



KANSAS CORPORATION COMMISSION 1106670  
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 # 33263  
Name: Bowman, William F. dba The Bill Bowman Oil Company  
Address 1: 2640 W RD  
Address 2: \_\_\_\_\_  
City: NATOMA State: KS Zip: 67651 + 8816  
Contact Person: William F. Bowman  
Phone: ( 785 ) 885-4830  
CONTRACTOR: License # 34743  
Name: White Knight Drilling LLC  
Wellsite Geologist: Ed Glassman  
Purchaser: N/A

Designate Type of Completion:  
 New Well     Re-Entry     Workover  
 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 #: \_\_\_\_\_  
11/14/2012    11/20/2012    11/20/2012  
Spud Date or    Date Reached TD    Completion Date or  
Recompletion Date       Recompletion Date

API No. 15 - 15-141-20455-00-00  
Spot Description:  
SE SW NE SW Sec. 15 Twp. 6 S. R. 13  East  West  
1466 Feet from  North /  South Line of Section  
3336 Feet from  East /  West Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
 NE     NW     SE     SW  
County: Osborne  
Lease Name: Doane Well #: 1  
Field Name: \_\_\_\_\_  
Producing Formation: Arbuckle  
Elevation: Ground: 1636 Kelly Bushing: 1641  
Total Depth: 4020 Plug Back Total Depth: \_\_\_\_\_  
Amount of Surface Pipe Set and Cemented at: 218 Feet  
Multiple Stage Cementing Collar Used?  Yes  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: 5000 ppm Fluid volume: 0 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  
 Geologist Report Received  
 UIC Distribution  
ALT  I  II  III Approved by: Deanna Garrison Date: 01/08/2013



1106670

Operator Name: Bowman, William F. dba The Bill Bowman Oil Company Lease Name: Doane Well #: 1  
 Sec. 15 Twp. 6 S. R. 13  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 <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input checked="" type="checkbox"/> Sample  <table style="width:100%; border: none;"> <tr> <td style="width:50%; border: none;">Name Attached</td> <td style="width:25%; border: none;">Top Attached</td> <td style="width:25%; border: none;">Datum Attached</td> </tr> </table>	Name Attached	Top Attached	Datum Attached
Name Attached	Top Attached	Datum Attached		

CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> 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	218	Class A Common	150	3% CC, 2% Gel

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 <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____		Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No	
Date of First, Resumed Production, SWD or ENHR. _____		Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____	
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls. Gas-Oil Ratio Gravity

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	Bowman, William F. dba The Bill Bowman Oil Company
Well Name	Doane 1
Doc ID	1106670

Tops

Anhydrite	884	+757
Base of Anhydrite	889	+752
Topeka	2628	-987
Heebner	2891	-1250
Lansing	2929	-1288
Base of Kansas City	3145	-1504
Cherokee	3370	-1729
Arbuckle	3987	-2346
RTD	4020	

# QUALITY OILWELL CEMENTING, INC.

F

Phone 785-483-2025  
Call 785-324-1041

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

No. 6191

Date	11-13-12	Sec.	15	Twp.	6	Range	13	County	Osborne	State	Ks	On Location	Finish	5:15 PM
Lease													Doane	
Well No.													1	
Owner													E.H. Int	
Contractor													Precision Drilling	
Type Job													Surface	
Hole Size													12 1/4"	
Csg.													8 5/8"	
T.D.													231'	
Depth													225'	
Street														
Tbg. Size														
Depth														
City														
State														
Tool														
Depth														
Cement Left in Csg.													15'	
Shoe Joint													15'	
Cement Amount Ordered													180 sx Common 3% CC	
Meas Line														
Displace													<del>100</del> BLS 2% Gel	
EQUIPMENT													13 1/4	
Common													Used 150	
Pumptrk No.													16	
Cementer													Francis	
Helper														
Bulktrk No.														
Driver													Lonnie M.	
Bulktrk No.														
Driver													Rick	
JOB SERVICES & REMARKS														
Remarks:													Cement did Circulate	
Rat Hole														
Flowseal														
Mouse Hole														
Kol-Seal														
Centralizers														
Mud CLR 48														
Baskets													40' from surface	
CFL-117 or CD110 CAF 38														
D/V or Port Collar														
Sand														
Handling													180	
Mileage														
FLOAT EQUIPMENT														
Guide Shoe														
Centralizer														
Baskets													1	
AFU Inserts														
Float Shoe														
Latch Down														
Pumptrk Charge													Surface	
Mileage													58	
Tax														
Discount														
Total Charge														
Signature														

# ALLIED OIL & GAS SERVICES, LLC 056582

RENTED TO P.O. BOX 31  
RUSSELL, KANSAS 67665

SERVICE POINT:

Russell KS

DATE <u>11-20-12</u>	SEC. <u>15</u>	TWP. <u>6</u>	RANGE <u>13</u>	CALLED OUT	ON LOCATION	JOB START 5:00 AM	JOB FINISH 5:30 AM
LEASE <u>Donna</u>	WELL# <u>M1</u>	LOCATION <u>Osborne KS 4W 5N NE in to</u>			Osborne	KS	
OLD OR NEW (Circle one)							

CONTRACTOR White Knight  
 TYPE OF JOB PTA  
 HOLE SIZE 7 7/8 TD. 4020  
 CASING SIZE DEPTH  
 TUBING SIZE DEPTH  
 DRILL PIPE 4 1/2 DEPTH 625  
 TOOL DEPTH  
 PRES. MAX. MINIMUM  
 MEAS. LINE SHOE JOINT  
 CEMENT LEFT IN CSO.  
 PERFS.  
 DISPLACEMENT

OWNER

CEMENT

AMOUNT ORDERED 180 60/40 4% Gel 14910

COMMON 108 @ 17.90 1933.20  
 POZMIX 72 @ 9.35 673.20  
 GEL 6 @ 23.40 140.40  
 CHLORIDE @  
 ASC @  
6lb 300# 2 @ 2.97 148.50

EQUIPMENT

PUMP TRUCK CEMENTER Robert Y Bob  
 # 417 HELPER Woody  
 BULK TRUCK  
 # 481 DRIVER Kerry T  
 BULK TRUCK  
 # DRIVER

used 1603xs  
 HANDLING 193.33 @ 2.48 479.47  
 MILEAGE 516.16 @ 2.60 1342.02  
 TOTAL 4716.79

REMARKS:

80sk @ 625  
40sk @ 225  
10sk @ 40  
30sk @ Rathole

SERVICE

DEPTH OF JOB 625  
 PUMP TRUCK CHARGE 2158.75  
 EXTRA FOOTAGE @  
 MILEAGE 64 HUNT @ 7.70 492.80  
 MANIFOLD @  
64 LUNT @ 4.40 281.60

TOTAL 2933.15

CHARGE TO: Donna  
Bowman Oil Co

STREET  
 CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

8 3/8 Wooden plug @ 107.64 107.64  
 @  
 @  
 @  
 @  
 TOTAL 107.64

To: Allied Oil & Gas Services, LLC.  
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (if Any) 605.09  
 TOTAL CHARGES 7757.58  
 DISCOUNT 2490.18 IF PAID IN 30 DAYS  
Net 5267.40 BS 11-20  
before tax

PRINTED NAME Cecil Addidse

SIGNATURE Cecil Addidse

*Glassman Consulting*

**GEOLOGIC  
REPORT  
LOG**

COMPANY BILL BOWMAN OIL CO.

NATOMA KS 67651

WELL DOANE #1

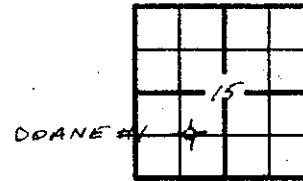
FIELD WILDCAT

LOCATION 1466' FSL ± 3336' FEL

SEC. 15 TWP. 6S RGE. 13W

COUNTY OSBORNE

STATE KANSAS



PRODUCTION DEA

ELEVATION KB 1641

DF

GL 1636

Drilling Measured From: KELLY BUSHING

Samples Saved From 2500 To: 4020

Drilling Time From 2400 To: 4020

Samples Examined From: 2500 To: 4020

Geological Supervision From 2500 To Total Depth

Wellsite Geologist ED GLASSMAN

Electrical Surveys NONE

OPERATOR BILL BOWMAN OIL CO.

CONTRACTOR WHITE KNIGHT DRILLING LLC

COMM: 11-14-2012 COMP: 11-20-2012

**CASING RECORD**

SURF: 8 5/8" @ 218' PROD: NONE

TOTAL DEPTH DRILLERS: 4020

TOTAL DEPTH LOG NA

**FORMATION TOPS AND STRUCTURAL POSITION**

FORMATION	SAMPLE TOP	ELECTRIC LOG TOP	SUB-SEA DATUM	STRUCTURAL POSITION
ANHYDRITE	884 (+757)			NA
B/ ANHYDRITE	889 (+752)			NA
TOPEKA	2628 (-987)			NA
HEEBNER	2891 (-1250)			NA
LANSING	2929 (-1288)			+4
B/ KANSAS CITY	3145 (-1504)			+3
CHEROKEE	3370 (-1729)			-7
ARBUCKLE	3987 (-2346)			NA

REFERENCE WELL FOR STRUCTURE PHILLIPS PETROLEUM,

GRIEVE #1, NW SE NE SEC 6-75-12W

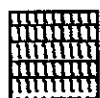
OSBORNE COUNTY KANSAS







### LEGEND



Anhydrite



Salt



Sandstone



Shale



Carb sh



Limestone



Ool.Lime



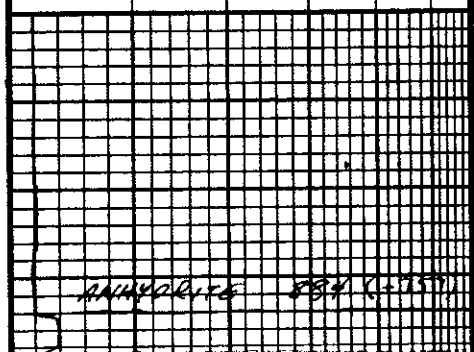
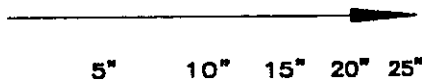
Chert



Dolomite

LOG 7710

DRILLING TIME IN MINUTES  
PER FOOT  
Rate of Penetration Decreases



DEPTH

50

60

70

80

LITHOLOGY



SAMPLE DESCRIPTIONS


OIL SHOWS


REMARKS


Start 10' water  
Dry 5mp 15'

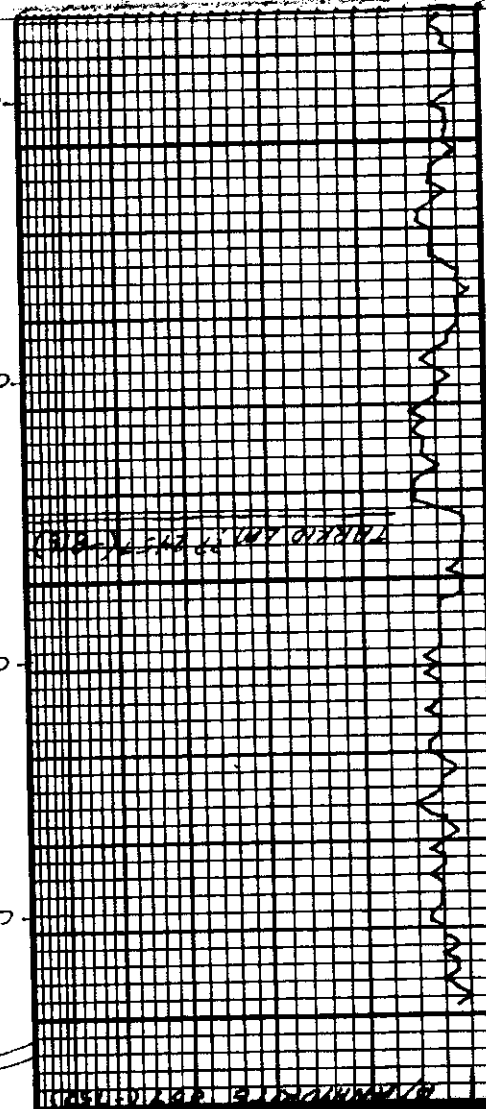
OH. 8.9. f-meds  
pity.

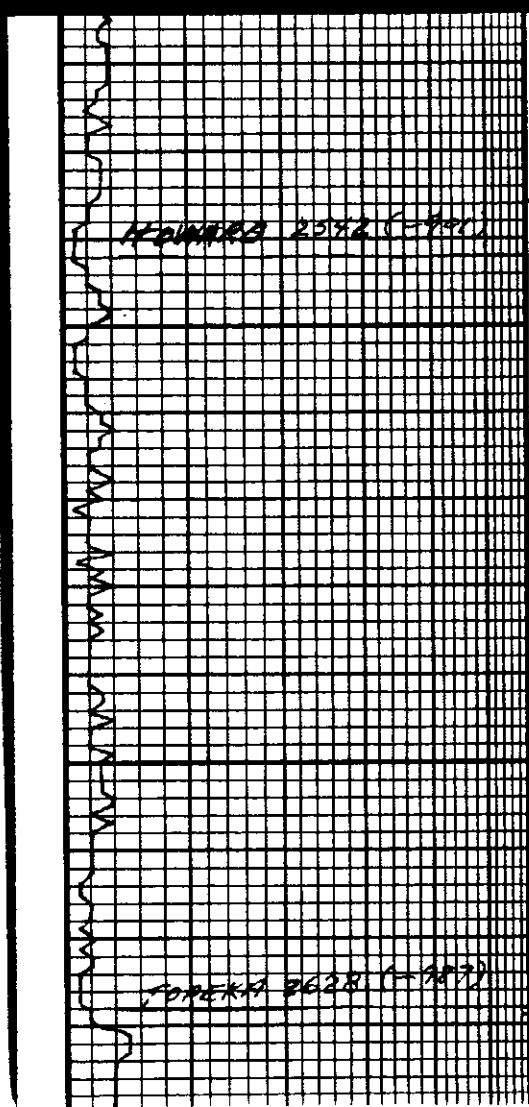
Start 1'  
dry time

2500  
90  
80  
70  
60  
50  
40  
30  
20  
10  
2400

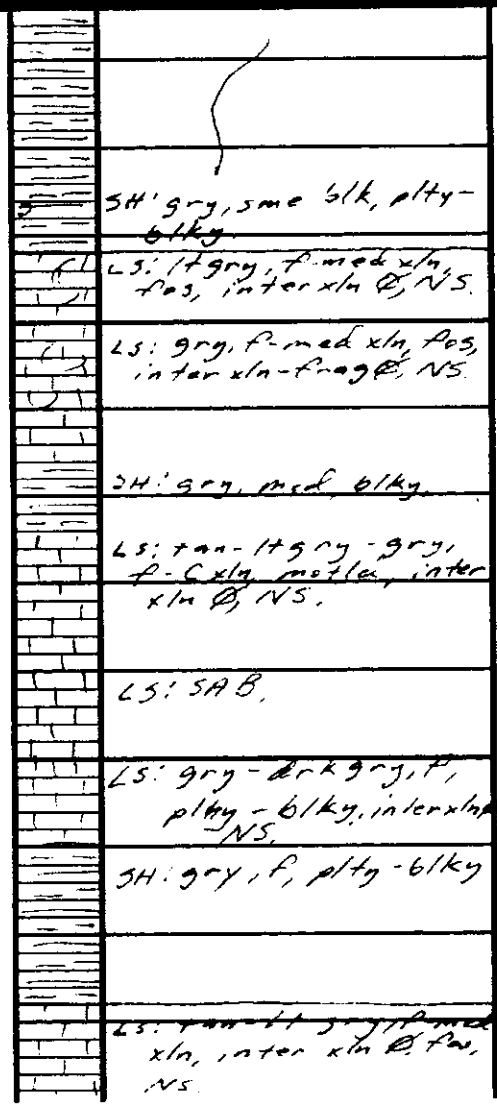
THICK AND TIGHT (BIB)

WINDING 307 (15.5)





20  
30  
40  
50  
60  
70  
80  
90  
2600  
10  
20  
30



SH: gry, sme blk, plty-  
blk

LS: lt gry, f. med xln,  
fas, inter xln Ø, NS.

LS: gry, f. med xln, fas,  
inter xln-frog Ø, NS.

SH: gry, med. blk

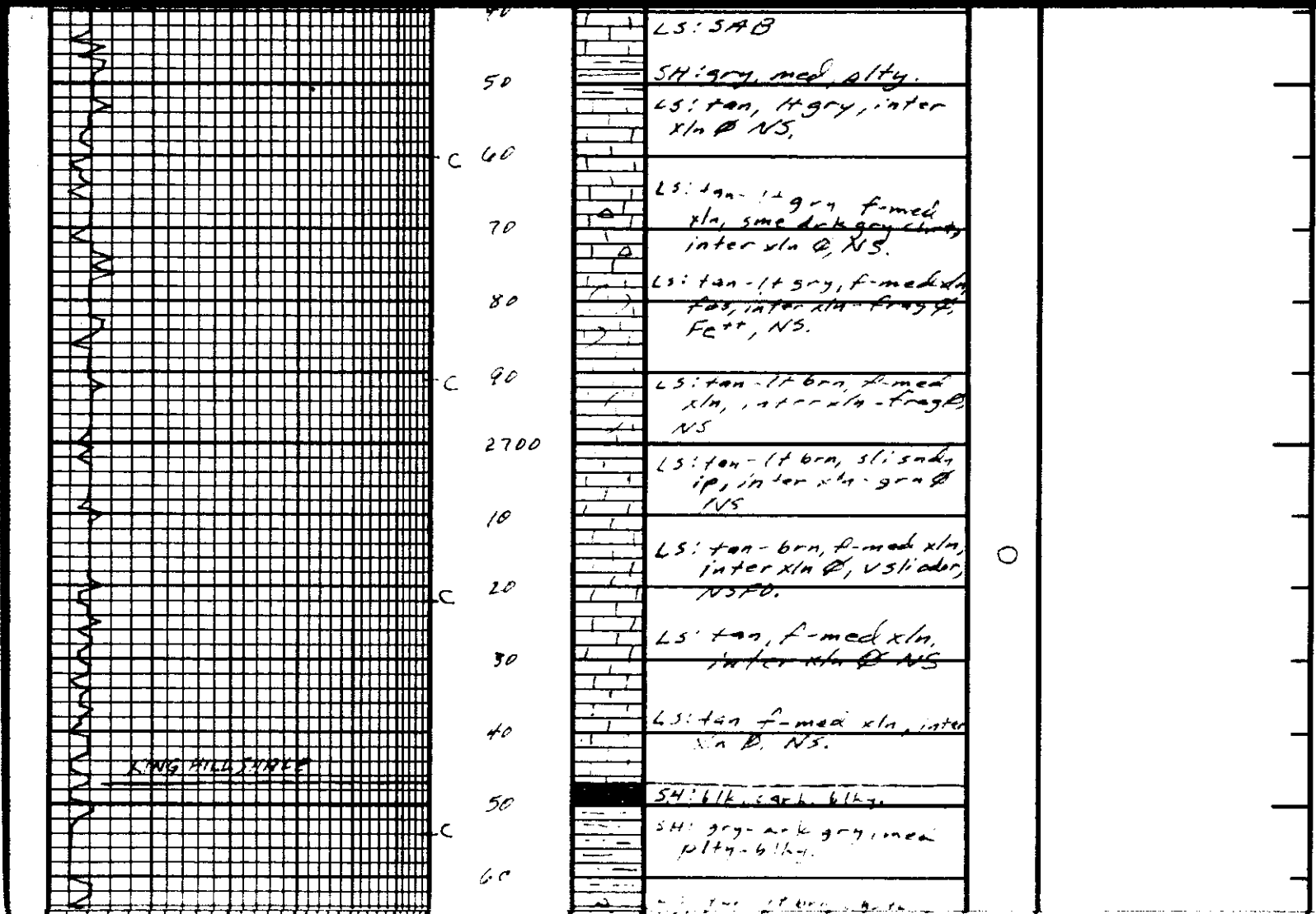
LS: tan-lt gry - gry,  
f - c xln, motler, inter  
xln Ø, NS.

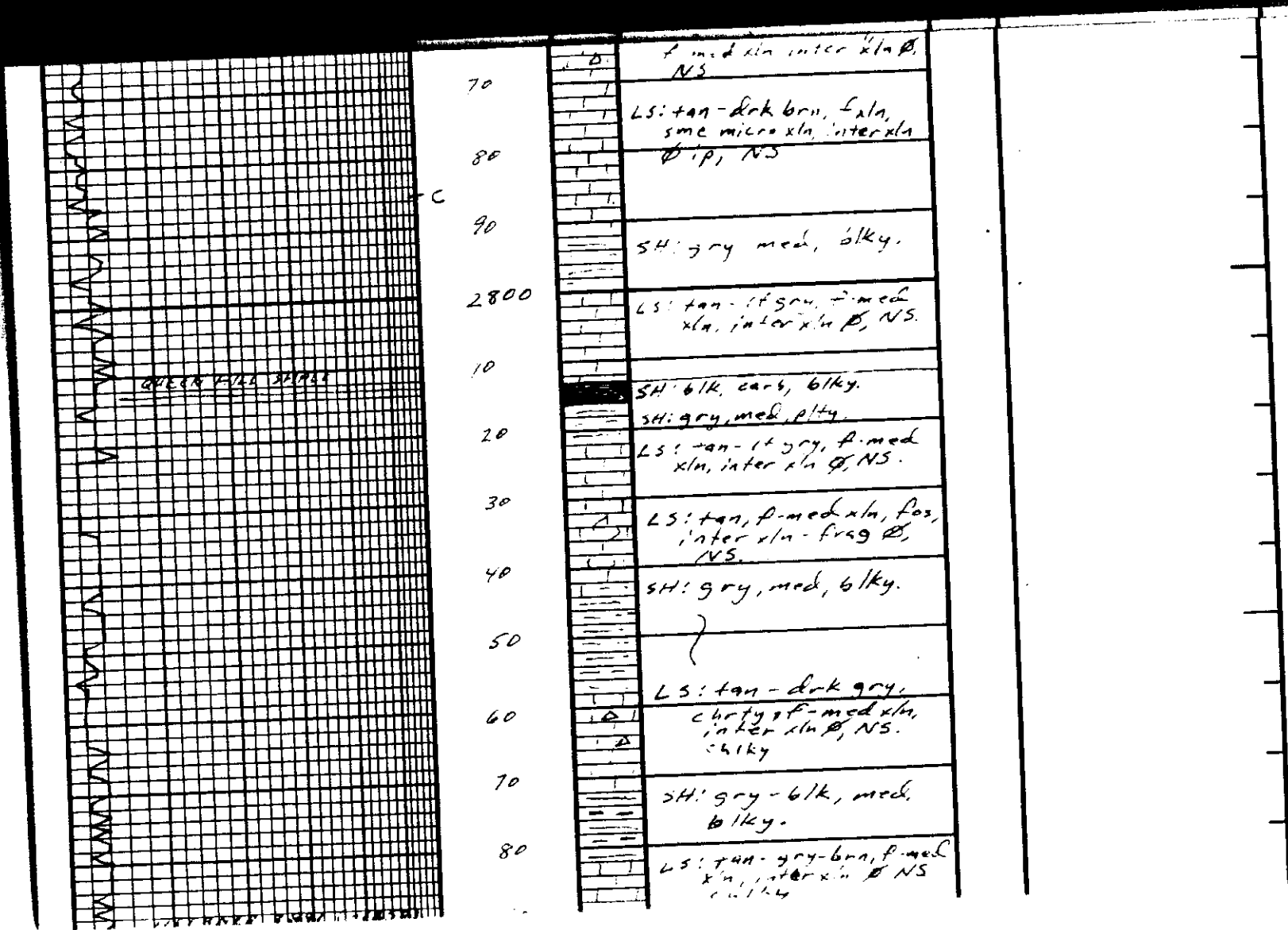
LS: SAB.

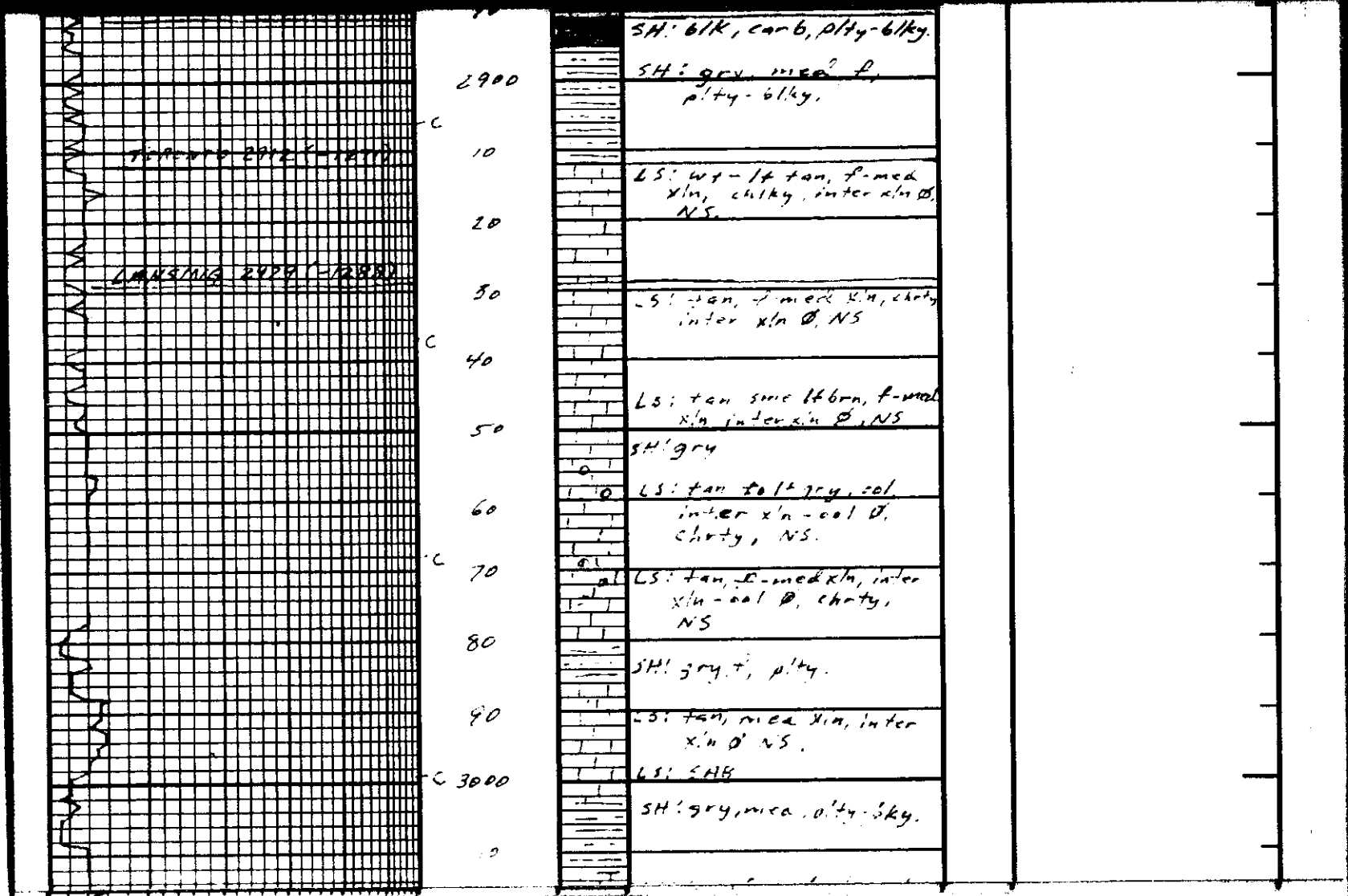
LS: gry - drk gry, f,  
plty - blk, inter xln  
NS.

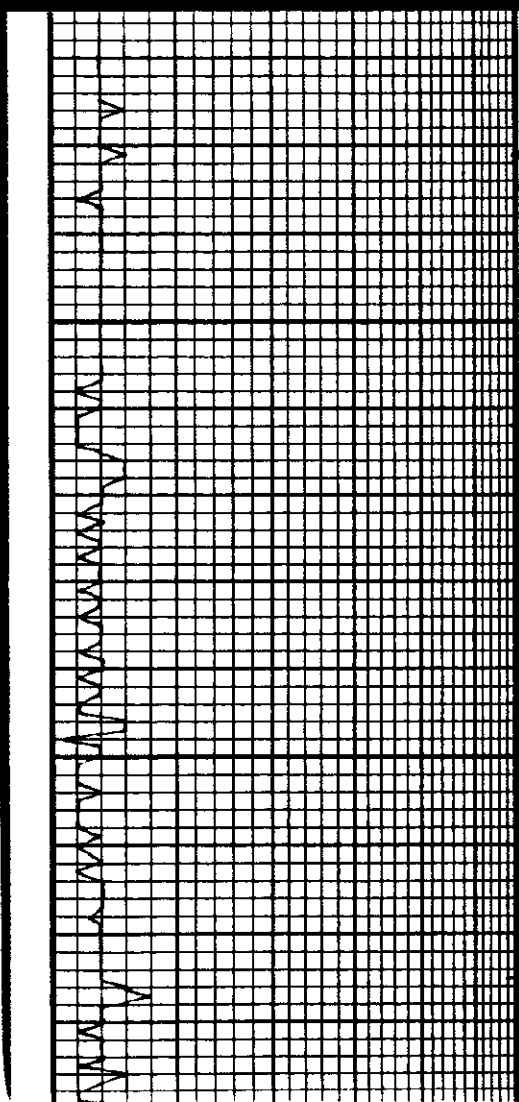
SH: gry, f, plty - blk

LS: tan-lt gry med  
xln, inter xln Ø, fas,  
NS.

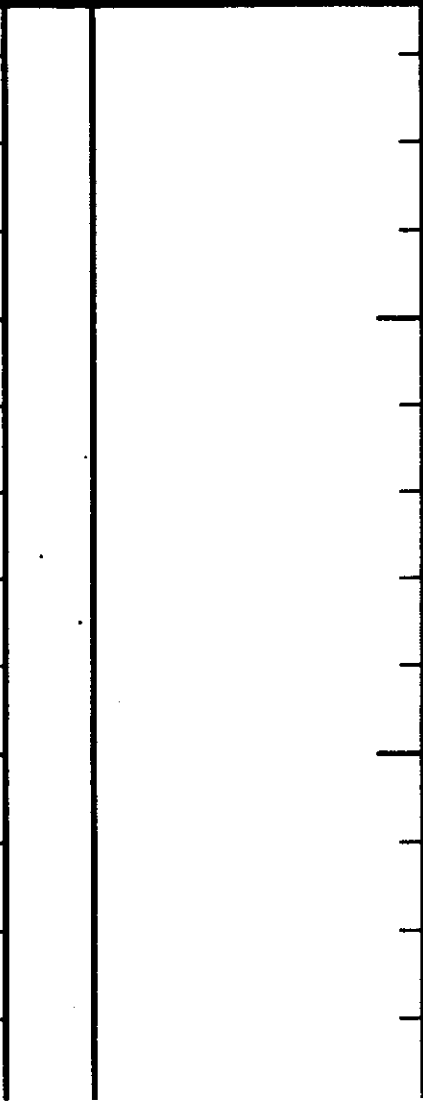








20	LS: tan, f med xln, ool- omoidic, inter xln ool- oom f, NS.
30	LS: SAB
40	SH: gray
50	LS: tan, f-med xln, inter- xln f, NS.
60	LS: tan, f-med xln, inter- xln f, NS.
70	LS: tan - lt brn, fine xln, inter xln f, NS.
80	LS: tan - lt brn, fine xln, inter xln f, NS.
90	SH: blk carb.
3100	LS: tan, some pinkish-red, f xln, some micro xln, VS.
10	LS: tan, inter xln f, col, VS
20	LS: tan - brn, med xln, VS
30	LS: tan - gray, med xln, inter xln f, VS



AL KANSAS CITY DIST. 1958

40

50

C

60

70

80

C

90

3200

10

C

20

30

40

C

50

60

SH: gry, brn, brn, altg-  
altg.

LS: tan f-s, inter xln-  
f-s, NS

LS: tan, cherty, abund.  
fusulinids, inter xln  
f, NS. STAFFELLAS

LS: SAB

LS: tan, f-med xln, inter  
xln f, NS.

SH: vari colrd,

LS: tan - lt brn, f-med  
xln, mot'd, inter xln  
NS

LS: SAB.

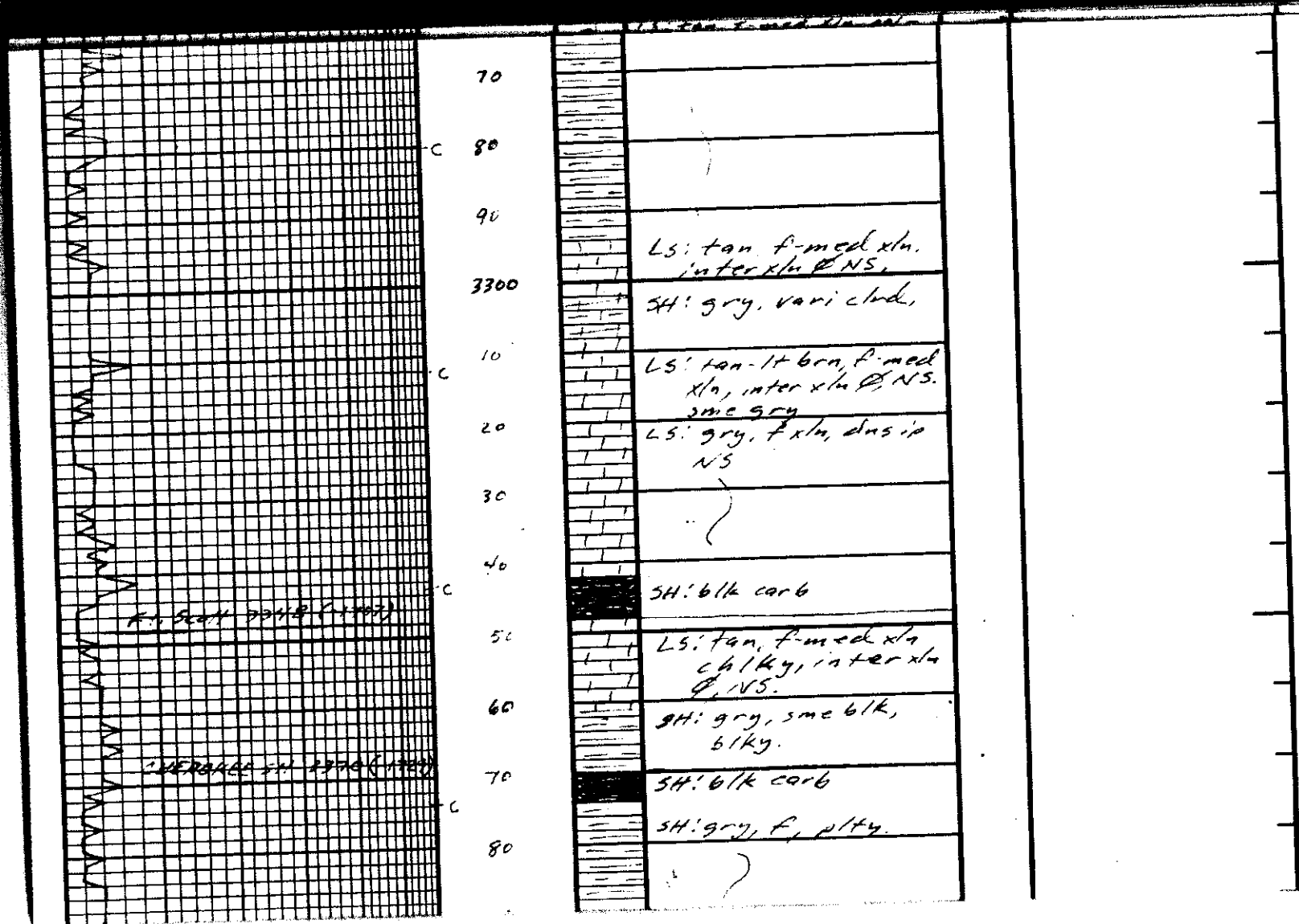
SH: blk, gry, blk.

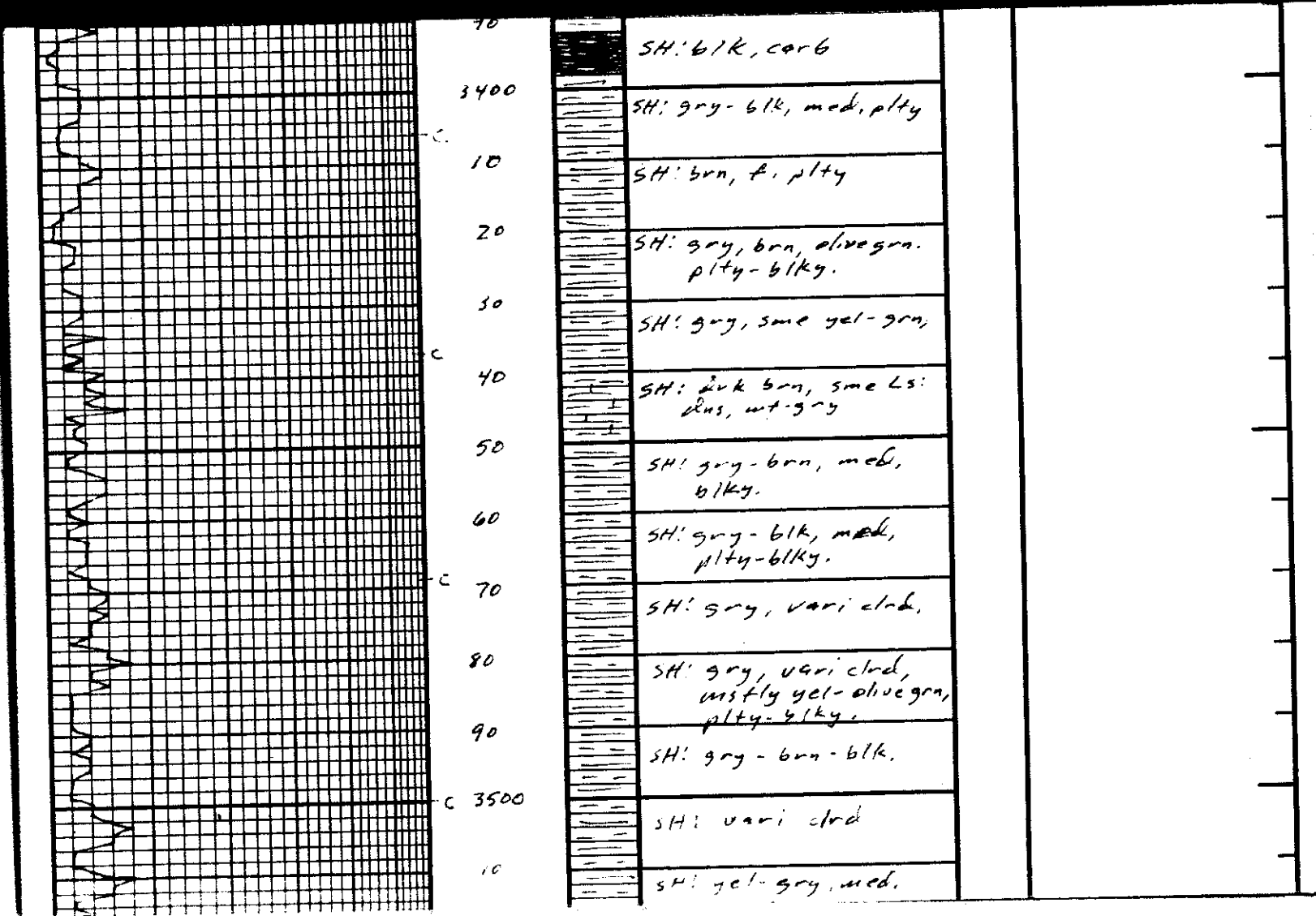
LS: tan, f-med xln, NS.

SH: blk, gry, sme grn,  
blk.

SH: gry, med, altg-blk.

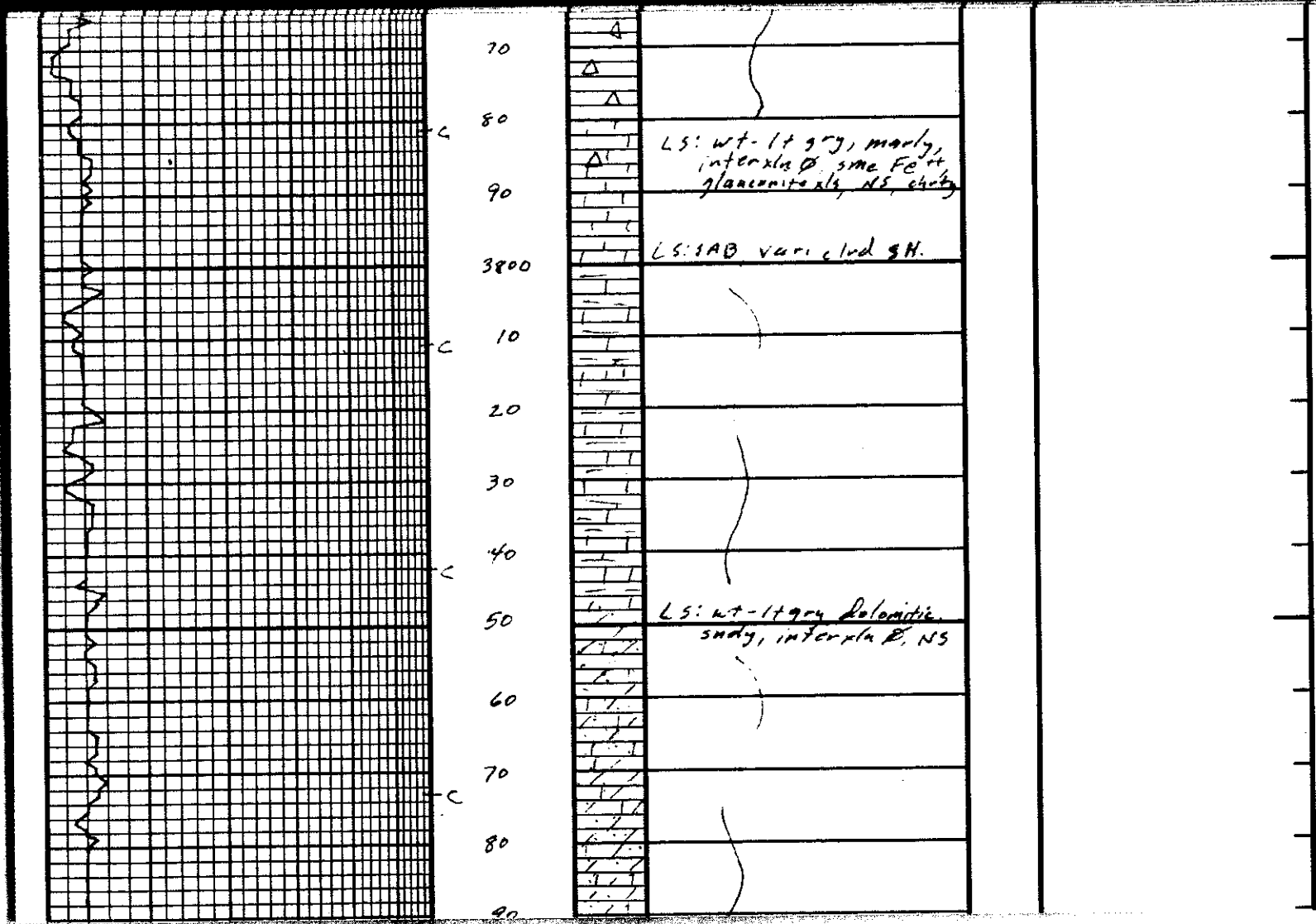


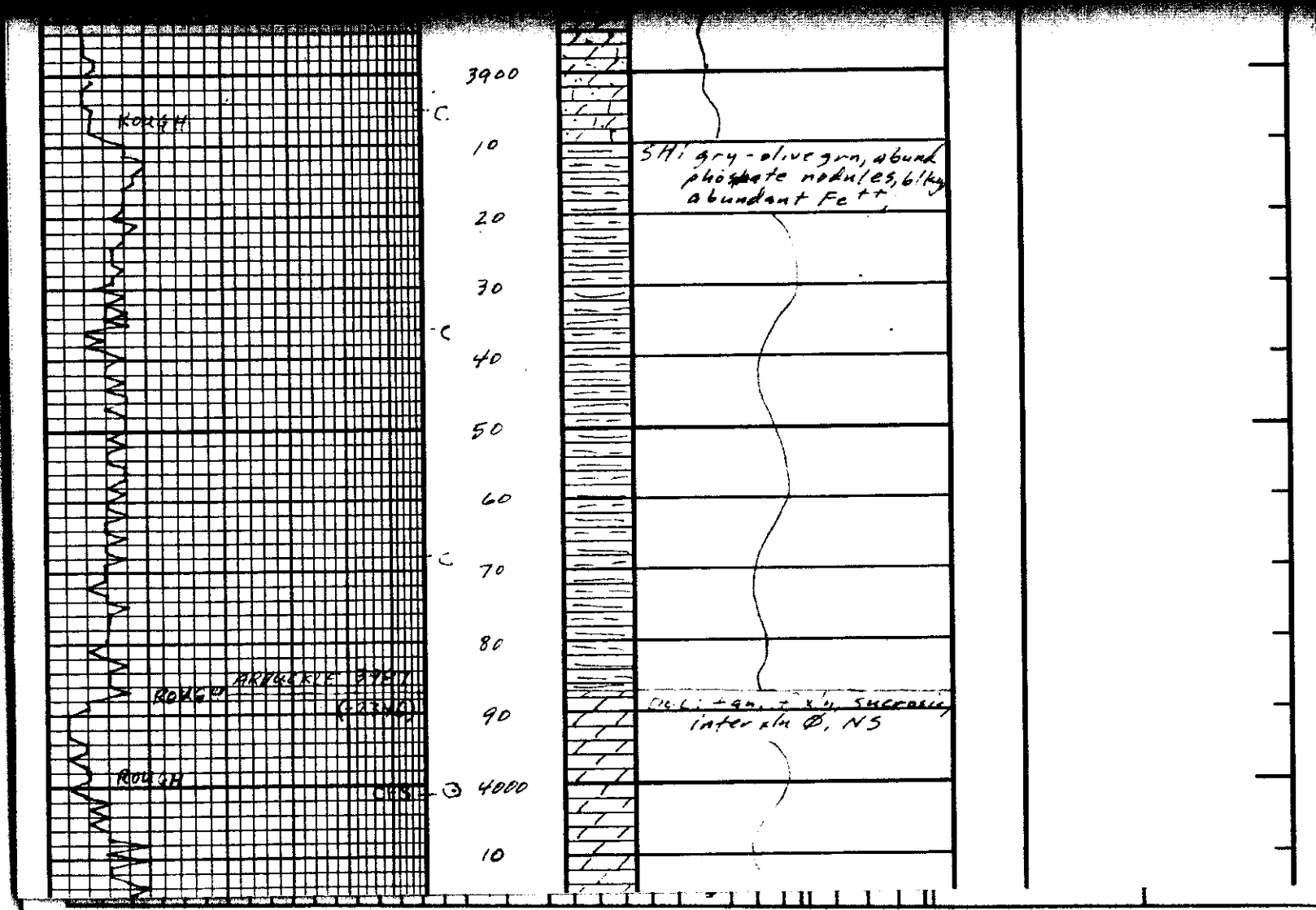












	20			
	30			
	40			
	50			
5" 10" 15" 20" 25" DRILLING TIME Minutes/Foot Rate of Penetration Decreases	DEPTH	LITHOLOGY	SAMPLE DESCRIPTIONS	OIL SHOWS
REMARKS				

CONTRACTOR White KNIGHT DRILLING LLC LOCATION \_\_\_\_\_  
 LEASE DOANE IP NONE SEC. 6 15 TWP 6 73.5 RNG 13W  
 ELEVATION KB 1641 RTD 4020 COUNTY OSBORNE STATE KANSAS