



KANSAS CORPORATION COMMISSION 1067190
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 1019
Address 2: _____
City: HAYS State: KS Zip: 67601 + _____
Contact Person: Ron Nelson
Phone: (785) 621-2610
CONTRACTOR: License # 31548
Name: Discovery Drilling
Wellsite Geologist: Ron Nelson
Purchaser: _____

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>10/27/2011</u>	<u>11/04/2011</u>	<u>11/05/2011</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-051-26181-00-00

Spot Description: _____
SW SW NE SW Sec. 31 Twp. 14 S. R. 20 East West

1570 Feet from North / South Line of Section

1570 Feet from East / West Line of Section

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

County: Ellis

Lease Name: Ramona Well #: 1-31

Field Name: _____

Producing Formation: None

Elevation: Ground: 2057 Kelly Bushing: 2065

Total Depth: 3910 Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: 1200 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: Hauled to Disposal

Location of fluid disposal if hauled offsite: _____

Operator Name: Blackhawk Production Company

Lease Name: Brull License #: 32504

Quarter NE Sec. 30 Twp. 14 S. R. 18 East West

County: Ellis Permit #: D26232

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 Gerrits Date: 01/13/2012



1067190

Operator Name: Downing-Nelson Oil Co Inc Lease Name: Ramona Well #: 1-31
 Sec. 31 Twp. 14 S. R. 20 East West County: Ellis

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: Attached	<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	8.6250	23	1200	Common	450	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 (Explain) _____	
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 (Specify) _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Downing-Nelson Oil Co Inc
Well Name	Ramona 1-31
Doc ID	1067190

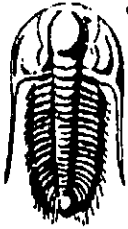
All Electric Logs Run

Micro
Sonic
Dual Induction
Compensated Density/Neutron

Form	ACO1 - Well Completion
Operator	Downing-Nelson Oil Co Inc
Well Name	Ramona 1-31
Doc ID	1067190

Tops

Top Anhydrite	1386'	+679
Base Anhydrite	1424'	+642
Topeka	3122'	-1056
Heebner	3374'	-1308
Toronto	3396'	-1330
LKC	3414'	-1348
BKC	3662'	-1596
Marmaton	3744'	-1678
Cherokee Shale	3785'	-1719
Arbuckle	3853'	-1787



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Downing Nelson Oil Co Inc

31-14-20 Ellis, Ks

PO Box 1019
Hays, Ks 67601

Ramona 1-31

Job Ticket: 44727

DST#: 1

ATTN: Gator

Test Start: 2011.11.04 @ 21:12:42

GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 22:49:42

Time Test Ended: 04:07:12

Test Type: **Conventional Straddle (Initial)**

Tester: **Brian Fairbank**

Unit No: **41**

Interval: **3746.00 ft (KB) To 3765.00 ft (KB) (TVD)**

Reference Elevations: **2065.00 ft (KB)**

Total Depth: **3911.00 ft (KB) (TVD)**

2057.00 ft (CF)

Hole Diameter: **7.88 inches** Hole Condition: **Good**

KB to GR/CF: **8.00 ft**

Serial #: 8734 **Outside**

Press@RunDepth: **31.54 psig @ 3750.00 ft (KB)**

Capacity: **8000.00 psig**

Start Date: **2011.11.04**

End Date:

2011.11.05

Last Calib.: **2011.11.05**

Start Time: **21:12:43**

End Time:

04:07:12

Time On Btm: **2011.11.04 @ 22:48:12**

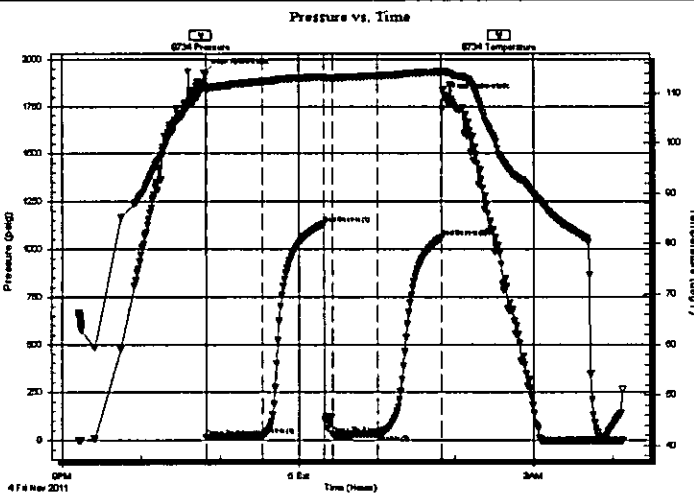
Time Off Btm: **2011.11.05 @ 01:52:42**

TEST COMMENT: IFP - weak blow throughout 1/2" - 1 1/2"

ISI - no blow back

FFP - no blow 8 min - sur blow

FSI - no blow back



PRESSURE SUMMARY

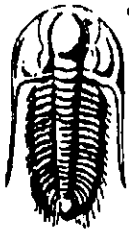
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1929.42	111.03	Initial Hydro-static
2	14.70	110.60	Open To Flow (1)
45	25.20	112.28	Shut-In(1)
91	1132.04	113.19	End Shut-In(1)
98	30.87	112.97	Open To Flow (2)
133	31.54	113.40	Shut-In(2)
181	1057.94	114.21	End Shut-In(2)
185	1797.48	114.18	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
18.00	SOCM 5%O, 95%M	0.09
2.00	FREE OIL 95%O, 5%M	0.01

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Downing Nelson Oil Co Inc

31-14-20 Ellis, Ks

PO Box 1019
Hays, Ks 67601

Ramona 1-31

Job Ticket: 44727

DST#: 1

ATTN: Gator

Test Start: 2011.11.04 @ 21:12:42

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

26 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
18.00	SOCM 5%O, 95%M	0.089
2.00	FREE OIL 95%O, 5%M	0.010

Total Length: 20.00 ft

Total Volume: 0.099 bbl

Num Fluid Samples: 0

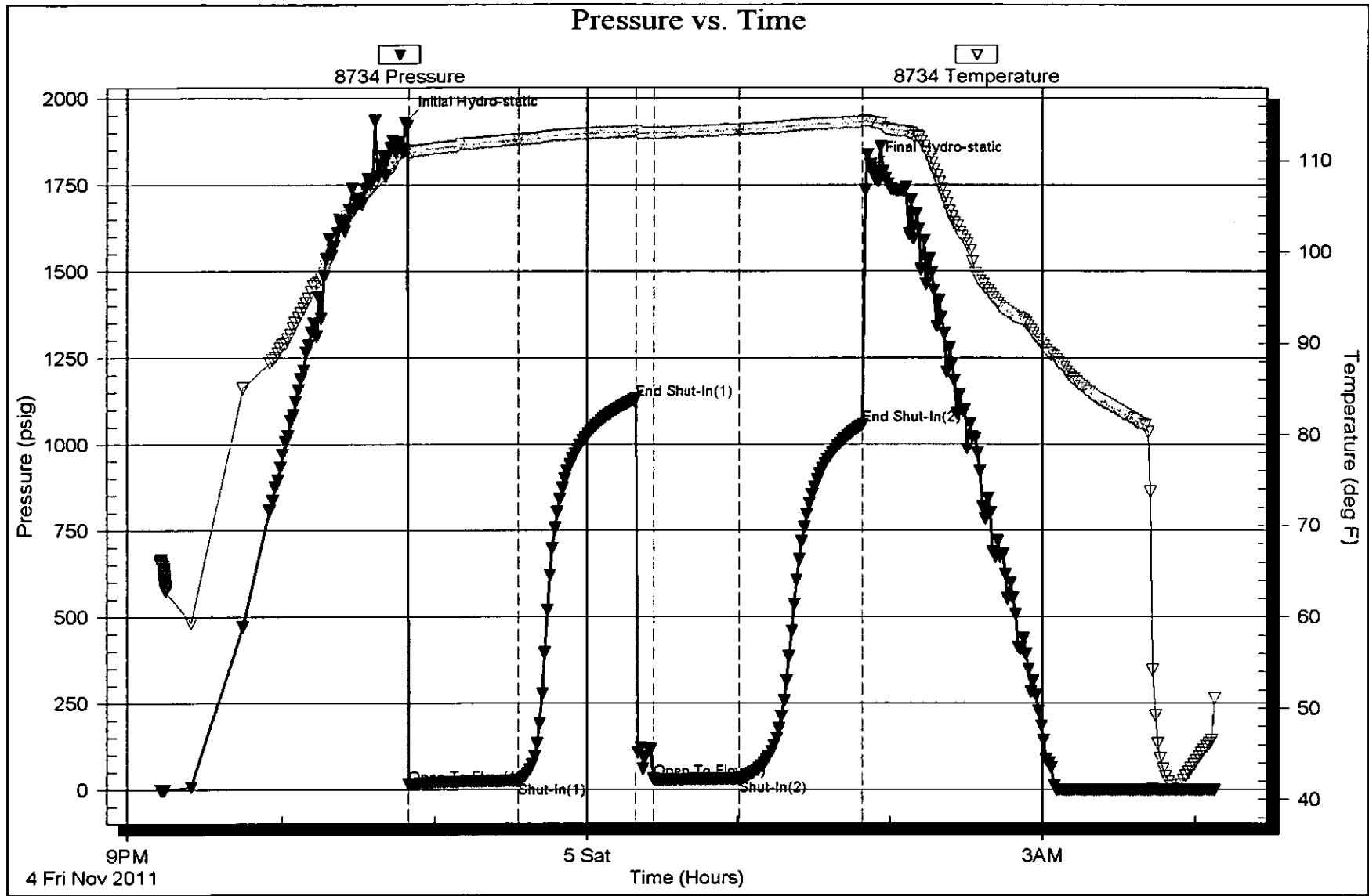
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



QUALITY OILWELL CEMENTING, INC.

Phone 785-483-2025
Cell 785-324-1041

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

No. 507

Date	10/31/11	Sec.	31	Twp.	14	Range	20	County	Ellis	State	KS	On Location	Finish	5:35 PM		
Lease	Raymond		Well No.	1-31		Location Ellis, Sta Butterfield Trail, 1/2 W, S, Wto										
Contractor	Discovery Drilling Rqy #3					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					Charge To Downing - Nelson Oil Co Inc										
Hole Size	12 1/4"		T.D.	1200'		Street										
Csg.	8 5/8" 23#		Depth	1200'		City										
Tbg. Size			Depth			State										
Tool			Depth			The above was done to satisfaction and supervision of owner agent or contractor.										
Cement Left in Csg.	39'		Shoe Joint	39'		Cement Amount Ordered 450 5x Com 3 1/2 CC 2% gel										
Meas Line			Displace	74 Bbls.		Cement Amount Ordered 450 5x Com 3 1/2 CC 2% gel										
EQUIPMENT																
Pumptrk	9	No.	Cement	Paul		Common									450	
Bulktrk	12	No.	Helper	Matt		Poz. Mix										
Bulktrk	2	No.	Driver	Doug		Gel.									9	
JOB SERVICES & REMARKS												Calcium				16
Remarks:												Hulls				
Rat Hole												Salt				
Mouse Hole												Flowseal				1/2"
Centralizers												Kol-Seal				
Baskets												Mud CLR 48				
DNV or Port Collar												CFL-117 or CD110 CAF 38				
Est. Circ.												Sand				
Mix 450 5x												Handling				465
Display												Mileage				
Land Plug												FLOAT EQUIPMENT				
Cement Circulated												Guide Shoe				
												Centralizer				5/8"
												Baskets				
												AFU Inserts				
												Float Shoe				
												Latch Down				
												Raffle Plate + Rubber Plug				
												Head + Manifold				
												Pumptrk Charge				Long Surface
												Mileage				27
												Tax				
												Discount				
												Total Charge				
X Signature												Dale Jucker				

Thank You!

Quality Oilwell
Cementing

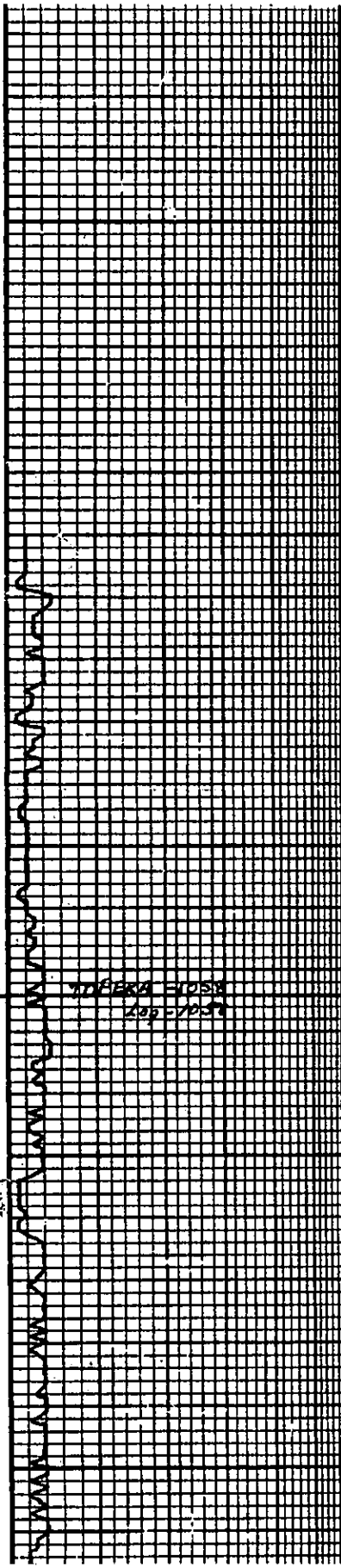
QUALITY OILWELL CEMENTING, INC.

Phone 785-483-2025
Cell 785-324-1041

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

No. 513

Date	Sec.	Twp.	Range	County	State	On Location	Finish
11/5/11	31	14	20	Ellis	KS		11:45 AM
Lease: <u>Romona</u>		Well No. <u>1-31</u>		Location <u>Ellis, S to Butterfield Trail, 1/2 W, S into</u>			
Contractor <u>Discovery Drilling Rtg #3</u>				Owner			
Type Job <u>PTA</u>				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 <u>7 7/8"</u>		T.D.		Charge To <u>Downing-Nelson</u>			
Csg. <u>30</u>		Depth		Street			
Tbg. Size		Depth		City			
Tool		Depth		State			
Cement Left in Csg.		Shoe Joint		The above was done to satisfaction and supervision of owner agent or contractor.			
Meas Line		Displace		Cement Amount Ordered <u>205 ex 60/100 4% gel</u>			
EQUIPMENT							
Pumptrk <u>9</u>	No.	Cementer <u>Paul</u>	Common <u>123</u>				
Bulktrk <u>8</u>	No.	Driver <u>Matt</u>	Poz. Mix <u>82</u>				
Bulktrk <u>PV</u>	No.	Driver <u>Cory</u>	Gel. <u>7</u>				
JOB SERVICES & REMARKS							
Remarks:				Calcium			
Rat Hole <u>30 sx</u>				Hulls			
Mouse Hole				Salt			
Centralizers				Flowseal			
Baskets				Kol-Seal <u>50 #</u>			
DV or Port Collar				Mud CLR 48			
<u>3833' - 25 sx</u>				CFL-117 or CD110 CAF 38			
<u>1410' - 40 sx</u>				Sand			
<u>620' - 100 sx</u>				Handling <u>2/2</u>			
<u>40' - 10 sx</u>				Mileage			
FLOAT EQUIPMENT							
				Guide Shoe			
				Centralizer <u>4 5/8" Plug</u>			
				Baskets			
				AFU Inserts			
				Float Shoe <u>Dry Hole Plug</u>			
				Latch Down			
				Pumptrk Charge <u>Plug</u>			
				Mileage <u>27</u>			
				Tax			
				Discount			
				Total Charge			
X Signature <u>Bob Bechtel</u>							

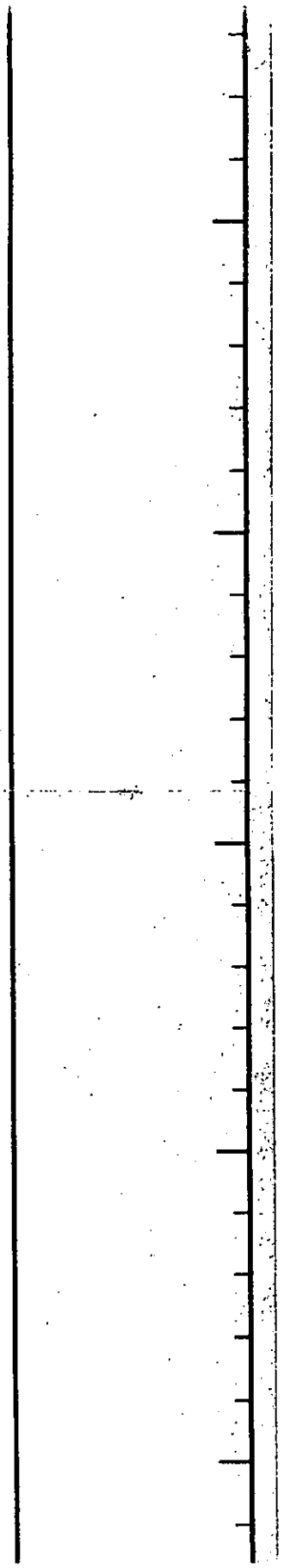
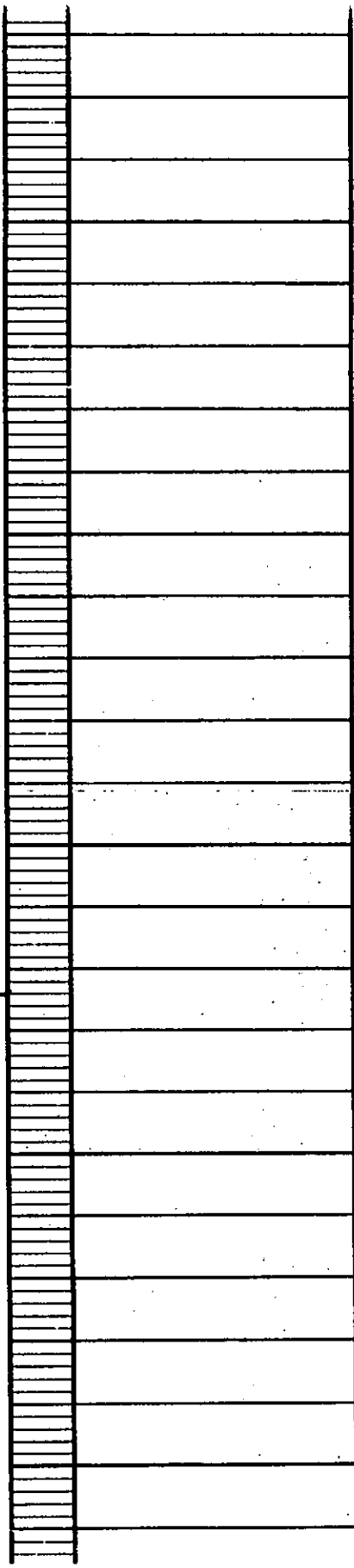


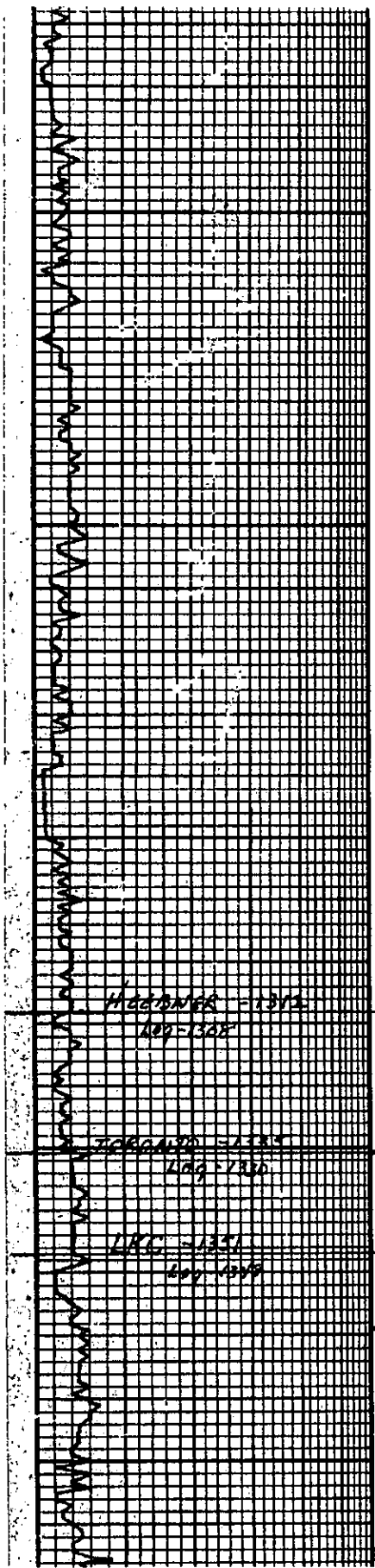
3050

3100

50

3100





50

3300

50

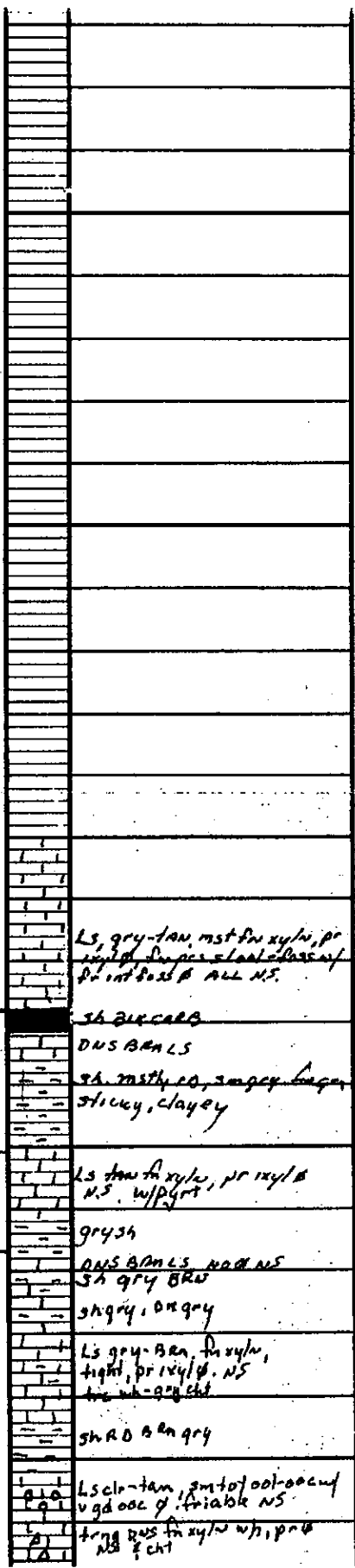
HIGGONER - 1372
100-130K

TORRANCE - 1371
100-130K

URK - 1371
100-130K

3400

50



Ls, gry-tan, mst fm xylu, pr
mst fm xylu, pr mst fm xylu, pr
pr mst fm xylu, pr mst fm xylu, pr
pr mst fm xylu, pr mst fm xylu, pr

sh BRK CARB
DUS BAN LS
sh mstly co, mstly brk
sticky, clayey

Ls tan fm xylu, pr xylu
NS. w/ pr

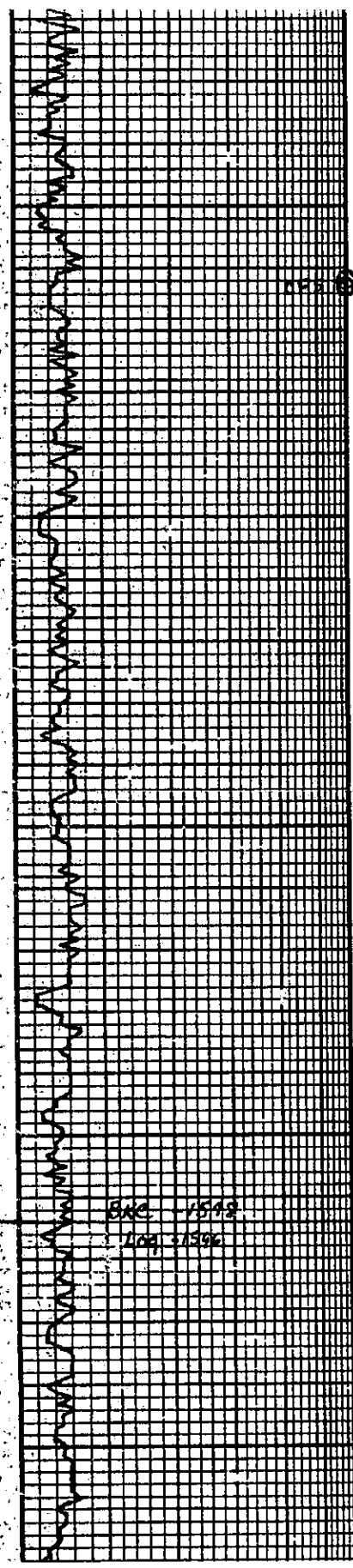
gry sh
DUS BAN LS, mst NS
sh gry BRK
sh gry, mst gry

Ls gry-brn, fm xylu,
tight, pr xylu, NS
mst fm xylu, pr

sh RD BRN gry

Ls cln-tan, mst of ool-occul
vgd ool. g. friable NS

long mst fm xylu w/ pr
mst fm xylu, pr



3500

50

3600

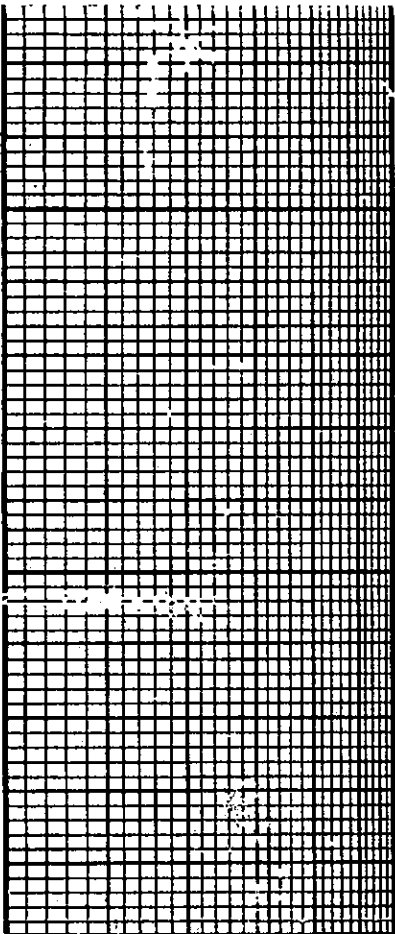
50

3700

3x gray, orange, red
Ls tan-ox gray, sm sl ool-foss
Sm fxyth dms fr-prxyth n.s.
Ls wh fr-gd vuggy & xyl pr
fool, fr show hvy ferric stain on
v blk, w blk-havy stnary dms
sh blk tan vuggy
Ls tan, sm fxyth ool amony, w/
gd int fss frim fr imble l-foss
w/blk ferric stn, dead blk stn no ad
frng fr micropor dms tan n.s.
Dk gray-blue sh
chky tan n.s.
Ls wh tan, sm chky in pt
pr xyth l-z scld ool n.s.
Ls wh-gray, fr xyl, pr
xyth n.s. tight dms
w/gray & dk gray sh strgs
w/ fxyth scld chky
sm sl ool Ls
abnt dk gray sh
Ls tan fxyth scld, tight
chky, pr xyth n.s.
Ls tan, l-z chky in pt
sm gray, micropor dms pr
xyth n.s.
sh gray, gray
sh dk gray
Ls wh, sm v ool-foss w/ frim
ool, sh sh hvy blk ferric ool
blk spnd stn hood
frng micropor dms w/ frim
w/ chky w/ l-foss
gray & gray sh, red
Ls tan-wh, micropor dms
pr xyth n.s. w/ sm chky
wh l-z chky wh
Ls tan-Ban dms pr xyth/Ban
w/ wh chky
sh v dk gray
Ls tan-cray dms v frim pr
n.s.
frng frim ool w/ frim n.s.
Ls tan-gray micropor dms
v pr xyth n.s.
w/ tan ferric chky
sh v dk gray, blk
gray-Ban sh xyl n.s. v pr
n.s.
w/ tan ool
sh dk gray, Ban
Ls tan-Ban frim w/ pr
xyth, shly, n.s.
sh v dk gray
Ls gray v frim dms pr
n.s.
shs rd Ban
Ls tan-Ban frim dms
pr n.s.

BXC - 1548
109 31396

460 20 000 000



5 10 15 20 25
 DRILLING TIME Minutes/Foot
 Rate of Penetration Decreases

DEPTH

LITHOLOGY

SAMPLE DESCRIPTIONS

OIL SHOWS

REMARKS

OPERATOR DNOC1
 LEASE Ramona #1-31 IP DA
 ELEVATION 2066' HA RTD 3910'

LOCATION 1570' EVL & 1570' FWL
 SEC 31 TWP 14S RNG 20W
 COUNTY ELLIS STATE KANSAS