



WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

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 #: _____

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

API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ 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: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

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: _____ Date: _____



1130676

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

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 type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input 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 type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input 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

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: Yes No

Date of First, Resumed Production, SWD or ENHR. _____ Producing Method: Flowing Pumping Gas Lift Other (Explain) _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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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	Snodgrass Steffen Unit 1-5
Doc ID	1130676

Tops

Name	Top	Datum
Top Anhydrite	1319'	+835
Base Anhydrite	1344'	+810
Heebner	3679'	-1525
LKC	3730'	-1576
BKC	4054'	-1900
Fort Scott	4231'	-2077
Cherokee Shale	4248'	-2094
Mississippi	4302'	-2148

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

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

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

No. 6463

Date	Sec.	Twp.	Range	County	State	On Location	Finish
3-14-13	5	21	20	Pawnee	KS		10:30 p.m.
Lease				Location			
Snoyers - Steffen Unit				Alexander St Rd T 14 mi N E S into			

Well No.	Owner
1-5	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.
Contractor	Charge To
Discovery #4	Douglas Nelson
Type Job	Street
Surface	City
Hole Size	State
12 1/4	
Csg.	Depth
8 5/8	1190
Tbg. Size	Depth
Tool	Depth
Cement Left in Csg.	Cement Amount Ordered
42	450 com 30% 2 1/2 6 1/2
Shoe Joint	
42	
Meas Line	Displace
	7.3 RL

EQUIPMENT

Pumptrk	No.	Cement	Common
5		Helper	450
Bulktrk	No.	Driver	Poz. Mix
		Cody	
Bulktrk	No.	Driver	Gel.
13		Heath	9
			Calcium
			16

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
8 5/8 on bottom Est. Circulation. Mix	Sand
7.50% + Displace Plug:	Handling
Cement Circulated.	475
Plug landed @ 1000 ft. Shut in	Mileage
@ 800 ft	

FLOAT EQUIPMENT

Guide Shoe	8 5/8
Centralizer	Baffle Plate
Baskets	Rubber Plug
AFU Inserts	
Float Shoe	
Latch Down	

Pumptrk Charge	Long Surface
Mileage	34

Signature	Tax
Mike Luehl	Discount
	Total Charge

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

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

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

No. 6590

Date	3-20-13	Sec.	5	Twp.	21	Range	20	County	Pawnee	State	KS	On Location	2.45pm	Finish	5.45pm
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Lease **Snodgrass** Well No. **1-5** Owner **CT W 12 Sinto**
Location **Rush Centek S to TRD Pawnee**

Contractor **Discroly 4**
Type Job **plug**
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 _____ T.D. _____ Charge To _____
Csg. **Dill pipe** Depth _____ Street **Downing-Nelson**

Tbg. Size _____ Depth _____ City _____ State _____
Tool _____ Depth _____

Cement Left in Csg. _____ Shoe Joint _____ The above was done to satisfaction and supervision of owner agent or contractor.
Cement Amount Ordered **200 60/40 4% gel**

Meas Line _____ Displace **1/4 flow**

EQUIPMENT

Pumptrk	5	No.	Cementer/Helper	Mitt	Common	120
Bulktrk	8	No.	Driver	Brett	Poz. Mix	80
Bulktrk	pa	No.	Driver	Doug	Gel.	8
			Driver		Calcium	

JOB SERVICES & REMARKS

Remarks: _____
Rat Hole **30** _____
Mouse Hole **20** _____
Centralizers _____
Baskets _____
D/V or Port Collar _____
Salt _____
Flowseal **50#** _____
Kol-Seal _____
Mud CLR 48 _____
CFL-117 or CD110 CAF 38 _____
Sand _____
Handling **208** _____
Mileage _____

1st 1375 80 SK
2nd 350 50 SK
3rd 60 20 SK

FLOAT EQUIPMENT

Guide Shoe _____
Centralizer _____
Baskets _____
AFU Inserts _____
Float Shoe _____
Latch Down _____

~~_____~~
Pumptrk Charge **plug**
Mileage **34**

Signature **NE [Signature]** Tax _____
Discount _____
Total Charge _____

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. Inc.

WELL Snoggrass-Steffen Unit 1-5

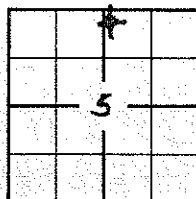
FIELD Wildcat

LOCATION 335' ENCL & 2520' FEL

SEC. 5 TWP. 21S RGE. 20W

COUNTY Pawnee

STATE KANSAS



PRODUCTION DIA

ELEVATION KB 2154'

DF

GL 2146'

Drilling Measured From: KB

Samples Saved From 3900 To: TD

Drilling Time From 3650 To: TD

Samples Examined From 3900 To: TD

Geological Supervision From 3900 To Total Depth

Wellsite Geologist RON NELSON

Electrical Surveys NONE

OPERATOR DNOCI

CONTRACTOR DISCOVERY DRILLING Rigs #1

COMM: 3-13-13 COMP: 3-20-13

CASING RECORD

SURF: 8 5/8" @ 1182' PROD: NONE

TOTAL DEPTH DRILLERS: 4329'

TOTAL DEPTH LOG: NO LOG

FORMATION TOPS AND STRUCTURAL POSITION

FORMATION	SAMPLE TOP	ELECTRIC LOG TOP	SUB-SEA DATUM	STRUCTURAL POSITION
TOP ANHYDRITE	1319		+835	FL
BASE ANHYDRITE	1344		+810	+6
HERRNER	3679		-1525	+5
LKC	3730		-1576	+7
BWC	4054		-1900	+5
FT. SCOTT	4231		-2077	+8
CHEROKEE SHALE	4248		-2094	+7
MISSISSIPPI	4302		-2148	+9

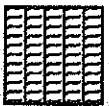


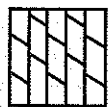
REFERENCE WELL FOR STRUCTURE Hummer Oil's Snoggrass #2 a
dry hole @ SE-NW SEC 5-21-20

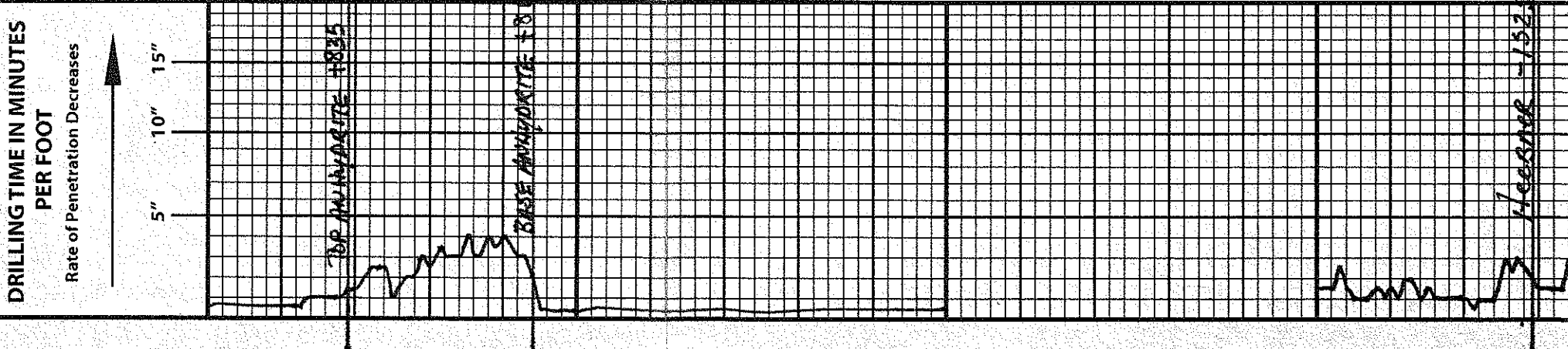
DRILL STEM TESTS

No.	Interval	IFP/Time	ISIP/Time	FFP/Time	FSIP/Time	IHP-FHP	RECOVERY

REMARKS AND RECOMMENDATIONS

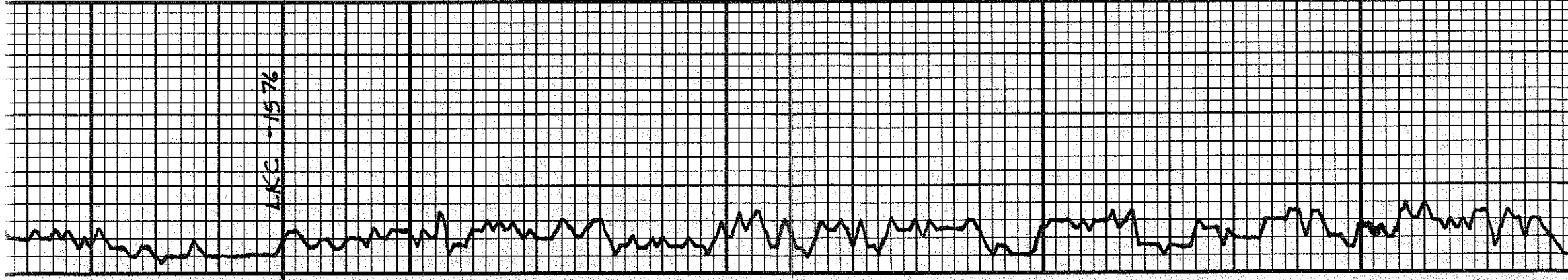
LEGEND

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

DRILLING TIME IN MINUTES PER FOOT Rate of Penetration Decreases ↑	DEPTH	LITHOLOGY	SAMPLE DESCRIPTIONS	OIL SHOWS	REMARKS
	<p>1300</p> <p>50</p> <p>1400</p> <p>3650</p>	<p style="text-align: center;">Anhydrite</p> <p style="text-align: center;">Salt</p> <p style="text-align: center;">Sandstone</p> <p style="text-align: center;">Shale</p> <p style="text-align: center;">Carb sh</p> <p style="text-align: center;">Limestone</p> <p style="text-align: center;">Ool.Lime</p> <p style="text-align: center;">Chert</p> <p style="text-align: center;">Dolomite</p>			

11825

1800



3700

50

3800

50

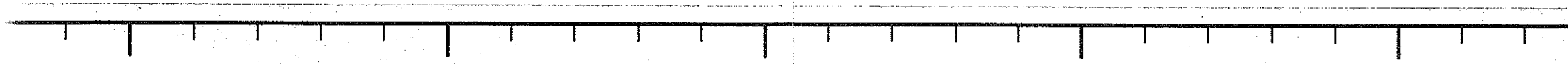
3900

LS wh - low fr - mdy to
DAS for depth 0.65

SM w/CH mode 6.5 95

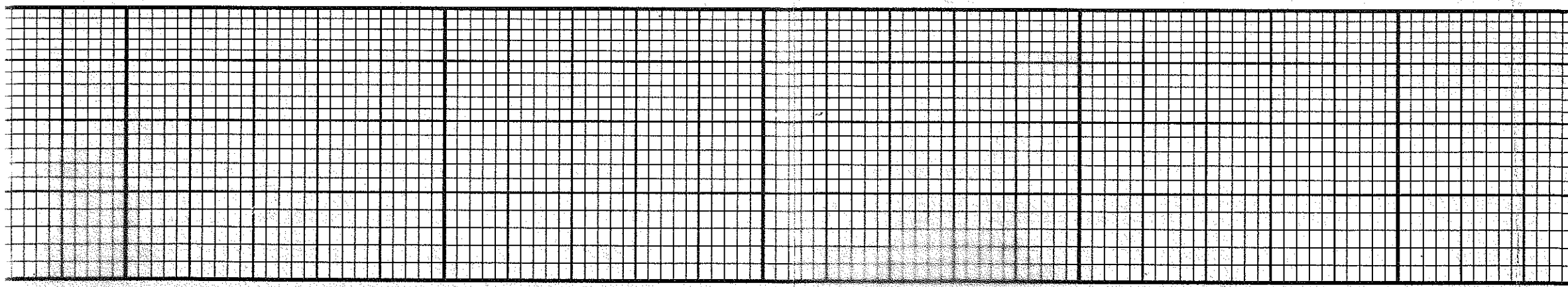
DM 914-9795

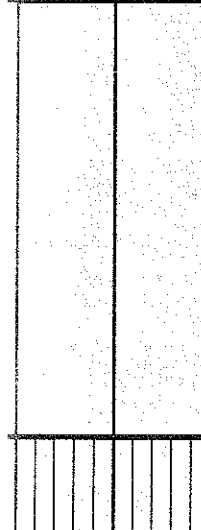
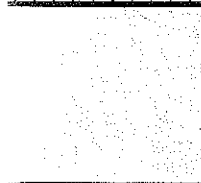
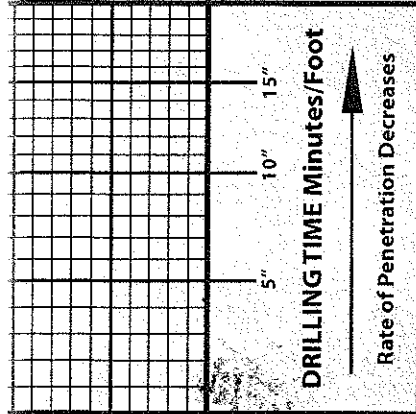
Level - low: below w/road



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REMARKS	OIL SHOWS	SAMPLE DESCRIPTIONS	LITHOLOGY	DEPTH
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CONTRACTOR DISCOVERY DRILLING Rig #4
 LEASE Sundance-Staffon Unit #1-5 IP D3A
 ELEVATION 2194' KD RTD 4329'
 LOCATION 33S E 21 N R 25 20' F66
 SEC 5 TWP 21S RNG 20W
 COUNTY Polk STATE KANSAS



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Dow ning-Nelson Oil Co., Inc.

5/21S/20W-Pawnee

P.O. Box 1019
Hays, KS 67601

Snodgrass Steffen1-5

ATTN: Ron Nelson

Job Ticket: 51693

DST#: 1

Test Start: 2013.03.20 @ 02:51:45

GENERAL INFORMATION:

Formation: **Mississippian**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:48:05

Time Test Ended: 10:10:15

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Rash

Unit No: 66

Interval: 4274.00 ft (KB) To 4329.00 ft (KB) (TVD)

Reference Elevations: 2154.00 ft (KB)

Total Depth: 4329.00 ft (KB) (TVD)

2146.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8520 Outside

Press @ Run Depth: 193.05 psig @ 4314.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.03.20

End Date: 2013.03.20

Last Calib.: 2013.03.20

Start Time: 03:01:45

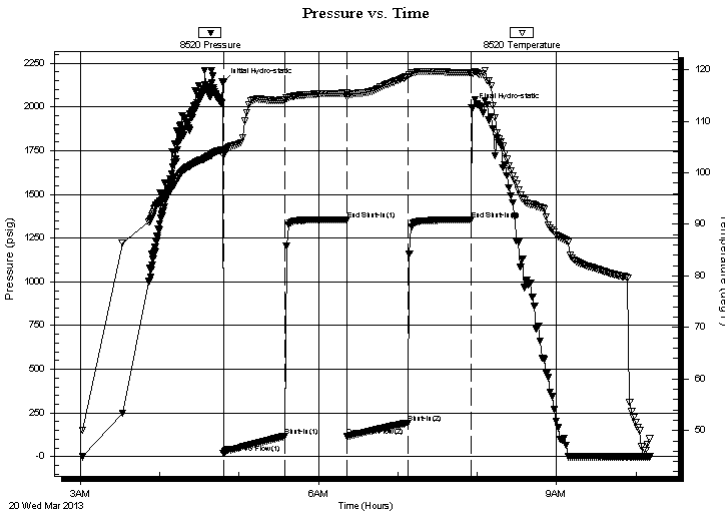
End Time: 10:10:15

Time On Btm: 2013.03.20 @ 04:47:55

Time Off Btm: 2013.03.20 @ 07:55:45

TEST COMMENT: IF-Weak building blow . BOB @ 34 minutes.
ISI-No Return.
FF-Weak building blow . BOB @ 38 minutes 30 seconds.
FSI-No Return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2139.43	104.47	Initial Hydro-static
1	18.23	103.34	Open To Flow (1)
47	116.04	114.09	Shut-In(1)
94	1355.74	115.47	End Shut-In(1)
94	117.35	114.78	Open To Flow (2)
140	193.05	118.66	Shut-In(2)
188	1354.28	119.18	End Shut-In(2)
188	1996.75	119.49	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
248.00	85%Water/15%Mud	3.21
124.00	20%Water/80%Mud	1.74
15.00	2%Oil/18%Water/80%Mud	0.21

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Downing-Nelson Oil Co., Inc.

5/21S/20W-Pawnee

P.O. Box 1019
Hays, KS 67601

Snodgrass Steffen1-5

Job Ticket: 51693

DST#: 1

ATTN: Ron Nelson

Test Start: 2013.03.20 @ 02:51:45

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

17000 ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.60 in³

Gas Cushion Type:

Resistivity: 0.65 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
248.00	85%Water/15%Mud	3.206
124.00	20%Water/80%Mud	1.739
15.00	2%Oil/18%Water/80%Mud	0.210

Total Length: 387.00 ft

Total Volume: 5.155 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8520

Outside Dow nging-Nelson Oil Co., Inc.

Snodgrass Steffen 1-5

DST Test Number: 1

