KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1076909

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 # 33350
Name: Southwind Drilling, Inc.
Wellsite Geologist: RANDY KILIAN
Purchaser: NCRA

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 #:

11/10/2011	11/16/2011	11/30/2011
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-167-23752-00-00
Spot Description:
SW - NE - SW - SW Sec. 29 Twp. 15 S. R. 12 [ ] East [x] West
670 Feet from [ ] North / [x] South Line of Section
780 Feet from [ ] East / [x] West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- [ ] NE
- [ ] NW
- [ ] SE
- [x] SW

County: Russell
Lease Name: WEST BEAVER CREEK Well #: 1
Field Name: HALL-GURNEY
Producing Formation: ARBUCKLE
Elevation: Ground: 1877 Kelly Bushing: 1885
Total Depth: 3420 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 562 Feet
Multiple Stage Cementing Collar Used? [ ] Yes [x] No
If yes, show depth set: Feet
If Alternate II completion, cement circulated from:
feet depth to: w/ sx cmt.

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

Chloride content: 48000 ppm Fluid volume: 1000 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 [x] **I** [ ] **II** [ ] **III** **Approved by:** Deanna Garrisor **Date:** 03/21/2012

Side Two

1076909

Operator Name: Prospect Oil & Gas Corp Lease Name: WEST BEAVER CREEK Well #: 1

Sec. 29 Twp. 15 S. R. 12 ☐ East ☑ West County: Russell

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
Attached	Attached	Attached

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	23	562	COMMON	225	3% CC 2% GEL
PRODUCTION	7.875	5.5	17	3415	COMMON	180	10% SALT 5% GIL.

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:
☐ Perforate
☑ Protect Casing
☐ Plug Back TD
☐ Plug Off Zone

Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
0-1477	QMDC	225	56# FLOWSEAL
-			

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

TUBING RECORD: Size: 2 7/8 Set At: 3340' Packer At:

Liner Run: ☐ Yes ☐ No

Date of First, Resumed Production, SWD or ENHR. 01/10/2012

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

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	40		0		39

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:
3333-3337

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

Form	ACO1 - Well Completion
Operator	Prospect Oil & Gas Corp
Well Name	WEST BEAVER CREEK 1
Doc ID	1076909

Tops

Name	Top	Datum
ANHYDRITE	820	+1065
BASE	849	+1036
TOPEKA	2692	-807
HEEBNER	2967	-1082
TORONTO	2984	-1099
BROWN LIME	3054	-1169
LANSING	3061	-1176
BASE KANSAS CITY	3308	-1423
ARBUCKLE	3331	-1446

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025 **Home Office P.O. Box 32 Russell, KS 67665** **No.** 522

Cell 785-324-1041

Date	Sec.	Twp.	Range	County	State	On Location	Finish
11/11/11	29	15	12	Russell	KS		2:15 PM

Lease West Beaver Creek Well No. 1 Location Michaelis Rd & 194th, 1/4E, N into

Contractor Southwind Drilling Rig #6 Owner

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. 570'

Csg. 8 5/8" 23# Depth 568'

Charge To Prospect Oil & Gas

Tbg. Size Depth Street

Tool Depth City State

Cement Left in Csg. 20' Shoe Joint The above was done to satisfaction and supervision of owner agent or contractor.

Meas Line Displace 34 1/2 Bbls. Cement Amount Ordered 225 sx Com 3%cc 2%gel

EQUIPMENT

Pumptrk 9	No.	Cementer	Paul
		Helper	
Bulktrk 14	No.	Driver	Matt
		Driver	
Bulktrk PU	No.	Driver	Cory
		Driver	

JOB SERVICES & REMARKS

Remarks:

Rat Hole

Mouse Hole

Centralizers

Baskets

D/V or Port Collar

Est. Circ.
Mix 225 sx
Displace
Cement Circulated

Thank You!!

X Signature

Common	225
Poz. Mix	
Gel.	4
Calcium	7
Hulls	
Salt	
Flowseal	
Kol-Seal	
Mud CLR 48	
CFL-117 or CD110 CAF 38	
Sand	
Handling	336
Mileage	

FLOAT EQUIPMENT

Guide Shoe	
Centralizer	4 5/8"
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	
	Head + Manifold
	Rubber Plug
Pumptrk Charge	Long Surface
Mileage	16
Tax	
Discount	
Total Charge	

Quality Oilwell Cementing

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025 — **Home Office P.O. Box 32 Russell, KS 67665** — **No.** 530

Cell 785-324-1041

Date	Sec.	Twp.	Range	County	State	On Location	Finish
11/16/11	29	15	12	Russell	KS		11:30 PM

Lease West Beaver Creek — Well No. 1 — Location Michaelis Rd + 194th, ½E, N into

Contractor Southwind Drilling Rig #6

Type Job Production String

Hole Size 7 7/8" — T.D. 3417'

Csg. 5½" 17# — Depth 3415'

Tbg. Size — Depth

Tool Port Collar — Depth 1477' #74

Cement Left in Csg. 24' — Shoe Joint 24'

Meas Line — Displace 78 3/4 Bbls.

EQUIPMENT

Pumptrk 9	No.	Cementer	Dave
		Helper	
Bulktrk 14	No.	Driver	Matt
		Driver	
Bulktrk PU	No.	Driver	Jason
		Driver	

JOB SERVICES & REMARKS

Remarks:

Rat Hole 30 sx

Mouse Hole

Centralizers 2, 5, 8, 12, 15, 19, 73, 98

Baskets 1, 74, 99

D/V or Port Collar Jt. # 74 1477'

Est Circ. 1 hour
Pump 500 gal. Mud Clear - 48
Plug Rat Hole
Mix 150 sx down 5½"
Release
Displace
Land Plug
Float Held

Thank You!!

X Signature

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 Corp.

Street

City — State

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

Cement Amount Ordered 180 sx Com 10% Salt 5% Gilsonite

Common	180
Poz. Mix	
Gel.	
Calcium	
Hulls	
Salt	16
Flowseal	
Kol-Seal	900#
Mud CLR 48	500 gal.
CFL-117 or CD110 CAF 38	
Sand	
Handling	205
Mileage	5½"

FLOAT EQUIPMENT

Guide Shoe	
Centralizer	8 - Turbos
Baskets	3
AFU Inserts	
Float Shoe	1
Latch Down	1
Rotating Head	
Port Collar	
Pumptrk Charge	production String
Mileage	16
Tax	
Discount	
Total Charge	

IN

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Prospect Oil & Gas,Inc.

PO Box 837
Russell, KS 67665

ATTN: Randy Kilian

29-15s-12w Russell,KS

West Beaver Creek #1

Job Ticket: 44844 **DST#: 1**

Test Start: 2011.11.15 @ 16:05:54

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 18:33:54
Time Test Ended: 23:48:24

Test Type: Conventional Straddle (Initial)
Tester: Brett Dickinson
Unit No: 47

Interval: 3305.00 ft (KB) To 3350.00 ft (KB) (TVD)
Total Depth: 3417.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

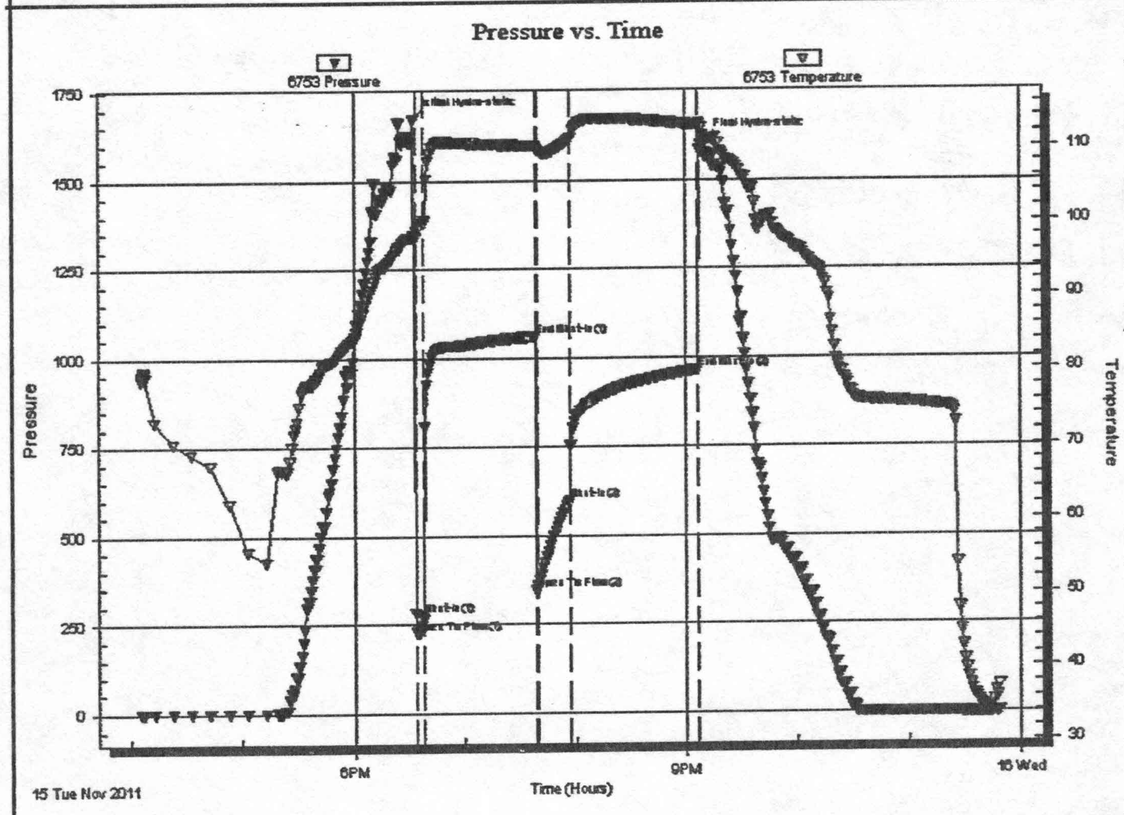
Reference Elevations: 1885.00 ft (KB)
1878.00 ft (CF)
KB to GR/CF: 7.00 ft

Serial #: 6753 **Outside**

Press@RunDepth: 598.43 psig @ 3346.00 ft (KB)
Start Date: 2011.11.15 End Date: 2011.11.15
Start Time: 16:05:59 End Time: 23:48:23

Capacity: 8000.00 psig
Last Calib.: 2011.11.15
Time On Btm: 2011.11.15 @ 18:32:24
Time Off Btm: 2011.11.15 @ 21:09:54

TEST COMMENT: IF-BOB in 1/2 min
ISI-1/2" blow died in 45 min
FF-BOB in 1/2 min
FSI-3" blow died back to 1.5" blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1672.66	98.10	Initial Hydro-static
2	227.90	98.62	Open To Flow (1)
6	277.20	99.78	Shut-In(1)
66	1059.96	110.11	End Shut-In(1)
67	345.88	109.67	Open To Flow (2)
85	598.43	111.02	Shut-In(2)
154	964.56	112.75	End Shut-In(2)
158	1605.49	111.13	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
500.00	GO 20%G 80%O	7.01
220.00	GOCM 30%G20%O 50%M	3.09
985.00	GO 30%G 70%O	13.82

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: Randy Kilian

29-15s-12w Russell,KS

West Beaver Creek #1

Job Ticket: 44844 **DST#: 1**

Test Start: 2011.11.15 @ 16:05:54

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 18:33:54
Time Test Ended: 23:48:24

Test Type: Conventional Straddle (Initial)
Tester: Brett Dickinson
Unit No: 47

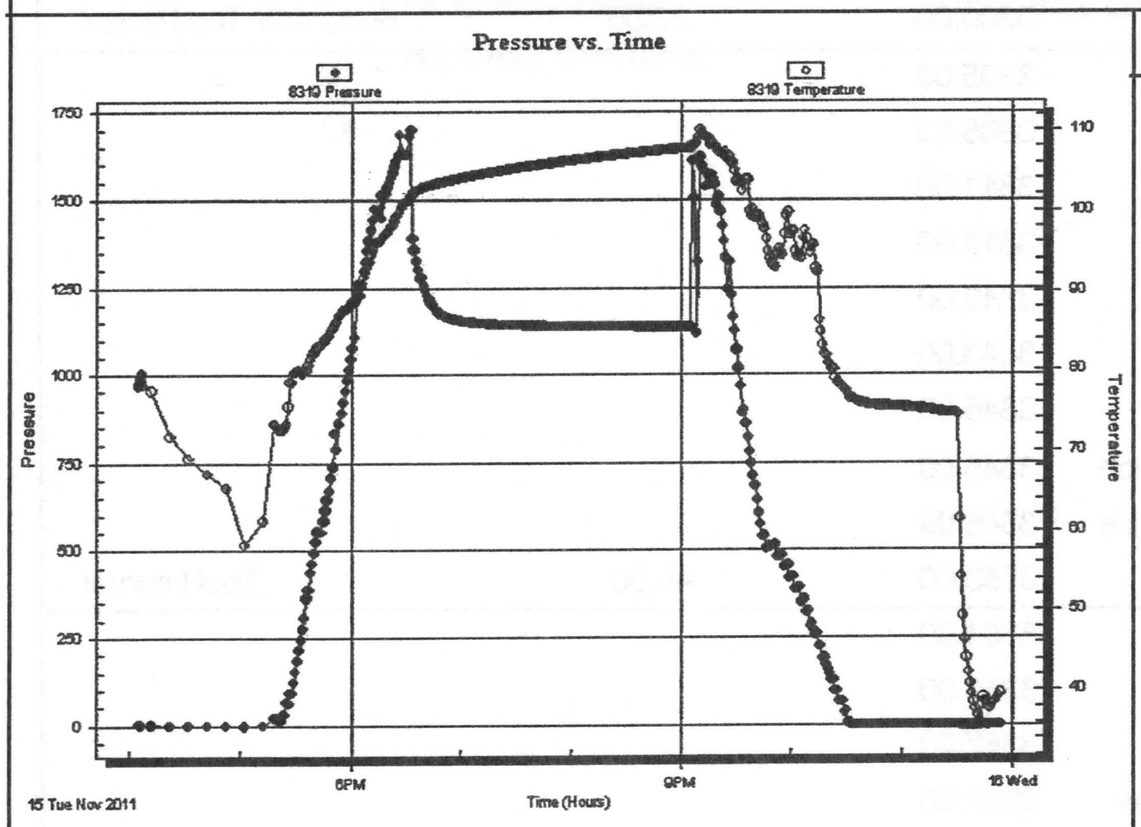
Interval: 3305.00 ft (KB) To 3350.00 ft (KB) (TVD)
Total Depth: 3417.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 1885.00 ft (KB)
1878.00 ft (CF)
KB to GR/CF: 7.00 ft

Serial #: 8319 **Below (Straddle)**
Press@RunDepth: psig @ 3357.00 ft (KB)
Start Date: 2011.11.15 End Date: 2011.11.15
Start Time: 16:05:05 End Time: 23:53:59

Capacity: 8000.00 psig
Last Calib.: 2011.11.16
Time On Btm:
Time Off Btm:

TEST COMMENT: IF-BOB in 1/2 min
ISI-1/2" blow died in 45 min
FF-BOB in 1/2 min
FSI-3" blow died back to 1.5" blow



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
500.00	GO 20%G 80%O	7.01
220.00	GOCM 30%G20%O 50%M	3.09
985.00	GO 30%G 70%O	13.82

Gas Rates

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

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Prospect Oil & Gas,Inc.

PO Box 837
Russell, KS 67665

ATTN: Randy Kilian

29-15s-12w Russell,KS

West Beaver Creek #1

Job Ticket: 44844 **DST#: 1**

Test Start: 2011.11.15 @ 16:05:54

Tool Information

Drill Pipe:	Length:	3294.00 ft	Diameter:	3.80 inches	Volume:	46.21 bbl
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	2.70 inches	Volume:	0.00 bbl
Drill Collar:	Length:	0.00 ft	Diameter:	2.25 inches	Volume:	0.00 bbl
					Total Volume:	46.21 bbl

Drill Pipe Above KB:	9.00 ft
Depth to Top Packer:	3305.00 ft
Depth to Bottom Packer:	3350.00 ft
Interval betw een Packers:	45.00 ft
Tool Length:	135.00 ft
Number of Packers:	3 Diameter: 6.75 inches

Tool Weight:	2500.00 lb
Weight set on Packer:	25000.00 lb
Weight to Pull Loose:	80000.00 lb
Tool Chased	0.00 ft
String Weight: Initial	42000.00 lb
Final	47000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			3286.00		
Shut In Tool	5.00			3291.00		
Hydraulic tool	5.00			3296.00		
Packer	4.00			3300.00	20.00	Bottom Of Top Packer
Packer	5.00			3305.00		
Stubb	1.00			3306.00		
Perforations	5.00			3311.00		
change Over Sub	1.00			3312.00		
Blank Spacing	30.00			3342.00		
change Over Sub	1.00			3343.00		
Perforations	3.00			3346.00		
Recorder	0.00	8369	Inside	3346.00		
Recorder	0.00	6753	Outside	3346.00		
Blank Off Sub	4.00			3350.00	45.00	Tool Interval
Packer	4.00			3354.00		
Stubb	1.00			3355.00		
perforations	2.00			3357.00		
Recorder	0.00	8319	Below	3357.00		
Change Over Sub	1.00			3358.00		
Blank Spacing	62.00			3420.00	70.00	Bottom Packers & Anchor
Total Tool Length:	**135.00**					

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Prospect Oil & Gas,Inc.

PO Box 837
Russell, KS 67665

ATTN: Randy Kilian

29-15s-12w Russell,KS

West Beaver Creek #1

Job Ticket: 44844 **DST#: 1**

Test Start: 2011.11.15 @ 16:05:54

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	40 deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	48.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	8.78 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	3600.00 ppm				
Filter Cake:	inches				

Recovery Information

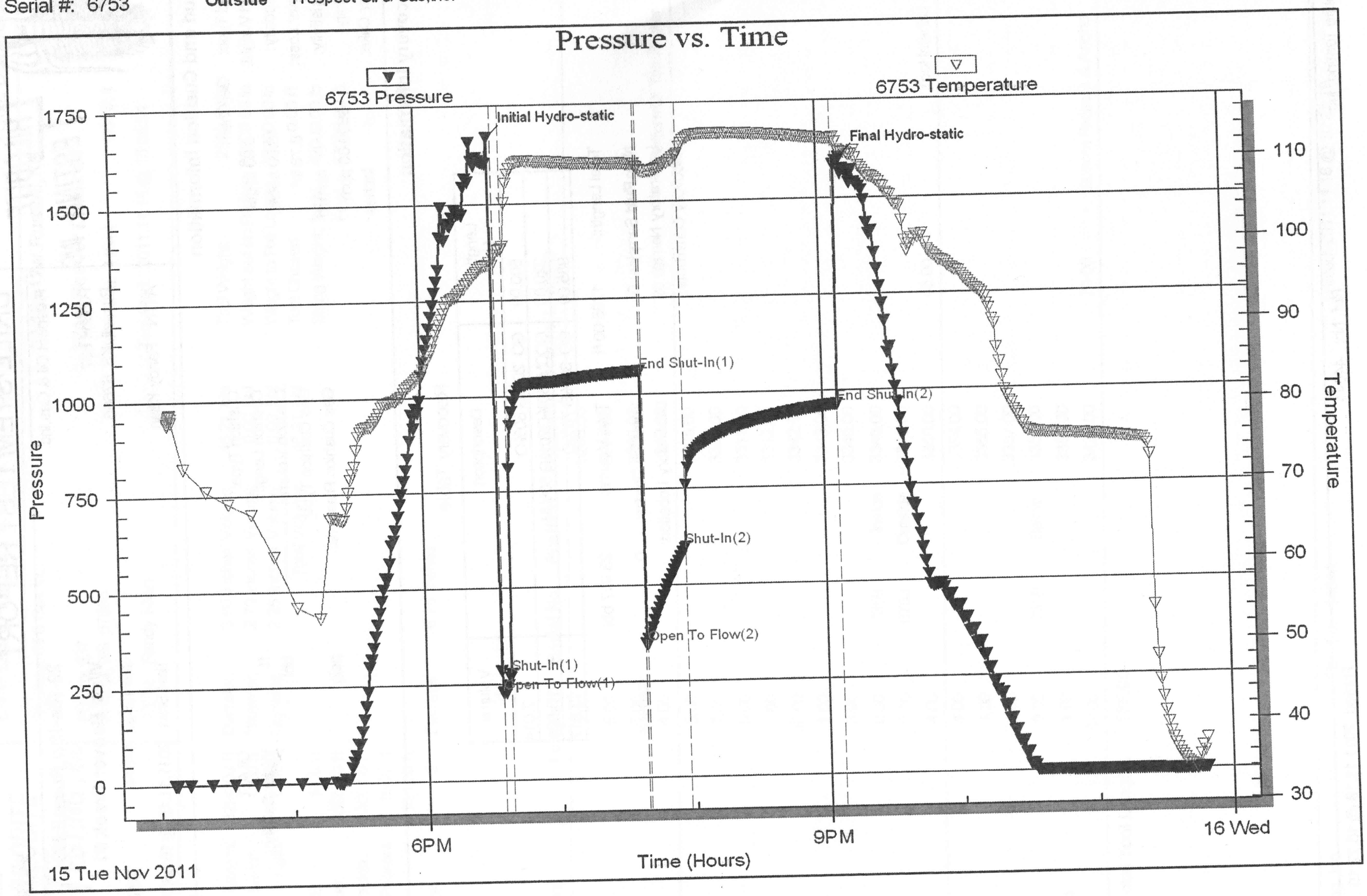
Recovery Table

Length ft	Description	Volume bbl
500.00	GO 20%G 80%O	7.014
220.00	GOCM 30%G20%O 50%M	3.086
985.00	GO 30%G 70%O	13.817

Total Length: 1705.00 ft Total Volume: 23.917 bbl

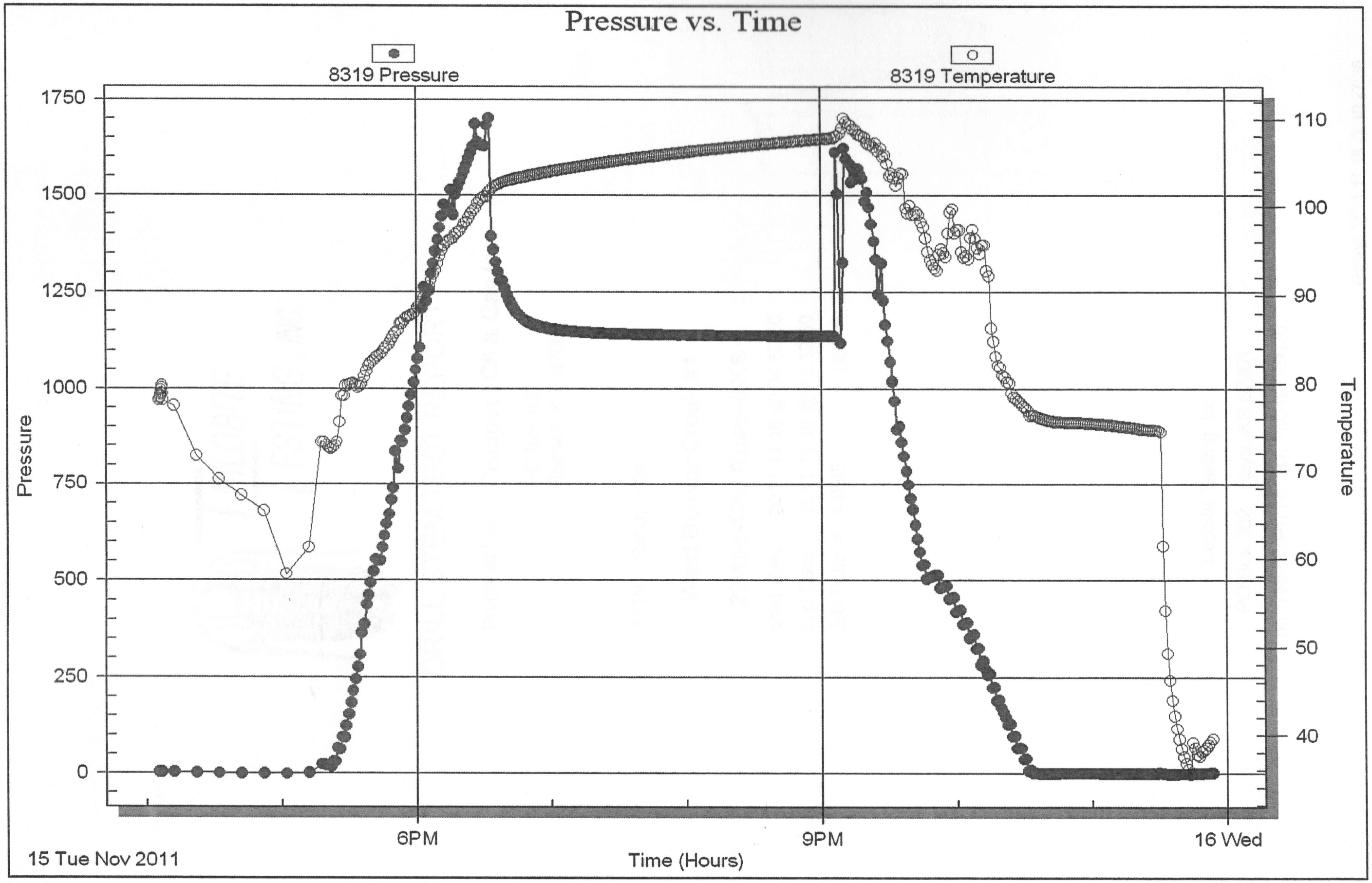
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 6753 **Outside** Prospect Oil & Gas,Inc. West Beaver Creek #1 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 44844 Printed: 2011.11.18 @ 10:27:19

Serial #: 8319 Below (Straddle) Prospect Oil & Gas,Inc. West Beaver Creek #1 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 44844 Printed: 2011.11.18 @ 10:27:20

Randall Kilian Corporation

Geologist

Certified Petroleum Geologist #3351
License #224

P.O. Box 26
Hays, Kansas 67601-0026
Phone: 785-628-6061
Cell: 785-635-1349

GEOLOGIST'S WELL REPORT

COMPANY PROSPECT OIL & GAS CORP. (6627)

WELL WBC #1

FIELD Hall-Gurney

LOCATION (legal) Ap. C SW SW
(670' FSL & 780' FWL)
Section 29 TWP 15S RGE 12W

(Map) 5½ mi N & 1½ mi W of Beaver, Ks.

COUNTY Russell STATE Kansas

ELEVATION: 1885 K.B., 1877 G.L.

Depths measured from Kelly Bushing

A. P. I. NUMBER 15-167-23752

GEOLOGY BY Randall Kilian
Brad Hutchison

PERTINENT WELL DATA

CONTRACTOR Southwind Drilling, Inc. (33350)

RIG #6 (Wes Pfaff TP) HYDRAULICS K-380 6x14x58

DRILL PIPE 4½" X-H COLLARS 6¼ x 2¼ 14 (424')

CASING: SURFACE 8 5/8" @ 562' w/ 225 sx Common

PRODUCTION 5 ½" @ 3415' w/ 150 sx Common
PC @ 1477'

DRILLING FLUID: COMPANY Andy's Mud & Chemical Co.
(Dennis Rector)

TYPE: Chemical

REMARKS: Full service

DRILL STEM TESTS: COMPANY Trilobite Testing Inc.
(Brett Dickinson)

NUMBER OF TESTS Two (2)

ELECTIC LOGS: COMPANY Pioneer Log-Tech Inc.

DETAIL (5") 2650' - RTD

TYPE DI, Comp N-D, Micro

DRILLING TIME FROM 2650' TO RTD

SAMPLE TIME FROM 2650' TO RTD

SUPERVISION FROM 2650' TO RTD

VERTICAL DEVIATION 1°@ 570', 1°@ 3420'

PLUGGING REPORT 30 sx Rat

RESERVE PIT 600 bbls., Chl. 72,000 Ca. 450

DAILY REPORT

DATE:	7 a.m. Depth	RIG ACTIVITY
11-09-11		MIRU
11-10-11		Work on rig
11-11-11		Spud
11-12-11	1204'	Drilling sand & shale
11-13-11	2230'	Drilling shale
11-14-11	2940'	Drilling Topeka lime
11-15-11	3390'	Drilling Arbuckle Dolomite
11-16-11	3420'	TD, Logged, DST'ed, Run Ca

MUD RECORD

CHK	DEPTH	WT	VIS	FIL	CHL	YP	
1	2562'						Displaced
2	2705'	8.6	61				LCM 2#
3	2960'	8.8	55				
4	3087'	9.0	55	7.2	2.8k	15	LCM 1#
5	3140'	9.1	54				LCM 1½#
6	3210'	9.1	51				LCM 1#
7	3335'	9.3	83				
8	3420'	9.3	48	8.8	3.6k	14	LCM 2½# $5775.
9							
10							
11							

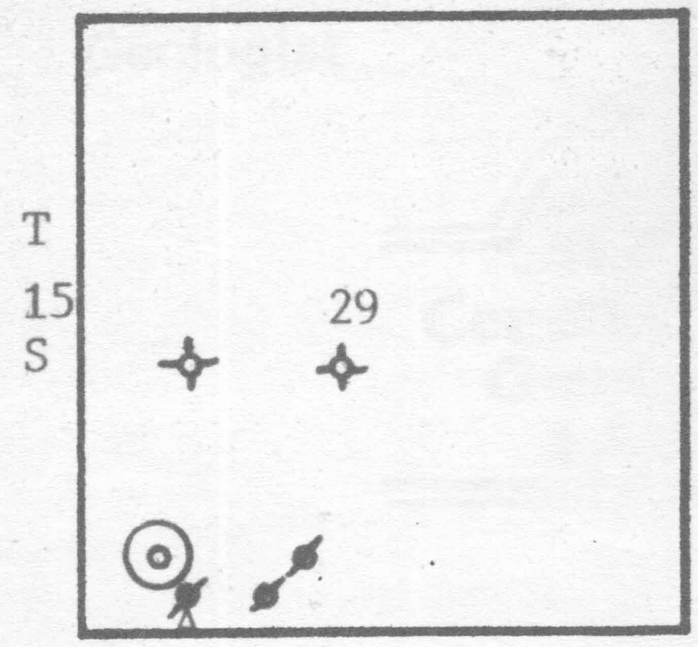
BIT RECORD

NO.	SIZE	MAKE	TYPE	DEPTH OUT	FEET	HOURS
1	12 ¼"	Smith	M221A1	570'	570'	8 3/4
2	7 7/8"	Reed	S-52	3420'	2850'	72 ¼
3						
4						
5						
6						

DRILL STEM TESTS

NO	INTERVAL	IFP/TIME	ISIP/TIME	FFP/TIME	FSIP/TIME	HP/FHP	RECOVERY
1	Arb. 3305-3350'	228# 277# 5"	1060# 60"	346# 598# 20"	965# 60"	1673# 1605#	1705' M,G,Oil 40°
2	Arb. 3350-3362'	201# 338# 5"	1109# 60"	758# 802# 20"	1075# 60"	1664# 1597#	170' GIP 1320' G,Oil 125' GO,G,M,Wtr 185' G,O,Wtr
3							
4							
5							
6							
7							
8							

FORMATION TOPS & STRUCTURAL GEOLOGY



REFERRED TO:

A: Phillips Petroleum Co
Luerman #1 SE SW SW 29

B:

C:

D:

E:

STRATIGRAPHIC MARKERS	SUBJECT WELL SAMPLE	SUBJECT WELL E. LOG	STRUCTURAL POSITION DATUM	STRUCTURAL POSITION A	B	C	D	E
Anhydrite	823'	820'	+1065	+1064				
Base	845'	849'	+1036	+1035				
Topeka	2694'	2692'	- 807	- 814				
Heeb. Sh.	2968'	2967'	-1082	-1091				
Toronto	2988'	2984'	-1099					
Brown Lime	3056'	3054'	-1169	-1180				
Lansing	3063'	3061'	-1176	-1188				
BKc.	3310'	3308'	-1423	-1436				
Arbuckle	3334'	3331'	-1446	-1481				
TD	3420'	3417'	-1532	-1485				

*Structural position of subject well as compared to referred well.

SUMMARY

The WBC #1 well was drilled with Southwind Drilling tools rig #6 beginning 11-11-11 and drilling was completed 11-16-11.

The drill-site was located via a 3-D seismic survey. It was confirmed with satellite and a Hydrocarbon Microseepage Survey.

The well ran high structurally to all nearby wells. The well is 35' high to the SE abandoned producer.

The well was drilled to TD, logged and then DST'ed Both DST #1 & #2 were positive tests.

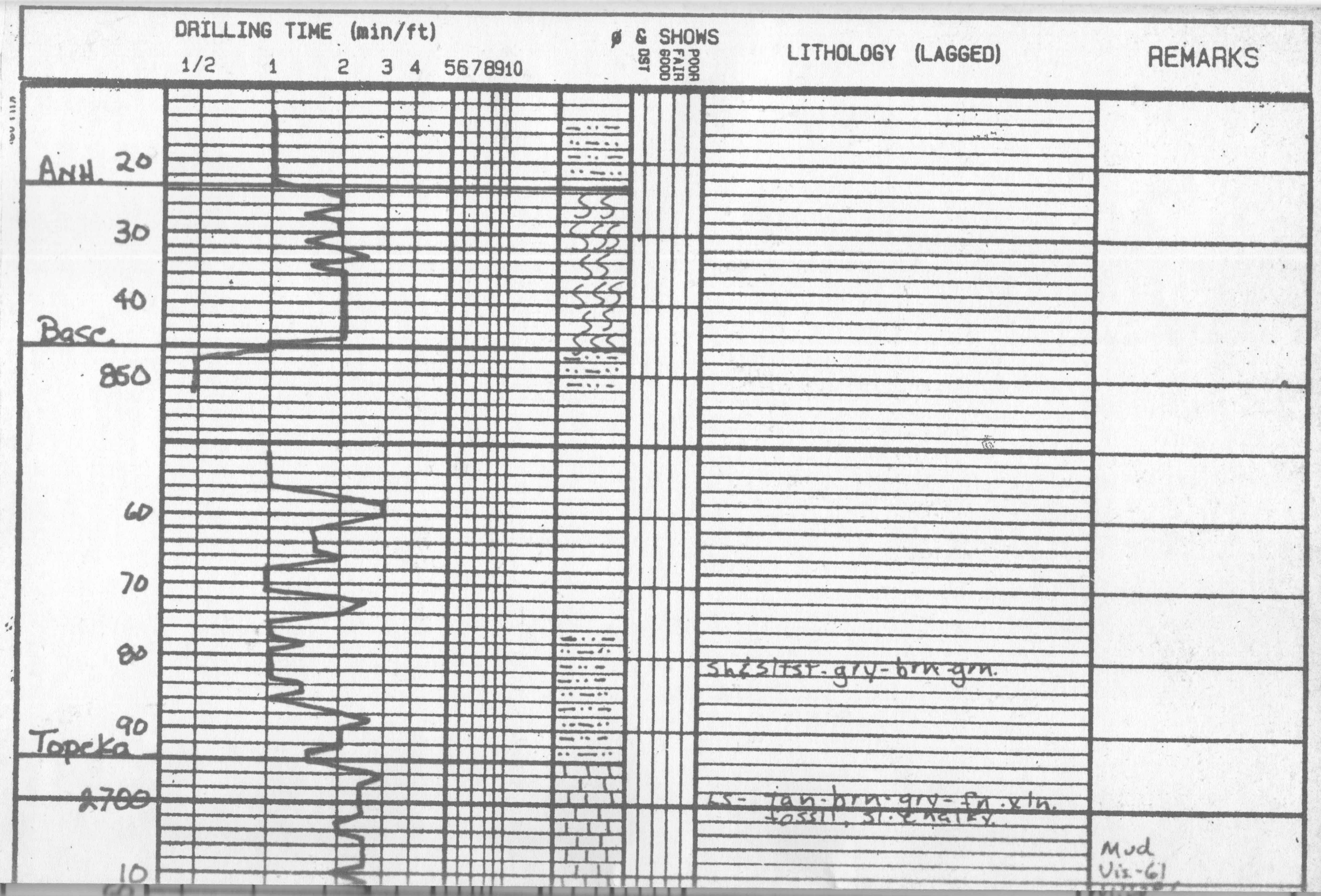
Based upon all data, production casing was set and cemented to further test and produce the well.

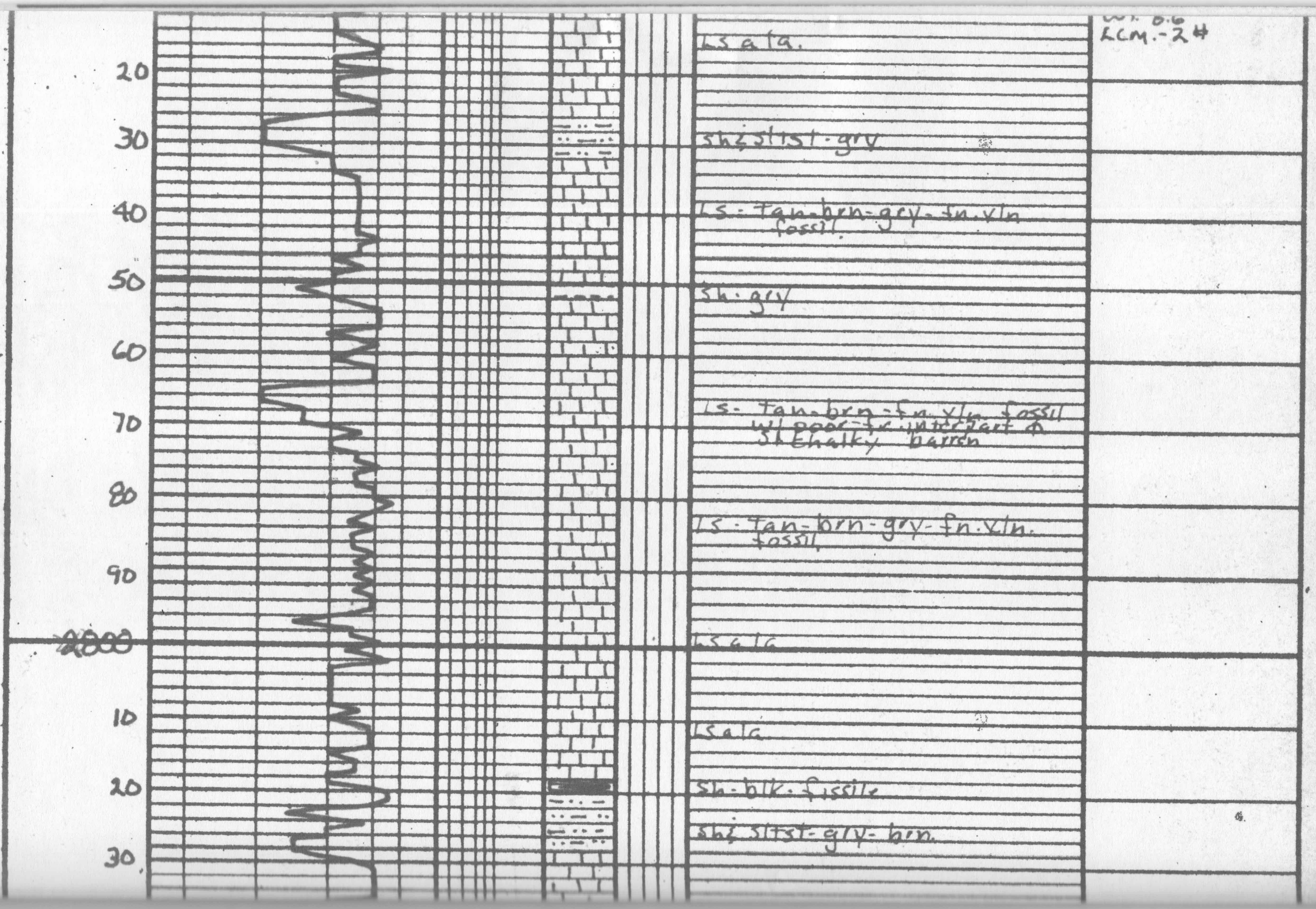
Recommended perfs; Arb. 3353-55', 3335-39'.
Before abandoning; LKc C 3091-94', B 3068-72'.

Respectfully,

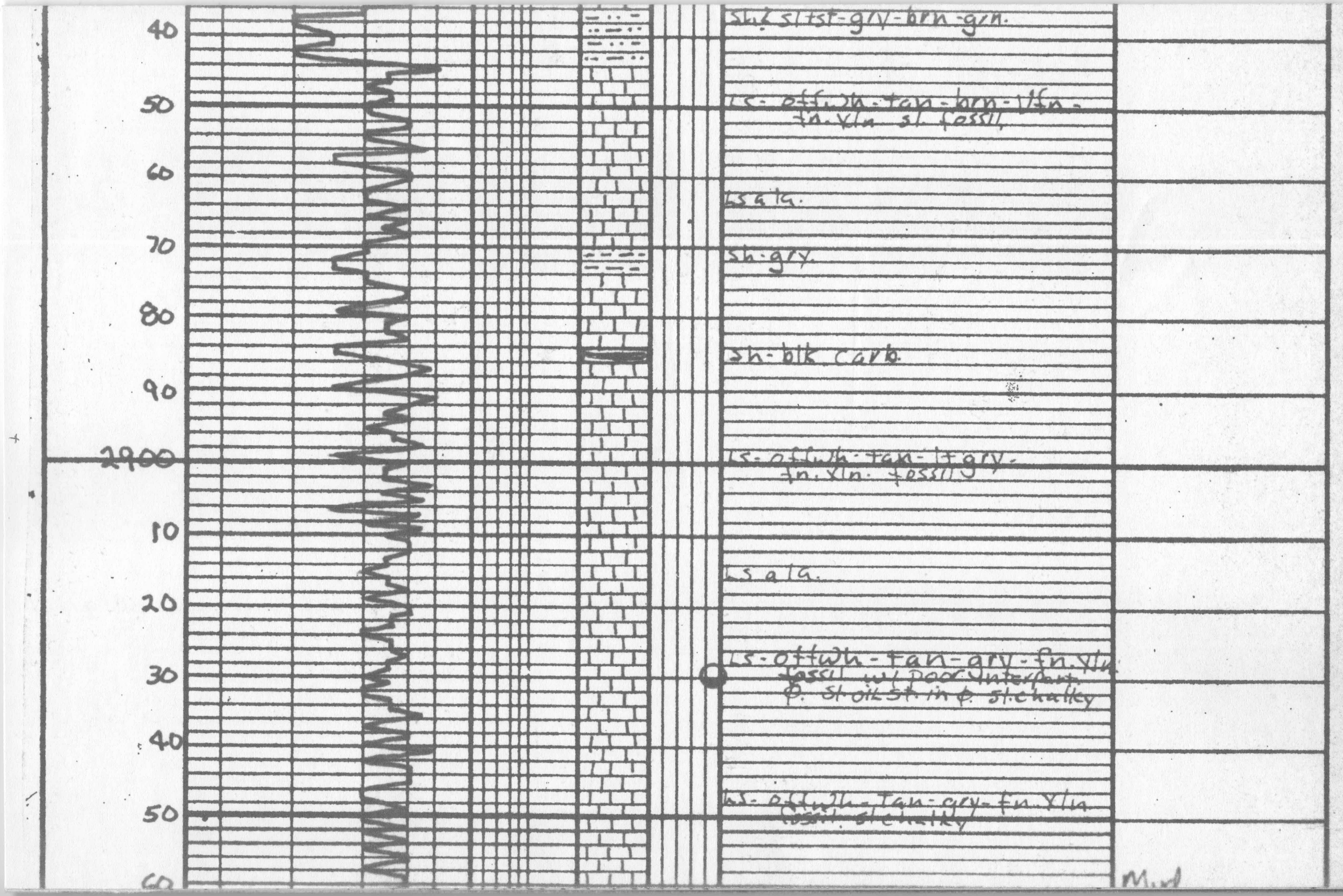
Randy

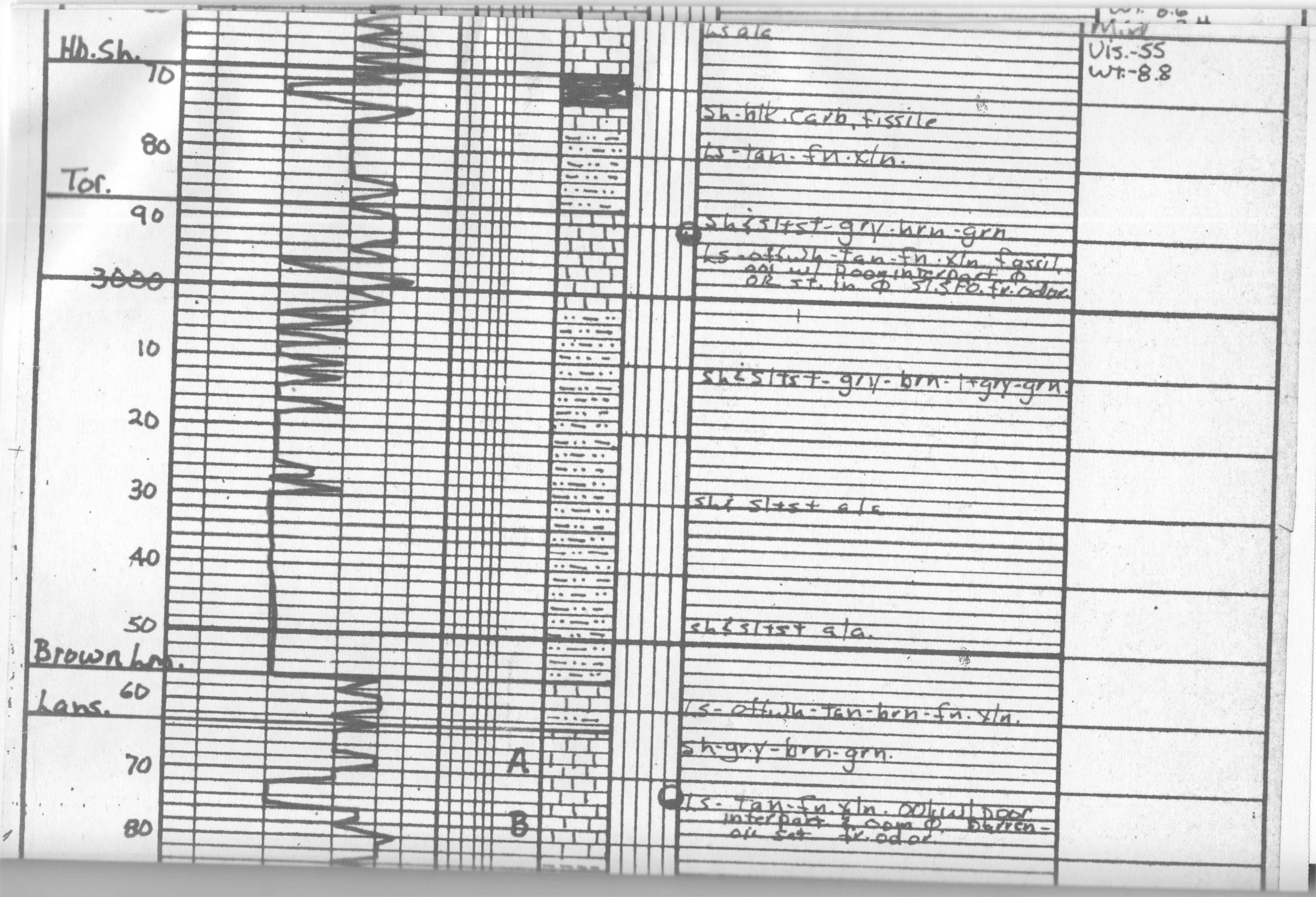
Randall Kilian

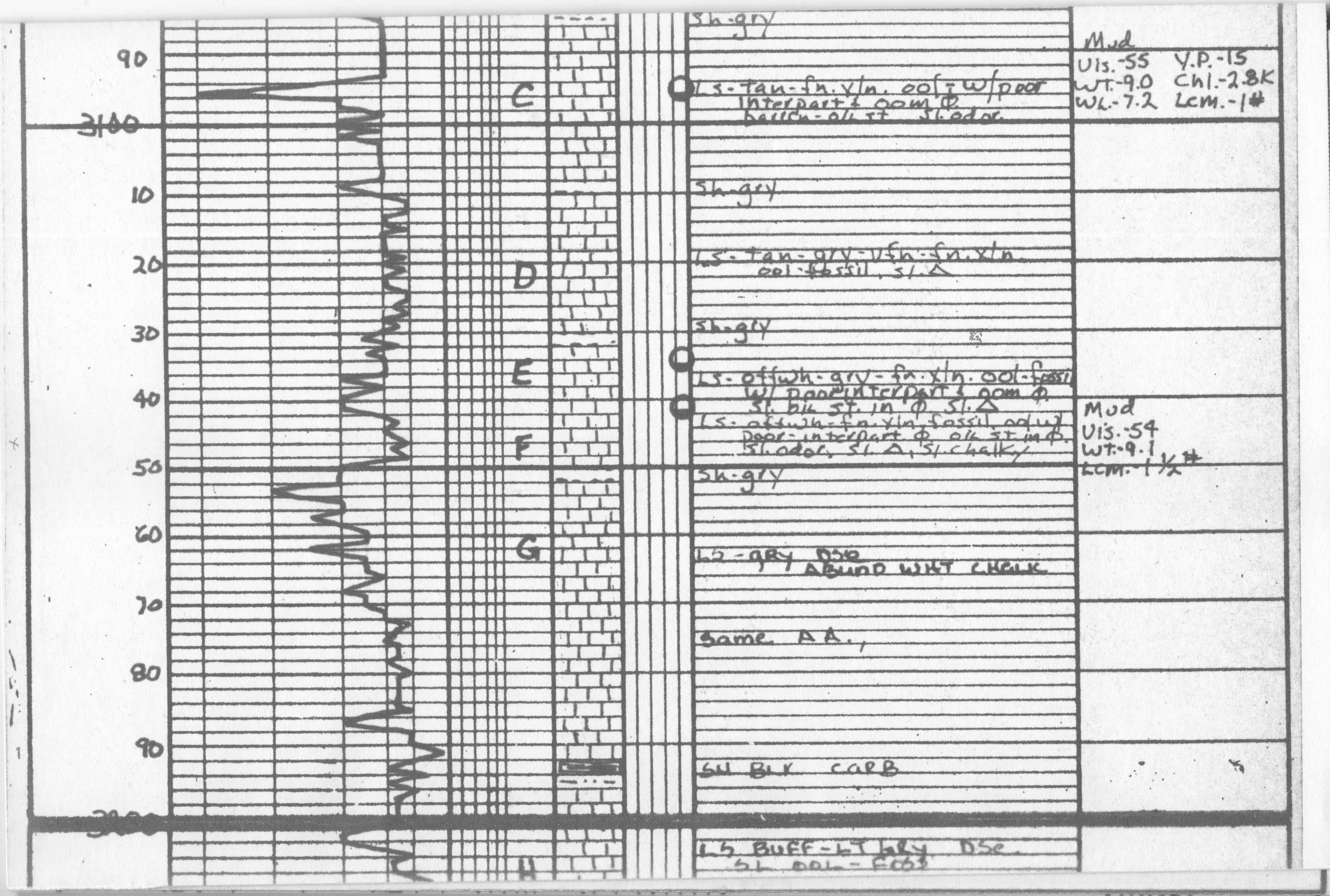

DRILLING TIME (min/ft)
1/2 1 2 3 4 5 6 7 8 9 10
ø & SHOWS
DST
GOOD
FAIR
POOR
LITHOLOGY (LAGGED)
REMARKS
ANH. 20
30
40
Basc.
850
60
70
80
90
Topeka
2700
10
Sh & sltst - gry - brn - grn.
LS - tan - brn - gry - fn. xln.
fossil, sl. chalky.
Mud
Vis-61



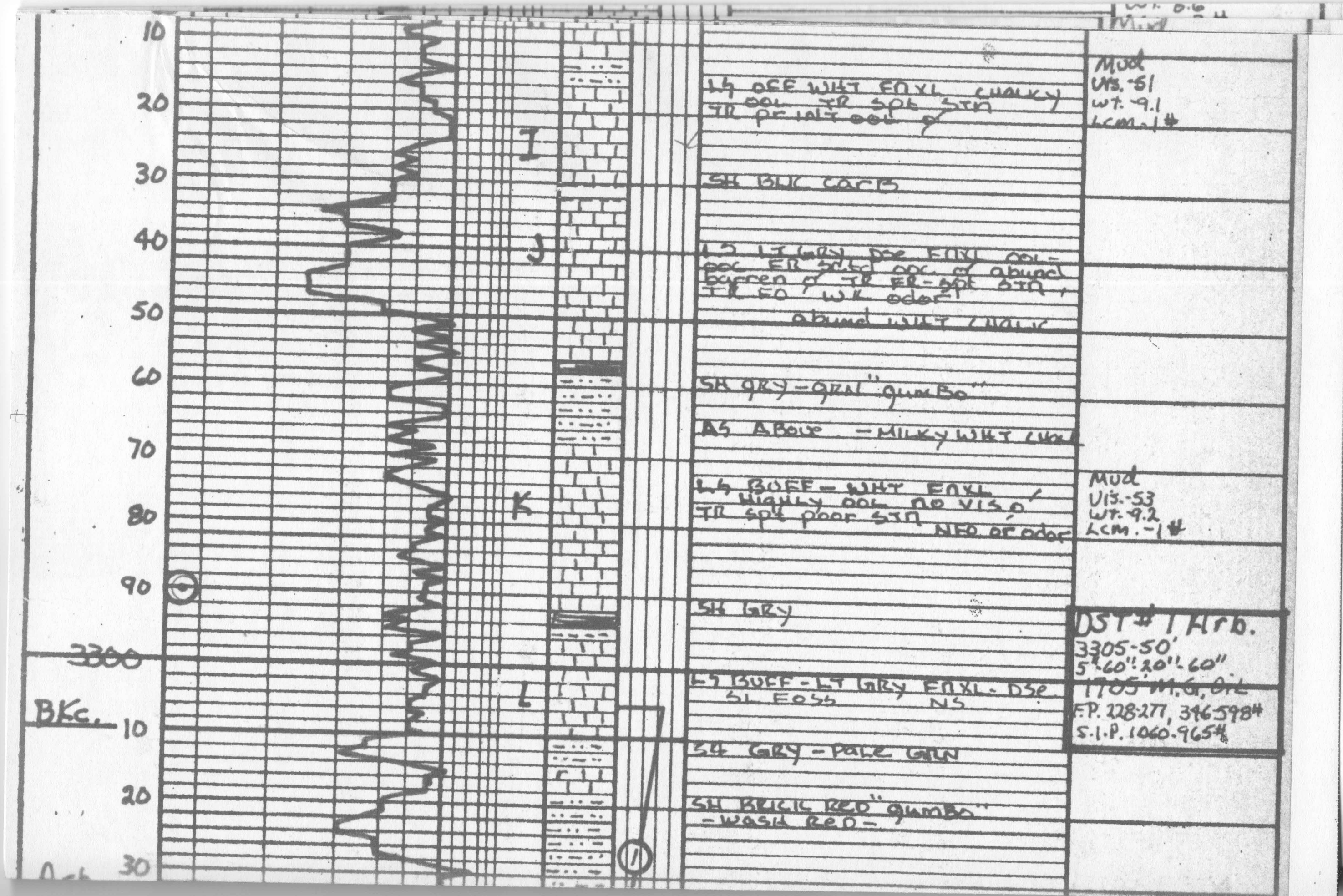
20
30
40
50
60
70
80
90
2800
10
20
30
Ls a la.
sh & sltst - gry
Ls - tan - brn - gry - fn. vln fossil.
sh - gry
Ls - tan - brn - fn. vln. fossil w/ poor - fr. interpart & sh chalky barren
Ls - tan - brn - gry - fn. vln. fossil.
Ls a la
Ls a la.
sh - blk - fissile
sh & sltst - gry - brn.
LCM. - 2#

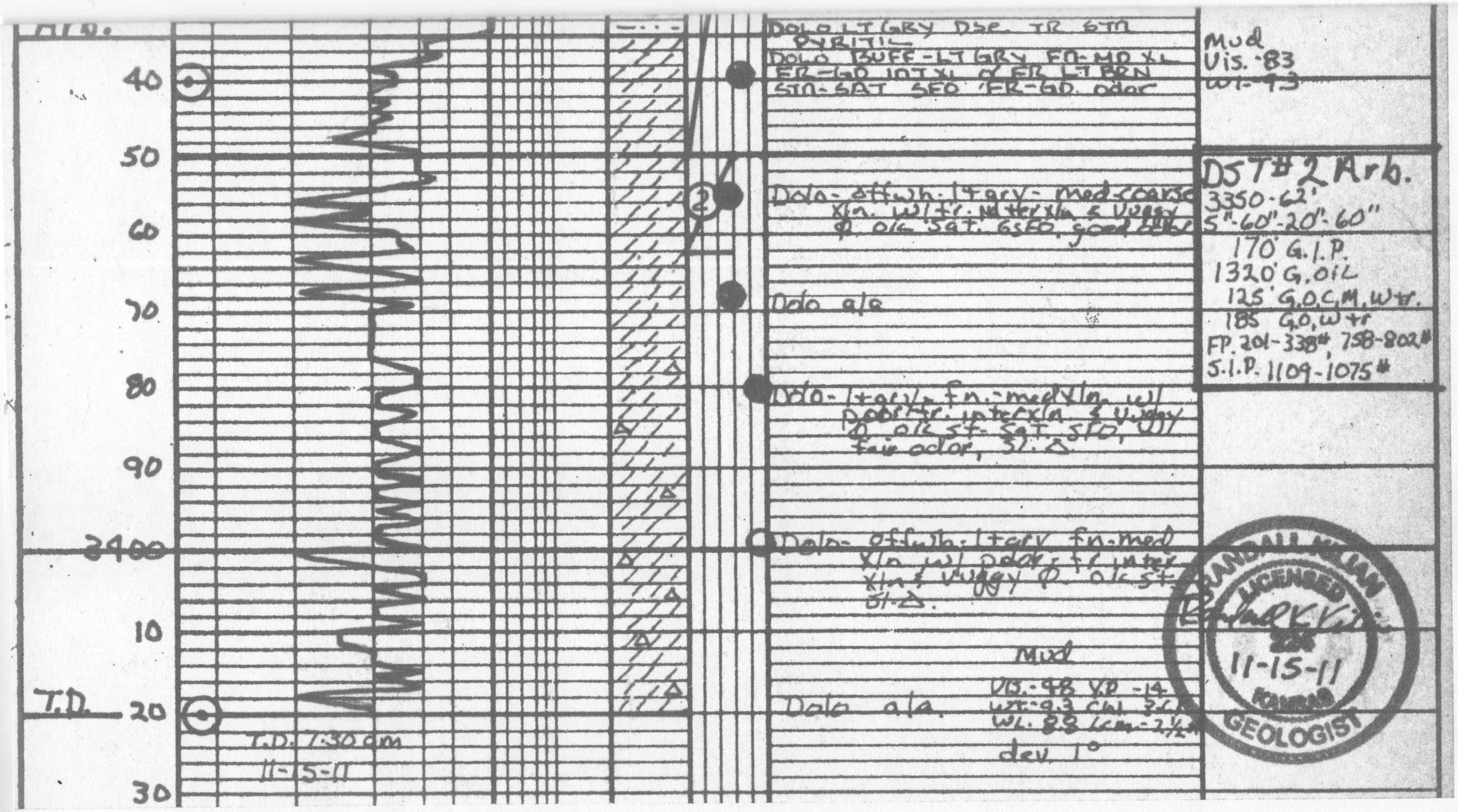

40
50
60
70
80
90
2900
10
20
30
40
50
60
Sh? sltst-gry-brn-grn.
LS-offwh-tan-brn-Vfn-fn.Xln sl. fossil.
LS a/a.
Sh-gry.
Sh-blk carb.
LS-offwh-tan-ltgry-fn.Xln. fossil
LS a/a.
LS-offwh-tan-gry-fn.Xln fossil w/ poor interpart. ϕ. sl. oil st. in ϕ. sl. chalky
LS-offwh-tan-gry-fn.Xln fossil. sl. chalky
Mud


Hb.Sh.
70
80
Tor.
90
3000
10
20
30
40
50
Brown Lm.
Lans.
60
70
80
A
B
Ls ala
Sh-blk, carb, fissile
Ls-tan-fn-xln.
Sh & sltst-gry-brn-grn
Ls-off wh-tan-fn-xln. fossil, ool w/ poor interpart Φ OR st. in Φ sl. sfo. fr. odor.
Sh & sltst-gry-brn-ltgry-grn.
Sh & sltst a/a
Sh & sltst a/a.
Ls-off wh-tan-brn-fn-xln.
Sh-gry-brn-grn.
Ls-tan-fn-xln. ool w/ poor interpart & com Φ. barren-oil sat fr. odor.
Vis.-55
Wt.-8.8



90
3100
10
20
30
40
50
60
70
80
90
C
D
E
F
G
H
Sh-gry
Ls-tan-fn.x/n. ool-w/poor interpart & oom Φ. barren-o/l st. sl. odor.
Sh-gry
Ls-tan-gry-vfn-fn.x/n. ool-fossil, sl. Δ
Sh-gry
Ls-off wh-gry-fn.x/n. ool-fossil w/ poor interpart & oom Φ. sl. o/l st. in Φ. sl. Δ
Ls-off wh-fn.x/n. fossil, ool w/ poor-interpart Φ. o/l st. in Φ. sl. odor, sl. Δ, sl. chalky
Sh-gry
LS-gry DSe ABUND WHT CHALK
Same AA.,
SH BLK CARB
LS BUFF-LT GRY DSe. SL OOL-FOSS
Mud
Vis.-55 Y.P.-15
WT.-9.0 Chl.-2.8K
WL.-7.2 Lcm.-1#
Mud
Vis.-54
WT.-9.1
Lcm.-1½#


10
20
30
40
50
60
70
80
90
3300
BKc.
10
20
30
I
J
K
L
LS OFF WHT FNXL CHALKY OOL TR SPT STN TR PR INT OOL
SH BLK CARB
LS LT GRY DSE FNXL OOL-OOC FR SCTD OOC of abund barren of TR FR-SPT STN, TR FO WK odor
abund WHT CHALK
SH GRY-GRN "GUMBO"
AS ABOVE - MILKY WHT CHALK
LS BUFF - WHT FNXL HIGHLY OOL NO VIS O TR SPT POOR STN NFO OR odor
SH GRY
LS BUFF - LT GRY FNXL - DSE SL FOSS NS
SH GRY - PALE GRN
SH BRICK RED "GUMBO" - WASH RED -
Mud
Vis.-51
wt.-9.1
Lcm.-1#
Mud
Vis.-53
wt.-9.2
Lcm.-1#
DST # 1 Arb.
3305-50'
5"-60"-20"-60"
1705 M.G. Oil
F.P. 228-277, 346-598#
S.I.P. 1060-965#



Arb.
40
50
60
70
80
90
3400
10
T.D.
20
30
T.D. 7:30 am
11-15-11
DOLO LT GRY DSE TR STN PYRITIC
DOLO BUFF-LT GRY FN-MD XL FR-GD INT XL & FR LT BRN STN-SAT SFO FR-GD odor
Dolo-offwh. lt gry-med coarse xln. w/ fr. intercxln & vuggy Φ. ok sat. GSFO, good odor
Dolo a/a
Dolo-lt gry-fn.-med xln. w/ poor fr. intercxln & vuggy Φ. ok st. sat. SFO, w/ fair odor, sl. Δ
Dolo-offwh. lt gry fn-med xln w/ poor fr. inter xln & vuggy Φ. ok st. sl. Δ.
Dolo a/a.
Mud
VIS.-48 YP -14
wt.-9.3 CW 3.6
WL. 8.8 Lcm-2½
dev. 1°
Mud
Vis.-83
wt.-9.3
DST#2 Arb.
3350-62'
5"-60"-20"-60"
170' G.I.P.
1320' G.OIL
125' G.O.C.M.Wtr.
185 G.O.Wtr
FP. 201-338#, 758-802#
S.I.P. 1109-1075#
RANDALL KILIAN
LICENSED
224
11-15-11
KANSAS
GEOLOGIST