

Send 1-22-12

**KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION**

**WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE**

ORIGINAL

Form ACO-1
June 2009
Form Must Be Typed
Form must be Signed
All blanks must be Filled

OPERATOR: License # 6037
Name: Staab Oil Company
Address 1: 1607 Hopewell Road
Address 2: _____
City: Hays State: KS Zip: 67601 + _____
Contact Person: Francis C. Staab
Phone: (785) 625-5013
CONTRACTOR: License # 5184
Name: Shields Drilling
Wellsite Geologist: Randy Killian
Purchaser: Coffeyville Resources

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 #: _____

12-8-11	12-16-11	1-15-12
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 051-26241-00 070

Spot Description: _____
SW SE SW SW Sec. 20 Twp. 12 S. R. 19 ☐ East ☒ West
55 Feet from ☐ North / ☒ South Line of Section
760 Feet from ☐ East / ☒ West Line of Section

Footages Calculated from Nearest Outside Section Corner:

☐ NE ☐ NW ☐ SE ☒ SW

County: Ellis

Lease Name: Hottman Furthmyer Unit 1 Well #: 1

Field Name: Wildcat

Producing Formation: LKC

Elevation: Ground: 2167 Kelly Bushing: 2172

Total Depth: 3920 Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: 231 Feet

Multiple Stage Cementing Collar Used? ☒ Yes ☐ No

If yes, show depth set: 1613 Feet

If Alternate II completion, cement circulated from: 1603

feet depth to: 2 w/ 350 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 #: _____

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JAN 30 2012

KCC WICHITA

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

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.

Signature: Francis C. Staab
Title: Partner Date: 1-22-12

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: Dg Date: 2/1/12

Operator Name: Staab Oil Company Lease Name: Hottman Furthmyer Unit 1 Well #: 1
 Sec. 20 Twp. 12 S. R. 19 ☐ East ☒ West County: Ellis

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 ☒ Yes ☐ No
 (Attach Additional Sheets)

Samples Sent to Geological Survey ☐ Yes ☒ No

Cores Taken ☐ Yes ☒ No

Electric Log Run ☒ Yes ☐ No

Electric Log Submitted Electronically ☐ Yes ☒ No
 (If no, Submit Copy)

List All E. Logs Run:

Dual Induction, Micro Sonic
 Dual Compensated Porosity

☐ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
Anh	1511	+661
Base	1558	+614
Heebner	3450	-1278
Lansing	3492	-1320
BKC	3733	-1561
Arb	3879	-1707
TD	3919	-1747

CASING RECORD ☐ New ☐ 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 1/4	8 5/8	20	231	Common	150	
Production Pipe	7 7/8	5 1/2	14	3916	Common	150	ASC
					DV Anh	350	

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				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
2 per ft	3526-3531 and 3546-3549	Treated C Zone	
	C&D Zone	250 MA	
	Bridge Plug at 3570 ft.	Treated D Zone	
		250 gals MA	

TUBING RECORD:		Size: <u>2 7/8</u>	Set At: <u>3520</u>	Packer At: <u>NONE</u>	Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR. <u>1-20-12</u>		Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____			
Estimated Production Per 24 Hours	Oil Bbls. <u>10</u>	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity <u>32</u>
			<u>NONE</u>		

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease (If vented, Submit ACO-18.)		METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled (Submit ACO-5) (Submit ACO-4)		PRODUCTION INTERVAL: <u>3526-3531</u> <u>3546-3549</u>	
		<input type="checkbox"/> Other (Specify) _____			

QUALITY WELL SERVICE, INC.

5403

Home Office 324 Simpson St., Pratt, KS 67124

Todd's Cell 620-388-5422

Office / Fax 620-672-3663

Rich's Cell 620-727-3409

Brady's Cell 620-727-6964

Date 12-9-11	Sec. 20	Twp. 12	Range 19	County Ellis	State KS	On Location	Finish 4:00am
Lease Hottel - 1/2 Section or		Well No. 1		Location Haystack GW 15 1/2 E N 1/4			
Contractor Shields # 2				Owner			
Type Job Surface				To Quality Well Service, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.			
Hole Size 12 1/4		T.D. 234		Charge To Starb Oil Co			
Csg. 8 5/8 used 20#		Depth 234 24 0231		Street 1607 Upewell RD			
Tbg. Size		Depth		City Hays State KS 67601			
Tool		Depth		The above was done to satisfaction and supervision of owner agent or contractor.			
Cement Left in Csg. 15		Shoe Joint		Cement Amount Ordered			
Meas Line		Displace 13.94					
EQUIPMENT							
Pumptrk	No. 7	David		Common 150			
Bulktrk	No. 10	150		Poz. Mix			
Bulktrk	No.			Gel. 2%			
Pickup	No.			Calcium 5%			
JOB SERVICES & REMARKS							
Rat Hole				Hulls			
Mouse Hole				Salt			
Centralizers				Flowseal			
Baskets				Kol-Seal			
D/V or Port Collar				Mud CLR 48			
Ran 5 1/2" & 8 5/8" used casing 20# landing it				CFL-117 or CD110 CAF 38			
				Sand			
				Handling			
				Mileage			
Est Circulation with mud pump				FLOAT EQUIPMENT			
				Guide Shoe			
				Centralizer			
Mixed 150sx and Reloaded plug 2 DSD 13.94 Dbl of 1120				Baskets			
				AFU Inserts			
				Float Shoe			
shot in @ 300 psi				Latch Down			
cement - D.D. circulate				Pumptrk Charge			
Thanks				Mileage			
				Tax			
				Discount			
				Total Charge			
X Signature							

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GENERAL TERMS AND CONDITIONS

DEFINITIONS: In these terms and conditions, "Quality" shall mean Quality Well Service, Inc. and "Customer" shall refer to the party identified by that term on the front of this contract. As applicable, "Job" relates to the services described on the front side of this contract, "merchandise" refers to the material described on the front of this contract and to other materials, products, or supplies used, sold, or furnished under the requirements of this contract.

– **TERMS:** Unless satisfactory credit has been established, "CUSTOMER" must tender full cash payment to "QUALITY" before the job is undertaken or merchandise is delivered. If satisfactory credit has been established, the terms of payment for the job and/or merchandise, including bulk cement, are net cash, payable in 30 days from the completion of the job and/or delivery of the merchandise. For all past due invoices, "CUSTOMER" agrees to pay interest on amounts invoiced at a rate of 18 percent per annum until paid. Notwithstanding the foregoing in no event shall this Contract provide for interest exceeding the maximum rate of interest that "CUSTOMER" may agree to pay under applicable law. If any such interest should be provided for, it shall be and hereby is deemed to be a mistake, and this contract shall be automatically reformed to lower the rate of interest to the maximum legal contract rate, any amounts previously paid as excess interest shall be deducted from the amounts owing from the "CUSTOMER" or at the option of "QUALITY," refunded directly to "CUSTOMER." For purposes of this paragraph, QUALITY and CUSTOMER agree that KANSAS law shall apply. Any discounts granted with this contract are null and void if the charges are not paid when due.

– **ATTORNEY FEES:** In any legal action or proceeding between the parties to enforce any of the terms of this Service Contract, or in any way pertaining to the term of this Contract, the prevailing party shall be entitled to recover all expenses, including, but not limited to, a reasonable sum as and attorney's fees.

– **PRICES AND TAXES:** All merchandise listed in "QUALITY'S" current price shall schedule are F.O.B. QUALITY'S local station and are subject to change without notice. All prices are exclusive of any federal, state, local, or special taxes for the sale or use of the merchandise or services listed. The amount of taxes required to be paid by QUALITY shall be added to the quoted prices charged to CUSTOMER.

– **TOWING CHARGES:** QUALITY will make a reasonable attempt to get to and from each job site using its own equipment. Should QUALITY be unable to do so because of poor or inadequate road conditions, and should it become necessary to employ a tractor or other pulling equipment to get to or from the job site, the tractor or pulling equipment will be supplied by CUSTOMER or, if furnished by QUALITY, will be charged to and paid by CUSTOMER.

– **PREPARATION CHARGES:** If a job and/or merchandise is ordered and CUSTOMER cancels the order after preparation of a chemical solution or other material, CUSTOMER will pay QUALITY for the expenses incurred by QUALITY as a result of the cancellation.

– **DEADHAUL CHARGES:** Unless otherwise specified on the front of this Contract, a deadhaul charge as set forth in QUALITY'S current price book will be charged each way for each service unit which is ordered by CUSTOMER but not used.

– **SERVICE CONDITIONS AND LIABILITIES:** 1. QUALITY carries public liability and property damage insurance, but since there are so many uncertain and unknown conditions beyond QUALITY'S control, QUALITY shall not be liable for injuries to property or persons or for loss or damage arising from the performance of the job or delivery of the merchandise. CUSTOMER shall be responsible for and indemnify, defend, and hold harmless QUALITY, its officers, agents and employees, from and against any and all claims or suits for:

(A) Damage to property or for bodily injury, sickness, disease, or death, brought by any person, including CUSTOMER and/or the well owner; and:

(B) Oil spills, pollution, surface or sub-surface damage, injury to the well, reservoir loss, or damage arising from a well blowout arising out of or in connection with QUALITY'S performance of the job or furnishing of merchandise in accordance with this contract, unless such loss or damage is caused by the willful misconduct or gross negligence of QUALITY or its employees.

2. With respect to any of QUALITY'S tools, equipment, or instruments which are lost in the well or damaged when performing or attempting to perform the job or, in the case of marine operations, are lost or damaged at any time after delivery to the landing for CUSTOMER and before return to QUALITY at the landing, CUSTOMER shall either recover the lost item without cost to QUALITY or reimburse QUALITY the current replacement cost of the item unless the loss or damage results from the sole negligence of QUALITY or its employees.

3. QUALITY does not assume any liability or responsibility for damages or conditions resulting from chemical action in cements caused by contamination of water or other fluids.

WARRANTIES: 1. QUALITY warrants all merchandise manufactured or furnished by it to be free from defects in material and workmanship under normal use and service when installed, and used, and/or serviced in the manner provided and intended. QUALITY'S obligation under this warranty is expressly limited to repair replacement, or allowance for credit, at its option, for any merchandise which is determined by QUALITY to be defective. THIS IS THE SOLE WARRANTY OF QUALITY AND NO OTHER WARRANTY IS APPLICABLE, EITHER EXPRESS OR OTHERWISE IMPLIED, IN FACT OR IN LAW, INCLUDING ANY WARRANTY AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE, CUSTOMER'S sole and only remedy with regard to any defective merchandise shall be the repair or replacement thereof or allowance for credit as herein provided, and QUALITY shall not be liable for any consequential, special, incidental, or punitive damages resulting from or caused by defective materials, products or supplies.

2. More specifically:

(A) Nothing in this contract shall be constructed as a warranty by QUALITY of the success or the effectiveness of the result of any work done or merchandise used, sold, or furnished under this contract.

(B) Nothing in this contract shall be construed as a warranty of the accuracy or correctness of any facts, information, or data furnished by QUALITY or any interpretation of test, meter readings, chart information, analysis or research, or recommendations made by QUALITY, unless the inaccuracy or incorrectness is caused by the willful misconduct or gross negligence of QUALITY or its employees in the preparation or furnishing of such facts, information or data. (C) Work done by QUALITY shall be under the direct supervision and control of the CUSTOMER or his agent and QUALITY will accomplish the job as an independent contractor and not as an employee or agent of the CUSTOMER.



FIELD TICKET & TREATMENT REPORT CEMENT

TICKET NUMBER 33760
LOCATION Oakley, KS
FOREMAN Walt Dunkel

JOB TYPE	Prod - DV	HOLE SIZE	7 7/8	HOLE DEPTH	3920'	CASING SIZE & WEIGHT	5 1/2 - 14#
CASING DEPTH	3917'	DRILL PIPE		TUBING		OTHER	14#
SLURRY WEIGHT	14.2-12.5	SLURRY VOL		WATER gal/sk		CEMENT LEFT in CASING	33.5'
DISPLACEMENT	96 BBL	DISPLACEMENT PSI		MIX PSI		RATE	6 BPM
REMARKS:	3a Fels Meeting, Rig up on Shields Drlg, run Float Equipment DV Tool @ 1603', Circ on bottom 1 1/2 hrs, Pumped 500 gal mud flush, mixed 125 sks cem, 10% salt, clear Pump & Lines released Plug & Displaced 60 BBL H2O + 36 mud @ 500# max, landed Plug @ 1700#, release Pressure, Float Held. Open DV Tool + circ 2 Hrs, mixed 30 sks in R.H, 20 sks in M.H. mixed 325 sks 6 7/8" open, 8% salt 1 1/4" Ho-Sec release Plug + Displace 39 BBL H2O @ 600#, Landed Plug @ 1700# released Pressure, Tool Held						

Cement Diel Cure

Thank You
Walt & crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401C	1	PUMP CHARGE	2850. ⁰⁰	2850. ⁰⁰
5406	30	MILEAGE	5. ⁰⁰	150. ⁰⁰
11043	125-SKs	Class A Cement	16. ⁸⁰	2100. ⁰⁰
1131	375-SKs	6" ⁹ / ₄₀ per	14. ³⁵	5,381. ²⁵
1111	585 #	Salt	1.42	245. ⁷⁰
1118B	2584 #	Gel	1.24	620. ¹⁶
1107	94 #	Flo-Seal	2. ⁶⁶	250. ⁰⁴
1141G	500 gal	Mud Flush	1. ⁰⁰	500. ⁰⁰
5407A	22.0	Ton Mileage	1. ⁵⁸	1,042. ⁸⁰
4159	1	5 1/2 - AFU Float Shoe	413. ⁰⁰	413. ⁰⁰
4130	9	5 1/2 - Centralizers	58. ⁰⁰	522. ⁰⁰
4104	1	5 1/2 - Basket	276. ⁰⁰	276. ⁰⁰
4283	1	5 1/2 - DV Tool w/Latch down	3850. ⁰⁰	3850. ⁰⁰
				18,200. ⁹⁵
		Less 15% Disc.	-	2784. ¹⁴
		RECEIVED		15,416. ⁸¹
		246586	SALES TAX ESTIMATED TOTAL	754. ²⁷
		JAN 30 2012		16171. ⁵⁷

Ravin 3737

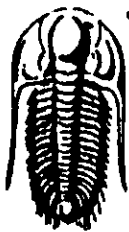
AUTHORIZATION

TITLE

~~KCC WICHITA~~

DATE _____

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Staab Oil Co inc.

20-12s-19w Ellis, KS

1607 Hopewell Rd
Hays, KS 67601

Hottzman Furthmyer 1

Job Ticket: 44584

DST#: 1

ATTN: Randy Kilian

Test Start: 2011.12.13 @ 17:20:05

GENERAL INFORMATION:

Formation: LKC "C-F"

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:39:40

Time Test Ended: 02:39:20

Test Type: Conventional Bottom Hole (Initial)

Tester: Andy Carreira

Unit No: 39

Interval: 3507.00 ft (KB) To 3600.00 ft (KB) (TVD)

Total Depth: 3600.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2172.00 ft (KB)

2167.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8352

Outside

Press@RunDepth: 255.47 psig @ 3514.00 ft (KB)

Start Date: 2011.12.13

End Date: 2011.12.14

Start Time: 17:20:05

End Time: 02:39:20

Capacity: 8000.00 psig

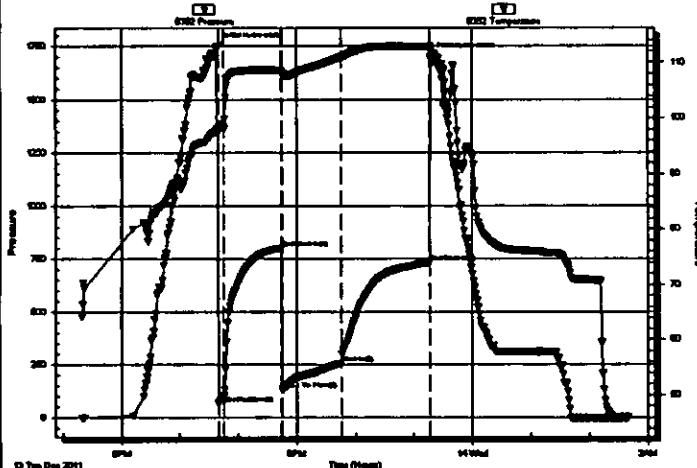
Last Calib.: 2011.12.14

Time On Btm: 2011.12.13 @ 19:38:30

Time Off Btm: 2011.12.13 @ 23:17:09

TEST COMMENT: IF:(5min) BOB, 1 min.
ISl:(60min) Return Blow, Built to 3 inches
FF:(60min) BOB, 3 min.
FSl:(90min) Return Blow, BOB, 20 min.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1749.93	97.95	Initial Hydro-static
2	65.89	97.64	Open To Flow (1)
7	106.39	98.05	Shut-In(1)
66	800.83	108.47	End Shut-In(1)
67	130.25	108.08	Open To Flow (2)
127	255.47	110.86	Shut-In(2)
218	731.32	112.65	End Shut-In(2)
219	1699.92	112.83	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	GOOM g=10% o=20% m=70%	0.44
62.00	GOOM g=25% o=25% m=50%	0.44
680.00	OGO g=15% o=85%	6.93
0.00	GIP= 680ft	0.00

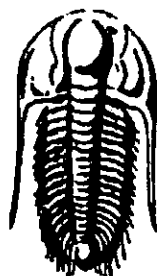
Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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JAN 30 2012

KCC WICHITA



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Staab Oil Co inc.**

1607 Hopewell Rd
Hays, KS 67601

ATTN: Randy Kilian

Hottzman Furthmyer 1

20-12s-19w Ellis,KS

Start Date: 2011.12.13 @ 17:20:05

End Date: 2011.12.14 @ 02:39:20

Job Ticket #: 44584 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

ORIGINAL

Printed: 2011.12.22 @ 07:49:50

Staab Oil Co inc.

20-12s-19w Ellis,KS

Hottzman Furthmyer 1

DST # 1

LKC"C-F"

2011.12.13



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Staab Oil Co inc.

1607 Hopewell Rd
Hays, KS 67601

ATTN: Randy Kilian

20-12s-19w Ellis, KS

Hottzman Furthmyer 1

Job Ticket: 44585

DST#: 2

Test Start: 2011.12.15 @ 02:48:05

GENERAL INFORMATION:

Formation: **Conglomerate Sand**

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

Time Tool Opened: 04:33:00

Time Test Ended: 08:19:39

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

Tester: **Andy Carreira**

Unit No: **39**

Interval: **3822.00 ft (KB) To 3860.00 ft (KB) (TVD)**

Total Depth: **3860.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **2172.00 ft (KB)**

2167.00 ft (CF)

KB to GR/CF: **5.00 ft**

Serial #: **8352**

Outside

Press@RunDepth: **20.12 psig @ 3857.00 ft (KB)**

Start Date: **2011.12.15**

End Date:

2011.12.15

Capacity: **8000.00 psig**

Last Calib.: **2011.12.15**

Start Time: **02:48:05**

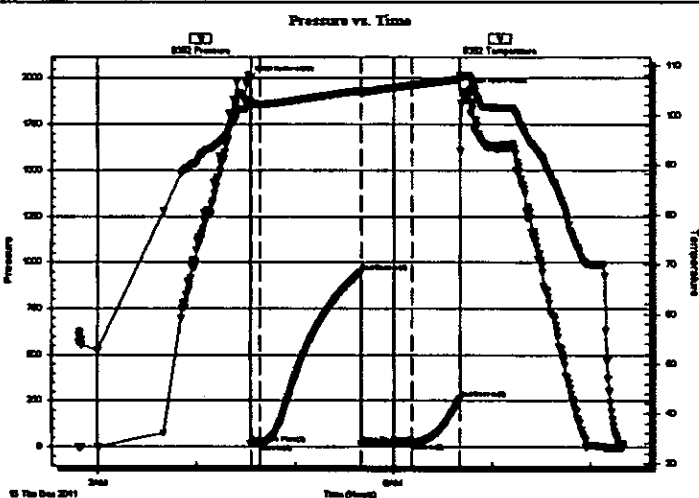
End Time:

08:19:40

Time On Btm: **2011.12.15 @ 04:31:40**

Time Off Btm: **2011.12.15 @ 06:41:40**

TEST COMMENT: IF:(5min) Weak surface blow
ISl:(60min) No Return
FF:(30min) No blow, Flushed, Surge, No blow
FSl:(30min) No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1992.18	102.31	Initial Hydro-static
2	16.09	102.11	Open To Flow (1)
7	17.25	102.10	Shut-In(1)
69	949.08	104.97	End Shut-In(1)
69	15.90	104.33	Open To Flow (2)
100	20.12	106.07	Shut-In(2)
129	262.86	107.31	End Shut-In(2)
131	1928.04	107.73	Final Hydro-static

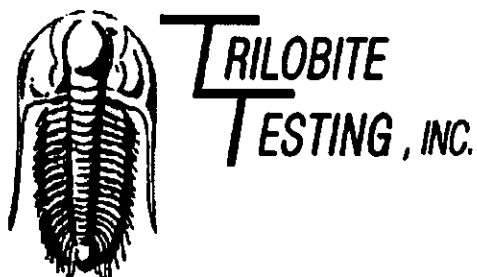
Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud w/ slight oil spks in tool	0.04

* Recovery from multiple tests

Gas Rates

	Choke (Inches)	Pressure (psig)	Gas Rate (Mcf/d)
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DRILL STEM TEST REPORT

Prepared For: **Staab Oil Co inc.**

1607 Hopewell Rd
Hays, KS 67601

ATTN: Randy Kilian

Hottzman Furthmyer 1

20-12s-19w Ellis,KS

Start Date: 2011.12.15 @ 02:48:05

End Date: 2011.12.15 @ 08:19:39

Job Ticket #: 44585 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2011.12.22 @ 07:50:05

Staab Oil Co inc.

20-12s-19w Ellis,KS

Hottzman Furthmyer 1

DST # 2

Conglomerate Sand

2011.12.15