



KANSAS CORPORATION COMMISSION 1075114
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: Alan Downing
Phone: (785) 621-2610
CONTRACTOR: License # 31548
Name: Discovery Drilling
Wellsite Geologist: Marc Downign
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
 Conningled Permit #:
 Dual Completion Permit #:
 SWD Permit #:
 ENHR Permit #:
 GSW Permit #:
02/09/2012 02/18/2012 02/19/2012
Spud Date or Date Reached TD Completion Date or Recompletion Date

API No. 15 - 15-145-21665-00-00
Spot Description: SW NW SW NE Sec. 20 Twp. 20 S. R. 20 East West
1845 Feet from North / South Line of Section
2400 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Pawnee
Lease Name: KTM Unit Well #: 1-20
Field Name:
Producing Formation: None
Elevation: Ground: 2188 Kelly Bushing: 2196
Total Depth: 4847 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 1157 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 cml.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)
Chloride content: 18000 ppm Fluid volume: 400 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 Approved by: NAOMI JAMES Date: 03/29/2012



1075114

Operator Name: Downing-Nelson Oil Co Inc Lease Name: KTM Unit Well #: 1-20
Sec. 20 Twp. 20 S. R. 20 [] East [x] 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 [x] Yes [] No
Samples Sent to Geological Survey [] Yes [x] No
Cores Taken [] Yes [x] No
Electric Log Run [x] Yes [] No
Electric Log Submitted Electronically [x] Yes [] No

[x] Log Formation (Top), Depth and Datum [] Sample
Name Top Datum
Attached Attached Attached

List All E. Logs Run:
Attached

CASING RECORD [x] New [] Used
Report all strings set-conductor, surface, intermediate, production, etc.
Table with columns: Purpose of String, Size Hole Drifed, Size Casing Set (In O.D.), Weight Lbs. / Ft, Setting Depth, Type of Cement, # Sacks Used, Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD
Table with columns: Purpose, Depth Top Bottom, Type of Cement, # Sacks Used, Type and Percent Additives


PERFORATION RECORD - Bridge Plugs Set/Type
Specify Footage of Each Interval Perforated
Table with columns: Shots Per Foot, Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used), Depth

TUBING RECORD: Size: 2.875 Set At: 4694.99 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

DISPOSITION OF GAS: [] Vented [] Sold [] Used on Lease
METHOD OF COMPLETION: [] Open Hole [] Perf. [] Dually Comp. [] Commingled [] Other (Specify)
PRODUCTION INTERVAL:

Form	ACO1 - Well Completion
Operator	Downing-Nelson Oil Co Inc
Well Name	KTM Unit 1-20
Doc ID	1075114

All Electric Logs Run


Micro
Sonic
Compensated Porosity
Dual Inductiom

Form	ACO1 - Well Completion
Operator	Downing-Nelson Oil Co Inc
Well Name	KTM Unit 1-20
Doc ID	1075114

Tops

Name	Top	Datum
Top Anhydrite	1373'	+825
Base Anhydrite	1400'	+798
Heebner	3719'	-1521
LKC	3768'	-1570
BKC	4078'	-1880
Fort Scott	4248'	-2050
Cherokee Shale	4276'	-2078
Mississippi	4345'	-2147
Gilmore City	4397'	-2199
Viola	4490'	-2292
Simpson Shale	4682'	-2484
Arbuckle	4394'	-2496

ALLIAD CEMENTING CO., LLC. 042478

J. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:

Great Bend

DATE <u>2-10-12</u>	SEC. <u>20</u>	TWP. <u>20</u>	RANGE <u>20</u>	CALLED OUT	ON LOCATION	JOB START <u>3:00 pm</u>	JOB FINISH <u>4:00 pm</u>
LEASE <u>KTM unit</u>	WELL # <u>1-20</u>	LOCATION <u>Alexander, 11 1/4 south west</u>			COUNTY <u>Pawnee</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR Discovery Drilling
 TYPE OF JOB Surface
 HOLE SIZE 12 1/4 T.D. 1157
 CASING SIZE 8 5/16 24# DEPTH 1157
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE _____ DEPTH _____
 TOOL _____ DEPTH _____
 PRES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOE JOINT 42.54
 CEMENT LEFT IN CSG. _____
 PERFS. _____
 DISPLACEMENT 71 BBLs

EQUIPMENT

PUMP TRUCK CEMENTER Wayne P.
 # 366 HELPER Rustin G.
 BULK TRUCK _____
 # 344-170 DRIVER _____
 BULK TRUCK _____
 # _____ DRIVER _____

REMARKS:

pipe on bottom, break circulation with rig mud
Hookup to casing mix 475 sks class A 3/4 cc
Dr. Y. gel shut down Release plug
Displace 71 BBLs Freshwater
loader plug & too pass
short cement did circulate
washed up & rig down

CHARGE TO: Downing & Nelson Oil Eng.
 STREET _____
 CITY _____ STATE _____ ZIP _____

OWNER Downing Nelson

CEMENT
 AMOUNT ORDERED 475 sks class A 3/4 cc
2% gel

COMMON <u>475</u>	@ <u>16.25</u>	<u>7,718.75</u>
FOZMIX _____	@ _____	_____
GEL <u>9</u>	@ <u>21.25</u>	<u>191.25</u>
CHLORIDE <u>13</u>	@ <u>58.20</u>	<u>756.60</u>
ASC _____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____
HANDLING <u>497</u>	@ <u>2.25</u>	<u>1,118.25</u>
MILEAGE <u>497 x .40 x .11</u>		<u>218.60</u>
TOTAL		<u>11,971.65</u>

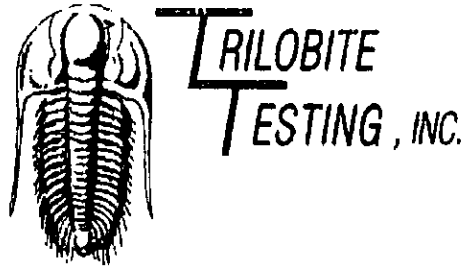
SERVICE

DEPTH OF JOB <u>1157</u>		
PUMP TRUCK CHARGE _____	<u>1125.00</u>	
EXTRA FOOTAGE <u>60'</u>	@ <u>.95</u>	<u>570.00</u>
MILEAGE <u>Hum 80</u>	@ <u>7.00</u>	<u>560.00</u>
MANIFOLD _____	@ _____	_____
<u>Hum 80</u>	@ <u>4.00</u>	<u>320.00</u>
_____	@ _____	_____
TOTAL		<u>2,575.00</u>

PLUG & FLOAT EQUIPMENT

<u>300 gal plug</u>	@ <u>112.00</u>	<u>112.00</u>
<u>1200 gal plug</u>	@ <u>43.00</u>	
_____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____

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



DRILL STEM TEST REPORT

Prepared For: **Downing-Nelson Oil Co Inc**

PO Box 1019
Hays KS 67601

A.P.N: Ron Nelson

KTM Unit #1-20

20-20s-20w Pawnee,KS

Start Date: 2012.02.16 @ 09:00:06

End Date: 2012.02.16 @ 15:18:30

Job Ticket #: 46845 DST #: 1

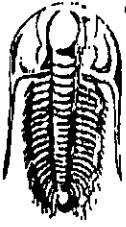
Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2012.02.17 @ 16:17:42

Downing-Nelson Oil Co Inc
20-20s-20w Pawnee,KS
KTM Unit #1-20
DST # 1
Miss
2012.02.16



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Downing-Nelson Oil Co Inc

20-20s-20w Pawnee, KS

PO Box 1019
Hays KS 67601

KTM Unit #1-20

Job Ticket: 46845

DST#: 1

ATTN: Ron Nelson

Test Start: 2012.02.16 @ 09:00:06

GENERAL INFORMATION:

Formation: Miss

Deviate: No Whipstock: ft (KB)

Time Test Opened: 11:22:01

Time Test Ended: 15:18:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Ray Schwager

Unit No: 42

Interval: 4290.00 ft (KB) To 4348.00 ft (KB) (TVD)

Reference Elevations: 2196.00 ft (KB)

Total Depth: 4348.00 ft (KB) (TVD)

2188.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 6625

Inside

Pressure/Run Depth: 50.64 psig @ 4294.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.02.16

End Date:

2012.02.16

Last Calib.:

2012.02.16

Start Time: 09:00:06

End Time:

15:18:30

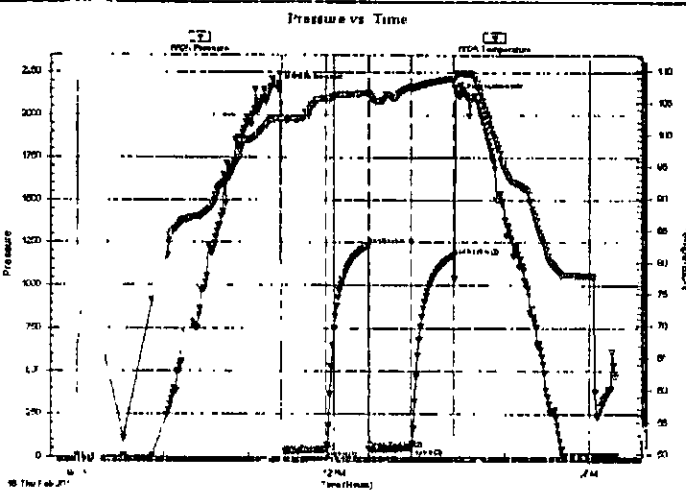
Time On Btm:

2012.02.16 @ 11:20:01

Time Off Btm:

2012.02.16 @ 13:28:30

TEST COMMENT: 30-IFP-w k bl 1/4"to 3/4"bl
30-IFP no bl
30-FFP-w k bl 3/4"bl
30-w. bl



PRESSURE SUMMARY

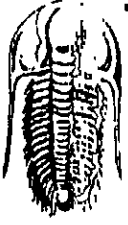
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2160.44	102.38	Initial Hydro-static
2	26.32	102.02	Open To Flow (1)
34	39.66	105.68	Shut-In(1)
64	1237.21	106.50	End Shut-In(1)
65	42.29	106.24	Open To Flow (2)
94	50.64	107.42	Shut-In(2)
124	1177.38	108.79	End Shut-In(2)
129	2105.35	109.56	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	SOGV 1%OAT%M	0.57

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Downing-Nelson Oil Co Inc

20-20s-20w Pawnee,KS

PO Box 1019
Hays KS 67601

KTM Unit #1-20

Job Ticket: 46845

DST#: 1

ATTN: Ron Nelson

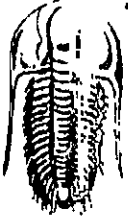
Test Start: 2012.02.16 @ 09:00:06

Tool Information

Drill Pipe	Length: 4261.00 ft	Diameter: 3.80 inches	Volume: 59.77 bbl	Tool Weight: 2200.00 lb
Heavy Wall Pipe	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 70000.00 lb
			Total Volume: 59.92 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	29.00 ft			String Weight: Initial 58000.00 lb
Depth Top Packer:	4261.00 ft			Final 58000.00 lb
Depth Bottom Packer:	0.00 ft			
Interval between Packers:	0.00 ft			
Tool Length:	36.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4263.00	
Shut In Tool	5.00			4268.00	
Hydrat Tool	5.00			4273.00	
Jars	5.00			4278.00	
Safety Bit	2.00			4280.00	
Packer	5.00			4285.00	28.00 Bottom Of Top Packer
Packer	5.00			4290.00	
Stubb	1.00			4291.00	
Performances	3.00			4294.00	
Record	0.00	6625	Inside	4294.00	
Record	0.00	8700	Outside	4294.00	
Blank Logging	31.00			4325.00	
Performances	20.00			4345.00	
Bullnose	3.00			4348.00	58.00 Bottom Packers & Anchor
Total Tool Length:		86.00			



**TRIOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Downing-Nelson Oil Co Inc

20-20s-20w Pawnee, KS

PO Box 1019
Hays KS 67601

KTM Unit #1-20

Job Ticket: 46845

DST#: 1

ATTN: Ron Nelson

Test Start: 2012.02.16 @ 09:00:06

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	deg API
Mud Weight:	10.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	60.00 sec/st	Cushion Volume:	bbbl		
Water Content:	873 lb/bbl	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	8800.00 ppm				
Filter Paper:	1.00 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
60.00	SOCM 1%O99%M	0.568

Total Length: 60.00 ft Total Volume: 0.568 bbl

Num Fluid Samples: 0

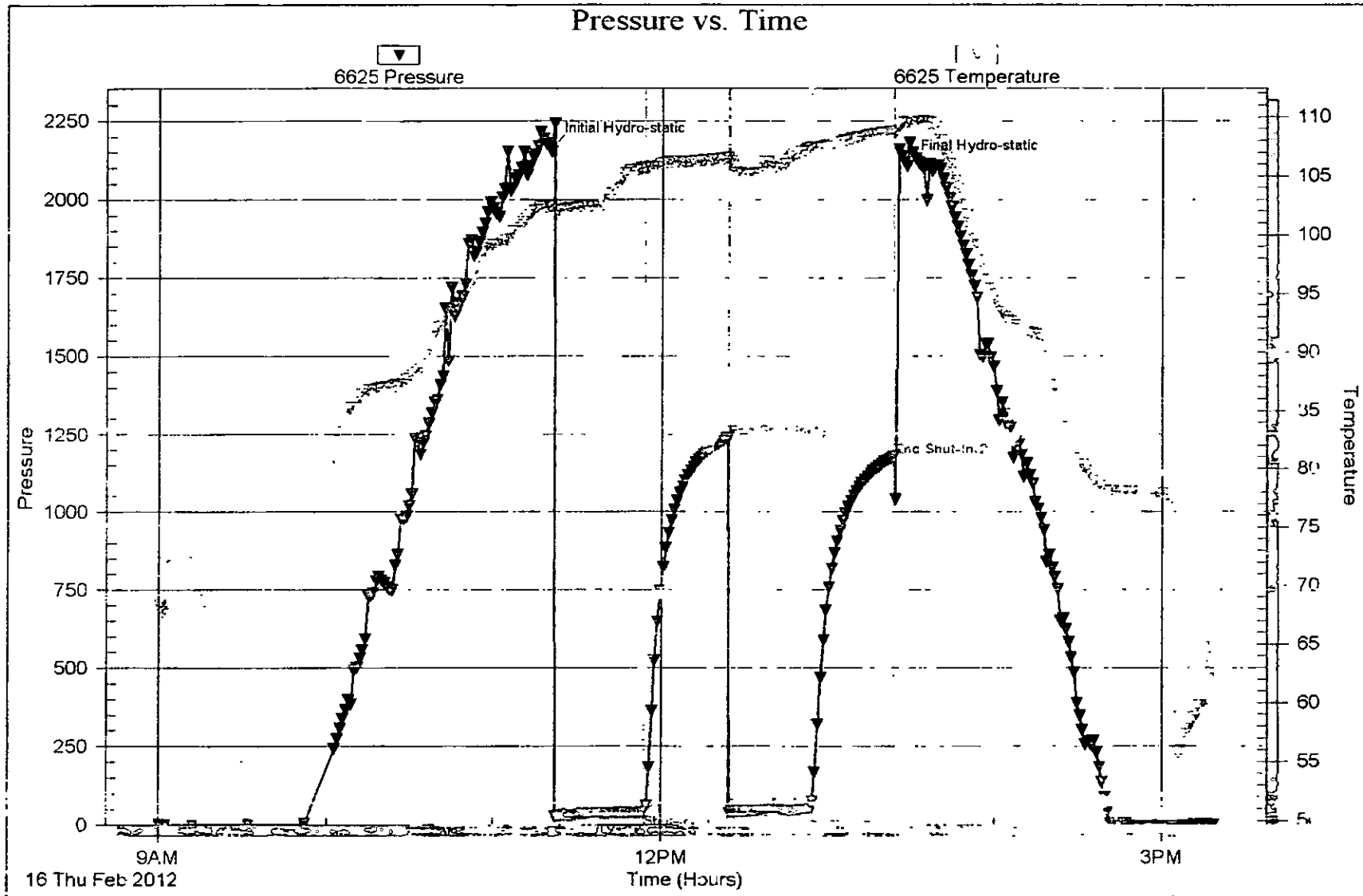
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

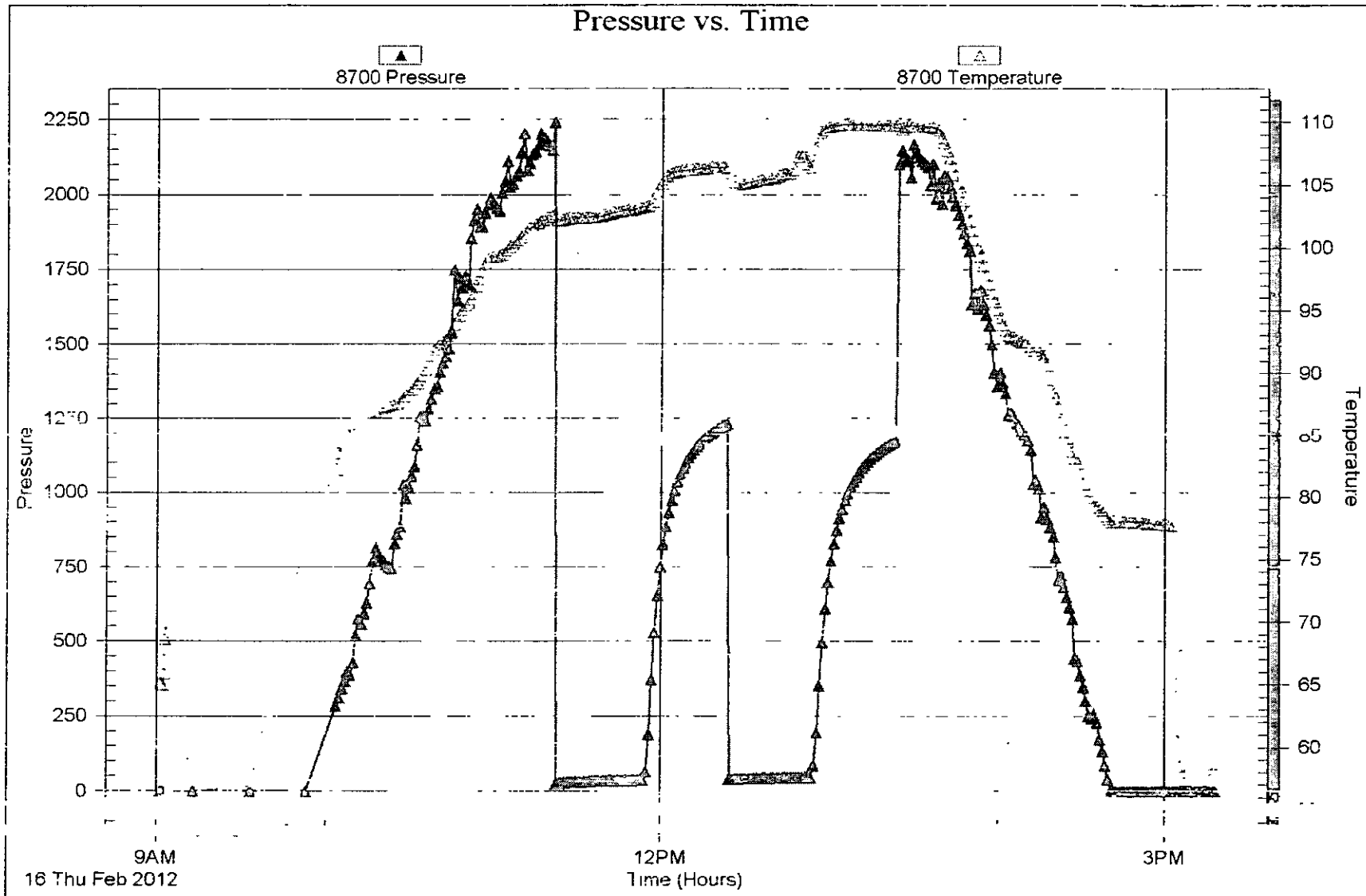


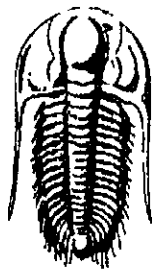
Serial #: 8700

Outside Downing-Nelson Oil Co Inc

KTM Unit #1-20

DST Test Number: 1





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Downing-Nelson Oil Co Inc**

PO Box 1019
Hays KS 67601

ATTN: Ron Nelson

KTM Unit #1-20

20-20s-20w Pawnee,KS

Start Date: 2012.02.16 @ 23:45:36

End Date: 2012.02.17 @ 06:55:00

Job Ticket #: 46846 DST #: 2

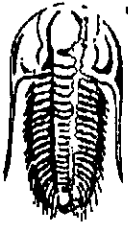
Trilobite Testing Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2012.02.17 @ 16:14:37

Downing-Nelson Oil Co Inc
20-20s-20w Pawnee,KS
KTM Unit #1-20
DST # 2
Miss
2012.02.16



**TRIOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Downing-Nelson Oil Co, Inc

20-20s-20w Pawnee, KS

PO Box 1019
Hays KS 67601

KTM Unit #1-20

Job Ticket: 46846

DST#: 2

ATTN: Ron Nelson

Test Start: 2012.02.16 @ 23:45:36

GENERAL INFORMATION:

Formation: **Miss**

Deviation: **No** W/stock: **91 (KB)**

Time Test Opened: **01:48:3**

Test Type: **Conventional Bottom Hole (Reset)**

Tester: **Ray Schwager**

Time Test Ended: **06:55:0**

Unit No: **42**

Interval: **4348.00 ft (KB) To 4371.00 ft (KB) (TVD)**

Reference Elevations: **2196.00 ft (KB)**

Total Interval: **4371.00 ft (KB) (TVD)**

2188.00 ft (CF)

Hole Diameter: **7.875 inches** Hole Condition: **Fair**

KB to GR/CF: 8.00 ft

Serial #: **6625**

Side: **Right**

Pressure/Run Depth: **149.48 psig @ 4349.00 ft (KB)**

Capacity: **8000.00 psig**

Start Date: **2012.02.16**

End Date:

2012.02.17

Last Calib.: **2012.02.17**

Start Time: **23:45:36**

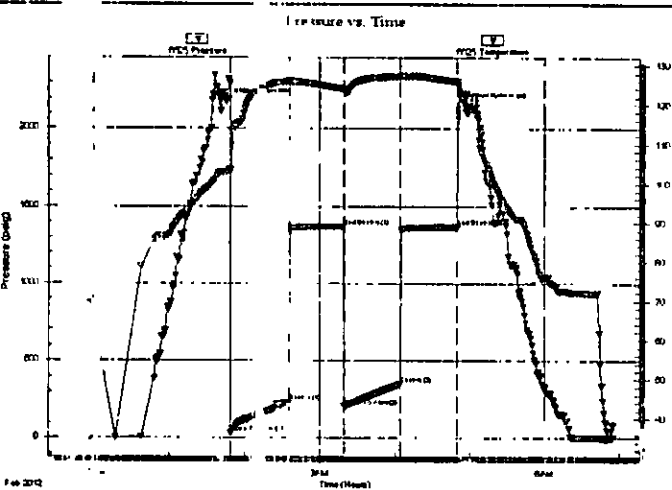
End Time:

06:55:00

Time On Btm: **2012.02.17 @ 01:45:31**

Time Off Btm: **2012.02.17 @ 04:56:30**

TEST COMMENT: 45-#FF-wk to strg in 18 min
45-#31-# no bl
45-#FF-wk to strg in 3 min
45-#31-# no bl



PRESSURE SUMMARY

Time (Min)	Pressure (psig)	Temp (deg F)	Annotation
0	2175.30	102.72	Initial Hydro-static
3	33.40	103.01	Open To Flow (1)
50	233.82	125.82	Shut-In(1)
93	1371.84	124.04	End Shut-In(1)
94	205.93	123.53	Open To Flow (2)
139	349.48	127.22	Shut-In(2)
185	1367.45	125.93	End Shut-In(2)
191	2149.70	122.77	Final Hydro-static

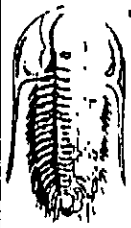
Recovery

Length (ft)	Description	Volume (bbl)
105.0	SCCMW 1% C15% M84% W	1.20
600.0	Water	8.42

Gas Rates

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

* Recovery in multiple tests



**TRIOLETTE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Downing-Nelson Oil Co Inc

20-20s-20w Pawnee, KS

PO Box 1019
Hays KS 67601

KTM Unit #1-20

Job Ticket: 46846

DST#: 2

ATTN: Ron Nelson

Test Start: 2012.02.16 @ 23:45:36

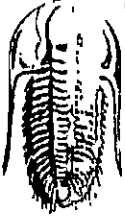
Tool Information

Drill Pipe	Length: 1120.00 ft	Diameter: 3.80 inches	Volume: 60.60 bbl	Tool Weight: 2200.00 lb
Heavy Wall Pipe	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar	Length: 10.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 70000.00 lb
			Total Volume: 60.75 bbl	Tool Chased 0.00 ft
Drill Pipe above KE:	11.00 ft			String Weight Initial 49000.00 lb
Depth top Packer:	4343.00 ft			Final 55000.00 lb
Depth bottom Packer:	ft			
Interval between Packers:	23.00 ft			
Tool Length:	51.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Changeover Sub	1.00			4321.00	
Shut In	5.00			4326.00	
Hydratool	5.00			4331.00	
Jets	5.00			4336.00	
Safety bit	2.00			4338.00	
Packer	5.00			4343.00	28.00 Bottom Of Top Packer
Packer	5.00			4348.00	
Stubb	1.00			4349.00	
Record	0.00	6625	Inside	4349.00	
Record	0.00	8700	Outside	4349.00	
Perforations	19.00			4368.00	
Bullnose	3.00			4371.00	23.00 Bottom Packers & Anchor

Total Tool Length: 51.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Downing-Nelson Oil Co Inc

20-20s-20w Pawnee,KS

PO Box 1019
Hays KS 67601

KTM Unit #1-20

Job Ticket: 46846

DST#: 2

ATTN: Ron Nelson

Test Start: 2012.02.16 @ 23:45:36

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:		deg API
Mud Volume:	10.00 bbl	Cushion Length:		Water Salinity:		27000 ppm
Viscosity:	60.00 cP	Cushion Volume:				
Water Content:	8.69 %	Gas Cushion Type:				
Residual Solids:	0.00 %	Gas Cushion Pressure:				
Salinity:	5800.00 ppm					
Filter Loss:	1.00 %					

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
105.00	SOCMW 1%O15%M34%W	1.200
600.00	Water	8.416

Total Length: 705.00 ft Total Volume: 9.616 bbl

Number of Samples: 0

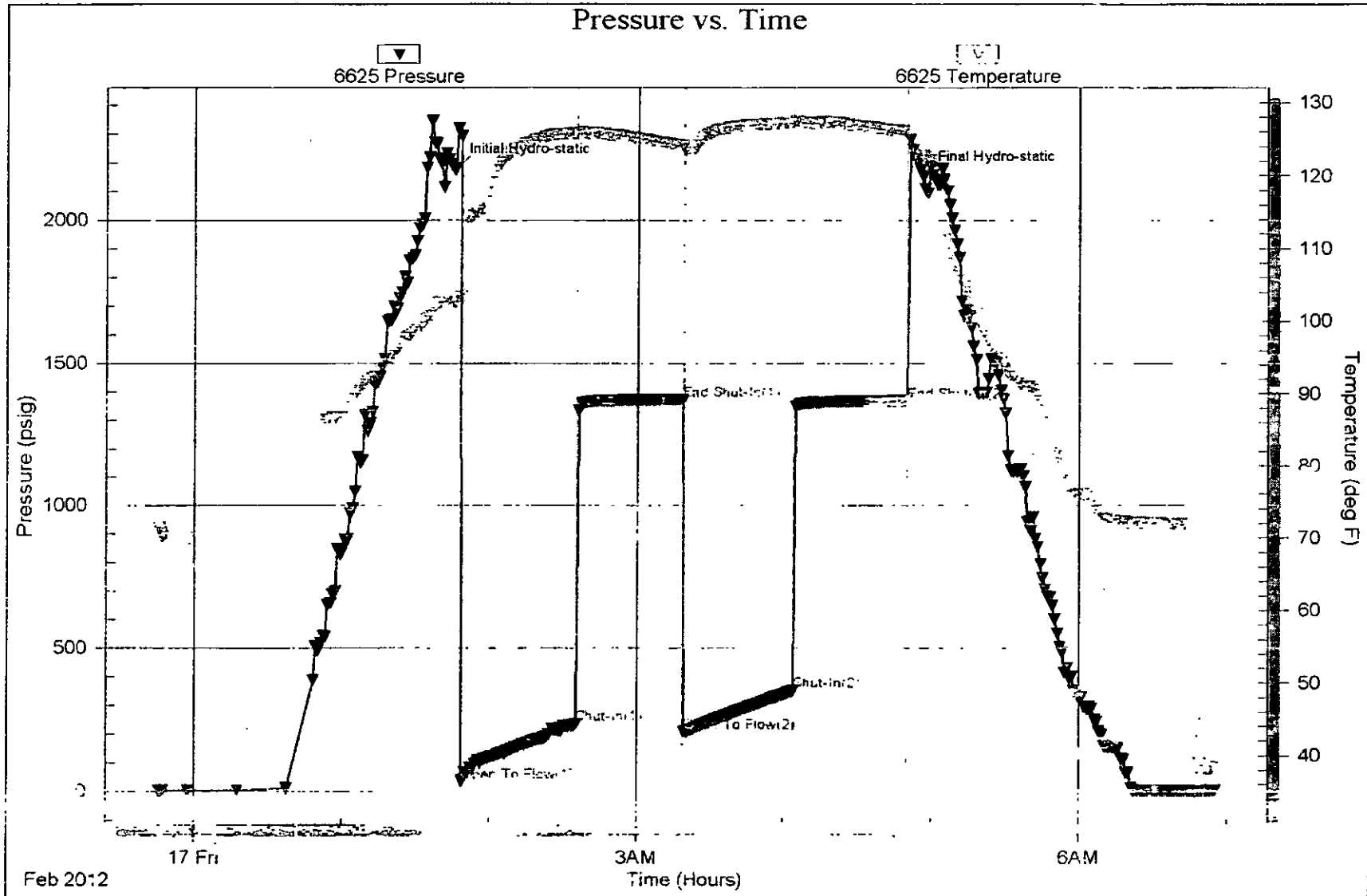
Num Gas Bombs: 0

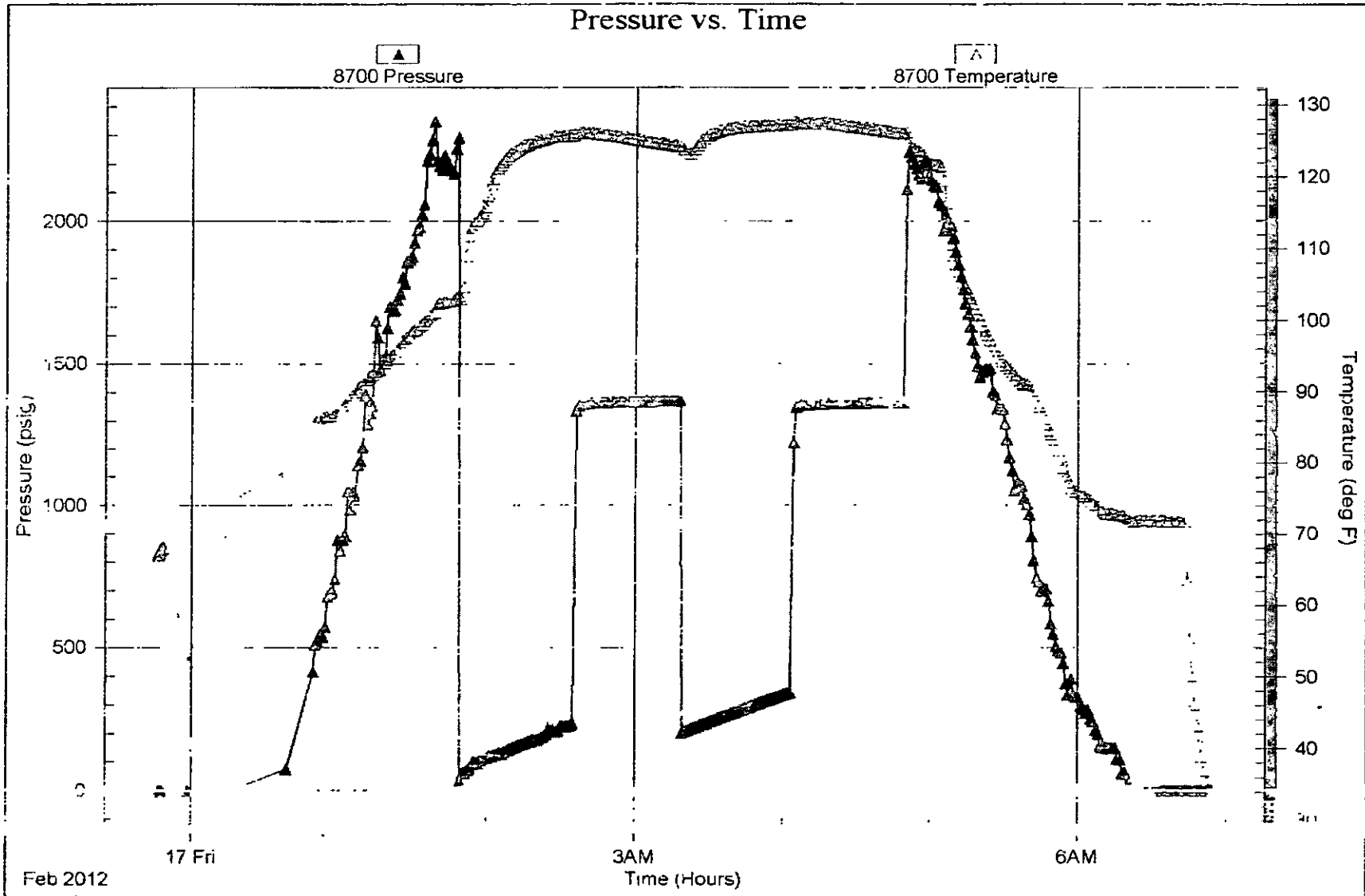
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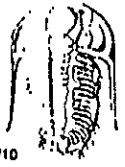
Laboratory Name:

Laboratory Location:

Recovery Comments: RW .24@70F







TRIOBITE TESTING INC.

Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 46845

Well Name No. M Unit 11-20 Test No. 1 Date 2-16-12
 Company Downing Nelson Oil Co Inc Elevation 2196 KB 2188 GL
 Address PO Box 119 Hays Ks 67601
 Co. Rep / Co. MAR Downing Log DISCOVERY 1198
 Location: 20⁵ 20⁵ 20⁵ Co PAWAC State Ks

Interval Test 4210-4348 Zone Tested Misc
 Anchor Length 0 Drill Pipe Run 4261 Mud Wt. 9.5
 Top Packer Depth 3.25 Drill Collars Run 30 Vis 60
 Bottom Packer Depth 3.70 Wt. Pipe Run 8.8 WI 8.8
 Total Depth 4.38 Chlorides 5800 ppm System LCM 1#

Blow Description IFT WEAK Blow 1/4" To 3/4
ISI NO Blow
FFF WEAK Blow 3/4" Blows
F5I NO Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>6</u>	<u>OCM</u>			<u>99</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 60 BHRT 109° Gravity 1.030 API RV 10 °F Chlorides 5800 ppm
 (A) Initial Hydrostatic 2.0 Lost 10.5 T-On Location 0735
 (B) First Initial Flow 0 Jars 15 T-Started 0900
 (C) First Final Flow 0 Safety Joint 15 T-Open 1120
 (D) Initial Shut-in 1.37 Circ Sub T-Pulled 1320
 (E) Second Initial Flow 0 Hourly Standby T-Out 1518
 (F) Second Final Flow 0 Mileage 112 RT 10.30 Comments
 (G) Final Shut-in 1.17 Sampler
 (H) Final Hydrostatic 2.5 Straddle Ruined Shale Packer
 Shale Packer Ruined Packer
 Extra Packer Extra Copies
 Extra Recorder
 Day Standby
 Accessibility
 Sub Total 1100 MP/DST Disc't

Initial Open 30
 Initial Shut-In 30
 Final Flow 3
 Final Shut-In 4

Approved By _____ Our Representative Ray Schwager Thack
404

Triobite Testing Inc. will not be liable for damage to any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRIOBITE TESTING INC.

Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 46846

Well Name & No.	M Unit # 1-20	Test No.	2	Date	2-16-12
Company	Downing Nelson Oil Co. Inc.	Elevation	2196	KB	2188 GL
Address	PO Box 1019 Hays, KS 67601				
Co. Rep / Location	Downing	Fig.	Discovery 194		
	20 ⁵	Fig.	20 ⁵	Co.	PAWNEE
				State	Ks

Interval Top	434	4371	Zone Tested	M 55
Anchor Log	2		Drill Pipe Run	4320
Top Packer Depth	4313		Drill Collars Run	30
Bottom Packer Depth	4338		WT. Pipe Run	
Total Depth	4371		Chlorides	5800 ppm System
			LCM	1#

Blow Description	IFP	WEAK TO STRONG (in 13 min)
	ISF	NO BLOW
	FFP	WEAK TO STRONG (in 30 min)
	FSF	NO BLOW

Rec 10	Feet of	SEC MW	%gas	1	%oil	84	%water	15	%mud
Rec 60	Feet of	WATER	%gas		%oil		%water		%mud
Rec	Feet of		%gas		%oil		%water		%mud
Rec	Feet of		%gas		%oil		%water		%mud
Rec	Feet of		%gas		%oil		%water		%mud

Rec Total	705	BIT	126	Gravity	---	API RW	.24 @ 70 °F	Chlorides	27000 ppm
(A) Initial Hydraulic	5			<input checked="" type="checkbox"/> Tool	1-10-12			T-On Location	2245
(B) First Initial Flow				<input checked="" type="checkbox"/> Jars	250			T-Started	2345
(C) First Final Flow	3			<input checked="" type="checkbox"/> Safety Joint	115			T-Open	0150
(D) Initial Shut-in	27			<input type="checkbox"/> Circ Sub				T-Pulled	0450
(E) Second Initial Flow	5			<input type="checkbox"/> Hourly Standby				T-Out	0655
(F) Second Final Flow	17			<input checked="" type="checkbox"/> Mileage	112 (R) 1510 (S)			Comments	
(G) Final Shut-in	7			<input type="checkbox"/> Sampler					
(H) Final Hydraulic	2			<input type="checkbox"/> Straddle					

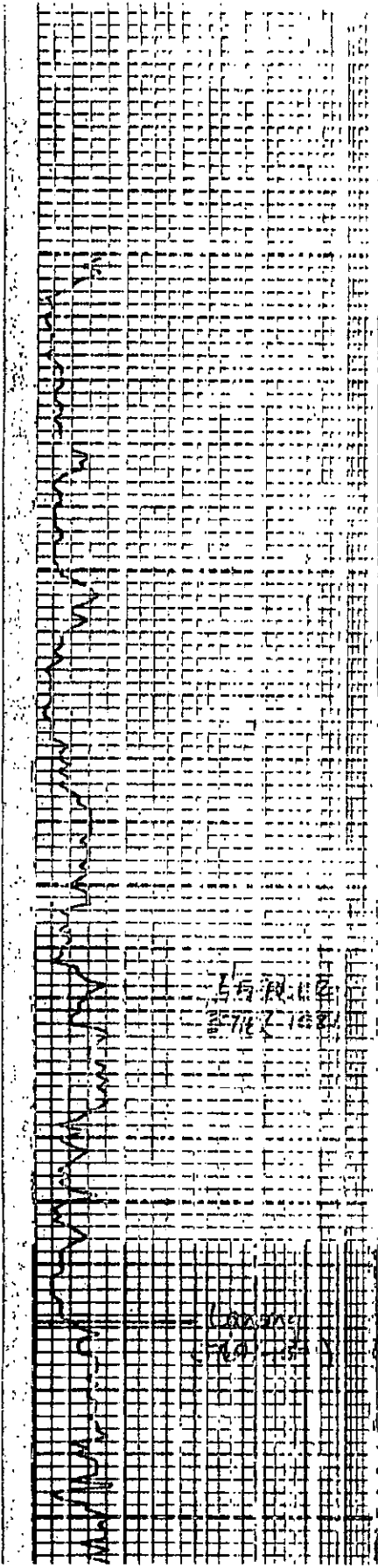
Initial Open	45	<input type="checkbox"/> Ruined Shale Packer	
Initial Shut-in	45	<input type="checkbox"/> Ruined Packer	
Final Flow	4	<input type="checkbox"/> Extra Copies	
Final Shut-in	13	Sub Total	1706.00
		Total	1706.00
		MP/DST Disc't	
		Sub Total	1706.00

Approved By

Our Representative

RAY SCHWAGER Thank You

Triobite Testing Inc. is not liable for damage to any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its reports or opinion concerning results of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



5000

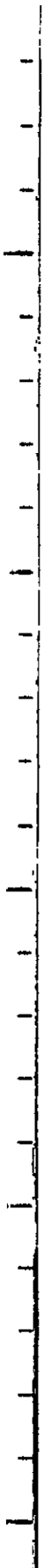
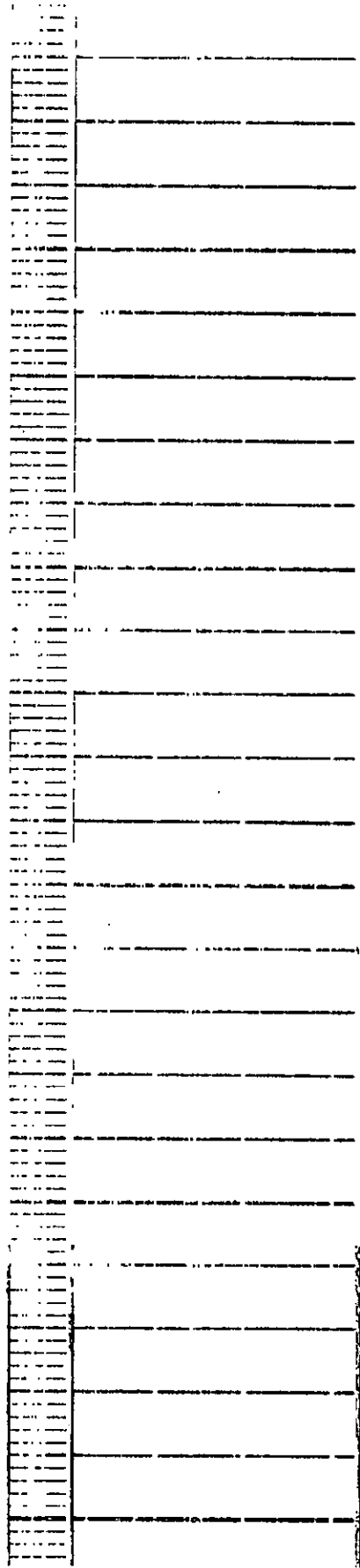
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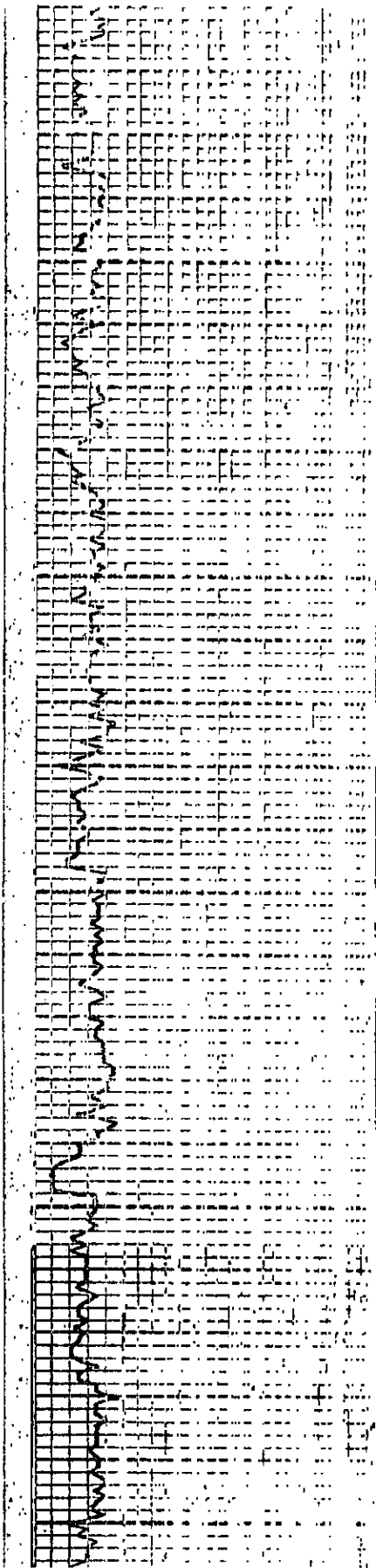
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3800

5/17/1988
5/17/1988





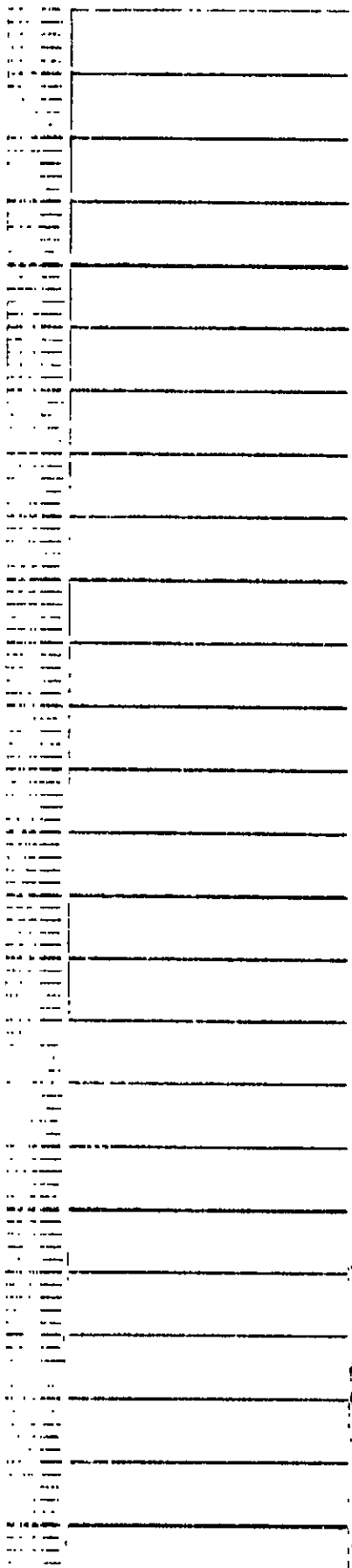
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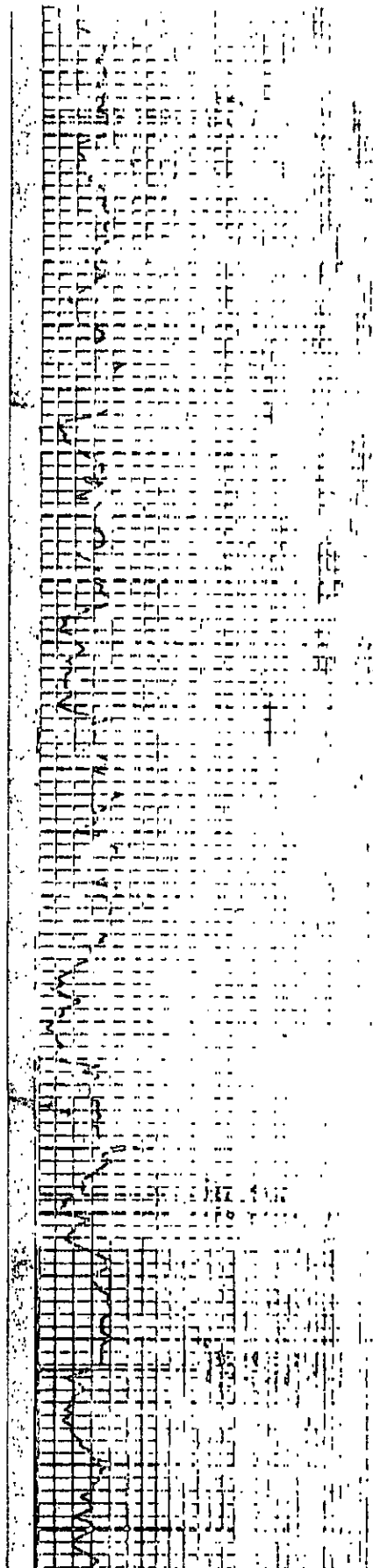
3100

50

4000

50





4100

LS: wht, f, xln, dns.
 Sh: grs
 Ls: tom, Fu-mid xln, Rk
 ... 11.1

50

Sh: 11 grs, sill
 LS: tom, Fu xln, prx
 Ls: tom, Fu xln, scab fss,
 A. ps, 11.1
 Sh: Black Carb
 Sh: grs w/ brn
 LS: wht, fu xln, prx
 v dns

4200

Sh: grs
 Ls: 11 tom, vfu xln, All
 ...
 Sh: Black Carb
 Ls: dk grs, some
 om

50

LS: tom, Fu xln, All
 v dns w/ prx
 Sh: Black Carb
 Ls: wht-tom, Fu xln, f. 1
 wh. n. n. s.

LS: wht w/ some lt tom, fur
 v fu xln, v dns w/ no vis
 pr, scab fss. All n. s. w/

Sh: Black Carb
 Sh: grs
 Ls: tom, Fu-mid xln, fss
 v fss, v dns, no vis.
 NS.

4300

0
 S
 T

Vis: 6.0 Lst: 9.5
 OST #1
 4290-4349
 30-30-30-30
 T.S. 3/4" blow
 P.P. 3/4" blow
 L.P. 24-39
 P.P. 42-50
 S.P. 1237-1177
 L.P. 2140-2105
 ...
 L.S. vscm 12.0
 HT: 109'
 OST #2
 4349-4371

KANSAS CORPORATION
OIL & GAS CONSERVATION
APPLICATION FOR

MISSION
VISION
ACE PIT

Form CD-1
April 2004
Must be Typed

Submit in Duplicate

Operator Name: American Energies Corporation

Operator Address: 155 North Market, Suite 710, Wichita, KS 67202

Contact Person: Alan L. DeGocq, President

Lease Name & Well No.: Staffer 2-35

Type of Pit:
 Emergency Pit Bury Pit
 Settling Pit Drilling Pit
 Workover Pit Haul-Off Pit

(FWP Supply API No. or Year Drilled)
15-017-20090-A

Pit s:
 Proposed Existing
 If Existing, date constructed: _____
 Pit capacity: 80 (bbl)

Is the pit located in a Sensitive Ground Water Area? Yes No

Is the pit bottom below ground level?
 Yes No

Artificial Liner?
 Yes No

Pit dimensions (all but working pits): 6 Length (feet) 11
 Depth from ground level to deepest point: _____

If the pit is lined give a brief description of the liner material, thickness and installation procedure.
Natural Clays in soil.

Distance to nearest water well within one mile of pit:
5233 feet Depth of water well N/A 53 feet

Emergency, Settling and Bury Pits ONLY:
 Producing Formation: _____
 Number of producing wells on lease: _____
 Barrels of fluid produced daily: _____
 Does the slope from the tank battery allow all spilled fluids to flow into the pit? Yes No

I hereby certify that the above statements are true and correct to the best of my knowledge and belief.

3/25/09
Date

Alan L. DeGocq
Signature of Applicant

Census Number: _____

County: Wichita, KS 67202

Phone Number: (_____) _____

Location (QQC): C SW

Section: 35 Twp. _____ Range _____ West

Section Line of Section: 3300

Section Line of Section: 1980

Phase: _____ County: _____

Chloride concentration: _____ mg/l
 (For Emergency Pits only)

Is the pit lined? Yes No

Width (feet): _____

Depth (feet): _____

Notes for periodic maintenance and any special instructions:

Depth to surface of fresh water: N/A
 Source of water: _____
 well owner: _____
 KOWR

Drilling, Venting and Haul-Off Pits ONLY:
 Type of liner utilized in drilling/well completion: _____
 Number of pits to be utilized: _____
 Applicable procedure: Allow pits to be backfilled
 Drilling pits must be closed within 365 days of completion

RECEIVED
KANSAS CORPORATION COMMISSION
MAR 27 2009
CONSERVATION DIVISION
WICHITA KS
RF48

KCC OFFICE USE ONLY

Date Received: 3/27/09 Permit number: 15-017-20090

Signature: 3/27/09

Mail to: KCC - Conservation Division, 130 S. Market Street, Wichita, KS 67202



Kathleen Sebelius, Governor
Thomas J. Wright, Chairman
Michael G. Smith, Commissioner
Joseph J. ... Commissioner

March 27, 2009

American Energy Corporation
155 N. Market Ste 710
Wichita, KS 67201

RE: Workover Pit Application
Stauffer Lease Well No. 2-35
NE/4 Sec. 15-19S-07E
Chase County, Kansas

Dear Sir or Madam:

District staff has inspected the above referenced location and has determined that the workover pit shall be constructed without slots, the bottom shall be flat and reasonably level, and the free fluids must be removed. The fluids are to be removed from the workover pit within 48 hours of completion of workover operations.

NO completion fluids or non-exempt wastes shall be placed in the workover pit.

The fluids should be taken to an authorized disposal facility. Please call the District Office at (316) 330-4000 when the fluids have been removed. Please file form CDP-5 (August 2004), Exploration and Production Waste Transfer, within 30 days of fluid removal. Conservation division forms are available through our office and on the KCC web site: kcc.ks.gov/conservation/forms/

If you have any questions or concerns please feel free to contact the District Office at (316) 330-4000.