  
**KANSAS CORPORATION COMMISSION**      1052277  
**OIL & GAS CONSERVATION DIVISION**  
**WELL COMPLETION FORM**  
**WELL HISTORY - DESCRIPTION OF WELL & LEASE**

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

OPERATOR: License # 30717  
 Name: Downing-Nelson Oil Co Inc  
 Address 1: PO BOX 1019  
 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: Alan Downing  
 Purchaser: None

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 #: \_\_\_\_\_  

<u>2/4/2011</u>	<u>2/9/2011</u>	<u>2/10/2011</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-195-22696-00-00  
 Spot Description: \_\_\_\_\_  
NE NW SE SE Sec. 3 Twp. 14 S. R. 21  East  West  
1,310 Feet from  North /  South Line of Section  
710 Feet from  East /  West Line of Section  
 Footages Calculated from Nearest Outside Section Corner:  
 NE       NW       SE       SW  
 County: Trego  
 Lease Name: LTD Well #: 3-3  
 Field Name: Smoky Bluff  
 Producing Formation: None  
 Elevation: Ground: 2284 Kelly Bushing: 2292  
 Total Depth: 4117 Plug Back Total Depth: \_\_\_\_\_  
 Amount of Surface Pipe Set and Cemented at: 648 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: 15000 ppm Fluid volume: 240 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



1052277

Operator Name: Downing-Nelson Oil Co Inc Lease Name: LTD Well #: 3-3  
 Sec. 3 Twp. 14 S. R. 21  East  West County: Trego

**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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run:  <small>Micro Dual Induction Compensated Density Neutron</small>	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum Attached Attached Attached
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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	648	Common	250	2% Gel & 3% CC

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> 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

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 Bbbls.	Gas Mcf	Water Bbbls. 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)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Downing-Nelson Oil Co Inc
Well Name	LTD 3-3
Doc ID	1052277

Tops

Name	Top	Datum
Top Anhydrite	1658	+635
Base Anhydrite	1705	+588
Topeka	3363	-1070
Heebner	3600	-1307
Toronto	3618	-1325
LKC	3637	-1344
BKC	3886	-1593
Marmaton	3964	-1671
Cherokee Shale	4007	-1714
Arbuckel	4028	-1735

# ALLIED CEMENTING CO., LLC. 039776

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

SERVICE POINT:  
OAKLEY

DATE <u>2-10-11</u>	SEC <u>3</u>	TWP. <u>14S</u>	RANGE <u>21W</u>	CALLED OUT	ON LOCATION <u>7:00 AM</u>	JOB START <u>2:00 PM</u>	JOB FINISH <u>2:30 PM</u>
LEASE <u>LTD</u>		WELL# <u>3-3</u>		LOCATION <u>R29A 75-1E-3/4W-W IN</u>		COUNTY <u>TREGO</u>	STATE <u>KS</u>
OLD OR <input checked="" type="radio"/> NEW (Circle one)							

CONTRACTOR <u>DISCOVERY DRG #3</u>	OWNER <u>SAME</u>
TYPE OF JOB <u>PTA</u>	
HOLE SIZE <u>7 7/8"</u>	T.D. <u>4117'</u>
CASING SIZE	DEPTH
TUBING SIZE	DEPTH
DRILL PIPE <u>4 1/2"</u>	DEPTH <u>4008'</u>
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG.	
PERFS.	
DISPLACEMENT	

CEMENT  
AMOUNT ORDERED 205 SKS 60/40 P02 4.2 GEL  
1/4" FLO-SCAL

COMMON	<u>123 SKS</u>	@	<u>13.50</u>	<u>1660.50</u>
POZMIX	<u>82 SKS</u>	@	<u>7.55</u>	<u>619.10</u>
GEL	<u>7 SKS</u>	@	<u>20.25</u>	<u>141.75</u>
CHLORIDE		@		
ASC		@		
		@		
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>212 SKS</u>	@	<u>2.25</u>	<u>477.00</u>
MILEAGE	<u>104 PER SK / MILE</u>			<u>848.00</u>
TOTAL				<u>3871.30</u>

**EQUIPMENT**

PUMP TRUCK	CEMENTER	<u>TERRY</u>
# <u>431</u>	HELPER	<u>DARREN</u>
BULK TRUCK		
# <u>394</u>	DRIVER	<u>TERRY</u>
BULK TRUCK		
#	DRIVER	

**REMARKS:**

- 25 SKS AT 4008'
- 25 SKS AT 1683'
- 60 SKS AT 834'
- 40 SKS AT 698'
- 10 SKS AT 40'
- 15 SKS MOUSE HOLE
- 30 SKS RAT HOLE

*THANK YOU*

**SERVICE**

DEPTH OF JOB			<u>4008</u>	
PUMP TRUCK CHARGE				<u>1159.00</u>
EXTRA FOOTAGE		@		
MILEAGE	<u>40 ME</u>	@	<u>7.00</u>	<u>280.00</u>
MANIFOLD		@		
		@		
		@		
TOTAL				<u>1439.00</u>

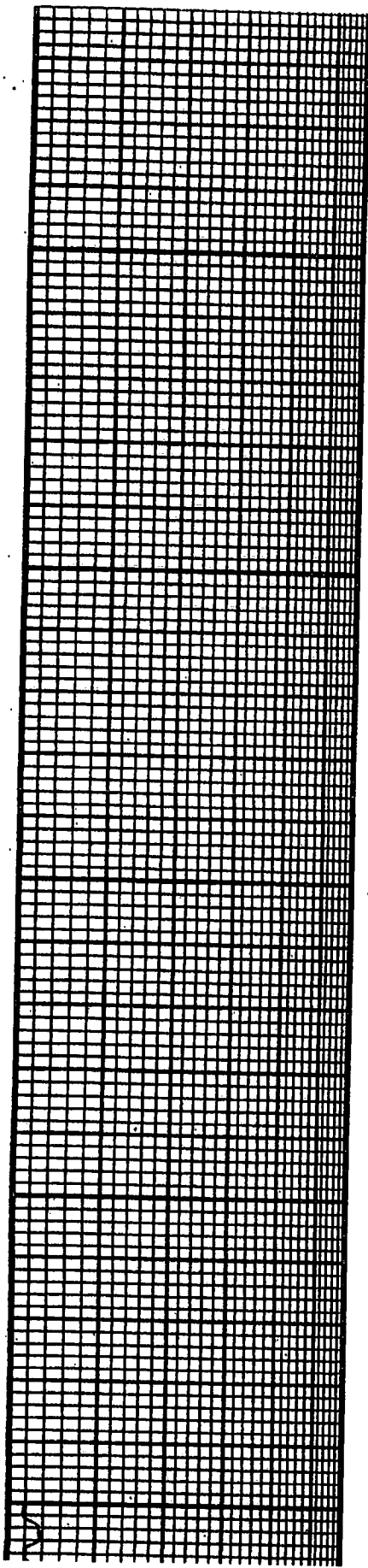
**PLUG & FLOAT EQUIPMENT**

1- DRY Hole Plug				<u>39.00</u>
		@		
		@		
		@		
		@		
		@		

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



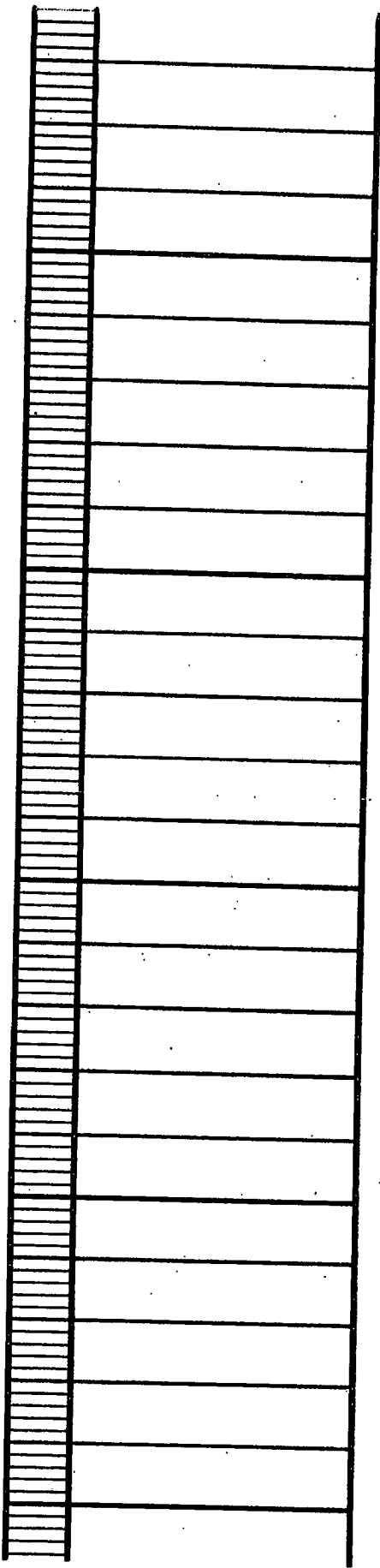


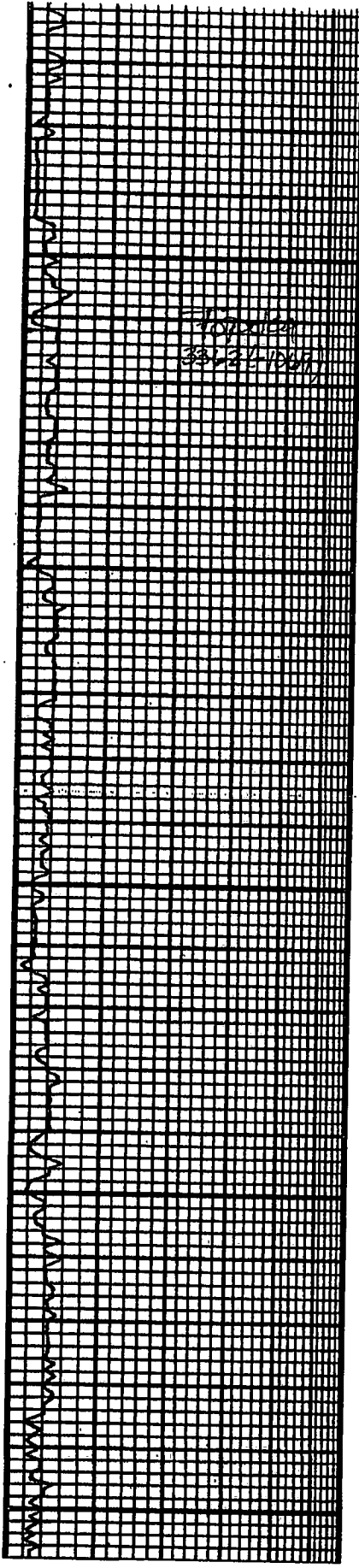


3200

50

3300





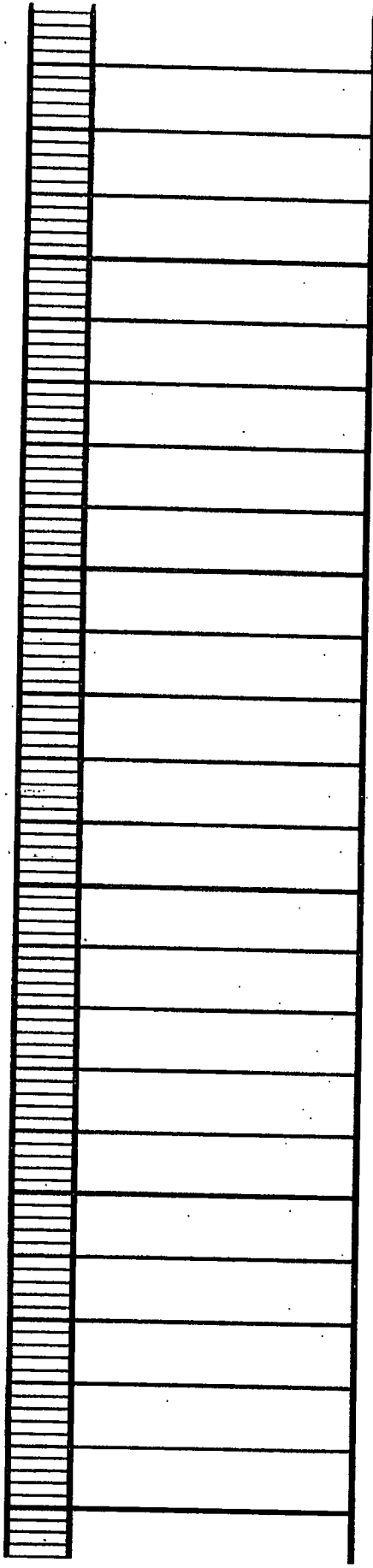
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3400

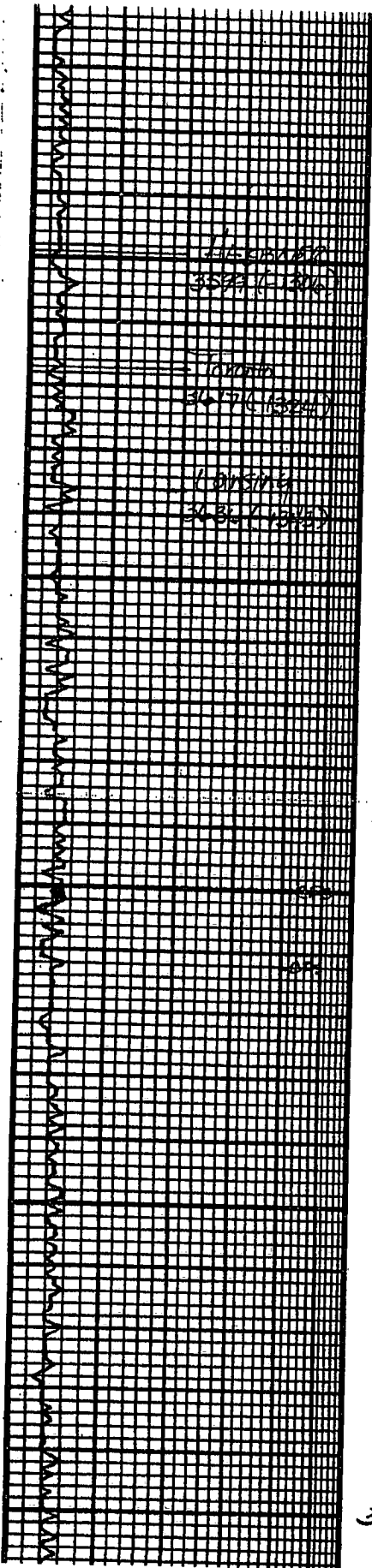
50

3500

50







3600

sn: Black - carb  
Ls: wht vfn, v. dse

Sh: gm- Brown, trace  
Zd  
Ls: Tan fm - subxn  
chky in pt Ns, scatt.  
v. slt. intermd  
sn: Brown v. lite gm

Ls: wht fm col Ns.

50

Ls: Tan fm w/ scatt  
in mineral str (Bm) Ns w/  
fawpxs wht & chrt

sn: v. dark gm  
Ls: wht-Clr fm dolo. w/ shaw  
Hvy tany oil - No odor some  
v. Bl. in lv intermd of oil v.  
shaly - v. Black.

Sh: gm  
Ls: Tan fm w/ scatt base of v.  
spt. str Ns FD - No odor.

3700

D  
S  
T  
#  
1

sn: v. dark gm - Black  
Ls: wht fm ool - w/ fm ool-d  
v. spt str Ns FD - chalky to  
subxn - No odor

Ls: Tan fm dolo. w/ good  
intermd Ns - No odor

Ls: Tan ool wht fm w/ spt  
faw of Lt. spt. str Ns FD  
No odor.

50

Ls: wht Bone wht f. - v. fm  
w/ fm pres wht & chrt  
and scatt gm silty sh.

sn: Black - carb

sh: gm - Brown

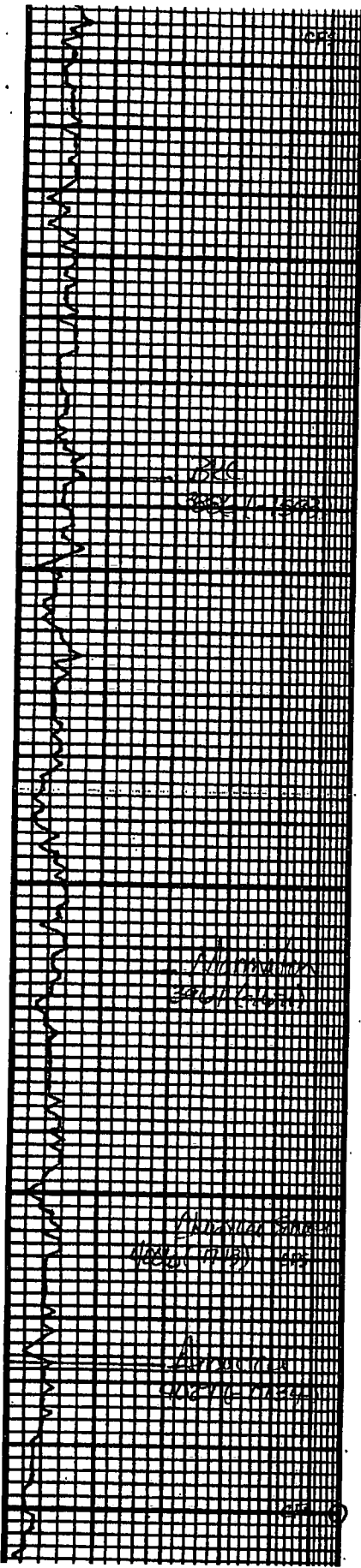
Ls: Tan fm - subxn w/ ab  
& Ns all fine w/ fm &  
)

3800

Ls: wht f. - v. fm w/ fine pp &  
inter ool. Lt. spt str v. fm  
spt in v. fine fcs - No odor  
all mostly, fcs. 1-2 pgs

V. 52  
wt 9.0  
wl 9.2

DST #1  
3696-3714  
straddle test  
30-30-30-30.  
Zc: 10' mud  
IHP: 1879 #  
FFP: 15-18 #  
FFP: 18-20 #  
SIP: 729-589 #  
FHP: 1794 #  
Temp: 106° F



50

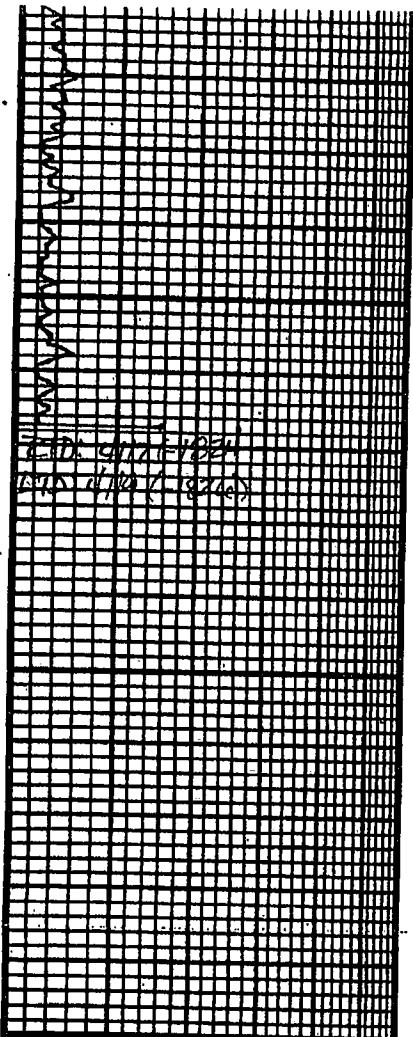
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50

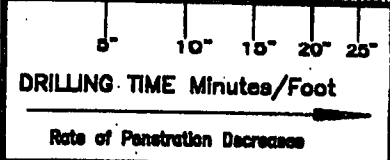
4000

50

Sh: gm-
Ls: wht fm ool w scatt calcitic d Lt. sp. stn NSFB No odor - some silt chky
Sh: v. dark gm - Black carb
Ls: Tan - off wht fm w scatt interm of NS Totally Barren chky to subxn
Sh: v. dark gm
Ls: wht L. subxn chky in part No show -
}
Sh: gm- Red - Brown w silty wht ls. lenses
Ls: Tan, silty - some v DSE
Sh: Red - Brown - gm
Ls: Tan fm clst
Sh: Brown - drk gm
Ls: Tan fm w few pcs orange & chert
Sh: Red - Brown
Ls: Tan L. V. fm w few pcs tan chert NS
Sh: gm
Ls: Achrom. Tan - orange - Red w scatt edge stn NSFB No od some stringers d. dark chert
Sh: Black - carb
Achrom. Tan - yellow, some Red w No show wash few w stringers (cong) No vis sand
Dolo: wht Lt. Tan A-mix from w fite interspersed w Lt. SFB - v. faint odor
Dolo: Lm. Tan fm w spec' mixing Lt. SFB No odor
ss: fine cl. clusters v. glauc. No show all Barren
Sh: Reddish - Brown.



4100



DEPTH

LITHOLOGY

SAMPLE DESCRIPTIONS

OIL SHOWS

REMARKS

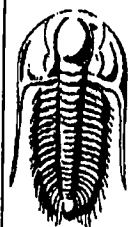
1000: Tan fin sucrose  
 lite NSFO - No odor Totally  
 Barren  
 1200: Tan fin suc + Rhom  
 lite NSFO - Bare -  
 in. Reddish Brown  
 1300: Whit f. mica Rhom  
 ind good int. xln of No show  
 sand gilsonite + heavy tar  
 No oil: mostly all Barren

No showing

CONTRACTOR Discussions Drilling Rig #3  
 LEASE LTD #3-3 IP Dry  
 ELEVATION 2293 KB RTD 417

LOCATION 730' FSL - 1310' FSL  
 SEC 3 TWP 14s RNG 21w  
 COUNTY Trego STATE Ks





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

DNOC

LTD 3-3

PO Box 372

3-14-21/Trego

Hays, Ks

Job Ticket: 41779

DST#: 1

67601

ATTN: Al Dow ning

Test Start: 2011.02.09 @ 21:30:41

### Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 52.00 sec/qt

Water Loss: 9.58 in<sup>3</sup>

Resistivity: ohm.m

Salinity: 4000.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: deg API

ppm

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	mud 100%	0.049

Total Length: 10.00 ft      Total Volume: 0.049 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

