

KANSAS CORPORATION COMMISSION 1052307
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 # 30717
Name: Downing-Nelson Oil Co Inc
Address 1: PO BOX 372
Address 2: _____
City: HAYS State: KS Zip: 67601 + 0372
Contact Person: Michele Meier
Phone: (785) 621-2610
CONTRACTOR: License # 31548
Name: Discovery Drilling
Wellsite Geologist: Marc Downing
Purchaser: None

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SLOW
- 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 #: _____

<u>02/03/2011</u>	<u>02/08/2011</u>	<u>02/09/2011</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-145-21612-00-00

Spot Description: _____
NW NE SE SW Sec. 3 Twp. 20 S. R. 20 East West

1,290 Feet from North / South Line of Section

2,190 Feet from East / West Line of Section

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

County: Pawnee

Lease Name: JENNINGS Well #: 1-

Field Name: Wildcat

Producing Formation: None

Elevation: Ground: 2255 Kelly Bushing: 2263

Total Depth: 4462 Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: 522 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: 16000 ppm Fluid volume: 320 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: 03/16/2011



1052307

Operator Name: Downing-Nelson Oil Co Inc Lease Name: JENNINGS Well #: 1-
Sec. 3 Twp. 20 S. R. 20 East West County: Pawnee

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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Log Formation (Top), Depth and Datum	<input checked="" type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Name Attached	Top Attached Datum Attached
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 <i>(If no, Submit Copy)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No		

List All E. Logs Run:

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 Pipe	12.25	8.625	23	522	Common	250	2% Gel & 3% CC

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 <i>(Explain)</i> _____		
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5) (Submit ACO-4)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Downing-Nelson Oil Co Inc
Well Name	JENNINGS 1-
Doc ID	1052307

Tops

Name	Top	Datum
Top Anhydrite	1437	+826
Base Anhydrite	1470	+793
Heebner	3750	-1487
LKC	3800	-1537
BKC	4094	-1831
Fort Scott	4258	-1995
Cherokee Shale	4275	-2012
Sherokee Sand	4302	-2039
Mississippi	4375	-2112
Osage	4392	-2129
Gilmore City	4452	-2189

ALLIED CEMENTING CO., LLC. 038652

ATTN: P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT: 40

DATE <u>2-3-11</u>	SEC <u>3</u>	TWP. <u>20</u>	RANGE <u>20</u>	CALLED OUT <u>4:00 PM</u>	ON LOCATION <u>7:00 PM</u>	JOB START <u>7:30 AM</u>	JOB FINISH <u>11:00 AM</u>
WELL # <u>1-3</u>		LOCATION <u>Alex Zouder 95 1/2 EN/5</u>			COUNTY <u>Pawnee</u>	STATE <u>K.S.</u>	
OLD OR <input checked="" type="radio"/> NEW (Circle one)							

CONTRACTOR Discovery Rig 4

TYPE OF JOB Surface

HOLE SIZE 12 1/2 T.D. 523 #

CASING SIZE 8 1/2 DEPTH 522 #

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX 800 # MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. _____

PERFS. 42 #

DISPLACEMENT 30 1/2 bbl

EQUIPMENT

OWNER _____

CEMENT AMOUNT ORDERED 250 # Comm 32cc 28 gal

COMMON	<u>250</u>	@	<u>13.50</u>	<u>3.375.00</u>
POZMIX		@		
GEL	<u>5</u>	@	<u>20.25</u>	<u>101.25</u>
CHLORIDE	<u>8</u>	@	<u>51.50</u>	<u>412.00</u>
ASC		@		
		@		
		@		
		@		
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>250</u>	@	<u>2.25</u>	<u>562.50</u>
MILEAGE	<u>250 x 19 x .10</u>			<u>475.00</u>
TOTAL				<u>4.925.25</u>

PUMP TRUCK CEMENTER Mike M

224 HELPER Bobby R

BULK TRUCK

482 DRIVER Bill

BULK TRUCK

_____ DRIVER _____

REMARKS:

Rig run 8 1/2 Surface 9 1/2
circulate the hole
mix cement + then displace
it down cement did circulate
to surface

CHARGE TO: Dowling + Nelson oil

STREET _____

CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB	<u>522 #</u>			
PUMP TRUCK CHARGE				<u>991.00</u>
EXTRA FOOTAGE		@		
MILEAGE	<u>19</u>	@	<u>7.00</u>	<u>133.00</u>
MANIFOLD		@		
		@		
		@		
TOTAL				<u>1124.00</u>

PLUG & FLOAT EQUIPMENT

<u>1-8 1/2 Brass plate</u>	@	<u>67.30</u>	<u>67.30</u>
<u>1-8 1/2 Rubber Plug</u>	@	<u>74.00</u>	<u>74.00</u>
	@		
	@		
	@		

Thank
you
ESG

To Allied Cementing Co., LLC.
You are hereby requested to rent cementing equipment
and furnish cementer and helper(s) to assist owner or

ALLIED CEMENTING CO., LLC. 038690

REMIT TO: P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:
Great Bend KS

DATE <u>2-9-11</u>	SEC. <u>3</u>	TWP. <u>20</u>	RANGE <u>20</u>	CALLED OUT	ON LOCATION	JOB START <u>6:00 AM</u>	JOB FINISH <u>7:00 PM</u>
LEASE <u>Jennings</u>		WELL # <u>1-3</u>		LOCATION <u>Alexzander - 9 South</u>		COUNTY <u>Pawnee</u>	STATE <u>KS</u>
OLD OR NEW (Circle one)			<u>1 1/2 East North 1-20</u>				

CONTRACTOR Discovery 4
 TYPE OF JOB Rotary Plug
 HOLE SIZE 7 7/8 T.D. 4462
 CASING SIZE _____ DEPTH _____
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE 4 1/2 DEPTH 1450
 TOOL _____ DEPTH _____
 PRES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOE JOINT _____
 CEMENT LEFT IN CSG. _____
 PERFS. _____
 DISPLACEMENT _____

OWNER Downing + Nelson
 CEMENT
 AMOUNT ORDERED 1805X 60/40 2% Gel
4 flo seal

COMMON	<u>108</u>	@	<u>13.50</u>	<u>1458.00</u>
POZMIX	<u>72</u>	@	<u>7.55</u>	<u>543.60</u>
GEL	<u>6</u>	@	<u>20.25</u>	<u>121.50</u>
CHLORIDE		@		
ASC		@		
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>180</u>	@	<u>2.25</u>	<u>405.00</u>
MILEAGE	<u>180 X 1.9 X .10</u>			<u>342.00</u>
			TOTAL	<u>2870.10</u>

EQUIPMENT

PUMP TRUCK CEMENTER Wayne-D
 # 366 HELPER Bob - Gary
 BULK TRUCK
 # 341 DRIVER B:11
 BULK TRUCK
 # _____ DRIVER _____

REMARKS:

1st plug 1450 mix 50SX
2nd plug 600 mix 60SX
3rd plug 60 mix 20SX
Rat 30SX
Mouse 20SX

SERVICE

DEPTH OF JOB			
PUMP TRUCK CHARGE			<u>991.00</u>
EXTRA FOOTAGE		@	
MILEAGE	<u>19.</u>	@	<u>7.00</u> <u>133.00</u>
MANIFOLD		@	
		@	
			TOTAL <u>1124.00</u>

PLUG & FLOAT EQUIPMENT

		@	
		@	
		@	
		@	
		@	

CHARGE TO: Downing + Nelson
 STREET _____
 CITY _____ STATE _____ ZIP _____

To Allied Cementing Co., LLC.
 You are hereby requested to rent cementing equipment
 and furnish cementer and helper(s) to assist owner or

DRILL STEM TESTS










No.	Interval	IPF/Time	ISP/Time	FPF/Time	FSI/Time	HH-HH	RECOVERY

REMARKS AND RECOMMENDATIONS: Seismic correct. little to sand encountered all light and no seams

Alfred Brown

7515

LEGEND

- 
Anhydrite
- 
Salt
- 
Sandstone
- 
Shale
- 
Carb sh
- 
Limestone
- 
Col. Lime
- 
Chert
- 
Dolomite

DRILLING TIME IN MINUTES PER FOOT
Rate of Penetration Decreases

5" 10" 15" 20" 25"

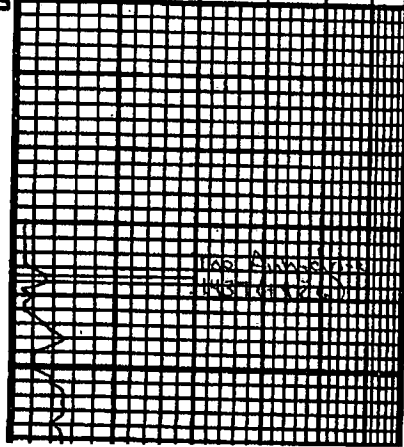
DEPTH

LITHOLOGY

SAMPLE DESCRIPTIONS

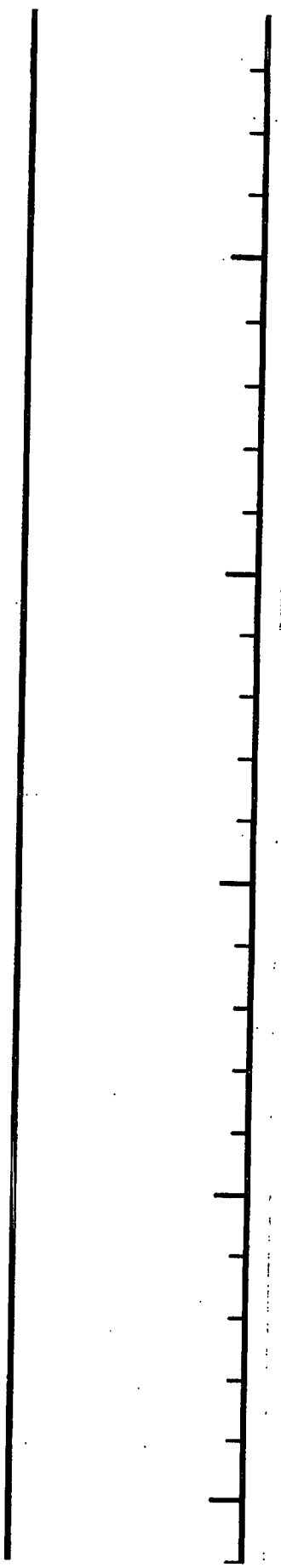
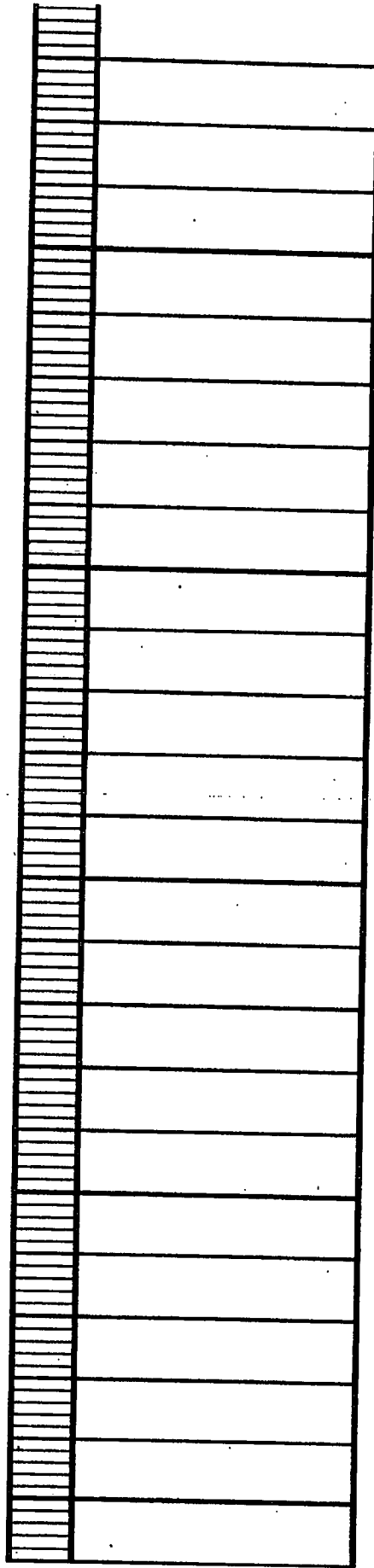
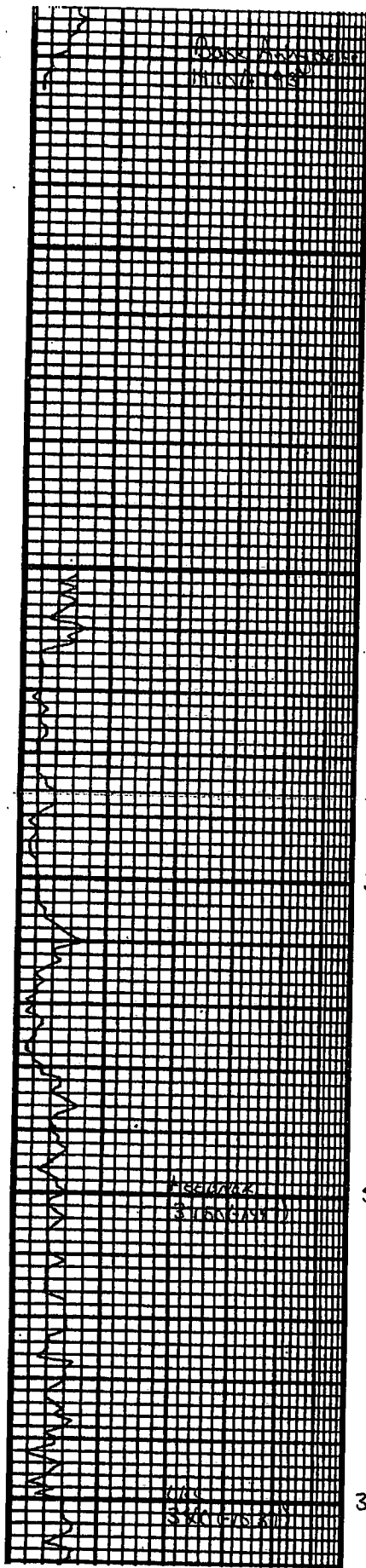
OIL SHOWS

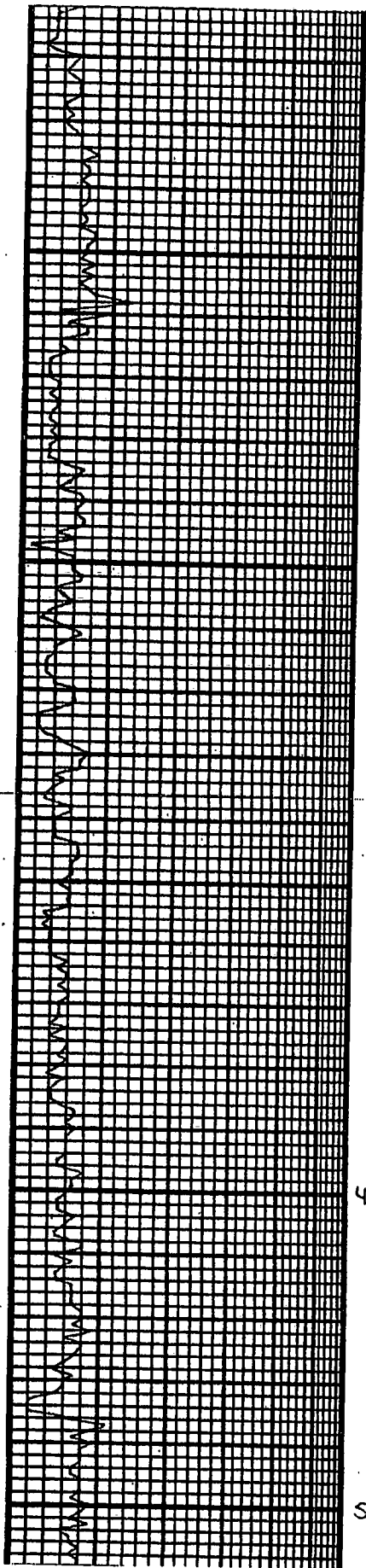
REMARKS



1450

LOG 7710





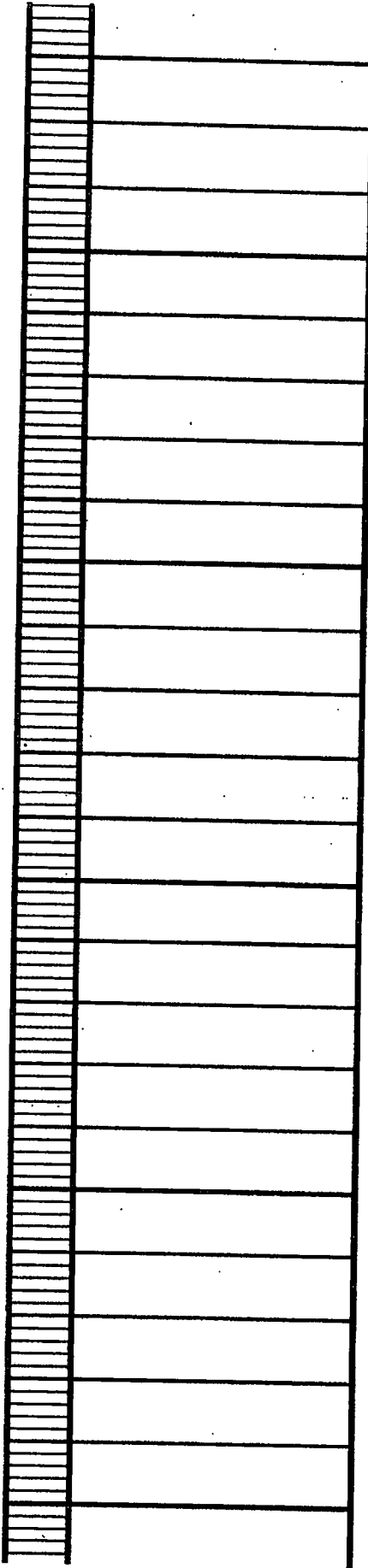
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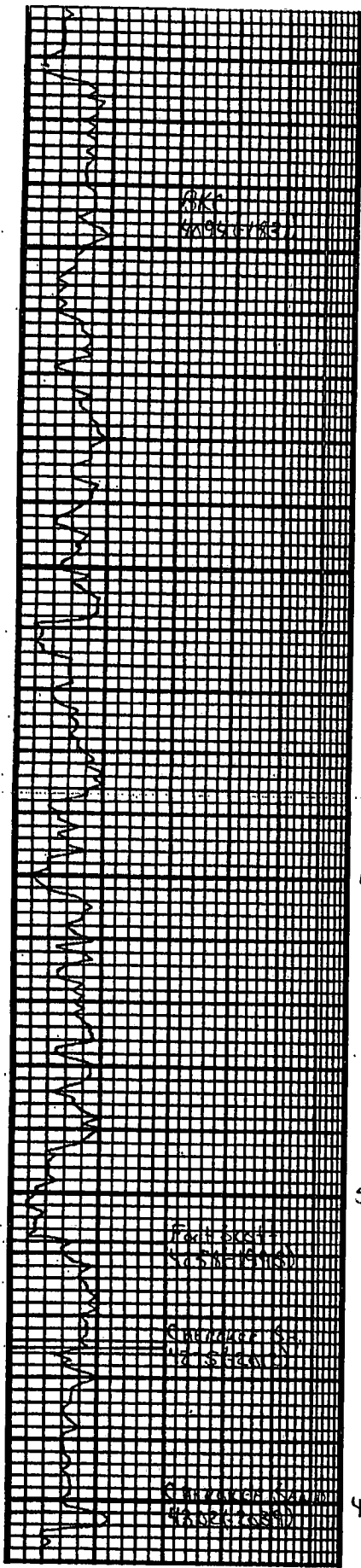
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50

4000

50





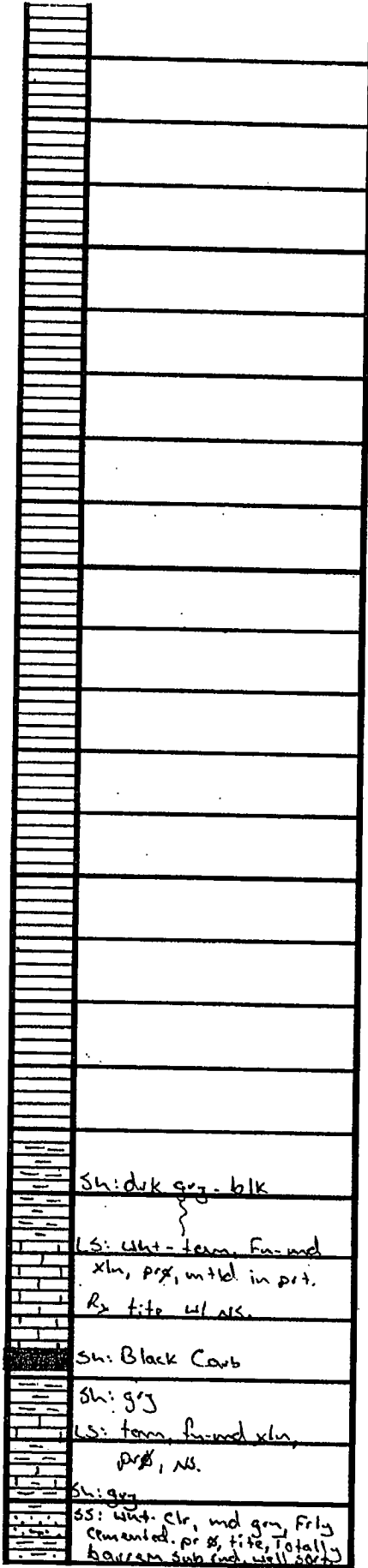
4100

50

4200

50

4300



Sh: dk grey - blk

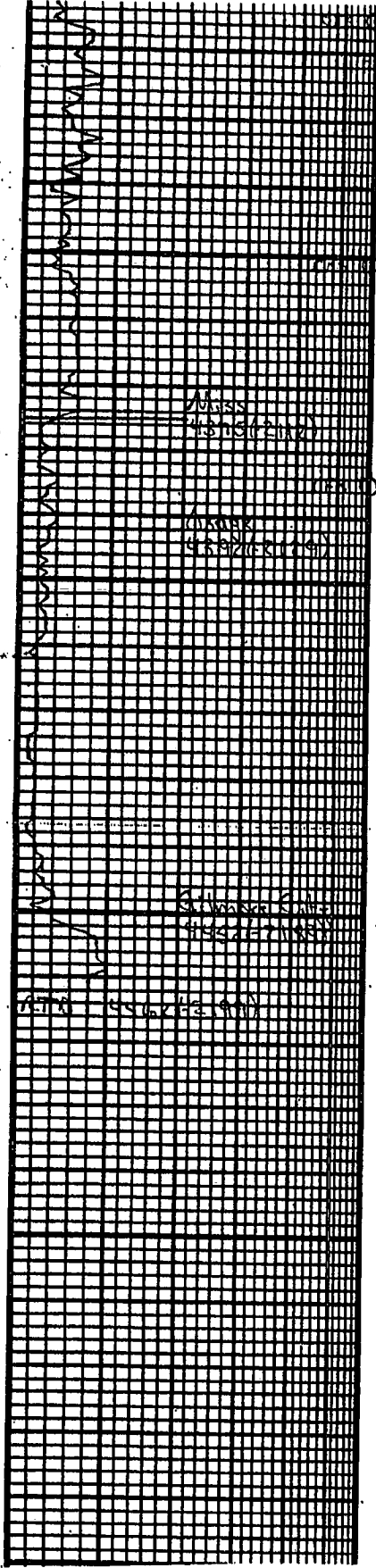
LS: wht - tan, fine med
xln, prg, mtd in pit.
R: fine w/ ns.

sh: Black Carb

sh: g'g
LS: tan, fine med xln,
prg, ns.

sh: grey
SS: wht. clr, med grey, fine
cemented, pr ss, fine, totally
barren sub med well sort





few pebbles in, long in, but
 w/ gyg.
 Seat sh AIA w/ tan - wht
 LS, mtd, prg, ns.
 LS: AIA, prg, dms.
 Fe amt red-brown sh w/
 2-3 ss chert. md gm, sub
 ang, well sort. prg, fite,
 barren some arg chert
 sh: red-brown, washes
 red.
 sh: AIA w/ few prg
 yel sh.
 chert: mostly yel-tan,
 some wht & clr. Fr %
 Totally barren
 chert: some yel AIA long
 wht sh, fresh trip in
 prt. Totally barren
 chert: Mostly wht shert
 fresh, trip in prt. Seat yel
 & tan prg. All AIA show
 chert: wht, fresh & sh,
 trip, friable.
 Totally barren
 }
 LS: tan - wht, fu - v fu
 xln, prg, dms

 Mauderig

