

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1266187
OIL & GAS CONSERVATION DIVISION

Form ACO-1
November 2016

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
- Gas DH EOR
- OG GSW
- 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 EOR Conv. to SWD
- Plug Back Liner Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- EOR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No.: _____

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

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical 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

- Confidentiality Requested
Date: _____
- Confidential Release Date: _____
- Wireline Log Received Drill Stem Tests Received
- Geologist Report / Mud Logs Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____

1266187

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

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

INSTRUCTIONS: Show important tops 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Electric Log Run	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Geologist Report / Mud Logs	<input type="checkbox"/> Yes <input type="checkbox"/> No			
List All E. Logs Run:				

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
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

- Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
- Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
- Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____				
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)</i>			PRODUCTION INTERVAL: Top _____ Bottom _____	

Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:
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OPERATOR

Company: La Veta Oil Gas
 Address: PO Box 780
 Middleburg, VA 20118-0780

Contact Geologist:
 Contact Phone Nbr:
 Well Name: #3 Hammeke
 Location: Section 12-22S-12W
 Pool: Kansas
 State: Kansas
 API: 15-185-23945
 Field: Max
 Country: USA

Scale 1:240 Imperial

Well Name: #3 Hammeke
 Surface Location: Section 12-22S-12W
 Bottom Location:
 API: 15-185-23945
 License Number:
 Spud Date: 9/25/2015 Time: 8:15 AM
 Region: Stafford
 Drilling Completed: 9/30/2015 Time: 2:00 PM
 Surface Coordinates: 1945' FNL & 1775' FEL
 Bottom Hole Coordinates:
 Ground Elevation: 1800.00ft
 K.B. Elevation: 1810.00ft
 Logged Interval: 3000.00ft To: 3592.00ft
 Total Depth: 3592.00ft
 Formation:
 Drilling Fluid Type: Chemical (MudCo)

SURFACE CO-ORDINATES

Well Type: Vertical
 Longitude:
 N/S Co-ord: 1945' FNL
 E/W Co-ord: 1775' FEL
 Latitude:

LOGGED BY



Company: TerraTech Energy Service LLC.
 Address: 1632 S. West St. Suite 12
 Wichita, KS 67208
 Phone Nbr: 316-617-3959
 Logged By: Geologist Name: Bruce Reed

CONTRACTOR

Contractor: Maverick Drilling
 Rig #: 106
 Rig Type: mud rotary
 Spud Date: 9/25/2015 Time: 8:15 AM
 TD Date: 9/30/2015 Time: 2:00 PM
 Rig Release: 10/1/2015 Time: 11:00 AM

ELEVATIONS

K.B. Elevation: 1810.00ft Ground Elevation: 1800.00ft
 K.B. to Ground: 10.00ft

NOTES

Surface Casing: 8-5/8" at 269'
 Production Casing: None

Daily Penetration:
 09/25/15 SPUD @ 8:15 AM
 09/26/15 785'
 09/27/15 2070'
 09/28/15 3050'
 09/29/15 3355'
 09/30/15 3440' RTD @ 2:00 PM
 10/01/15 3592' Rig released @ 11:00 AM

DRILL STEM TESTS

DST #1 3350'-3370' L/KC "H". Weak blow that died in 5 minutes on the initial flow period. No blow on the second flow period, pulled tool. Recovered: 25' Drilling Mud. IFP/15" 15-23 psi, ISIP/30" 245 psi, FFP/5" 24-22 psi, FSIP/ Not Recorded

DST #2 3520'-3592' Arbuckle. Fair blow, built to 10" on the first flow period. Weak blow, built to 3" on the second flow period. Recovered: 150' Muddy Water IFP/30" 63-50 psi, ISIP/45" 1161 psi, FFP/30" 50-78 psi, FSIP/45" 1160 psi

GEOLOGICAL TOPS

Formation	Sample Top	Datum	Comparison*
Heebner	3076'	-1266	-1
Toronto	3095'	-1285	-1
Douglas	3108'	-1298	-1
Brown Lime	3204'	-1394	flat
Lansing	3229'	-1419	flat
Base KC	3468'	-1658	-2
Viola	3496'	-1686	-1
Simpson	3526'	-1716	-1
Simpson Sand	3549'	-1739	-2
Arbuckle	3578'	-1768	-2

*Reference well: LaVeta Oil & Gas, #1 Hammeke, 1600' FNL / 1400' FEL, Section 12-22S-12W, Stafford County, Kansas

ROCK TYPES

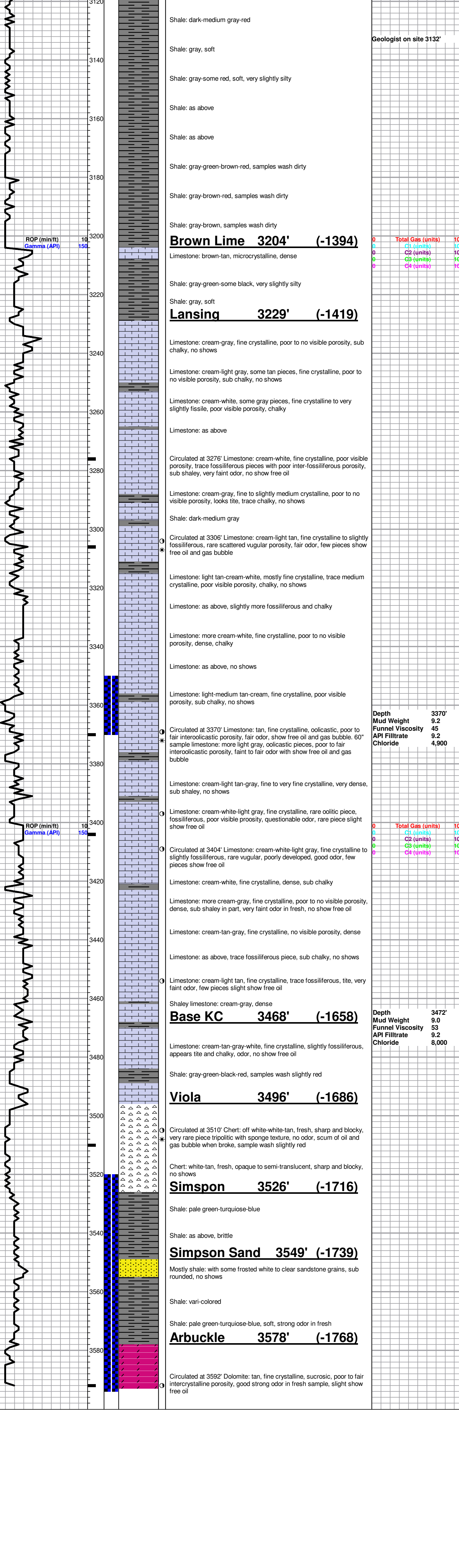
Legend for Rock Types and Symbols:

- Chert (Cht): Pink triangle pattern
- Dolomite (Dolprim): Pink solid
- Limestone (Lmst fw7>): Blue horizontal lines
- Shale (shale, gry): Grey horizontal lines
- Carbon Shale (Carbon Sh): Black solid
- Sandstone (Ss): Yellow dotted

OTHER SYMBOLS

Legend for Symbols:

- Oil Show: Good Show (black circle), Fair Show (grey circle), Poor Show or Trace (white circle), Spotted or Trace (white circle with dots), Questionable Stn (white circle with X), Dead Oil Stn (white circle with D), Fluorescence (white circle with F), Gas (white circle with G)
- DST: DST Int (blue square), DST alt (red square), Core (white square), Tail pipe (white square with vertical lines)



Company: La Veta Oil & Gas
 Address: PO Box 780
 Middleburg, VA 20118-0780

OPERATOR

Contact Geologist:
 Contact Phone Nbr:
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 Pool: Kansas
 State: Kansas
 API: 15-185-23945
 Field: Max
 Country: USA

Scale 1:240 Imperial

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 Drilling Fluid Type: Chemical (MudCo)

SURFACE CO-ORDINATES

Well Type: Vertical
 Longitude:
 N/S Co-ord: 1945' FNL
 E/W Co-ord: 1775' FEL
 Latitude:

LOGGED BY



Company: TerraTech Energy Service LLC.
 Address: 1632 S. West St. Suite 12
 Wichita, KS 67208
 Phone Nbr: 316-617-3959
 Logged By: Geologist Name: Bruce Reed

CONTRACTOR

Contractor: Maverick Drilling
 Rig #: 106
 Rig Type: mud rotary
 Spud Date: 9/25/2015 Time: 8:15 AM
 TD Date: 9/30/2015 Time: 2:00 PM
 Rig Release: 10/1/2015 Time: 11:00 AM

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NOTES

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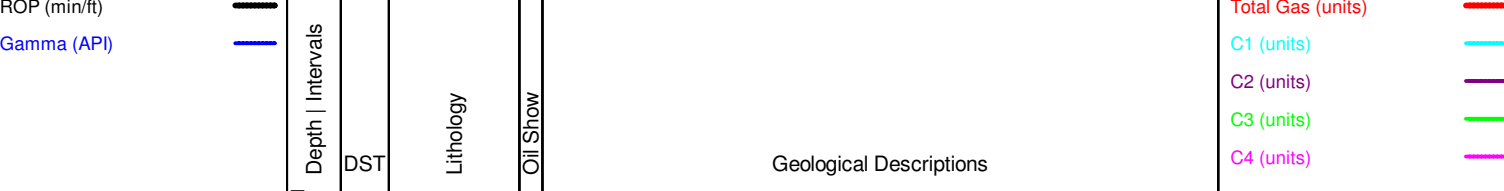
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GEOLOGICAL TOPS

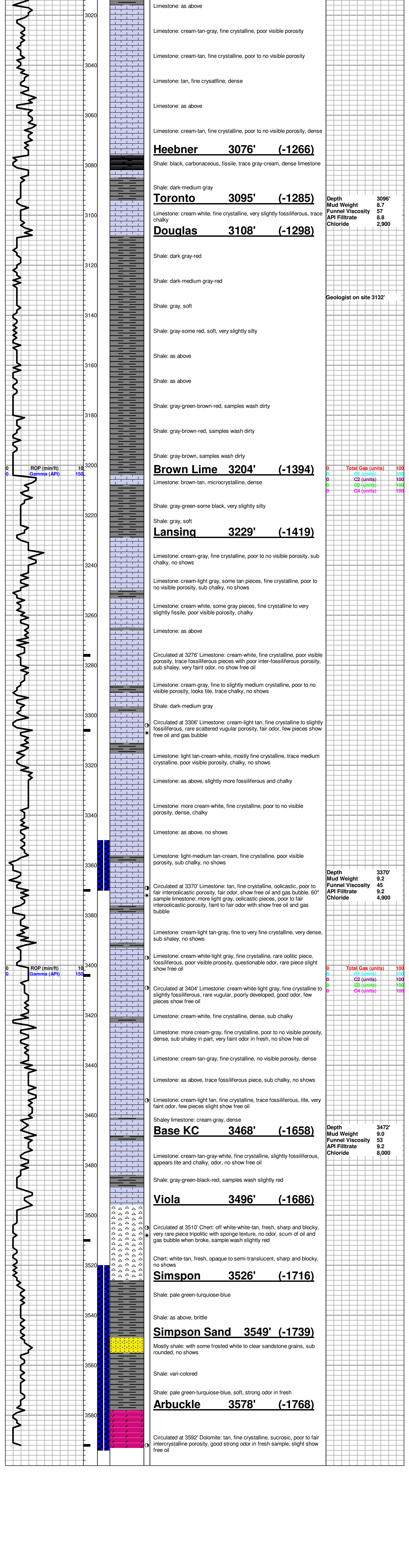
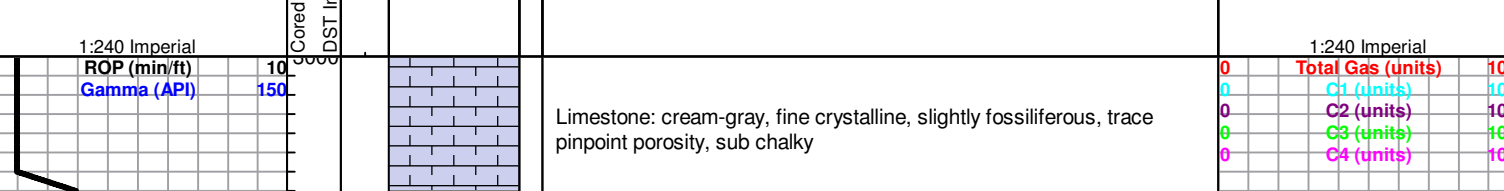
Formation	Sample Top	Datum	Comparison*
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Toronto	3095'	-1285	-1
Douglas	3108'	-1298	-1
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Lansing	3229'	-1419	flat
Base KC	3468'	-1658	-2
Viola	3496'	-1686	-1
Simpson	3526'	-1716	-1
Simpson Sand	3549'	-1739	-2
Arbuckle	3578'	-1768	-2

*Reference well: LaVeta Oil & Gas, #1 Hammeke, 1600' FNL / 1400' FEL, Section 12-22S-12W, Stafford County, Kansas

ROCK TYPES



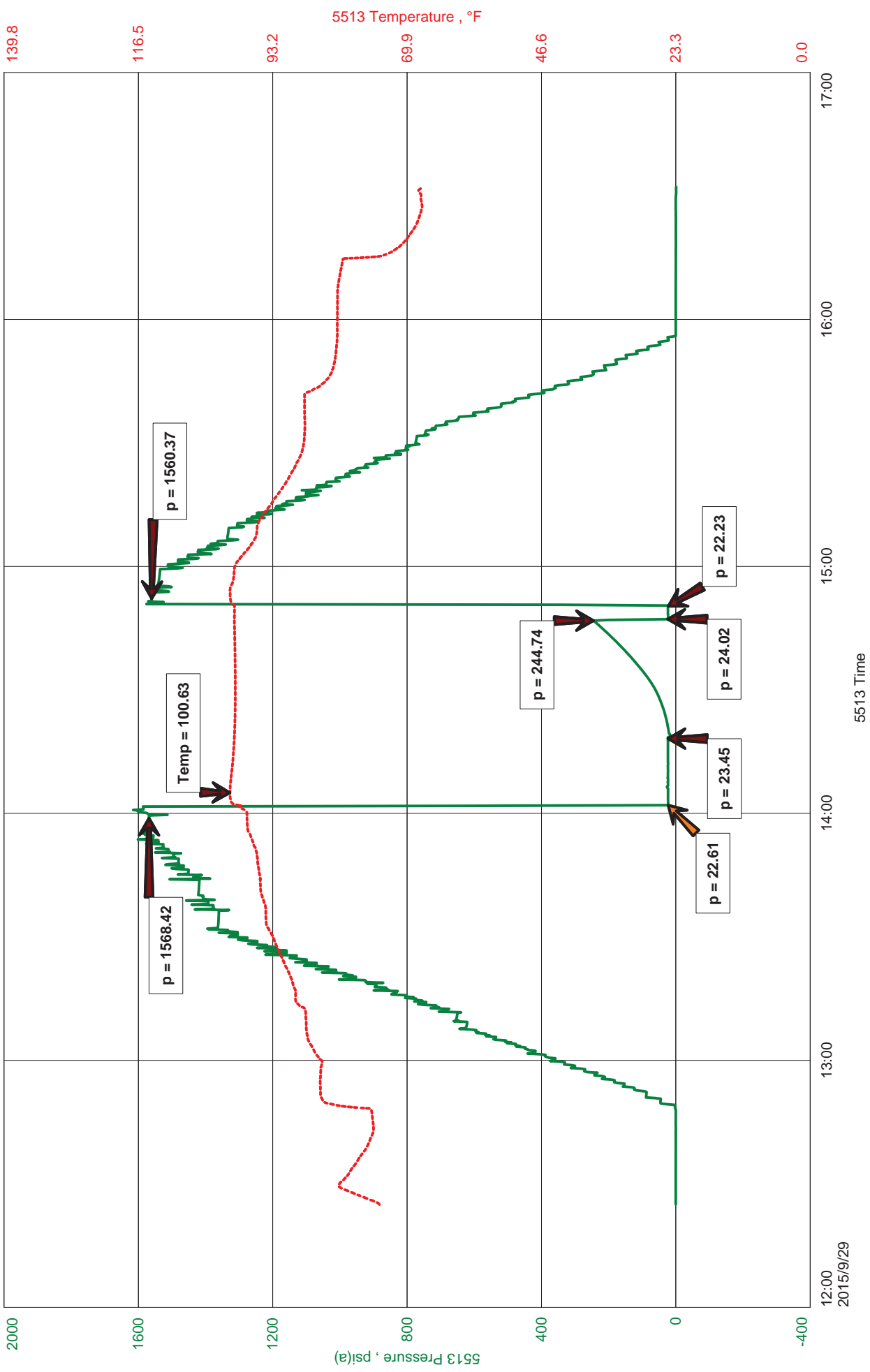
OTHER SYMBOLS



LaVeta Oil and Gas, LLC
DST #1 LKC H 3350-3370
Start Test Date: 2015/09/29
Final Test Date: 2015/09/29

Hammeke #4
Formation: LKC H
Job Number: K259

Hammeke #4





JASON MCLEMORE

CELL # 620-617-0527

General Information

Company Name	LaVeta Oil and Gas, LLC	Job Number	K259
Contact	Bennie Griffin	Representative	Jason McLemore
Well Name	Hammeke #4	Well Operator	LaVeta Oil and Gas, LLC
Unique Well ID	DST #1 LKC H 3350-3370	Prepared By	Jason McLemore
Surface Location	12-22s-12w-Stafford	Qualified By	Bruce Reed
Field	Max	Test Unit	
Well Type	Vertical		

Test Information

Test Type	Drill Stem Test	Representative	Jason McLemore
Formation	LKC H	Well Operator	LaVeta Oil and Gas, LLC
Well Fluid Type	01 Oil	Report Date	2015/09/29
Test Purpose (AEUB)	Initial Test	Prepared By	Jason McLemore
Start Test Date	2015/09/29	Start Test Time	12:25:00
Final Test Date	2015/09/29	Final Test Time	16:37:00

Test Results

RECOVERED:

25	Drilling Mud
25	TOTAL FLUID



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: hammeke4dst1

TIME ON: 12:25 PM
TIME OFF: 4:37 PM

Company LaVeta Oil and Gas, LLC Lease & Well No. Hammeke #4
Contractor Maverick #106 Charge to LaVeta Oil and Gas, LLC
Elevation KB 1810 Formation LKC H Effective Pay _____ Ft. Ticket No. K259
Date 9-29-15 Sec. 12 Twp. 22 S Range 12 W County Stafford State KANSAS
Test Approved By Bruce Reed Diamond Representative Jason McLemore

Formation Test No. 1 Interval Tested from 3350 ft. to 3370 ft. Total Depth 3370 ft.
Packer Depth 3345 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 3350 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3338 ft. Recorder Number 5513 Cap. 5000 P.S.I.
Bottom Recorder Depth (Outside) 3339 ft. Recorder Number 5588 Cap. 6000 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type Chemical Viscosity 45 Drill Collar Length 0 ft. I.D. 2 1/4 in.
Weight 9.2 Water Loss 9.2 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 4900 P.P.M. Drill Pipe Length 3324 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number NA Test Tool Length 26 ft. Tool Size 3 1/2-IF in.
Did Well Flow? No Reversed Out No Anchor Length 20 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: Weak Blow, Died in 5 Min., No Blowback
2nd Open: Dead

Recovered <u>25</u> ft. of <u>Drilling Mud</u>	Price Job Other Charges Insurance Total
Recovered <u>25</u> ft. of <u>TOTAL FLUID</u>	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Remarks: <u>Slid Tool 6' On Open</u>	

Time Set Packer(s) 2:07 PM A.M. P.M. Time Started Off Bottom 2:57 PM A.M. P.M. Maximum Temperature 101

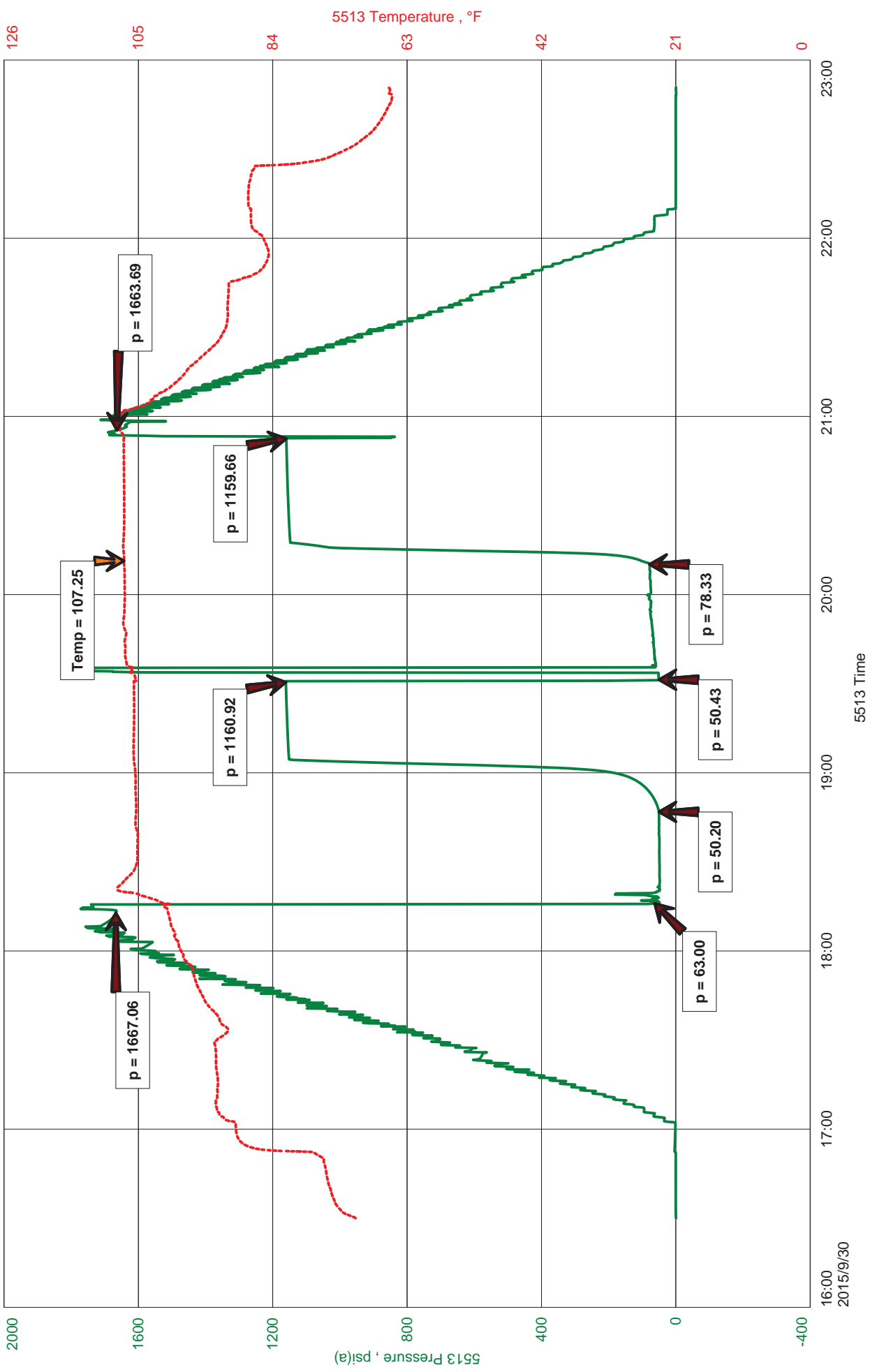
Initial Hydrostatic Pressure..... (A) 1568 P.S.I.
Initial Flow Period..... Minutes 15 (B) 23 P.S.I. to (C) 23 P.S.I.
Initial Closed In Period..... Minutes 30 (D) 245 P.S.I.
Final Flow Period..... Minutes 5 (E) 24 P.S.I. to (F) 22 P.S.I.
Final Closed In Period..... Minutes _____ (G) ---- P.S.I.
Final Hydrostatic Pressure..... (H) 1560 P.S.I.

Diamond Testing shall not be liable for damages of any kind to 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 statement or opinion concerning the result 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.

LaVeta Oil and Gas, LLC
DST #2 Arbuckle 3520-3592
Start Test Date: 2015/09/30
Final Test Date: 2015/09/30

Hammeke #4
Formation: Arbuckle
Pool: Wildcat
Job Number: K260

Hammeke #4





JASON MCLEMORE

CELL # 620-617-0527

General Information

Company Name	LaVeta Oil and Gas, LLC	Job Number	K260
Contact	Bennie Griffin	Representative	Jason McLemore
Well Name	Hammeke #4	Well Operator	LaVeta Oil and Gas, LLC
Unique Well ID	DST #2 Arbuckle 3520-3592	Prepared By	Jason McLemore
Surface Location	12-22s-12w-Stafford	Qualified By	Bruce Reed
Field	Max	Test Unit	6
Well Type	Vertical		

Test Information

Test Type	Drill Stem Test	Representative	Jason McLemore
Formation	Arbuckle	Well Operator	LaVeta Oil and Gas, LLC
Well Fluid Type	01 Oil	Report Date	2015/09/30
Test Purpose (AEUB)	Initial Test	Prepared By	Jason McLemore
Start Test Date	2015/09/30	Start Test Time	16:30:00
Final Test Date	2015/09/30	Final Test Time	23:30:00

Test Results

RECOVERED:

150	Muddy Water, 50% Water, 50% Mud
150	TOTAL FLUID



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: hammeke4dst2

TIME ON: 4:30 PM
TIME OFF: 11:30 PM

Company LaVeta Oil and Gas, LLC Lease & Well No. Hammeke #4
Contractor Maverick #106 Charge to LaVeta Oil and Gas, LLC
Elevation KB 1810 Formation _____ Arbuckle Effective Pay _____ Ft. Ticket No. K260
Date 9-30-15 Sec. 12 Twp. _____ 22 S Range _____ 12 W County _____ Stafford State KANSAS
Test Approved By Bruce Reed Diamond Representative _____ Jason McLemore

Formation Test No. 2 Interval Tested from 3520 ft. to 3592 ft. Total Depth _____ 3592 ft.
Packer Depth _____ 3515 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth _____ 3520 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) _____ 3508 ft. Recorder Number _____ 5513 Cap. _____ 5000 P.S.I.
Bottom Recorder Depth (Outside) _____ 3509 ft. Recorder Number _____ 5588 Cap. _____ 6000 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type Chemical Viscosity _____ 52 Drill Collar Length _____ 0 ft. I.D. _____ 2 1/4 in.
Weight _____ 9.0 Water Loss _____ 9.2 cc. Weight Pipe Length _____ 0 ft. I.D. _____ 2 7/8 in.
Chlorides _____ 8000 P.P.M. Drill Pipe Length _____ 3494 ft. I.D. _____ 3 1/2 in.
Jars: Make STERLING Serial Number _____ NA Test Tool Length _____ 26 ft. Tool Size 3 1/2-IF in.
Did Well Flow? No Reversed Out No Anchor Length _____ 72 ft. Size _____ 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. 62' DP in Anchor Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: Fair Blow, Built to 10", No Blowback
2nd Open: Weak Blow, Built to 3", No Blowback

Recovered _____ 150 ft. of Muddy Water, 50% Water, 50% Mud
Recovered _____ 150 ft. of TOTAL FLUID
Recovered _____ ft. of _____
Recovered _____ ft. of _____

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	Insurance
_____	Total

Time Set Packer(s) 6:55 PM A.M. P.M. Time Started Off Bottom 9:25 PM A.M. P.M. Maximum Temperature 107

Initial Hydrostatic Pressure..... (A) _____ 1667 P.S.I.
Initial Flow Period..... Minutes 30 (B) _____ 63 P.S.I. to (C) _____ 50 P.S.I.
Initial Closed In Period..... Minutes 45 (D) _____ 1161 P.S.I.
Final Flow Period..... Minutes 30 (E) _____ 50 P.S.I. to (F) _____ 78 P.S.I.
Final Closed In Period..... Minutes 45 (G) _____ 1160 P.S.I.
Final Hydrostatic Pressure..... (H) _____ 1664 P.S.I.

Diamond Testing shall not be liable for damages of any kind to 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 statement or opinion concerning the result 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.

ALLIED OIL & GAS SERVICES, LLC

Federal Tax I.D. #20-5975804

065733

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT:

Crescent Bend

DATE <u>10-1-15</u>	SEC. <u>12</u>	TWP. <u>22S</u>	RANGE <u>12W</u>	CALLED OUT	ON LOCATION	JOB START <u>8:00 AM</u>	JOB FINISH <u>9:00 AM</u>
LEASE <u>Hammock</u>	WELL # <u>3</u>	LOCATION <u>ILKE 50E 34 East</u>		COUNTY <u>Stafford</u>	STATE <u>TX</u>		
OLD OR <u>NEW</u> (Circle one)		<u>Southlake</u>					

CONTRACTOR Maurice OWNER LAUSTA

TYPE OF JOB PTA

HOLE SIZE 7 7/8 T.D. 3592

CASING SIZE _____ DEPTH _____

TUBING SIZE _____ DEPTH _____

DRILL PIPE 4 1/2 DEPTH 3575

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. _____

PERFS. _____

DISPLACEMENT 14 HZs 42 mud

EQUIPMENT _____

PUMP TRUCK CEMENTER VAN DYKE DAVIS

3 ble HELPER Brian huns

BULK TRUCK _____

610/170 DRIVER Martin

BULK TRUCK _____

_____ DRIVER _____

REMARKS:

1st plug 3575 Rev 5 H 20 AH recd

Mix 50SX Dip 5 H 20 + 42 mud

2nd plug 850 Rev 5 ABH 4 20

Mix 50SX Dip 8.84 H 20

3rd plug 200 feet mix 40SX

Dip 125 H 20

4th 60 feet mix 20SX

Rat 30SX mud 20SX

CHARGE TO: LAUSTA

STREET _____ STATE _____ ZIP _____

To: Allied Oil & Gas Services, LLC.

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 Cecil E. Farmer

SIGNATURE Cecil E. Farmer

CEMENT

AMOUNT ORDERED 210 SX 60/40 + 4 28
+ 4 #10

COMMON @ _____

POZMIX @ _____

GEL @ _____

CHLORIDE @ _____

ASC @ _____

210 SX 60/40 + 4 28 @ 18.92 3973.20

+ 4 #10 53 @ 2.97 157.41

TOTAL 4,130.61

DISCOUNT 50 % 2,065.31

SERVICE

HANDLING 225.51 @ 2.48 559.24

MILEAGE 9.42 x 15 x 2.75 388.58

DEPTH OF JOB _____

PUMP TRUCK CHARGE _____ @ 2600.47

EXTRA FOOTAGE _____ @ _____

HV MILEAGE 15 @ 7.70 115.50

LV MILEAGE 15 @ 4.40 66.00

TOTAL 3,729.81

DISCOUNT 50 % 1,864.91

PLUG & FLOAT EQUIPMENT

wooden plug 110.00

TOTAL 110.00

DISCOUNT _____ % _____

SALES TAX (If Any) _____

TOTAL CHARGES 7,970.43

DISCOUNT 3,985.21 IF PAID IN 30 DAYS

NET TOTAL 3,985.21 IF PAID IN 30 DAYS

ROTARY PLUG

.0142 + .0406 = .0548

4 1/2 DRILL PIPE IN 7 7/8 HOLE

INSIDE PIPE CAPACITY = .0142

60% COMMON, 40% POZ+ 4% GEL+1/4 # FLO-SEAL

PIPE & HOLE VOLUME & HEIGHT = .0406

COMPANY _____
 LEASE NAME _____ WELL# _____
 CEMENTER _____

1 ST PLUG AT 3575 FT 50 Sx
 WATER 50 Sx X 6.7 ÷ 42 = 7.97 Bbls
 SLURRY 50 Sx X 1.40 X .1781 = 12.44 Bbls,
 SLURRY 12.44 Bbls ÷ .0548 = 227 FT = FILL UP
 DEPTH OF DRILL PIPE 3575 FT - FILL UP 227 FT = BALANCE PLUG
 BALANCE PLUG 3348 FT X .0142 = 47.54 Bbls = DISPLACEMENT, CUT 10 Bbls,
 PUMP 5 Bbls, WATER
 MIX 7.97 Bbls, CEMENT
 DISPLACE 5 Bbls, WATER AND 42 Bbls, MUD 3.63

2 ND PLUG AT 850 FT 50 Sx
 WATER 50 Sx X 6.7 ÷ 42 = 7.97 Bbls,
 SLURRY 50 Sx X 1.40 X .1781 = 12.44 Bbls,
 SLURRY 12.44 Bbls ÷ .0548 = 227 FT = FILL UP
 DEPTH OF DRILL PIPE 850 FT - FILL UP 227 FT = BALANCE PLUG
 BALANCE PLUG 623 FT X .0142 = 8.84 Bbls, DISPLACEMENT CUT 1 1/2 Bbls,
 PUMP 5 Bbls, WATER
 MIX 7.97 Bbls, CEMENT
 DISPLACE 8.84 Bbls, WATER

3 RD PLUG AT 200 FT 40 Sx
 WATER 40 Sx X 6.7 ÷ 42 = 6.38 Bbls,
 SLURRY 40 Sx X 1.40 X .1781 = 9.97 Bbls,
 SLURRY 9.97 Bbls ÷ .0548 = 182 FT = FILL UP
 DEPTH OF DRILL PIPE 200 FT - FILL UP 182 FT = BALANCE PLUG
 BALANCE PLUG 18 FT X .0142 = .25 Bbls, DISPLACEMENT CUT 1 1/2 Bbls,
 MIX 6.38 Bbls, CEMENT
 DISPLACE .25 Bbls, WATER

4 TH PLUG AT 60 FT 20 Sx
 WATER 20 Sx X 6.7 ÷ 42 = 3.19 Bbls,
 SLURRY 20 Sx X 1.40 X .1781 = _____ Bbls,
 SLURRY _____ Bbls ÷ .0548 = _____ FT = FILL UP
 DEPTH OF DRILL PIPE _____ FT - FILL UP _____ FT = BALANCE PLUG
 BALANCE PLUG _____ FT X .0142 = _____ Bbls, DISPLACEMENT
 MIX _____ Bbls, CEMENT
 DISPLACE _____ Bbls

Mouse 3.19
 Rat Box 4.25