



KANSAS CORPORATION COMMISSION 1167952
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 # _____

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: _____



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	Bowman, William F. dba The Bill Bowman Oil Company
Well Name	Walters NW 1
Doc ID	1167952

Tops

Name	Top	Datum
Anhydrite	1380	+749
Base of Anhydrite	1410	+719
Topeka	3113	-984
Heebner	3340	-1211
Lansing	3384	-1255
Base of Kansas City	3623	-1494
Arbuckle	3686	-1557
RTD	3692	

ALLIED OIL & GAS SERVICES, LLC 054795

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:

Russell KS

DATE <u>10-1-13</u>	SEC. <u>2</u>	TWP. <u>12</u>	RANGE <u>18</u>	CALLED OUT	ON LOCATION	JOB START <u>6:30pm</u>	JOB FINISH <u>7:00pm</u>
Walters NW LEASE		WELL# <u>1</u>	LOCATION <u>Hays 6N 1E 13/4 NE in 10</u>		COUNTY <u>Ellis</u>	STATE <u>KS</u>	
OLD OR <u>(NEW)</u> (Circle one)							

CONTRACTOR Landmark Drilling #5
 TYPE OF JOB PTA
 HOLE SIZE 7 7/8 T.D. 3671
 CASING SIZE DEPTH
 TUBING SIZE DEPTH
 DRILL PIPE 4 1/2 16.6 DEPTH 3671
 TOOL DEPTH
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT
 CEMENT LEFT IN CSG.
 PERFS.
 DISPLACEMENT

OWNER

CEMENT

AMOUNT ORDERED 2.55 60/40 43 gel 1/4" 210

EQUIPMENT
 PUMP TRUCK CEMENTER Glenn G
 # 417 HELPER Woody O
 BULK TRUCK
 # 473 DRIVER Danny S
 BULK TRUCK
 # DRIVER

COMMON	<u>153</u>	@	<u>17.90</u>	<u>2738.70</u>
POZMIX	<u>102</u>	@	<u>9.35</u>	<u>953.70</u>
GEL	<u>8.77</u>	@	<u>23.40</u>	<u>205.22</u>
CHLORIDE		@		
ASC		@		
<u>Flo</u>	<u>50#</u>	@	<u>2.97</u>	<u>148.50</u>
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>277</u>	@	<u>2.48</u>	<u>686.96</u>
MILEAGE	<u>80.5875</u>	@	<u>2.60</u>	<u>209.53</u>
TOTAL				<u>4942.61</u>

REMARKS:

p1 50sk @ 3671
p2 25sk @ 1390
p3 100sk @ 780
p4 40sk @ 260
p5 10sk @ 40
30sk in Rathole

Thank you!!!

CHARGE TO: Bill Bowman Oil Co.
 STREET _____
 CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB	<u>3671</u>		
PUMP TRUCK CHARGE	<u>2600.47</u>		
EXTRA FOOTAGE	@		
MILEAGE	<u>7</u>	@	<u>7.70</u> <u>53.90</u>
MANIFOLD	@		
	<u>7</u>	@	<u>4.40</u> <u>30.80</u>
		@	
TOTAL <u>2685.17</u>			

PLUG & FLOAT EQUIPMENT

<u>8 5/8 Wooden plug</u>	<u>@ 64.80</u>	<u>64.80</u>
	@	
	@	
	@	
	@	
TOTAL <u>64.80</u>		

SALES TAX (If Any) _____
 TOTAL CHARGES 7692.58
 DISCOUNT 1525.56 IF PAID IN 30 DAYS
 \$ 6167.02

PRINTED NAME _____
 SIGNATURE 

ALL PRICES ARE NET PAYABLE
 30 DAYS FOLLOWING DATE OF
 INVOICE 1 VES CHARGED
 THEREAFTER IF ACCOUNT IS
 CURRENT TAKE DISCOUNT
 ONLY IF PAID ON OR BEFORE
 01/28/2014

SCHIPPER'S OIL FIELD SERVICES, L.L.C.

1110

REMIT TO 18048 170RD
RUSSELL, KS 67665

SERVICE POINT: Russell, KS - Horie, KS

9-24-13
DATE 9-25-13 SEC. 2 TWP. 12 RANGE 18 CALLED OUT _____ ON LOCATION _____ JOB START 11:45 am JOB FINISH 12:15 am
LEASE Walter's WELL #. 1 LOCATION _____ COUNTY Ellis STATE KS
OLD OR NEW (CIRCLE ONE)

CONTRACTOR Landmark #5
TYPE OF JOB Surface
HOLE SIZE 12 1/4 T.D. 211
CASING SIZE 8 5/8 DEPTH 212.37
TUBING SIZE _____ DEPTH _____
DRILL PIPE _____ DEPTH _____
TOOL _____ DEPTH _____
PRES. MAX 800ps MINIMUM 100ps
MEAS. LINE _____ SHOE JOINT _____
CEMENT LEFT IN CSG. 20ft
PERFS _____
DISPLACEMENT 12 1/2 bbl
EQUIPMENT _____
PUMP TRUCK # P1 CEMENTER Heath HELPER Cody
BULK TRUCK # B1 DRIVER Jay
BULK TRUCK # _____ DRIVER _____

OWNER _____
CEMENT AMOUNT ORDERED 150 sx com 3%CC 2%gel

COMMON _____ @ _____
POZMIX _____ @ _____
GEL _____ @ _____
CHLORIDE _____ @ _____
ASC _____ @ _____
_____ @ _____
_____ @ _____
_____ @ _____
_____ @ _____
_____ @ _____
HANDLING _____ @ _____
MILEAGE _____ @ _____
TOTAL _____

REMARKS:
Run 5 Hs of 8 5/8 casing and landing it
Est circulation with mud pump
Hooked up and mix 150sx and disp 12 1/2 bbl
cement did circulate!!

CHARGE TO: Bill Bowman oil
STREET _____
CITY _____ STATE _____ ZIP _____

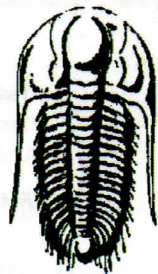
Schippers Oil Field Services, L.L.C.,
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME Scott Edwards
SIGNATURE Scott Edwards

SERVICE
DEPTH OF JOB _____
PUMP TRUCK CHARGE _____
EXTRA FOOTAGE _____ @ _____
MILEAGE _____ @ _____
MANIFOLD _____ @ _____
_____ @ _____
TOTAL _____

PLUG & FLOAT EQUIPMENT
_____ @ _____
_____ @ _____
_____ @ _____
_____ @ _____
TOTAL _____

SALES TAX (If Any) _____
TOTAL CHARGES _____
DISCOUNT _____ IF PAID IN 30 DAYS



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **The Bill Bowman Oil Co**

2640 W Rd
Natoma, KS 67651

ATTN: Ed Glassman

Walters NW #1

2-12s-18w Ellis,KS

Start Date: 2013.10.01 @ 01:00:56

End Date: 2013.10.01 @ 09:25:56

Job Ticket #: 54832 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

The Bill Bowman Oil Co 2-12s-18w Ellis,KS Walters NW #1 DST # 1 Arbuckle 2013.10.01



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

The Bill Bowman Oil Co

2-12s-18w Ellis, KS

2640 W Rd
Natoma, KS 67651

Walters NW #1

Job Ticket: 54832

DST#: 1

ATTN: Ed Glassman

Test Start: 2013.10.01 @ 01:00:56

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:24:36

Time Test Ended: 09:25:56

Test Type: Conventional Bottom Hole (Initial)

Tester: Tate Lang/ Tim Phill

Unit No: 49

Interval: **3620.00 ft (KB) To 3692.00 ft (KB) (TVD)**

Total Depth: 3692.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2129.00 ft (KB)

2121.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: **8898**

Outside

Press@RunDepth: 44.57 psig @ 3624.00 ft (KB)

Start Date: 2013.10.01

End Date:

2013.10.01

Capacity: 8000.00 psig

Last Calib.: 2013.10.01

Start Time: 01:00:57

End Time:

09:25:56

Time On Btm: 2013.10.01 @ 04:24:26

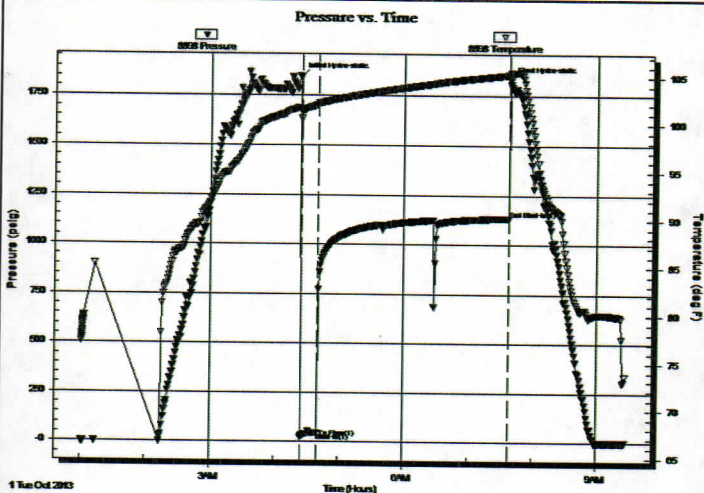
Time Off Btm: 2013.10.01 @ 07:38:35

TEST COMMENT: IFP- Fair surface blow built to 5"

ISL- No Blow Back

FF- Dead no blow

FSL- No Blow Back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1844.18	101.57	Initial Hydro-static
1	21.56	100.58	Open To Flow (1)
16	44.57	102.03	Shut-In(1)
194	1132.83	105.22	End Shut-In(1)
195	1828.25	105.41	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
75.00	VSWCM 5%W 95%M	0.80

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

The Bill Bowman Oil Co

2-12s-18w Ellis, KS

2640 W Rd
Natoma, KS 67651

Walters NW #1

ATTN: Ed Glassman

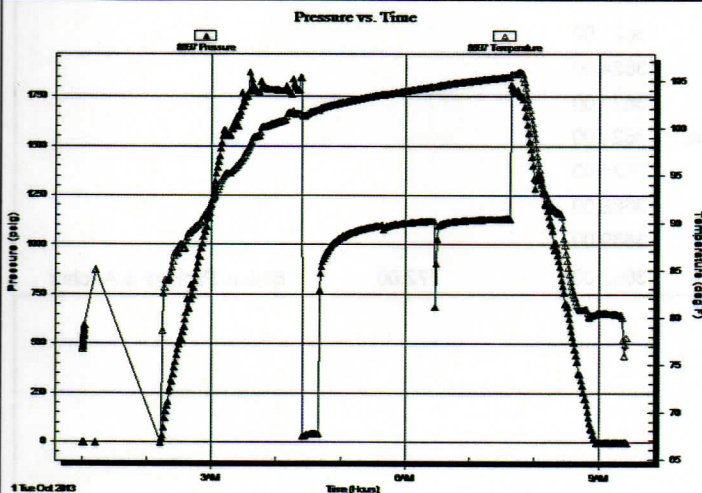
Job Ticket: 54832 DST#: 1
Test Start: 2013.10.01 @ 01:00:56

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 04:24:36
 Time Test Ended: 09:25:56
 Interval: **3620.00 ft (KB) To 3692.00 ft (KB) (TVD)**
 Total Depth: 3692.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches
 Hole Condition: Good
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Tate Lang/ Tim Phill
 Unit No: 49
 Reference Elevations: 2129.00 ft (KB)
 2121.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8897 Inside
 Press@RunDepth: psig @ 3624.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.10.01 End Date: 2013.10.01 Last Calib.: 2013.10.01
 Start Time: 01:00:36 End Time: 09:25:35 Time On Btm:
 Time Off Btm:

TEST COMMENT: IFP- Fair surface blow built to 5"
 IS- No Blow Back
 FF- Dead no blow
 FS- No Blow Back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
75.00	VSWCM 5%W 95%M	0.80

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

The Bill Bowman Oil Co

2-12s-18w Ellis, KS

2640 W Rd
Natoma, KS 67651

Walters NW #1

Job Ticket: 54832

DST#: 1

ATTN: Ed Glassman

Test Start: 2013.10.01 @ 01:00:56

Tool Information

Drill Pipe:	Length: 3577.00 ft	Diameter: 3.80 inches	Volume: 50.18 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 28.00 ft	Diameter: 2.25 inches	Volume: 0.14 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: 50.32 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 45000.00 lb
Depth to Top Packer:	3620.00 ft			Final 45000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	72.00 ft			
Tool Length:	92.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3605.00	
Hydraulic tool	5.00			3610.00	
Packer	5.00			3615.00	20.00 Bottom Of Top Packer
Packer	5.00			3620.00	
Stubb	1.00			3621.00	
Perforations	3.00			3624.00	
Recorder	0.00	8897	Inside	3624.00	
Recorder	0.00	8898	Outside	3624.00	
Change Over Sub	1.00			3625.00	
Drill Pipe	63.00			3688.00	
Change Over Sub	1.00			3689.00	
Bullnose	3.00			3692.00	72.00 Bottom Packers & Anchor

Total Tool Length: 92.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

The Bill Bowman Oil Co

2-12s-18w Ellis, KS

2640 W Rd
Natoma, KS 67651

Walters NW #1

Job Ticket: 54832

DST#: 1

ATTN: Ed Glassman

Test Start: 2013.10.01 @ 01:00:56

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: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.35 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
75.00	VSWCM 5%W 95%M	0.797

Total Length: 75.00 ft Total Volume: 0.797 bbl

Num Fluid Samples: 0

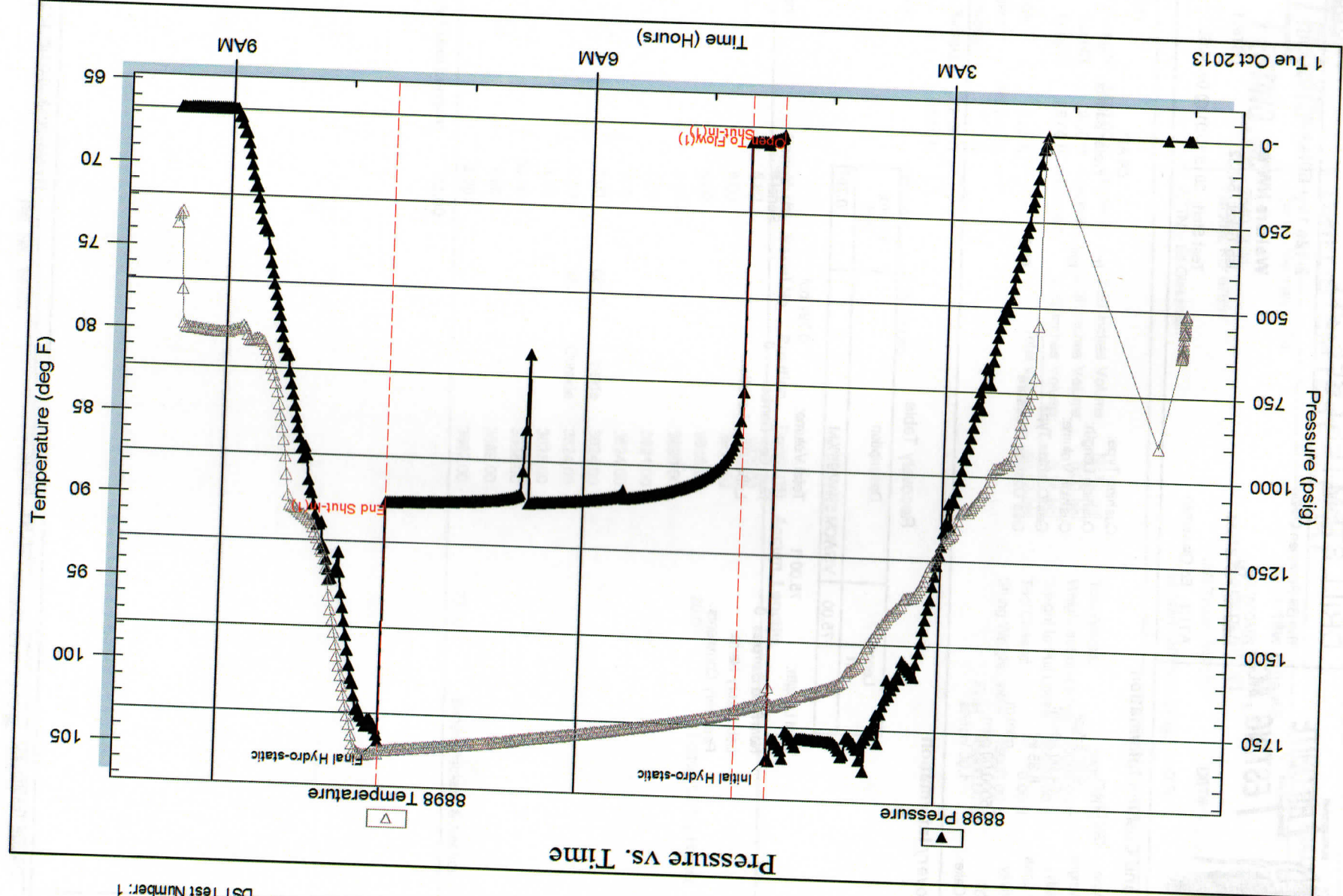
Num Gas Bombs: 0

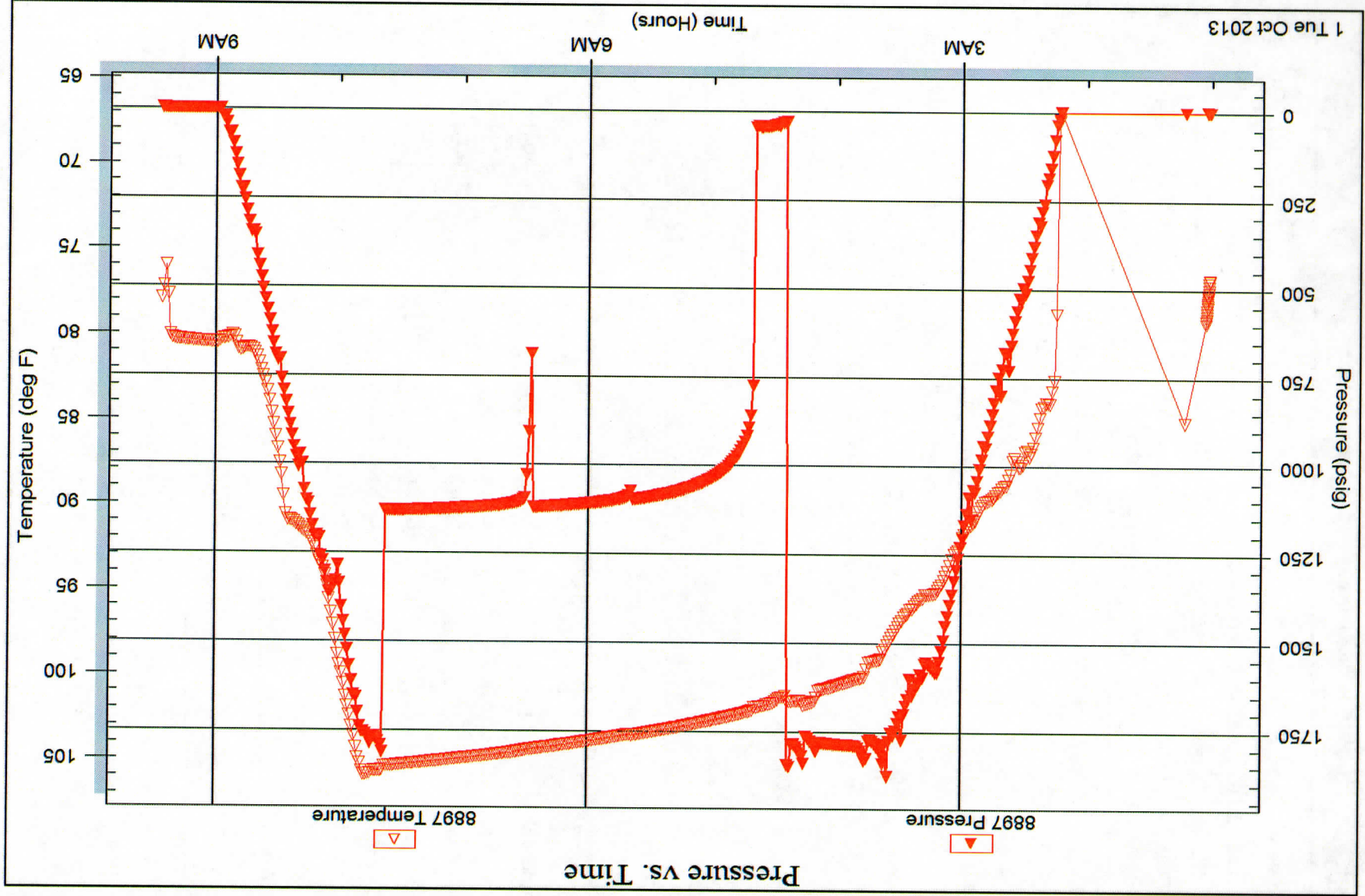
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





Serial #: 8897

Inside

The Bill Bowman Oil Co

Walters NW #1

DST Test Number: 1

Geological Report
 APRI 15-051-26594-00-00

Operator: BILLY BOWMAN OIL COMPANY
Lease: WALTER NW WELL NO. #1
Field: BEMIS-SHARITS
Location: 400' ENL & 1675' ENL
SEC: 2 TWP. 12S RGE. 18W
COUNTY: ELLIS STATE KANSAS

Contractor: LANDMARK DRILLING LLC
CONM: 3692
RFD: 2350
SWAPLES SWED FROM: 2350 TO T.D.
DRILLING TIME (VERT FROM): 2350 TO T.D.
SWAPLES EXAMINED FROM: 2350 TO T.D.
GEOLOGICAL SUPERVISION FROM: 2350 TO T.D.
MADE UP: 2900 TYPE MUD CHEMICAL-00534C

Geologist's Report:
Drilling Time and Sample Log:
Elevation: 2129
KB: 2129
DF: 2121
Measurements: Are All From KELLY-BREATHING CASING RECORD
Surface: 8 5/8" @ 210'
150 SWS DM 3722264
Production: NONE
Electrical Surveys: NONE

Formation: TOEKA, HEBNER, LANING, HANSHAWNEY, ARBUCKLE
Top: 1380 (799), 1410 (719), 3390 (1221), 3686 (157), 3686 (157)
Detail: 1380 (799), 1410 (719), 3390 (1221), 3686 (157)
Structure: None
Comments: + unknown at 2 workers at 2

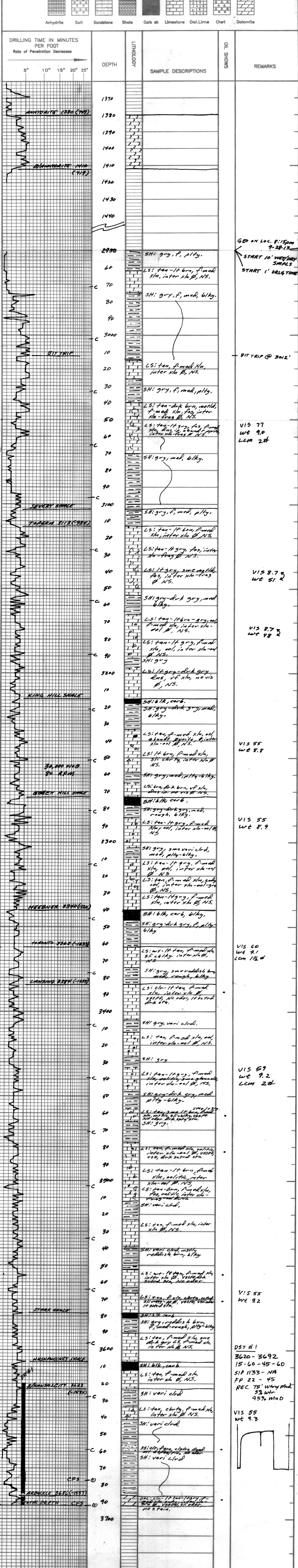
REFERENCE WELL FOR STRUCTURAL COMPARISON: ALPINE OIL & ROYALTY CO. WALTERS #1, NW SE NW SEC 2-12S-18W, ELLIS COUNTY, KANSAS.

DATE	DEPTH	NO	SEC	INCH	TYPE	DEPTH (FEET)	DEPTH (FEET)	DEPTH (FEET)
9-23-13	3040	1	1/2"	HTC	AR	214	214	42 1/2
9-25-13	214'	3	7/8"	HTC	HW-20	3692	394	42 1/2
9-26-13	2011'							
9-27-13	2320'							
9-28-13	2165'							
9-29-13	3309'							
9-30-13	3592'							
10-1-13	3692'							

DRILL STEM TESTS

NO.	DEPTH	DEPTH (FEET)	DEPTH (FEET)	DEPTH (FEET)	DEPTH (FEET)	DEPTH (FEET)	DEPTH (FEET)	DEPTH (FEET)
3620-22	15	103	45	100	184	75	5% WTR MUD	
3692	15	160	145	160	1925	75	5% WTR MUD	

Due to negative DST results this test was plugged & abandoned.



7514