



KANSAS CORPORATION COMMISSION 1052284
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: Coffeyville Resources

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 #: _____

02/10/2011 02/16/2011 02/17/2011

Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 15-145-21616-00-00

Spot Description: _____

E2 - SW - SW - NE Sec. 30 Twp. 20 S. R. 20 East West

2310 Feet from North / South Line of Section

2220 Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE NW SE SW

County: Pawnee

Lease Name: Basil Well #: 1-30

Field Name: Steffen Northwest

Producing Formation: Mississippi

Elevation: Ground: 2189 Kelly Bushing: 2197

Total Depth: 4353 Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: 1164 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: 05/24/2011



1052284

Operator Name: Downing-Nelson Oil Co Inc Lease Name: Basil Well #: 1-30
 Sec. 30 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 <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Attach Additional Sheets) 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 (If no, Submit Copy) List All E. Logs Run: Attached	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum Attached Attached 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 Pipe	12.25	8.625	23	1164	Common	450	2% Gel & 3% CC
Production	7.875	5.5	14	4346	EA/2	125	

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 (Amount and Kind of Material Used)	Depth

TUBING RECORD: Size: <u>2.3750</u> Set At: <u>4329.67</u> Packer At: _____		Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Date of First, Resumed Production, SWD or ENHR. <u>04/01/2011</u>		Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____	
Estimated Production Per 24 Hours	Oil Bbls. <u>40</u>	Gas Mcf <u>0</u>	Water Bbls. <u>0</u> Gas-Oil Ratio _____ Gravity <u>35</u>

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease (If vented, Submit ACO-18.)	METHOD OF COMPLETION: <input checked="" type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled (Submit ACO-5) (Submit ACO-4) <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
--	--	--

Form	ACO1 - Well Completion
Operator	Downing-Nelson Oil Co Inc
Well Name	Basil 1-30
Doc ID	1052284

All Electric Logs Run

CNL/CDL
DIL
MEL
Sonic

Form	ACO1 - Well Completion
Operator	Downing-Nelson Oil Co Inc
Well Name	Basil 1-30
Doc ID	1052284

Tops

Top Anhydrite	1369	+828
Base Anhydrite	1390	+807
Heebner	3709	-1512
LKC	3759	-1562
BKC	4072	-1875
Fort Scott	4264	-2067
Cherokee Shale	4278	-2081
Mississippi	4340	-2143

QUALITY JILWELL CEMENTING, INC.

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

Home Office P.O. Box 32 Russell, KS 67065

No. 4416

Date	2/12/11	Sec.	30	Twp.	20	Range	20	County	Pawnee	State	KS	On Location		Finish	2:45 AM				
Lease	Basil		Well No.	1-30		Location Alexander, 12S, 1 1/2 W, S into													
Contractor	Discovery Drilling Rig #4					Owner													
Type Job						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.	1164'		Charge To													
Csg.	8 5/8"		Depth	1164'		Downing-Nelson Oil Co. Inc.													
Tbg. Size			Depth			Street													
Tool			Depth			City													
Cement Left in Csg.	42'		Shoe Joint	42'		State													
Meas Line			Displace	7 1/2 Bbls		The above was done to satisfaction and supervision of owner agent or contractor.													
												Cement Amount Ordered				450 Ex Com 3 1/2 CC 2 1/2 gel			

EQUIPMENT

Pumptrk	9	No.	Cement		Common	450
			Helper	Paul		
Bulktrk	12	No.	Driver	Rocky	Poz. Mix	
			Driver			
Bulktrk	PU	No.	Driver	Brian P.	Gel.	B
			Driver			

JOB SERVICES & REMARKS

Remarks:	Hulls
Rat Hole	Salt
Mouse Hole	Flowseal
Centralizers	Kol-Seal
Baskets	Mud CLR 48
D/V or Port Collar	CFL-117 or CD110 CAF 38
Est. Circ.	Sand
Mix Cement	Handling 464
Displace	Mileage
Lead Plug	
Cement Circulated	

FLOAT EQUIPMENT

Guide Shoe	
Centralizer	
Baskets	45 1/2
AFU Inserts	
Float Shoe	
Latch Down	
Rubber Plug + Baffle Plate	
Head + Manifold	
Pumptrk Charge / on Surface	
Mileage	33

Tax
Discount
Total Charge

X Signature *Walter Russell*

JOB LOG

SWIFT Services, Inc.

DATE 17 FEB 11 PAGE NO. 1

CUSTOMER DOWNING & NELSON WELL NO. LEASE BASIL 1-30 JOB TYPE 5 1/2 LONGSTRING TICKET NO. 20146

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1100							ON LOCATION
	1220							START PIPE 5 1/2 - 14# RTD @ 4353 SET @ SHOE ST 20.70 CENTRALIZERS 1, 3, 6, 8, 10, 12
	1400				✓		1700	SET PACKER SHOE CIRCULATE
	1420	6	12		✓		250	Pump 500 gal MUD FLUSH
	1422	6	20		✓		200	Pump 20 BBL KCL FLUSH
	1432		7.5					PLUG RH/MA (30SX-20SX)
	1436	4	30		✓		200	MIX 125 SX GA2 @ 15.5 PP6.
	1450							WASH OUT PUMPING LINES.
	1453	6			✓			RELEASE PLUG START DISPLACEMENT
	1511		105 1/2		✓		1500	PLUG DOWN PRESSURE UP LATCH PLUG IN
	1514							RELEASE PRESSURE. DRY
	1516							WASH TRUCK
	1545							JOB COMPLETE
								THANKS B/10
								JASON JEFF JOE.

Marc Downing

Consulting Petroleum Geologist
 1411 Washington Circle
 Hays, Ks 67601
 Phone: 620-428-1356 (cell) 785-621-2286

**GEOLOGIC
REPORT
LOG**COMPANY Downing-Nelson Oil Co IncWELL Basil # 1-3aFIELD Stephen NWLOCATION 2304' ENL + 2226' ECLSEC. 3a TWP. 20s RGE. 20wCOUNTY PolkSTATE KansasOPERATOR DNOCICONTRACTOR Discovery Drilling Rig #4COMM: 2-10-11 COMP: 2-11-11**CASING RECORD**SURF: 154' @ 1154' PROD: 576' @ 4342'TOTAL DEPTH DRILLERS: 4353'TOTAL DEPTH LOG: 4349'PRODUCTION MissELEVATION KB 2197

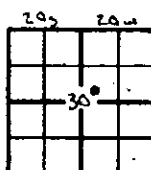
DF

GL 2189Drilling Measured From: KBSamples Saved From 4100 To: TQDrilling Time From 3600 To: TQSamples Examined From: 4100 To: TQGeological Supervision From 3600 To Total DepthWellsite Geologist Marc DowningElectrical Surveys Log-Tech

C NL / C DL

DJI

MEI

Service RTM GR**FORMATION TOPS AND STRUCTURAL POSITION**

FORMATION	SAMPLE TOP	ELECTRIC LOG TOP	SUB-SEA DATUM	STRUCTURAL POSITION
Top Anhydrite	NA	131.9	+1828	-2
Base Anhydrite	NA	1390	+1807	15
HEBNER	3714	3709	-1512	+1
LKC	3745	3759	-1562	+1
BKC	4086	4072	-1875	+6
East Scott	4271	4264	-2067	+3
CHEROKEE SH	4284	4278	-2081	+3
MISG	4343	4340	-2143	-5

REFERENCE WELL FOR STRUCTURE DNOCILynn Patton # 1-3a 1190' ECL + 1910' ECL Sec. 3a-20-20w**DAILY PENETRATION****BIT RECORD**

DATE	DEPTH	NO	SIZE	MAKE	TYPE	DEPTH OUT	FEET	HOURS

FORMATION

INTERVAL

DESCRIPTION OF SHOW


LOG ANALYSIS


S W


DRILL STEM TESTS							
No.	Interval	IFP/Time	ISIP/Time	FTP/Time	FSIP/Time	INA-FPH	RECOVERY


REMARKS AND RECOMMENDATIONS


LEGEND



Anhydrite



Salt



Sandstone



Shale

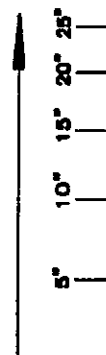
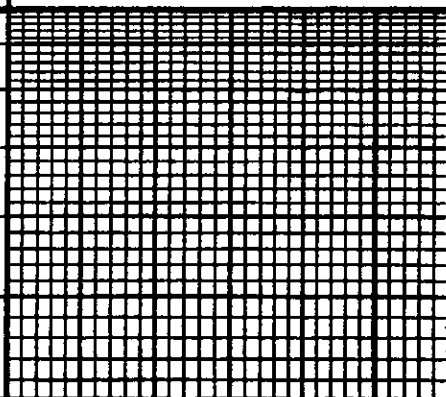


Dark sh


Limestone


Ool.Lime

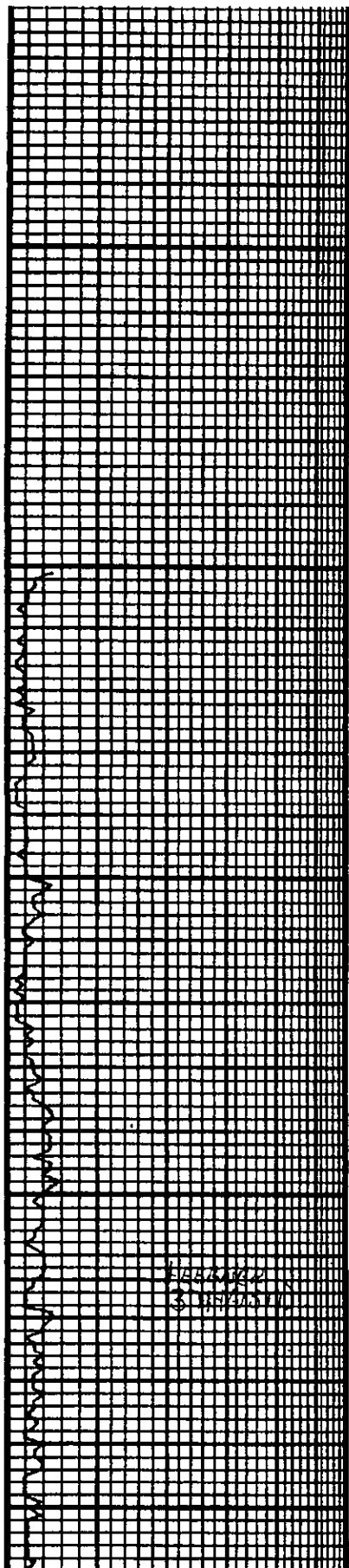

Chert


Dolomite

<p>DRILLING TIME IN MINUTES PER FOOT Rate of Penetration Decreases</p> 	<p>DEPTH</p> 	<p style="writing-mode: vertical-rl; transform: rotate(180deg);">LITHOLOGY</p> 	<p style="writing-mode: vertical-rl; transform: rotate(180deg);">SAMPLE DESCRIPTIONS</p>
<p>OIL SHOWS</p>		<p style="writing-mode: vertical-rl; transform: rotate(180deg);">REMARKS</p>	<p style="writing-mode: vertical-rl; transform: rotate(180deg);">REMARKS</p>

7515

LOG 7710

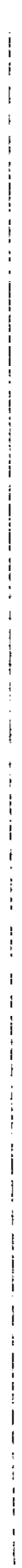
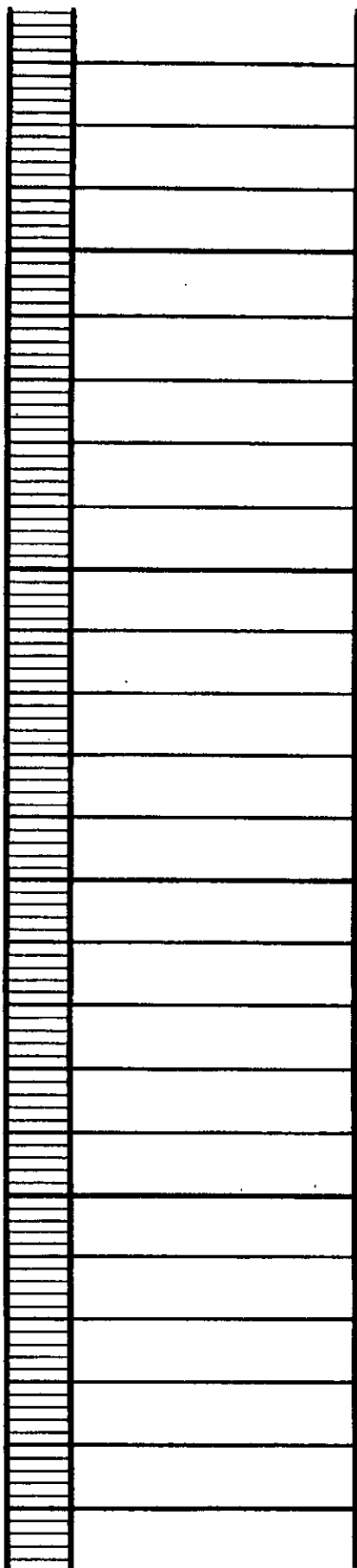


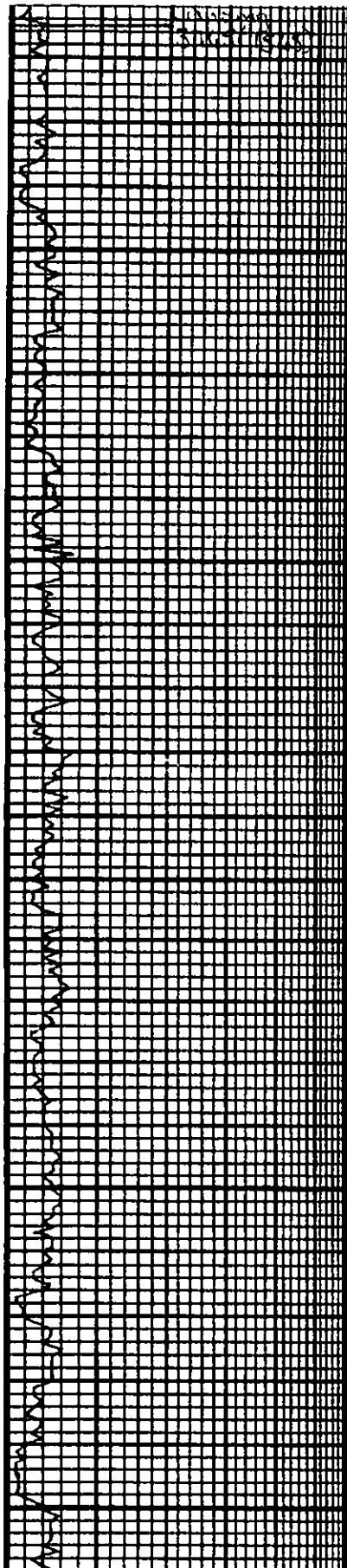
3600

50

3700

50





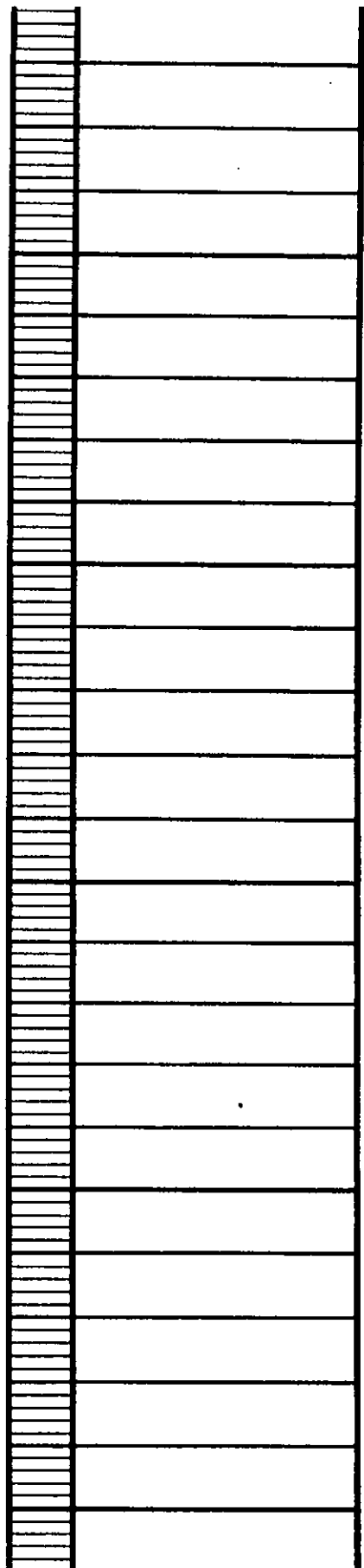
3900

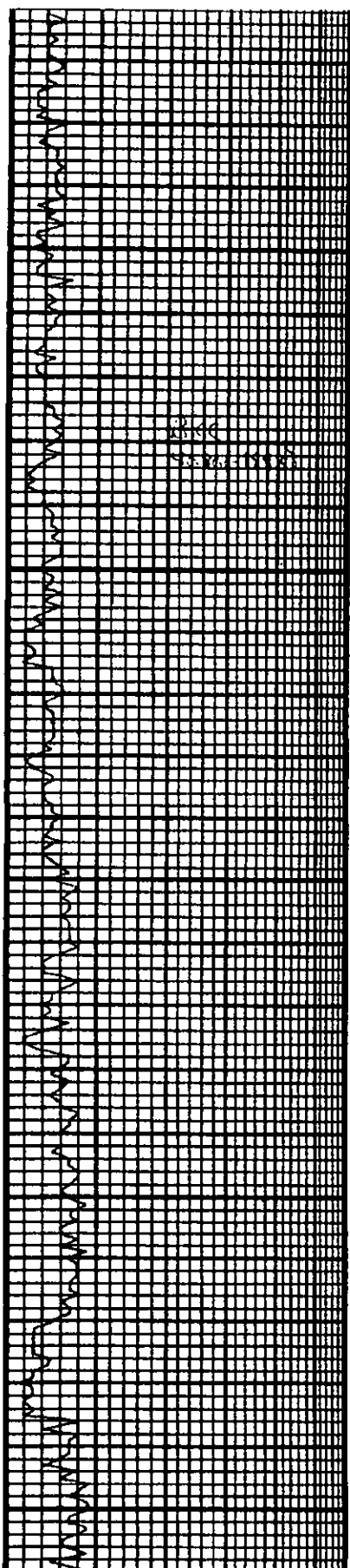
50

3900

50

4000





50

4100

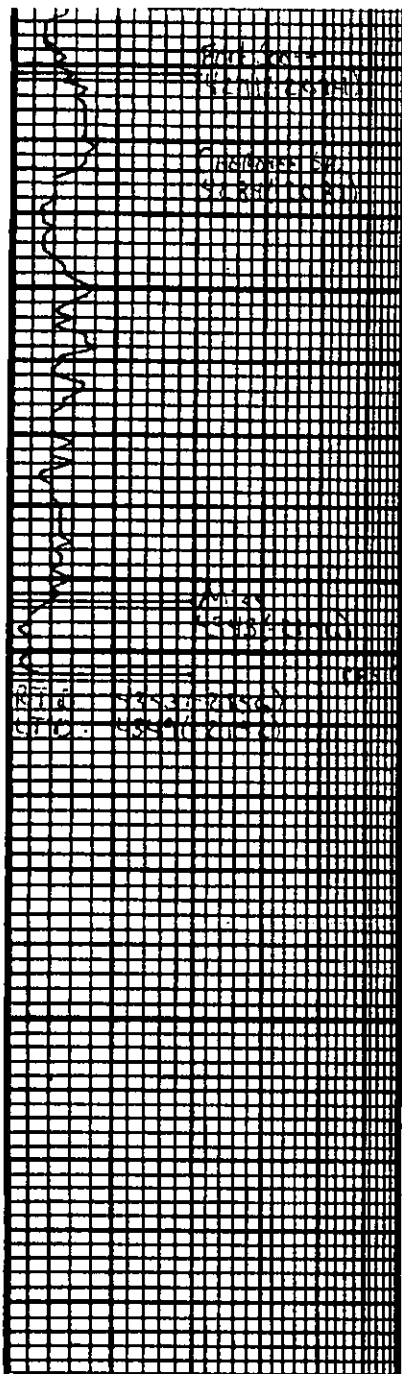
50

4200

50

Sh: Black Carb
LS: tan, Pass, chs
Sh: gray
LS: AIA, tan
Sh: lt grey - gray
LS: tan - med, fumed xls, fine scat Pass, chs.
Sh: tan, ss
LS: tan, fine xls, some Rx tang v fine xls + v chs. All prp, ss
Sh: Dk grey - blk.
Sh: tan lt grey + tan
LS: med, fine xls w/ scat col, chs.
Sh: gray
LS: tan, fine xls, Pass in part. All prp + chs w/ ss.
Sh: Black Carb
Sh: dk grey
LS: tan, fine v fine xls, maxia + v chs.
Sh: Black Carb





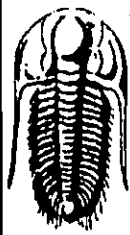
	Sh: dk grg w/ sandy gm
	L.S: wht, fin v laxy, sub xln. 1-2 pcs w/ oval vngs, tang tam, w/ v red. All NS.
	Sh: Black Carb
	Sh: grg w/ bn
	L.S: tan-wht fin-mud xln, velms, no vngs, few pcs tam chns.
	Sh: bn + grg
	L.S: tan-wht, vfn xln, chns
	Sh: mostly bn w/ some red w/ depth. Seal 4' chn: A
	Chn: wht-lt tan seal chn, v warty w/ vgd inclusions. Tang wht, fr. warty gd pps w/ gd edge chn, some gd flk. some some fresh like fr. gd
	Fluvr, Fr-gd sd.
	1/2
	1/2

Vis: 46	Wt: 90
DST #1	
4307-4353	
30-45-30-45	
I.F.-B0B 7 1/2 min	
4" SIB	
F.F.-B0B 5 min	
1 1/2" SIB	
IFP: 112-198	
FFP: 256-323	
SIP: 1210-1154	
HP: 2157-2072	
Roc:	
310' GIP	
558' MCGO 50%o, 45%g	
217' GMA 50%o, 10%g	
G=40 BHT: 121'	

4300

56

20



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Downing-Nelson Oil Co., Inc.

Basil #1-30

P.O. Box 372
Hays, Ks 67601

30/20S/20W-Pawnee

Job Ticket: 41841

DST#: 1

ATTN: Marc Downing

Test Start: 2011.02.16 @ 13:19:47

GENERAL INFORMATION:

Formation: **Mississippian**

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

Time Tool Opened: 15:13:47

Time Test Ended: 20:47:17

Test Type: **Conventional Bottom Hole**

Tester: **Dustin Rash**

Unit No: **44**

Interval: **4307.00 ft (KB) To 4353.00 ft (KB) (TVD)**

Reference Elevations: **2198.00 ft (KB)**

Total Depth: **4353.00 ft (KB) (TVD)**

2191.00 ft (CF)

Hole Diameter: **7.88 inches** Hole Condition: **Poor**

KB to GR/CF: **7.00 ft**

Serial #: 6672

Inside

Press@RunDepth: **323.15 psig @ 4313.00 ft (KB)**

Capacity: **8000.00 psig**

Start Date: **2011.02.16**

End Date:

2011.02.16

Last Calib.: **2011.02.16**

Start Time: **13:19:47**

End Time:

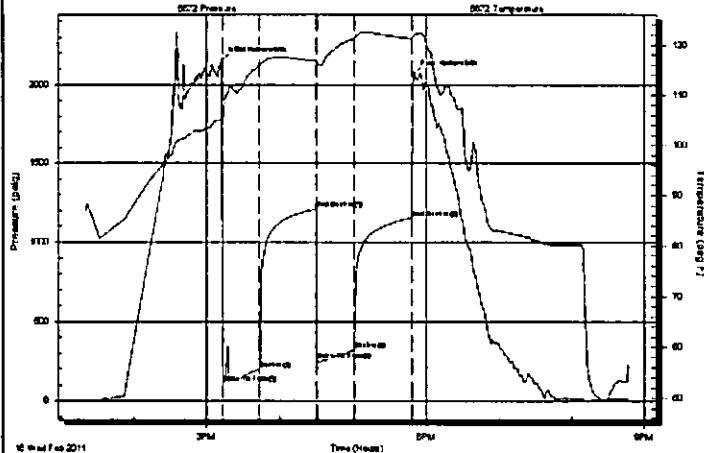
20:47:16

Time On Btm: **2011.02.16 @ 15:12:46**

Time Off Btm: **2011.02.16 @ 17:50:16**

TEST COMMENT: IF- Fair building blow . BOB in 7 minutes 20 seconds.
ISI-Return @ 45 seconds. Built to 4 inches.
FF-Strong-fair building blow . BOB in 5 minutes.
FSI-Return @ 30 seconds. Built to 1&1/2 inches.

Pressure vs Time



PRESSURE SUMMARY

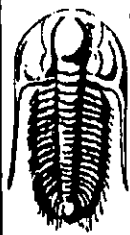
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2157.17	105.28	Initial Hydro-static
1	112.12	105.38	Open To Flow (1)
31	198.17	115.85	Shut-In(1)
77	1209.92	116.78	End Shut-In(1)
78	256.34	116.35	Open To Flow (2)
109	323.15	121.32	Shut-In(2)
156	1153.63	121.23	End Shut-In(2)
158	2072.36	121.92	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
217.00	50% Oil/40% Mud/10% Gas	2.76
558.00	50% Oil/45% Gas/5% Mud	7.83
0.00	310' G.I.P.	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Downing-Nelson Oil Co., Inc.

Basil #1-30

P.O. Box 372
Hays, Ks 67601

30/20S/20W-Pawnee

Job Ticket: 41841

DST#: 1

ATTN: Marc Downing

Test Start: 2011.02.16 @ 13:19:47

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: 46.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.58 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3800.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
217.00	50% Oil/40% Mud/10% Gas	2.762
558.00	50% Oil/45% Gas/5% Mud	7.827
0.00	310' G.I.P.	0.000

Total Length: 775.00 ft

Total Volume: 10.589 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

