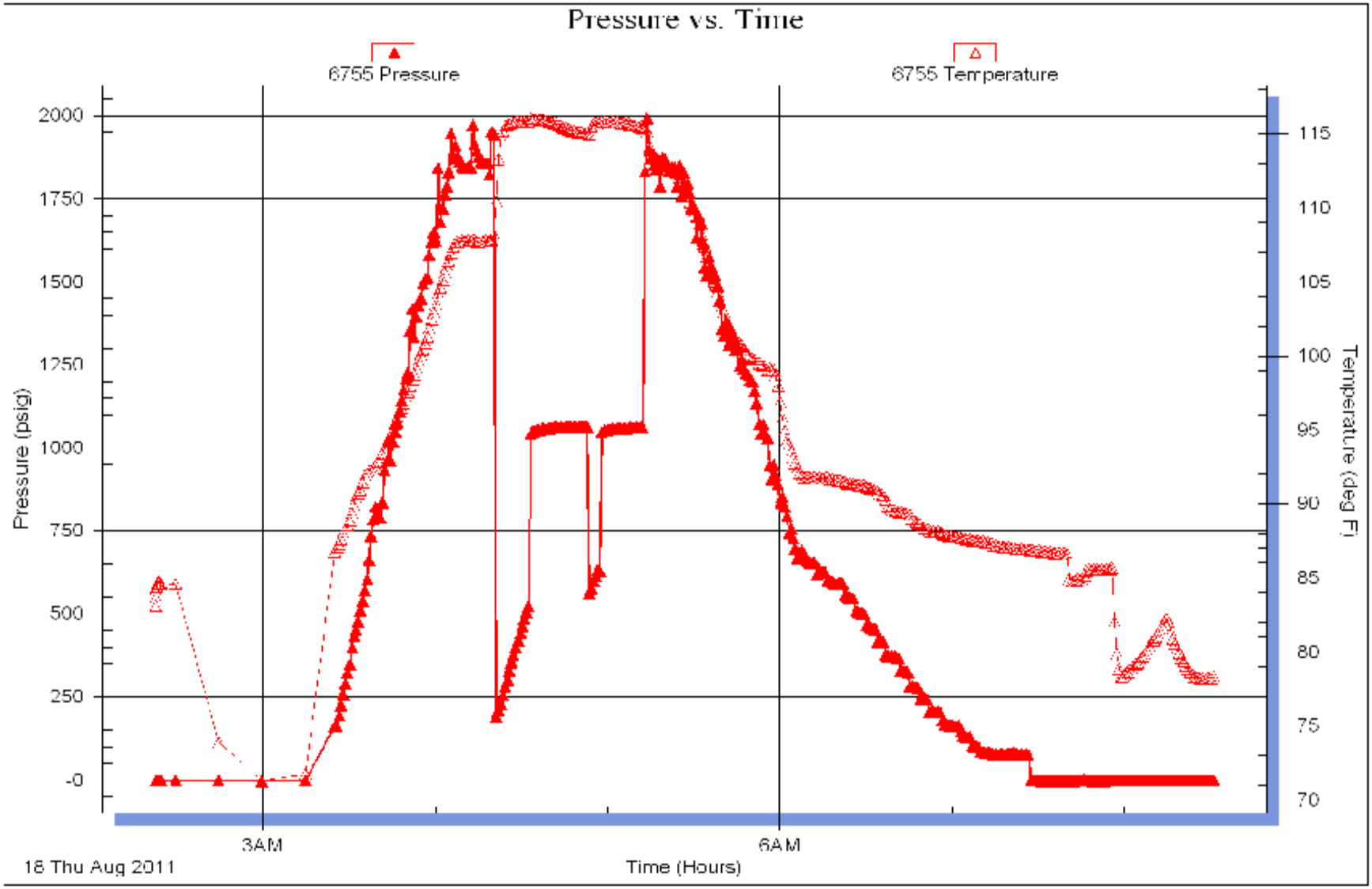
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:


Pressure vs. Time
8673 Pressure
8673 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Shut-In(2)
Shut-In(1)
Open To Flow(2)
Open To Flow(1)
Pressure (psig)
2000
1750
1500
1250
1000
750
500
250
0
Temperature (deg F)
115
110
105
100
95
90
85
80
75
70
3AM
6AM
18 Thu Aug 2011
Time (Hours)

Serial #: 6755 **Fluid** Prospect Oil & Gas, Inc. 11-10s-21w - Graham,KS DST Test Number: 2



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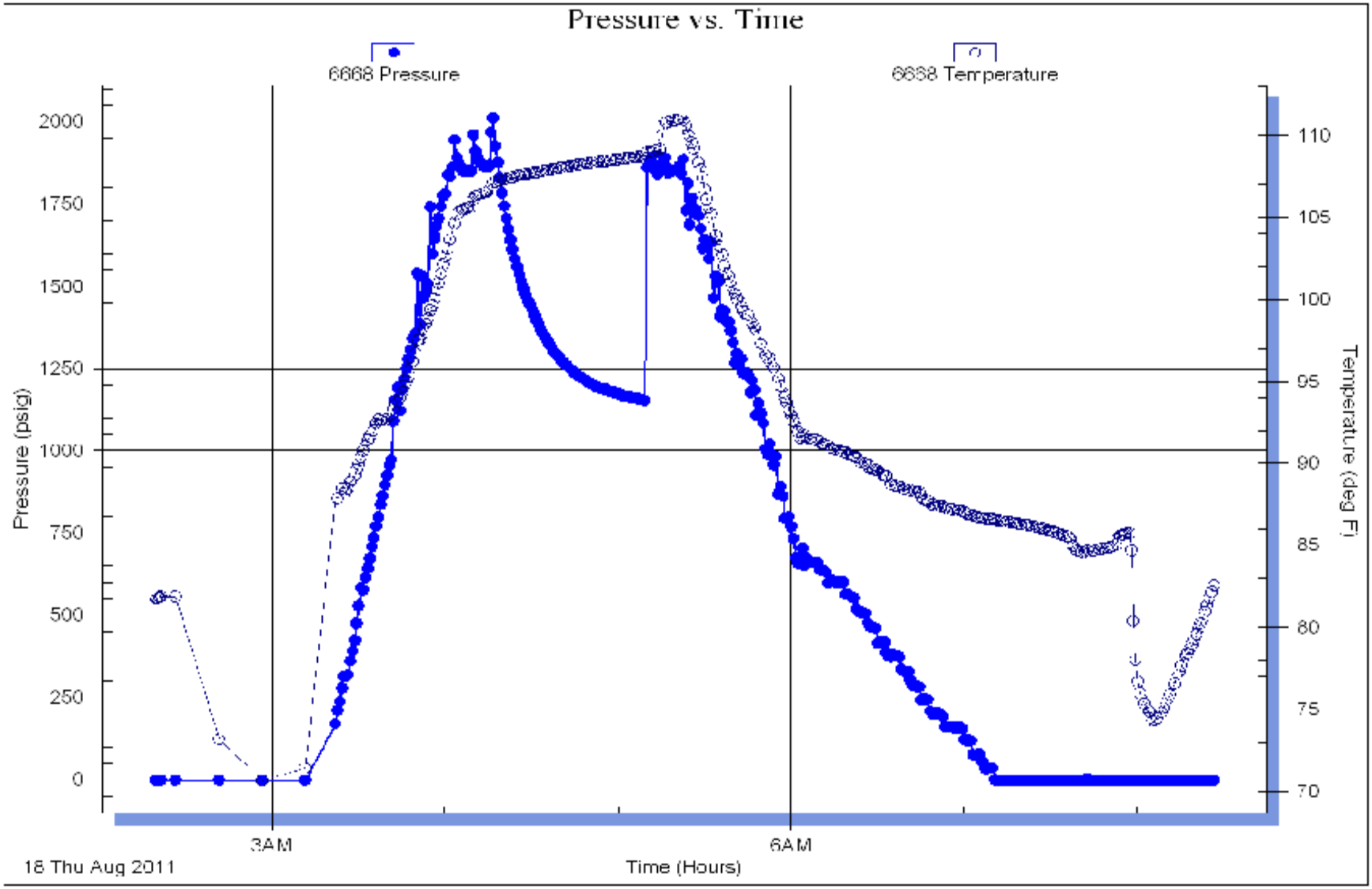
Serial #: 6668 **Outside** Prospect Oil & Gas, Inc. 11-10s-21w - Graham,KS DST Test Number: 2



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