



KANSAS CORPORATION COMMISSION 1075117
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 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 #: _____
02/16/2012 02/22/2012 02/23/2012
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 15-165-21962-00-00
Spot Description: _____
SW NE SE NW Sec. 32 Twp. 17 S. R. 18 East West
1820 Feet from North / South Line of Section
2180 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Rush
Lease Name: Elsie Herman Well #: 1-32
Field Name: _____
Producing Formation: None
Elevation: Ground: 2087 Kelly Bushing: 2095
Total Depth: 3893 Plug Back Total Depth: _____
Amount of Surface Pipe Set and Cemented at: 1271 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: 17000 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 I II III Approved by: Deanna Garrison Date: 04/09/2012



1075117

Operator Name: Downing-Nelson Oil Co Inc Lease Name: Elsie Herman Well #: 1-32
 Sec. 32 Twp. 17 S. R. 18 East West County: Rush

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 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	1271	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) _____			
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	Elsie Herman 1-32
Doc ID	1075117

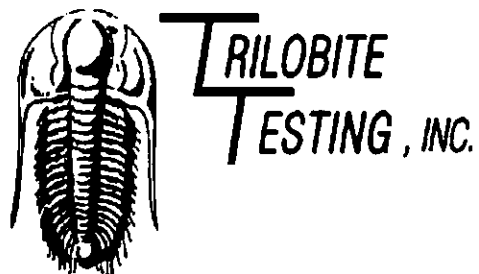
All Electric Logs Run

Micro
Sonic
Dual Induction
Compensated Density / Neutron

Form	ACO1 - Well Completion
Operator	Downing-Nelson Oil Co Inc
Well Name	Elsie Herman 1-32
Doc ID	1075117

Tops

Anhydrite	1263'	+832
Base	1295'	+800
Topeka	3128'	-1033
Heebner	3429'	-1334
Toronto	3447'	-1352
LKC	3478'	-1383
BKC	3744'	-1649
Marmaton	3795'	-1700
Arbuckle	3848'	-1753



DRILL STEM TEST REPORT

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

PO Box 1019
Hays, KS 67601

ATTN: Al Downing

Elsie Herman #1-32

32-17s-18w Rush,KS

Start Date: 2012.02.20 @ 19:21:39

End Date: 2012.02.21 @ 02:11:18

Job Ticket #: 45019 DST #: 1

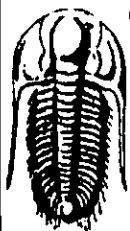
Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.02.22 @ 14:52:19

Downing-Nelson Oil Co. 32-17s-18w Rush,KS Elsie Herman #1-32 DST # 1 LKC-C 2012.02.20



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Dow ning-Nelson Oil Co.

32-17s-18w Rush,KS

PO Box 1019
Hays, KS 67601

Elsie Herman #1-32

Job Ticket: 45019

DST#: 1

ATTN: Al Dow ning

Test Start: 2012.02.20 @ 19:21:39

GENERAL INFORMATION:

Formation: **LKC-C**

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

Time Tool Opened: 20:59:19

Time Test Ended: 02:11:18

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

Tester: **Brandon Turley**

Unit No: **60**

Interval: **3489.00 ft (KB) To 3518.00 ft (KB) (TVD)**

Reference Elevations: **2095.00 ft (KB)**

Total Depth: **3518.00 ft (KB) (TVD)**

2087.00 ft (CF)

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

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

Serial #: 8373

Inside

Press@RunDepth: **73.84 psig @ 3490.00 ft (KB)**

Capacity: **8000.00 psig**

Start Date: **2012.02.20**

End Date:

2012.02.21

Last Calib.: **2012.02.21**

Start Time: **19:21:39**

End Time:

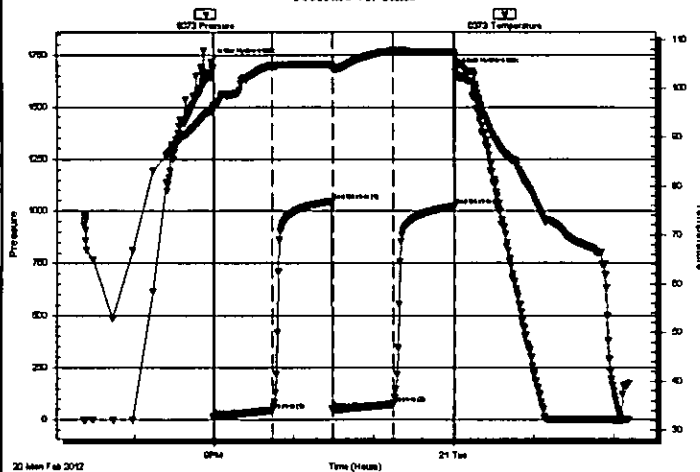
02:11:18

Time On Btm: **2012.02.20 @ 20:57:49**

Time Off Btm: **2012.02.21 @ 00:01:18**

TEST COMMENT: IF: BOB in 22 min.
IS: No return.
FF: Surface blow BOB in 38 min.
FS: No return.

Pressure vs. Time



PRESSURE SUMMARY

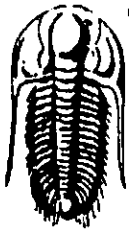
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1718.74	95.18	Initial Hydro-static
2	14.07	95.93	Open To Flow (1)
47	44.35	104.61	Shut-in(1)
91	1046.18	104.83	End Shut-in(1)
92	45.68	103.93	Open To Flow (2)
137	73.84	107.72	Shut-in(2)
183	1023.19	107.51	End Shut-in(2)
184	1673.31	106.63	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
124.00	mcw 90%w 10%m	1.74
5.00	free oil 100%o	0.07
0.00	124 GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Downing-Nelson Oil Co.

32-17s-18w Rush, KS

PO Box 1019
Hays, KS 67601

Elsie Herman #1-32

Job Ticket: 45019

DST#: 1

ATTN: Al Downing

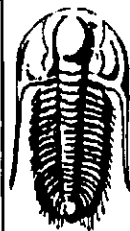
Test Start: 2012.02.20 @ 19:21:39

Tool Information

Drill Pipe:	Length: 3486.00 ft	Diameter: 3.80 inches	Volume: 48.90 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 48.90 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	17.00 ft			String Weight: Initial 51000.00 lb
Depth to Top Packer:	3489.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	29.00 ft			
Tool Length:	49.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Stubb	1.00			3470.00	
Shut In Tool	5.00			3475.00	
Hydraulic tool	5.00			3480.00	
Packer	5.00			3485.00	20.00 Bottom Of Top Packer
Packer	4.00			3489.00	
Stubb	1.00			3490.00	
Recorder	0.00	8373	Inside	3490.00	
Recorder	0.00	8356	Outside	3490.00	
Perforations	23.00			3513.00	
Bullnose	5.00			3518.00	29.00 Bottom Packers & Anchor
Total Tool Length:	49.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Dow ning-Nelson Oil Co.

32-17s-18w Rush,KS

PO Box 1019
Hays, KS 67601

Elsie Herman #1-32

Job Ticket: 45019

DST#: 1

ATTN: Al Dow ning

Test Start: 2012.02.20 @ 19:21:39

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

160000 ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.14 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2600.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
124.00	mcw 90%w 10%m	1.739
5.00	free oil 100%o	0.070
0.00	124 GIP	0.000

Total Length: 129.00 ft Total Volume: 1.809 bbl

Num Fluid Samples: 0

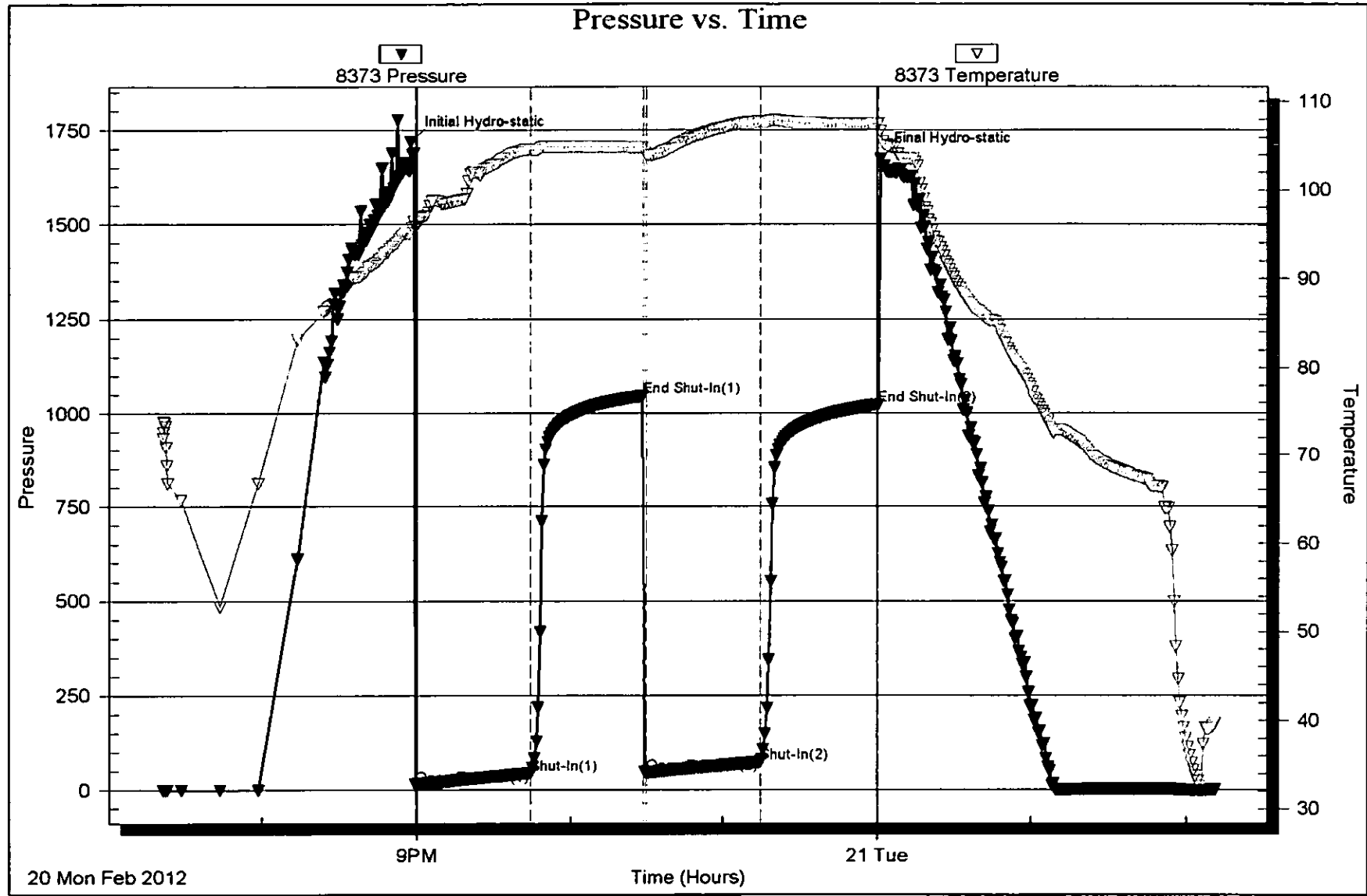
Num Gas Bombs: 0

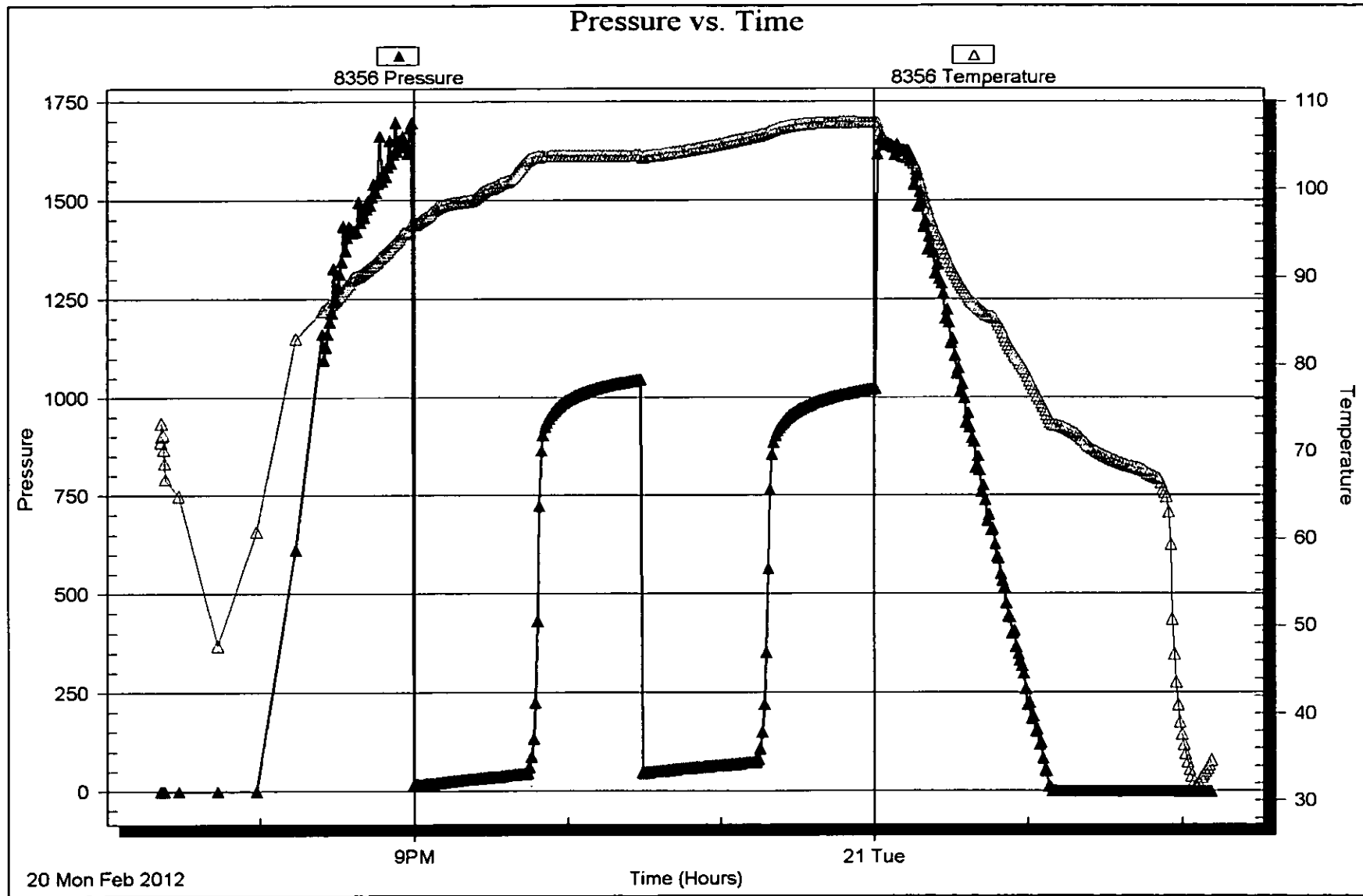
Serial #:

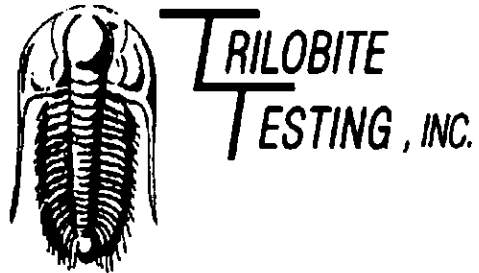
Laboratory Name:

Laboratory Location:

Recovery Comments: .12@34=160000







DRILL STEM TEST REPORT

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

PO Box 1019
Hays, KS 67601

ATTN: Al Downing

Elsie Herman #1-32

32-17s-18w Rush,KS

Start Date: 2012.02.22 @ 03:15:10

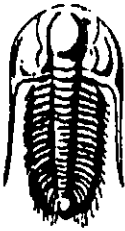
End Date: 2012.02.22 @ 09:56:34

Job Ticket #: 46251 DST #: 2

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2012.02.22 @ 14:51:27

Downing-Nelson Oil Co. 32-17s-18w Rush,KS Elsie Herman #1-32 DST # 2 Arbuckle 2012.02.22



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Dow ning-Nelson Oil Co.

32-17s-18w Rush,KS

PO Box 1019
Hays, KS 67601

Elsie Herman #1-32

Job Ticket: 46251

DST#: 2

ATTN: Al Dow ning

Test Start: 2012.02.22 @ 03:15:10

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:23:35

Time Test Ended: 09:56:34

Test Type: Conventional Bottom Hole (Reset)

Tester: Ray Schw ager

Unit No: 42

Interval: **3815.00 ft (KB) To 3854.00 ft (KB) (TVD)**

Reference Elevations: 2095.00 ft (KB)

Total Depth: 3854.00 ft (KB) (TVD)

2087.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 6625

Inside

Press@RunDepth: 793.56 psig @ 3826.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.02.22

End Date:

2012.02.22

Last Calib.: 2012.02.22

Start Time: 03:15:10

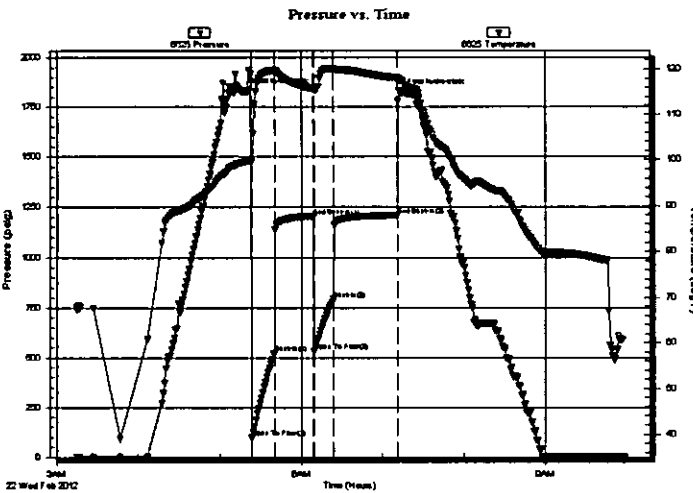
End Time:

09:56:34

Time On Btm: 2012.02.22 @ 05:18:35

Time Off Btm: 2012.02.22 @ 07:14:05

TEST COMMENT: 15-IFP-strg bl in 1min
30-ISIP-no bl
15-FFP-strg bl in 2 min
45-FSIP-no bl



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1829.01	99.48	Initial Hydro-static
5	98.15	99.45	Open To Flow (1)
22	523.15	119.51	Shut-In(1)
51	1205.31	115.66	End Shut-In(1)
51	533.03	115.42	Open To Flow (2)
65	793.56	119.99	Shut-In(2)
113	1208.75	118.00	End Shut-In(2)
116	1824.83	117.42	Final Hydro-static

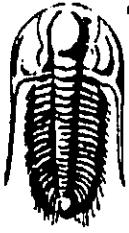
Recovery

Length (ft)	Description	Volume (bbl)
310.00	MW 15%MB5%W	4.35
1290.00	Water	18.10

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Downing-Nelson Oil Co.

32-17s-18w Rush, KS

PO Box 1019
Hays, KS 67601

Elsie Herman #1-32

Job Ticket: 46251

DST#: 2

ATTN: Al Downing

Test Start: 2012.02.22 @ 03:15:10

Tool Information

Drill Pipe:	Length: 3802.00 ft	Diameter: 3.80 inches	Volume: 53.33 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 53.33 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial 51000.00 lb
Depth to Top Packer:	3815.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	39.00 ft			
Tool Length:	60.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Stubb	1.00			3795.00	
Shut In Tool	5.00			3800.00	
Hydraulic tool	5.00			3805.00	
Packer	5.00			3810.00	21.00 Bottom Of Top Packer
Packer	5.00			3815.00	
Stubb	1.00			3816.00	
Perforations	10.00			3826.00	
Recorder	0.00	6625	Inside	3826.00	
Recorder	0.00	8700	Outside	3826.00	
Perforations	25.00			3851.00	
Bullnose	3.00			3854.00	39.00 Bottom Packers & Anchor

Total Tool Length: 60.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Downing-Nelson Oil Co.

32-17s-18w Rush,KS

PO Box 1019
Hays, KS 67601

Elsie Herman #1-32

Job Ticket: 46251

DST#: 2

ATTN: Al Downing

Test Start: 2012.02.22 @ 03:15:10

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:

31000 ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.75 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
310.00	MW 15%MB5%W	4.348
1290.00	Water	18.095

Total Length: 1600.00 ft Total Volume: 22.443 bbl

Num Fluid Samples: 0

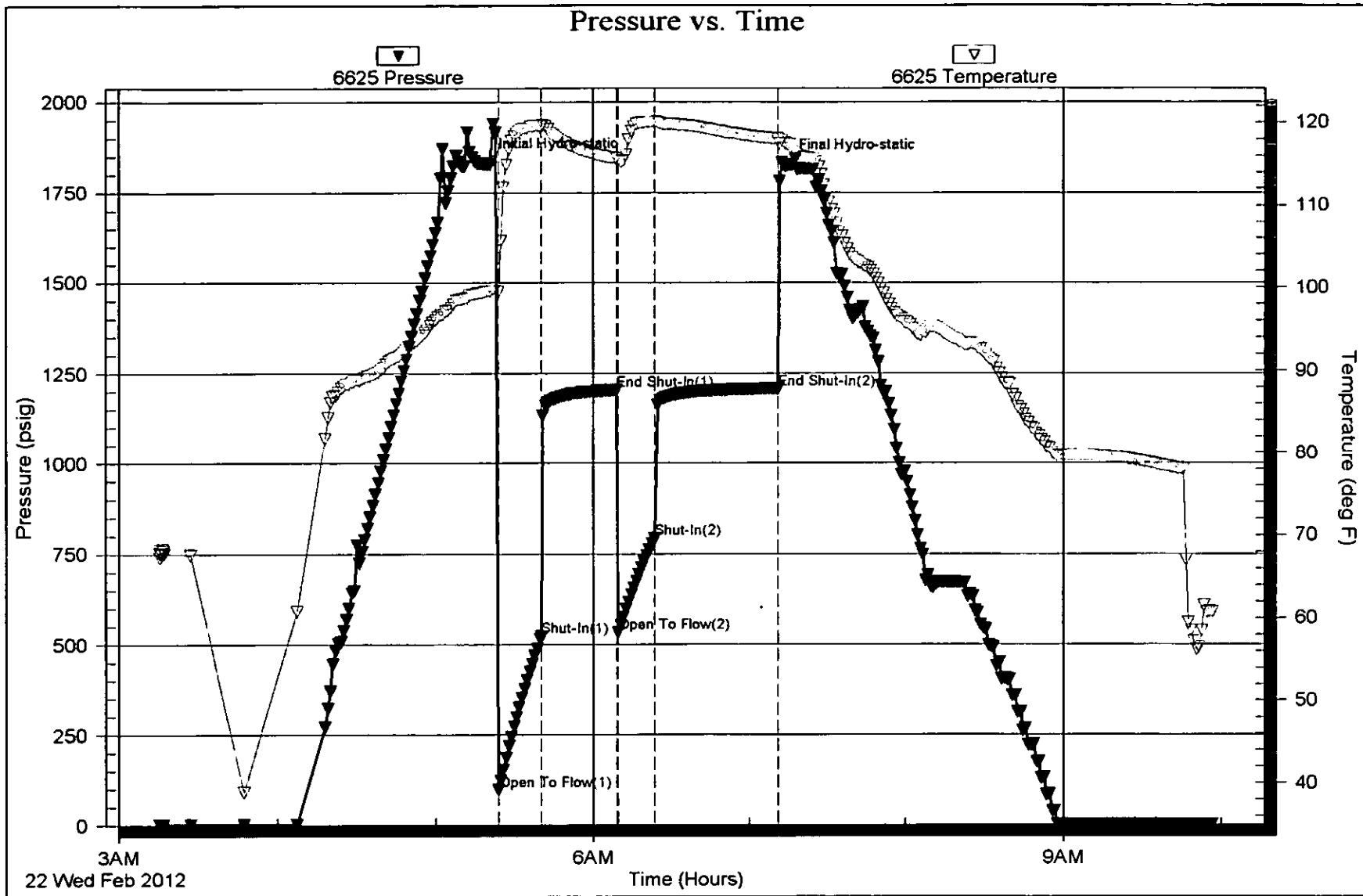
Num Gas Bombs: 0

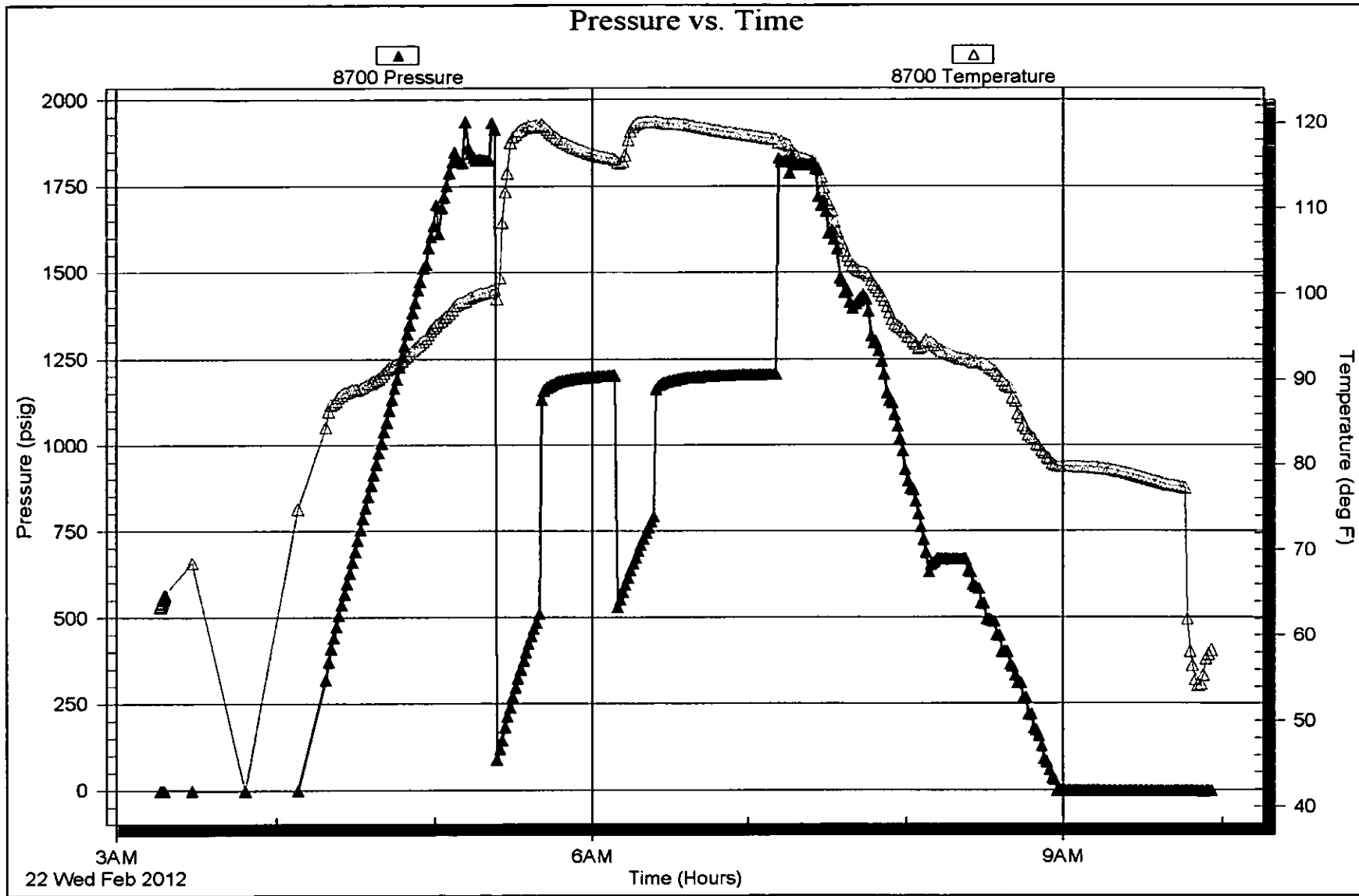
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .22@70F







TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
FEB 22 2012

Test Ticket

NO. 45019

Well Name & No. Elsie HERMAN 1-32 Test No. 1 Date 2-20-12
 Company Downing-Nelson Oil Co. Elevation 2095 KB 2087 GL
 Address P.O. Box 1019 Hays, KS 67601
 Co. Rep / Geo. Mark Downing Rig DISO #3
 Location: Sec. 32 Twp. 17 Rge. 18 Co. Rush State KS

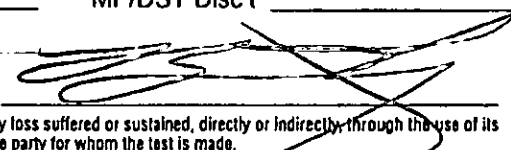
Interval Tested 3489 3518 Zone Tested LISC - C
 Anchor Length 29 Drill Pipe Run 3486 Mud Wt. 8.9
 Top Packer Depth 3484 Drill Collars Run — Vis 51
 Bottom Packer Depth 3489 Wt. Pipe Run — WL 8.2
 Total Depth 3518 Chlorides 2600 ppm System LCM 2

Blow Description FF! BoB in 22 min,
ISI NO return.
FF! surface blow BoB in 38 min.
F5! NO return.

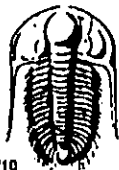
Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>Free oil</u>		<u>100</u>		
<u>124</u>	<u>MLW</u>			<u>90</u>	<u>10</u>
	<u>124 GSP</u>				

Rec Total 129 BHT 107 Gravity — API RW .12 @ 34° F Chlorides 160,000 ppm

(A) Initial Hydrostatic 1718 Test 1125° T-On Location 18:30
 (B) First Initial Flow 14 Jars T-Started ~~18:30~~ 19:21
 (C) First Final Flow 44 Safety Joint T-Open 21:00
 (D) Initial Shut-In 1046 Circ Sub WIL T-Pulled 00:00
 (E) Second Initial Flow 45 Hourly Standby T-Out 2:15
 (F) Second Final Flow 73 Mileage 58 RT 81.20 Comments _____
 (G) Final Shut-In 1023 Sampler _____
 (H) Final Hydrostatic 1673 Straddle _____
 Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Initial Open 45 Extra Recorder _____ Sub Total 0
 Initial Shut-In 45 Day Standby _____ Total 1206.20
 Final Flow 45 Accessibility _____ MP/DST Disc't _____
 Final Shut-In 45 Sub Total 1206.20

Approved By _____ Our Representative 

Trilobite Testing Inc. shall not be liable for damaged of 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 statements or opinion concerning the 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.



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
FEB 22 2012

Test Ticket

NO. 46251

Well Name & No. Elsie Herman #1-32 Test No. 2 Date 2-22-12
 Company Downing-Nelson Oil Co Inc Elevation 2095 KB 2087 GL
 Address PO Box 1019 Hays, Ks 67601
 Co. Rep / Geo. AL Downing Rig Discovery rig 3
 Location: Sec. 32 Twp. 17^s Rge. 18^w Co. Rush State Ks

Interval Tested 3815-3854 Zone Tested Arbuckle
 Anchor Length 39 Drill Pipe Run 3802 Mud Wt. 9.1
 Top Packer Depth 3810 Drill Collars Run - Vis 53
 Bottom Packer Depth 3815 Wt. Pipe Run - WL 8.8
 Total Depth 3854 Chlorides 3000 ppm System LCM 2#

Blow Description IFP - STRONG Blow in 1 min
ISTP - NO Blow
FFP - STRONG Blow in 2 min
FSIP - NO Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>310</u>	<u>Feet of MW</u>		<u>85</u>	<u>15</u>	
<u>1290</u>	<u>Feet of WATER</u>				

Rec Total 1600 BHT 118 Gravity - API RW .22 @ 70 °F Chlorides 31000 ppm

- (A) Initial Hydrostatic 1829
- (B) First Initial Flow 98
- (C) First Final Flow 523
- (D) Initial Shut-In 1205
- (E) Second Initial Flow 533
- (F) Second Final Flow 793
- (G) Final Shut-In 1208
- (H) Final Hydrostatic 1824

- Test 1125
- Jars
- Safety Joint
- Circ Sub
- Hourly Standby
- Mileage SRT 81.20
- Sampler
- Straddle
- Shale Packer
- Extra Packer
- Extra Recorder
- Day Standby
- Accessibility
- Sub Total 1206.70

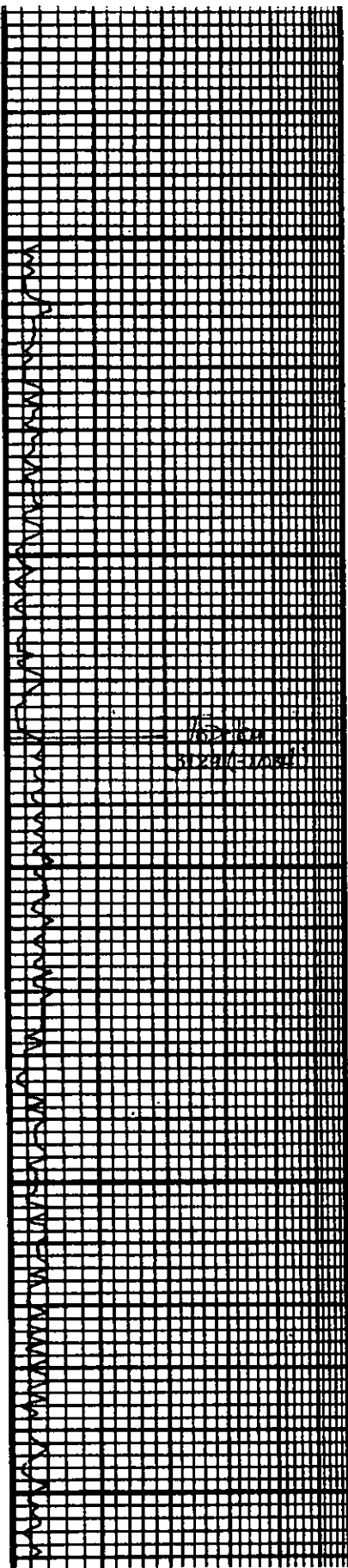
- T-On Location 0035
- T-Started 0315
- T-Open 0525
- T-Pulled 0710
- T-Out 0958

- Comments _____
- Ruined Shale Packer
- Ruined Packer
- Extra Copies
- Sub Total 0
- Total 1206.70
- MP/DST Disc't _____

Initial Open 15
 Initial Shut-In 30
 Final Flow 15
 Final Shut-In 45

Approved By _____ Our Representative RAY Schwager THANK YOU

Trilobite Testing Inc. shall not be liable for damaged of 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 statements or opinion concerning the 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.



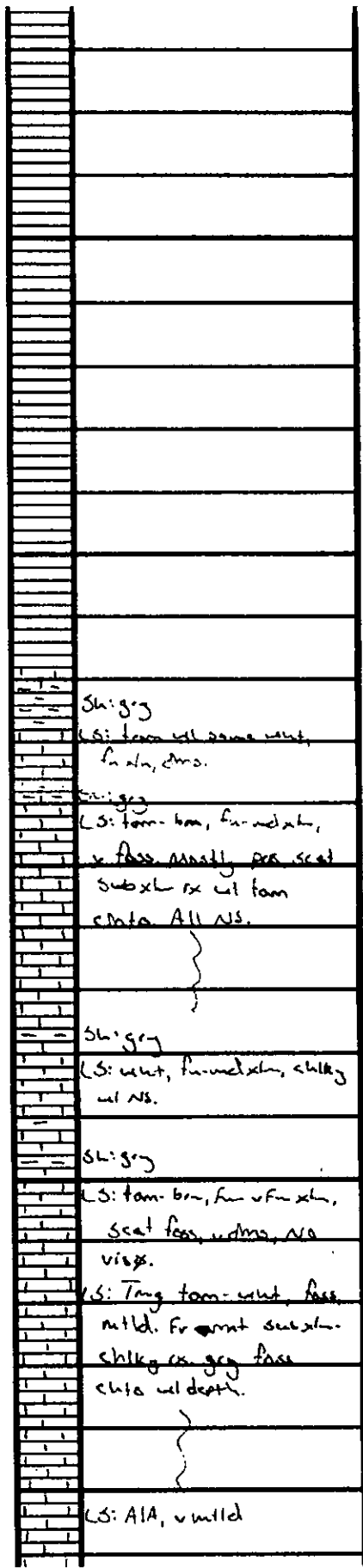
3050

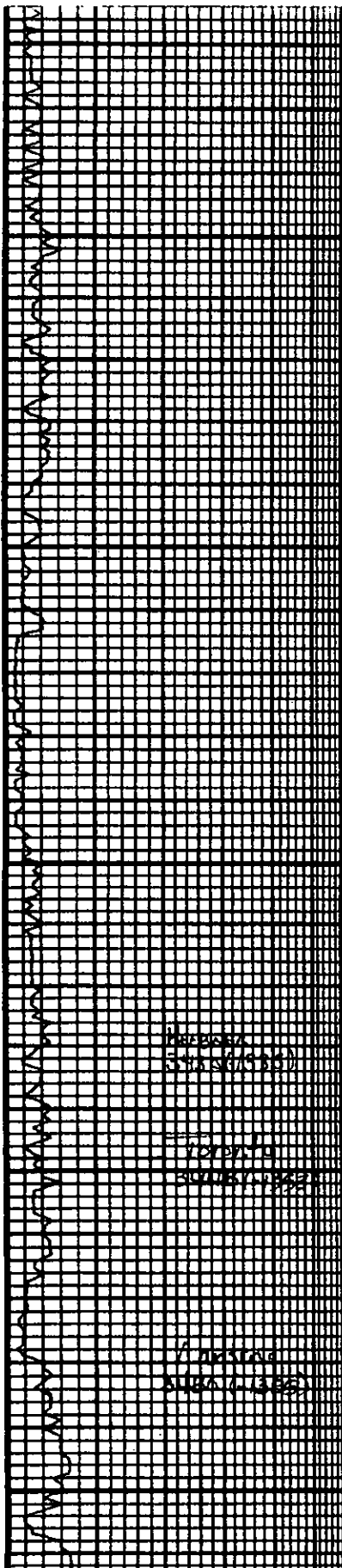
3100

50

3200

50

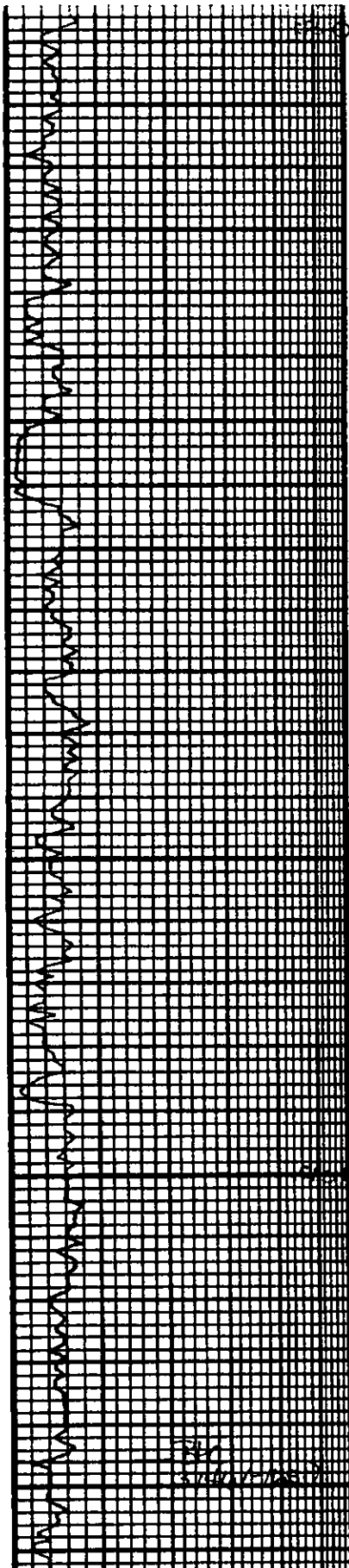




	Sh: Black Carb
	Sh: gy
	LS: wht, v. fine xls, few chky ex, mostly dns, No visx
	Sh: gy
3300	LS: wht, fine v. fine xls, mostly dns w/ ppt, few subxln ex, tom-gy chnta
	Sh: gy
	Sh: Black Carb
	Sh: gy
50	LS: wht, fine xls, shky, mtd in prt, scat blk shp chnta, NS.
	LS: wht, fine med xls, scat mtd ex, chky. Faint horizon seen, some gy blk chnta.
3400	LS: wht, med xls, fess, mtd in prt, chky scat chnta, All NS.
	Sh: Black Carb
	Sh: gy
50	LS: wht, v. fine med xls, mostly ppt, scat chky ex, All NS.
	Sh: red: brn, weakly sltly red.
	LS: wht, fine xls, few sub fess, sub xls, chky in prt, NS.
	Sh: dk gy w/ blk
3500	LS: wht, tot ool, fr-gd ex, scat f. sh & sat, 2-3 ex of v. gy sfb when broken. Many bottom a frgd ool.

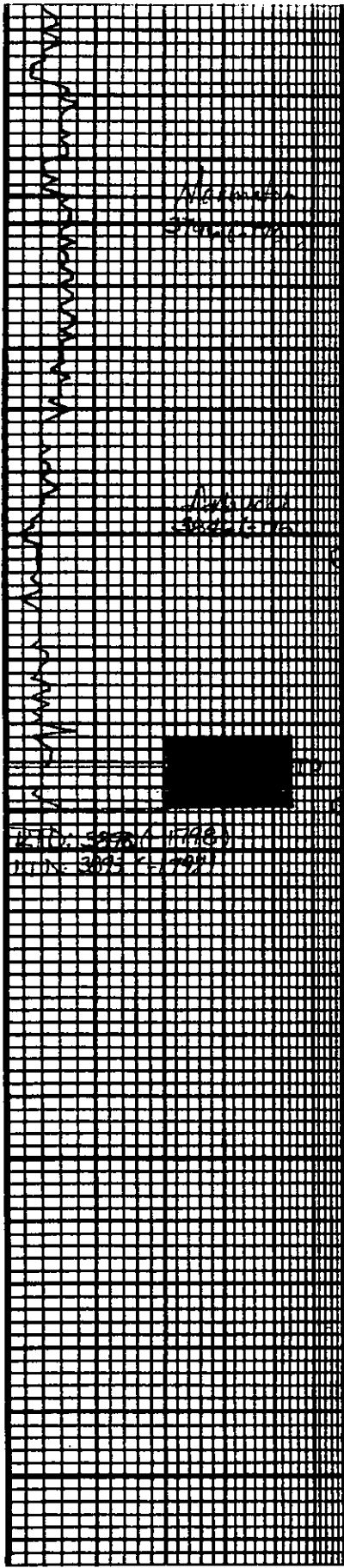
Vis 91
 wt 8.4
 WL 8.2
 Com 2#

DST #1
 3489-3518
 45-45-45-45
 Rec:
 124¹ 91P
 5' Clean 0.1



Sh: gy
LS: tan, f. and xl. f. and fine ul. pr. tang ul. + chky ul. depth, NS.
Sh: Black Carb
Sh: gy LS: dls, aal, fr. int. aal, mostly chky. ALL NS.
LS: ul. f. xl. chky. much tan silt. NS.
LS: tan-ult, scat aal, dms.
LS: tan, fat aal, gd acc. & fat barren. No Sid
LS: lt tan-tan v. f. xl. dms, pr. scat gy chky
Sh: gy LS: tan-ult, aal, 1-2 pr. ul pr. totally barren, i. silt.
Sh: red
LS: tan, aal, fr. gd acc., totally barren, No Sid. Root like dms.
Sh: red washed red.
LS: ul. scat aal, mostly pr.
LS: ul. fat aal, gd acc., totally barren, No Sid.
sh: am - Brown
LS: Tan f. v. xl. v. d. SE. NS.
sh: am - Reddish Brown v. silt.
LS: Tan. am l. v. d. am tan and orange silt.
sh: Red. am
sh: am - Red v. soft Unbedded tan LS lenses

IHD: 1718#
 IEP: 14-44#
 FFD: 45-73#
 STP: 1044-1023#
 FHP: 1673#
 Temp: 107°F



LS: Tan-off wh: V. fin
V. dse

LS: Tan fine grained Tan
orange & red all V. dse
No show- or str - 9090

LS

sh: Red. Brown, V. soft
wt scall V. Agvss clusters Ns

LS: Whit msh. Rhom w/ sand
In trap 1-2 pcs SFO - No odor Lgr
amt. gilsonite + Hvy Tar Reside
Look Remarked - 9990 Barren

Old: wht, wd. crs. chm, 1-2
pcs AIA, vgd hvy SFO w/ msh
broken w/ rd. Mastly All
barren. Rr. tang chunky w/
depth, No Od. v. friable.

Old: tang v. crs. msh. xln.
vgd w/ g. triling
barren, bleach white,
No Od.

No Drilling

VIS 51
wt 9.1
wt 8.8
LCM 2#

DST #2
3815 - 3854
15-30-15-45

Rec:
310' mw
1200' water

IHP: 1829
IFP: 98-525#
FFP: 533-793#
SIP: 1205-1208
FIP: 1824#
Temp: 118.0 F

