



KANSAS CORPORATION COMMISSION 1061698
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: Marc Downing
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 #: _____
07/9/2011 07/15/2011 07/16/2011
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 15-145-21646-00-00
Spot Description: _____
SE SE NW SE Sec. 19 Twp. 20 S. R. 20 East West
1540 Feet from North / South Line of Section
1455 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Pawnee
Lease Name: Saxton Family Unit Well #: 1-19
Field Name: Wildcat
Producing Formation: None
Elevation: Ground: 2170 Kelly Bushing: 2178
Total Depth: 4340 Plug Back Total Depth: _____
Amount of Surface Pipe Set and Cemented at: 450 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: 480 bbls
Dewatering method used: Hauled to Disposal
Location of fluid disposal if hauled offsite: _____
Operator Name: Downing Nelson Oil Company, Inc
Lease Name: Chaddick License #: 30717
Quarter SE Sec. 31 Twp. 20 S. R. 20 East West
County: Pawnee Permit #: D14220

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 Garcia Date: 08/18/2011



1061698

Operator Name: Downing-Nelson Oil Co Inc Lease Name: Saxton Family Unit Well #: 1-19
 Sec. 19 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 <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 type="checkbox"/> Yes <input checked="" 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 checked="" type="checkbox"/> Sample Name Attached Top Attached Datum 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	1160	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
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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) _____
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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) (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	Saxton Family Unit 1-19
Doc ID	1061698

Tops

Top Anhydrite	1364	+815
Base Anhydrite	1392	+787
Heebner	3697	-1518
LKC	3749	-1570
BKC	4057	-1878
Fort Scott	4244	-2065
Cherokee Shale	4262	-2083
Mississippi	4328	-2149
Osage	4335	-2156

ALLIED CEMENTING CO., LLC. 037326

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

SERVICE POINT:

Great Bend, KS

DATE <u>7-16-11</u>	SEC. <u>19</u>	TWP. <u>20</u>	RANGE <u>20</u>	CALLED OUT	ON LOCATION	JOB START <u>2:00pm</u>	JOB FINISH <u>3:00pm</u>
<u>Scotton Family LEASE</u>	WELL # <u>1-19</u>	LOCATION <u>Alexander 11 south 1 west</u>			COUNTY <u>Rawnee</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one) <u>N</u>			<u>1/2 S. West into</u>				

CONTRACTOR Discards Rig #
 TYPE OF JOB Rotary plug
 HOLE SIZE 7 7/8 I.D.
 CASING SIZE 8 5/8 DEPTH
 TUBING SIZE DEPTH
 DRILL PIPE 4 1/2 DEPTH 1360
 TOOL DEPTH
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT
 CEMENT LEFT IN CSG. all

OWNER Downing-Nelson
 CEMENT
 AMOUNT ORDERED 200 sd 60/40 4% gel.

PERFS.
 DISPLACEMENT freshwater / Red mud

COMMON	<u>120</u>	@	<u>16.25</u>	<u>1950.00</u>
POZMIX	<u>80</u>	@	<u>8.50</u>	<u>680.00</u>
GEL	<u>7</u>	@	<u>21.25</u>	<u>152.35</u>
CHLORIDE		@		
ASC		@		
		@		
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>207</u>	@	<u>2.25</u>	<u>465.75</u>
MILEAGE	<u>207 x 4.37 x .11</u>			<u>979.11</u>
TOTAL				<u>4,227.11</u>

EQUIPMENT
 PUMP TRUCK CEMENTER Bobby G.
 # 224 HELPER Bobby G.
 BULK TRUCK
 # 341 DRIVER Kevin W. / Larry S.
 BULK TRUCK
 # DRIVER

REMARKS:

1st plug at 1360 ft mid 4062
2nd plug at 1190 ft mid 6050
3rd plug at 430 ft mid 4050
4th plug at 60 ft mid 2050
RH mid 3050
MH mid 2050

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

To Allied Cementing Co., LLC.
 You are hereby requested to rent cementing equipment
 and furnish cement and labor to assist in the

SERVICE

DEPTH OF JOB	<u>1360</u>			
PUMP TRUCK CHARGE				<u>1250.00</u>
EXTRA FOOTAGE		@		
MILEAGE Truck	<u>86</u>	@	<u>7.00</u>	<u>602.00</u>
MANIFOLD		@		
		@		
TOTAL				<u>1852.00</u>

PLUG & FLOAT EQUIPMENT

Wooden Plug		@	<u>97.00</u>	<u>97.00</u>
		@		
		@		
		@		
		@		

ALLIED CEMENTING CO., LLC. 037245

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

SERVICE POINT:
Great Bend

DATE <u>7-10-11</u>	SEC. <u>19</u>	TWP. <u>20</u>	RANGE <u>20</u>	CALLED OUT	ON LOCATION	JOB START <u>2:45 PM</u>	JOB FINISH <u>3:45 PM</u>
LEASE <u>Saxton</u>		WELL # <u>1-19</u>		LOCATION <u>Buddett North TO</u>		COUNTY <u>Russell</u>	STATE <u>Ks</u>
OLD OR <u>NEW</u> (Circle one)			U RD 1 west 1/4 North west 1/4 TO				

CONTRACTOR Discovery 4
 TYPE OF JOB Surface
 HOLE SIZE 12 1/4 T.D. 1160
 CASING SIZE 8 5/8 DEPTH 1160
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL DEPTH
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT 40.71
 CEMENT LEFT IN CSG.
 PERFS.
 DISPLACEMENT 71.25 BBLS

OWNER Downing Nelson
 CEMENT
 AMOUNT ORDERED 4505X Class A
+ 3% cc + 2% gel

EQUIPMENT
 PUMP TRUCK CEMENTER Wayne
 # 366 HELPER Gary
 BULK TRUCK
 # 473 DRIVER Nick
 BULK TRUCK
 # DRIVER

COMMON	<u>450</u>	@	<u>16.25</u>	<u>7312.00</u>
POZMIX		@		
GEL	<u>9</u>	@	<u>21.25</u>	<u>191.25</u>
CHLORIDE	<u>16</u>	@	<u>58.20</u>	<u>931.20</u>
ASC		@		
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>475</u>	@	<u>2.25</u>	<u>1068.75</u>
MILEAGE	<u>475 X 43 X .11</u>			<u>2.246.75</u>
TOTAL				<u>11749.95</u>

REMARKS:

Pipe on Bottom Break circulation
with Rig mud
Run 10 BBLS water ahead
Mix 4505X Class A + 3% cc + 2% gel
Shut Down Release Plug
Displace 71.25 BBLS
Land Plug at 800 PSI
Cement did circulate

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

SERVICE

DEPTH OF JOB	<u>1160</u>		
PUMP TRUCK CHARGE			<u>1925.00</u>
EXTRA FOOTAGE		@	
MILEAGE Truck	<u>86</u>	@	<u>7.00</u> <u>602.00</u>
MANIFOLD		@	
		@	
TOTAL <u>2527.00</u>			

PLUG & FLOAT EQUIPMENT

Rubber Plug	@	<u>112.00</u>	<u>112.00</u>
Gaffle Plate	@	<u>112.00</u>	<u>112.00</u>
	@		
	@		

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

DRILL STEM TESTS							
No.	Interval	IFP/Time	ISIP/Time	FFP/Time	FSDP/Time	IRI-PR	RECOVERY
REMARKS AND RECOMMENDATIONS <i>Miss low last productive and at</i>							
<i>Detail section</i>							

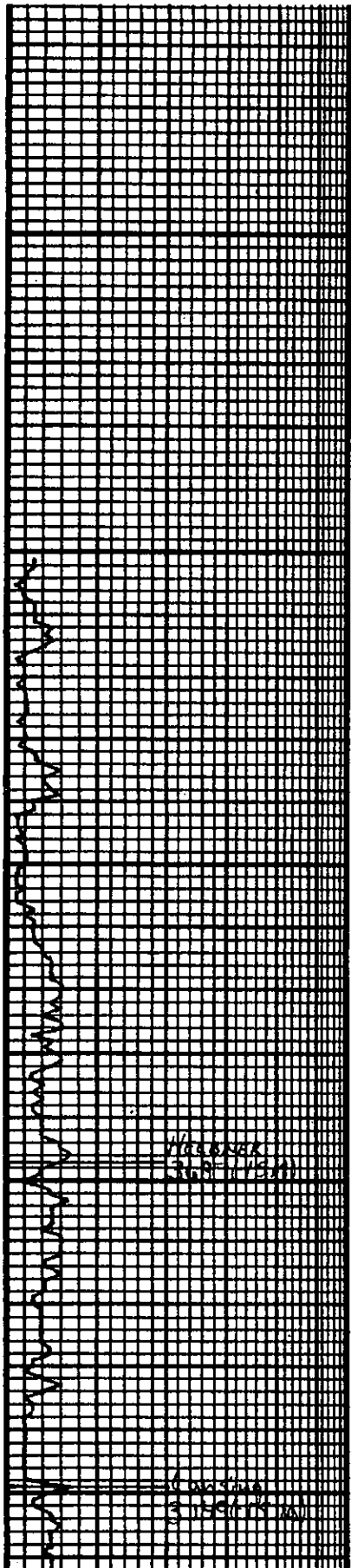
LEGEND

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

REMARKS	
	OIL SHOWS
	SAMPLE DESCRIPTIONS
LITHOLOGY	
DEPTH	
DRILLING TIME IN MINUTES PER FOOT Rate of Penetration Decreases	

7515

L09 7710

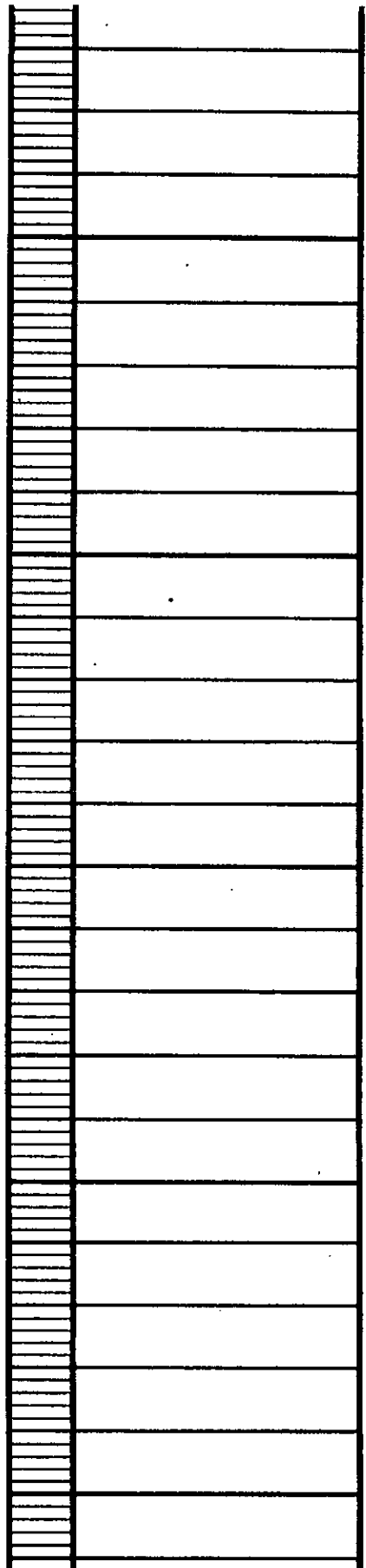


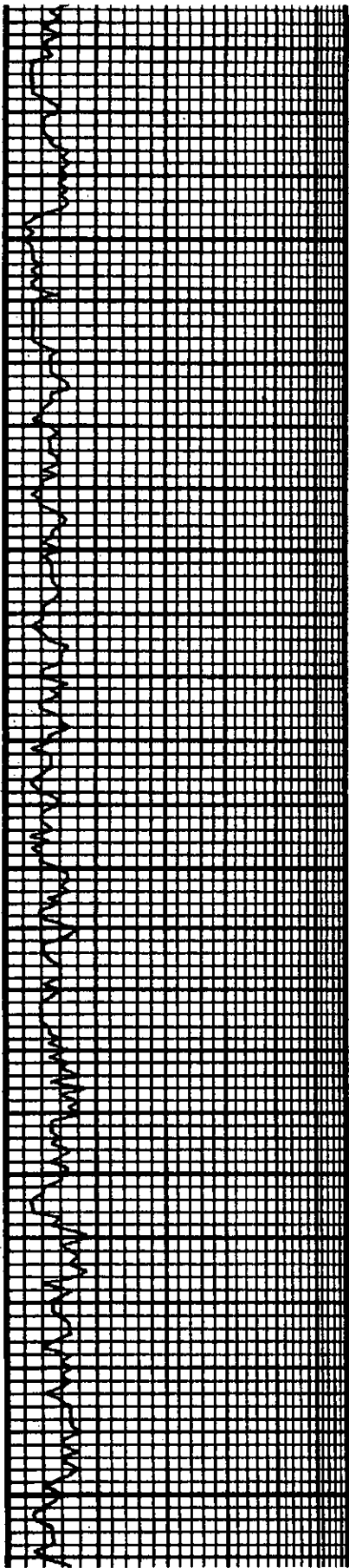
3600

50

3700

50





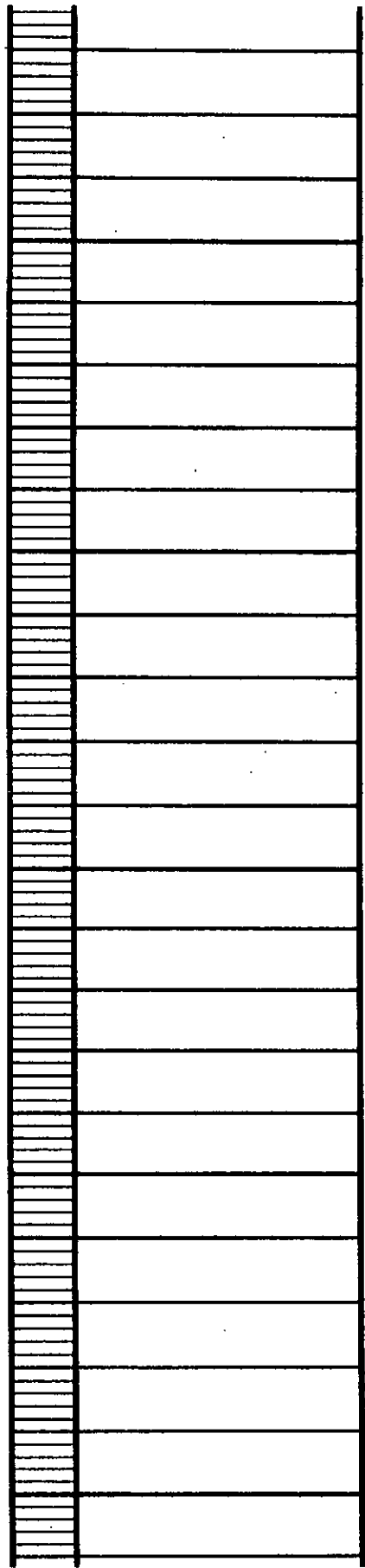
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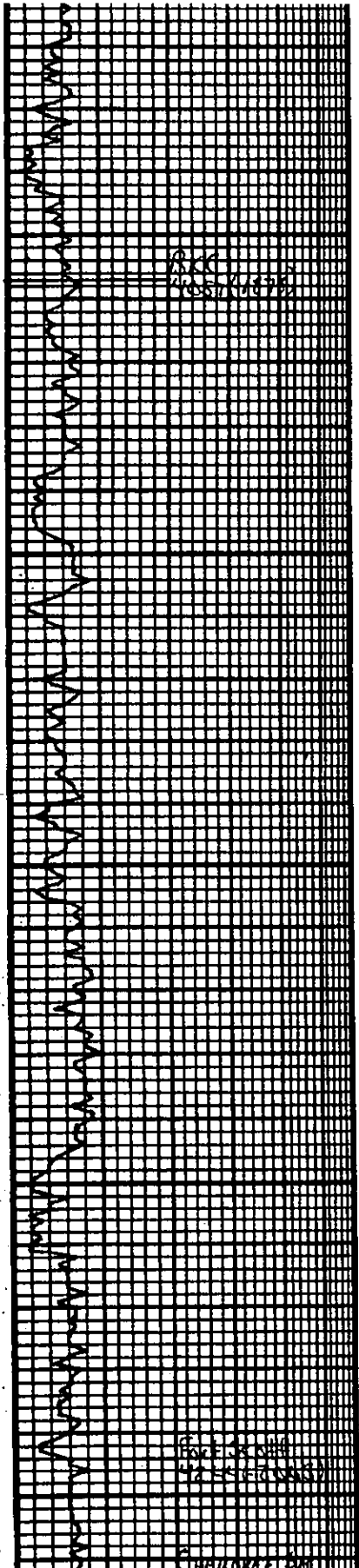
50

3900

50

4000





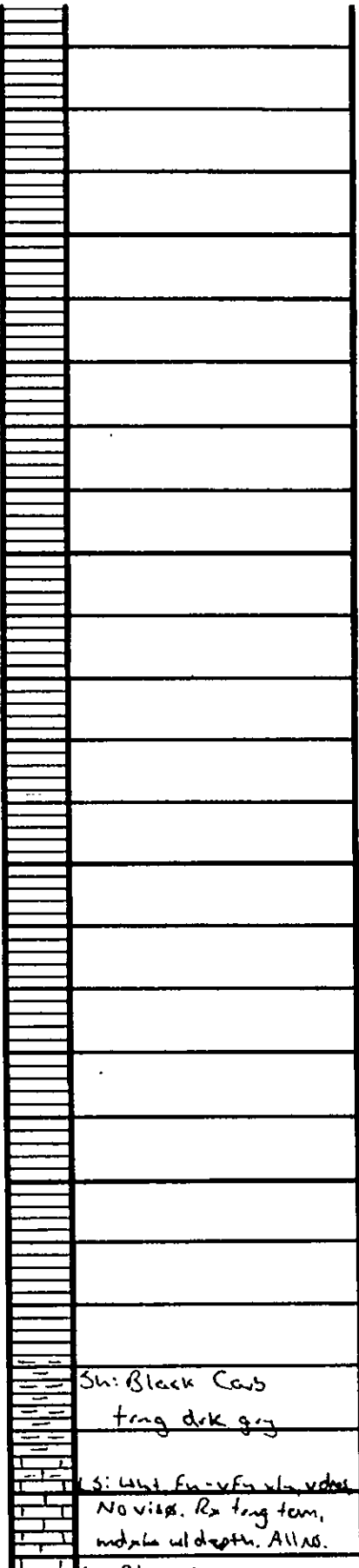
50

4100

50

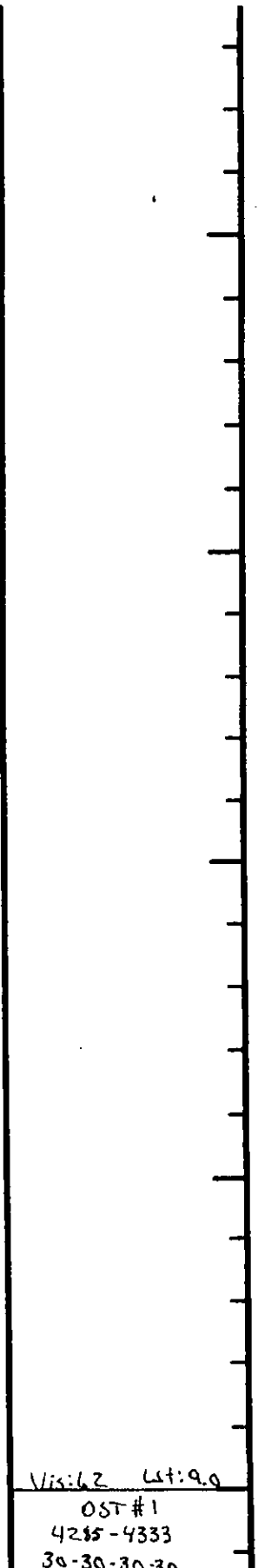
4200

50

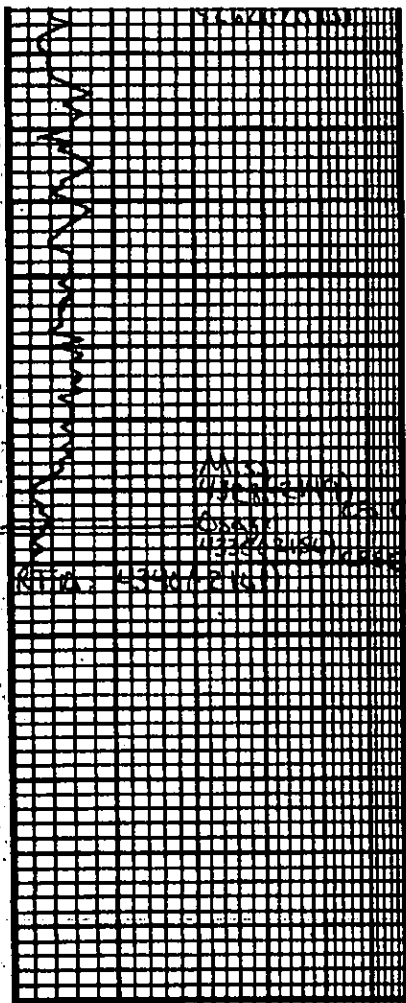


Sh: Black Carb
feng drk grey

S: Light fu-vfu vla vdr
No visib. Rn feng tem,
mdala ul depth. Allas.

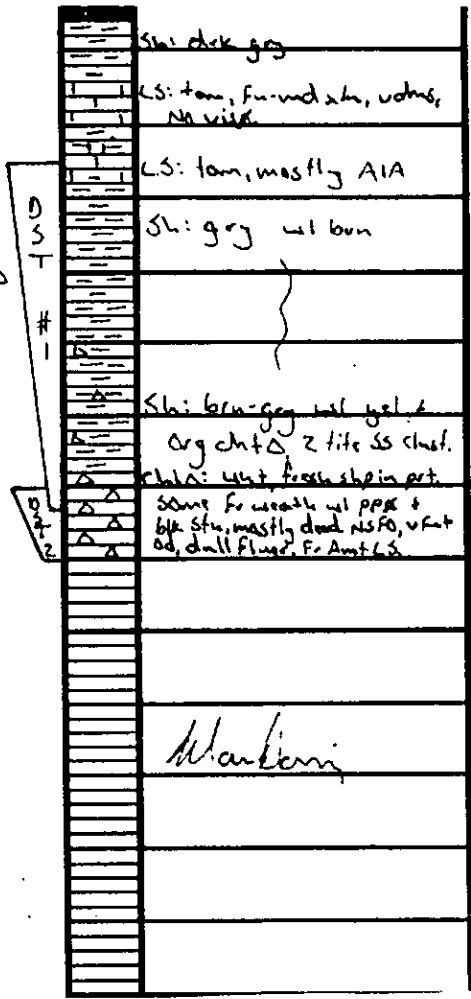


Vis: 6.2 Lt: 9.0
OST #1
4285-4333
30-30-30-30



4300

50



Sh: dk gr

LS: tan, f-mud sh, v. sh, NA v. sh

LS: tan, mostly AIA

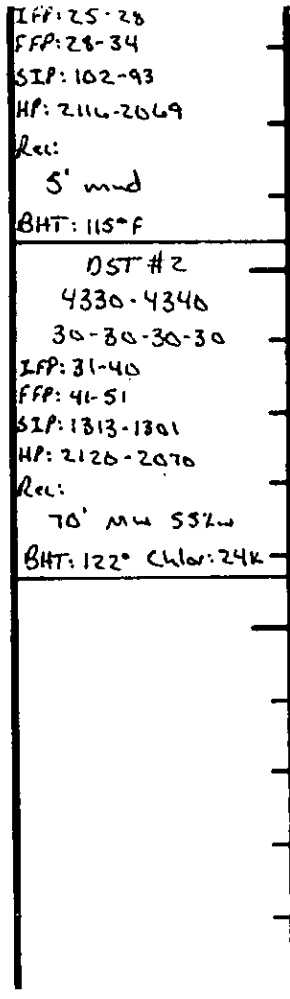
Sh: gr w/ bun

Sh: brn-gr w/ yel. & org chnt & 2 lite ss chnt.

chnt: 4st fresh sh in pt.

Some fr. weath. w/ pop & brk sh, mostly dead NFO, v. fat ad, dull flint, Fr. Amt 65

Mankini



IFF: 25-28

FFP: 28-34

SIP: 102-93

HP: 2116-2069

Rec: 5' mud

BHT: 115°F

DST #2

4330-4340

30-30-30-30

IFF: 31-40

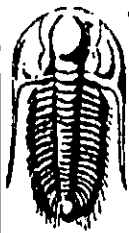
FFP: 41-51

SIP: 1313-1301

HP: 2120-2070

Rec: 70' mu 55% w'

BHT: 122° Chlor: 24K



**TRIOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Dow ning-Nelson Oil Co Inc

Saxton Family Unit #1-19

P O Box 1019
Hays Ks 67601

19-20s-20w Pawnee

Job Ticket: 43624

DST#: 1

ATTN: Ron Nelson

Test Start: 2011.07.15 @ 13:35:11

GENERAL INFORMATION:

Formation: **Miss**

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

Time Tool Opened: 16:09:06

Time Test Ended: 19:50:35

Test Type: **Conventional Bottom Hole**

Tester: **Ray Schwager**

Unit No: **42**

Interval: **4285.00 ft (KB) To 4333.00 ft (KB) (TVD)**

Reference Elevations: **2181.00 ft (KB)**

Total Depth: **4333.00 ft (KB) (TVD)**

2173.00 ft (CF)

Hole Diameter: **7.85 inches** Hole Condition: **Fair**

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

Serial #: **6625**

Inside

Press@RunDepth: **33.66 psig @ 4298.00 ft (KB)**

Capacity: **8000.00 psig**

Start Date: **2011.07.15**

End Date:

2011.07.15

Last Calib.: **2011.07.15**

Start Time: **13:35:11**

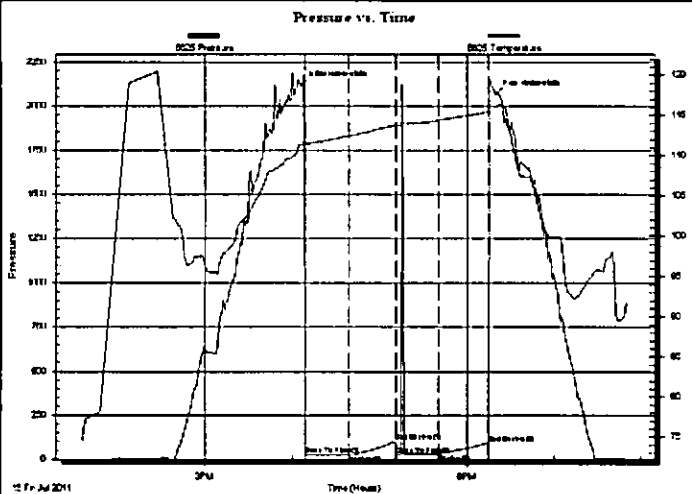
End Time:

19:50:35

Time On Btm: **2011.07.15 @ 16:06:36**

Time Off Btm: **2011.07.15 @ 18:20:05**

TEST COMMENT: 30-IFP-surface bl, died in 10 min
30-ISIP-no bl
30-FFP-no bl flushed tool
30-FSIP-no bl



PRESSURE SUMMARY

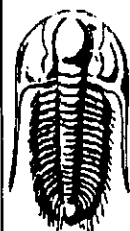
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2115.79	111.34	Initial Hydro-static
3	25.27	111.60	Open To Flow (1)
32	27.93	112.39	Shut-In(1)
64	102.05	113.72	End Shut-In(1)
65	28.31	113.71	Open To Flow (2)
94	33.66	114.34	Shut-In(2)
129	93.36	115.45	End Shut-In(2)
134	2069.35	116.04	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud	0.02

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Downing-Nelson Oil Co Inc

Saxton Family Unit #1-19

P O Box 1019
Hays Ks 67601

19-20s-20w Pawnee

Job Ticket: 43624 **DST#: 1**

ATTN: Ron Nelson

Test Start: 2011.07.15 @ 13:35:11

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:

ppm

Viscosity: 62.00 sec/qt

Cushion Volume:

bbl

Water Loss: 11.11 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Mud	0.025

Total Length: 5.00 ft

Total Volume: 0.025 bbl

Num Fluid Samples: 0

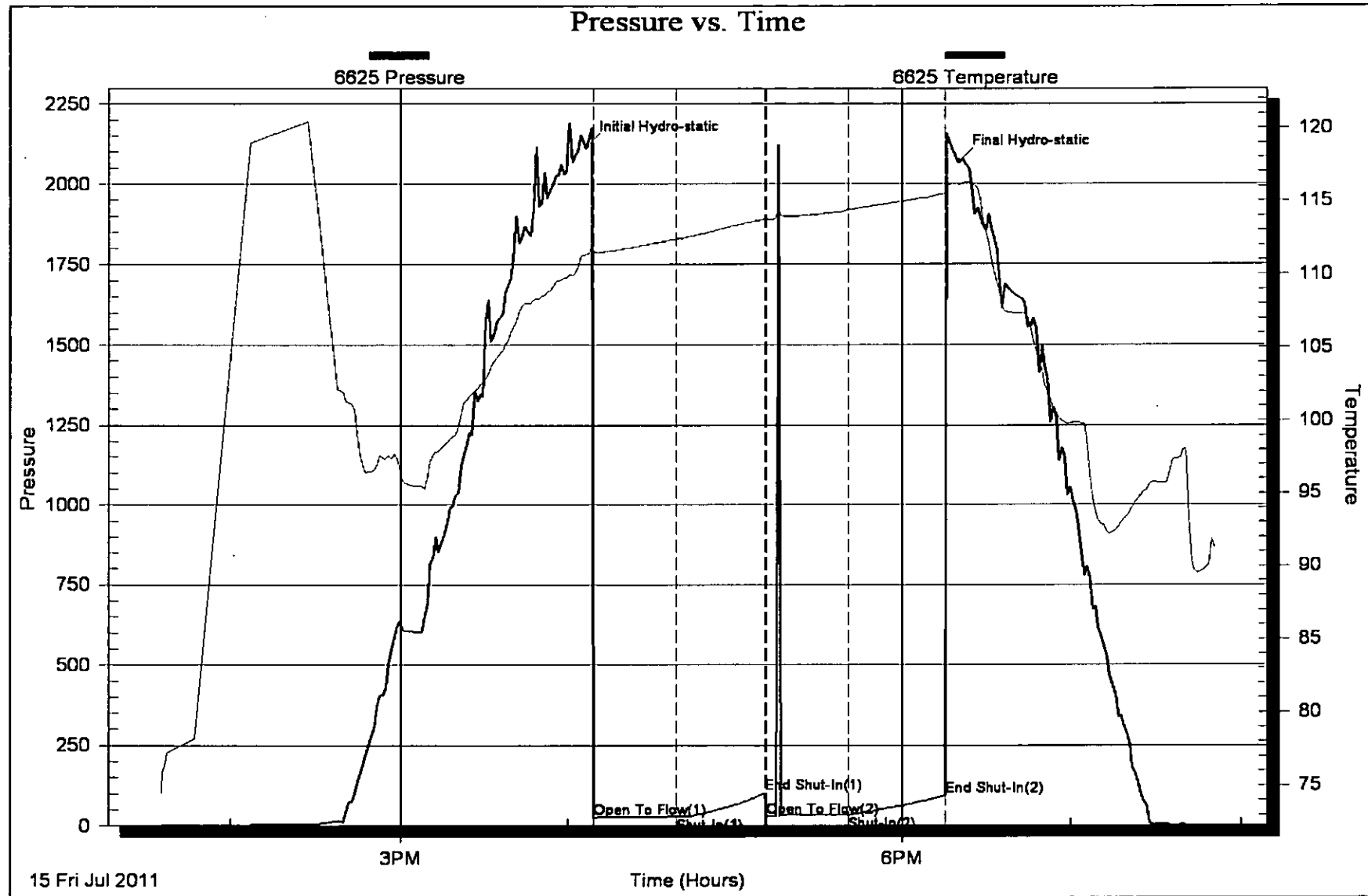
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRIOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Downing-Nelson Oil Co Inc

Saxton Family Unit #1-19

P O Box 1019
Hays Ks 67601

19-20s-20w Pawnee

Job Ticket: 43625

DST#: 2

ATTN: Ron Nelson

Test Start: 2011.07.16 @ 01:25:05

GENERAL INFORMATION:

Formation: **Miss**

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

Time Tool Opened: 03:30:30

Time Test Ended: 07:12:59

Test Type: **Conventional Bottom Hole**

Tester: **Ray Schwager**

Unit No: **42**

Interval: **4330.00 ft (KB) To 4340.00 ft (KB) (TVD)**

Reference Elevations: **2181.00 ft (KB)**

Total Depth: **4343.00 ft (KB) (TVD)**

2173.00 ft (CF)

Hole Diameter: **7.85 inches** Hole Condition: **Fair**

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

Serial #: 6625 **Inside**

Press@RunDepth: **50.55 psig @ 4331.00 ft (KB)**

Capacity: **8000.00 psig**

Start Date: **2011.07.16**

End Date:

2011.07.16

Last Calib.: **2011.07.16**

Start Time: **01:25:05**

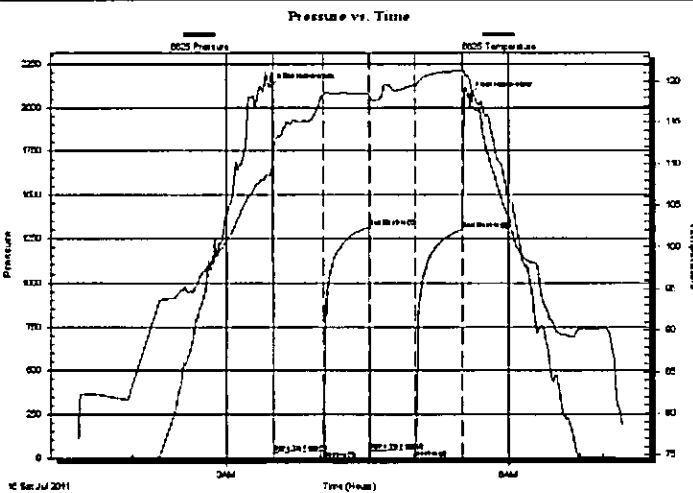
End Time:

07:12:59

Time On Btm: **2011.07.16 @ 03:28:00**

Time Off Btm: **2011.07.16 @ 05:34:30**

TEST COMMENT: 30-IFP-w k bl 1/4"to 1 1/2"bl
30-ISIP-no bl
30-FFP-surface bl thru-out
30-FSIP-no bl



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2119.91	108.55	Initial Hydro-static
3	30.92	111.88	Open To Flow (1)
34	39.80	118.32	Shut-In(1)
63	1313.37	118.51	End Shut-In(1)
64	41.13	118.15	Open To Flow (2)
93	50.55	119.48	Shut-In(2)
123	1300.57	121.28	End Shut-In(2)
127	2069.84	120.61	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
70.00	MW 45%M55%W	0.71

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Downing-Nelson Oil Co Inc

Saxton Family Unit #1-19

P O Box 1019
Hays Ks 67601

19-20s-20w Pawnee

Job Ticket: 43625 **DST#: 2**

ATTN: Ron Nelson

Test Start: 2011.07.16 @ 01:25:05

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: 24000 ppm

Viscosity: 62.00 sec/qt

Cushion Volume:

bbl

Water Loss: 11.09 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
70.00	MW 45%M55%W	0.709

Total Length: 70.00 ft Total Volume: 0.709 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW.28@70F

