



KANSAS CORPORATION COMMISSION 1068458  
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 # 31725  
Name: Shelby Resources LLC  
Address 1: 445 Union Boulevard  
Address 2: Suite 208  
City: LAKEWOOD State: CO Zip: 80228 +  
Contact Person: Chris Gottschalk  
Phone: ( 720 ) 274-4682  
CONTRACTOR: License # 5142  
Name: Sterling Drilling Company  
Wellsite Geologist: Keith Reavis  
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 (Cora, 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 #: \_\_\_\_\_  
05/27/2011    06/08/2011    08/06/2011  
Spud Date or    Date Reached TD    Completion Date or  
Recompletion Date       Recompletion Date

API No. 15 - 15-145-21640-00-00  
Spot Description: \_\_\_\_\_  
SW SE NW NE Sec. 7 Twp. 22 S. R. 16  East  West  
1212 Feet from  North /  South Line of Section  
1809 Feet from  East /  West Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
 NE     NW     SE     SW  
County: Pawnee  
Lease Name: Eakin Well #: 3-7  
Field Name: \_\_\_\_\_  
Producing Formation: Arbuckle  
Elevation: Ground: 2008 Kelly Bushing: 2019  
Total Depth: 4000 Plug Back Total Depth: \_\_\_\_\_  
Amount of Surface Pipe Set and Cemented at: 1033 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: 01/26/2012  
 Confidential Release Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution  
ALT  I  II  III Approved by: Deanna Garcia Date: 01/27/2012



1068458

Operator Name: Shelby Resources LLC Lease Name: Eakin Well #: 3-7  
 Sec. 7 Twp. 22 S. R. 16  East  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 <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input checked="" type="checkbox"/> Yes <input 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: <b>Attached</b>	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>Heebner</td> <td>3429</td> <td>-1412</td> </tr> <tr> <td>Lansing</td> <td>3537</td> <td>-1520</td> </tr> <tr> <td>Base KC</td> <td>3791</td> <td>-1774</td> </tr> <tr> <td>Arbuckle</td> <td>3869</td> <td>-1852</td> </tr> <tr> <td>Total Depth</td> <td>4000</td> <td>-1983</td> </tr> </table>	Name	Top	Datum	Heebner	3429	-1412	Lansing	3537	-1520	Base KC	3791	-1774	Arbuckle	3869	-1852	Total Depth	4000	-1983
Name	Top	Datum																	
Heebner	3429	-1412																	
Lansing	3537	-1520																	
Base KC	3791	-1774																	
Arbuckle	3869	-1852																	
Total Depth	4000	-1983																	

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	12.25	8.625	23	1033	60/40 Poz	515	2% gel / 3% cc
Production	7.875	5.5	15.5	3993	AA2	250	2% gel / 3% cc

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 checked="" type="checkbox"/> Plug Off Zone	3921-3924	AA2	40	2 % gel /3% cc
	3905-3910	AA2	40	2 % gel /3% cc

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
2	3882-86	250 gal 15% acid	
2	3891-94	250 gal 15% acid	

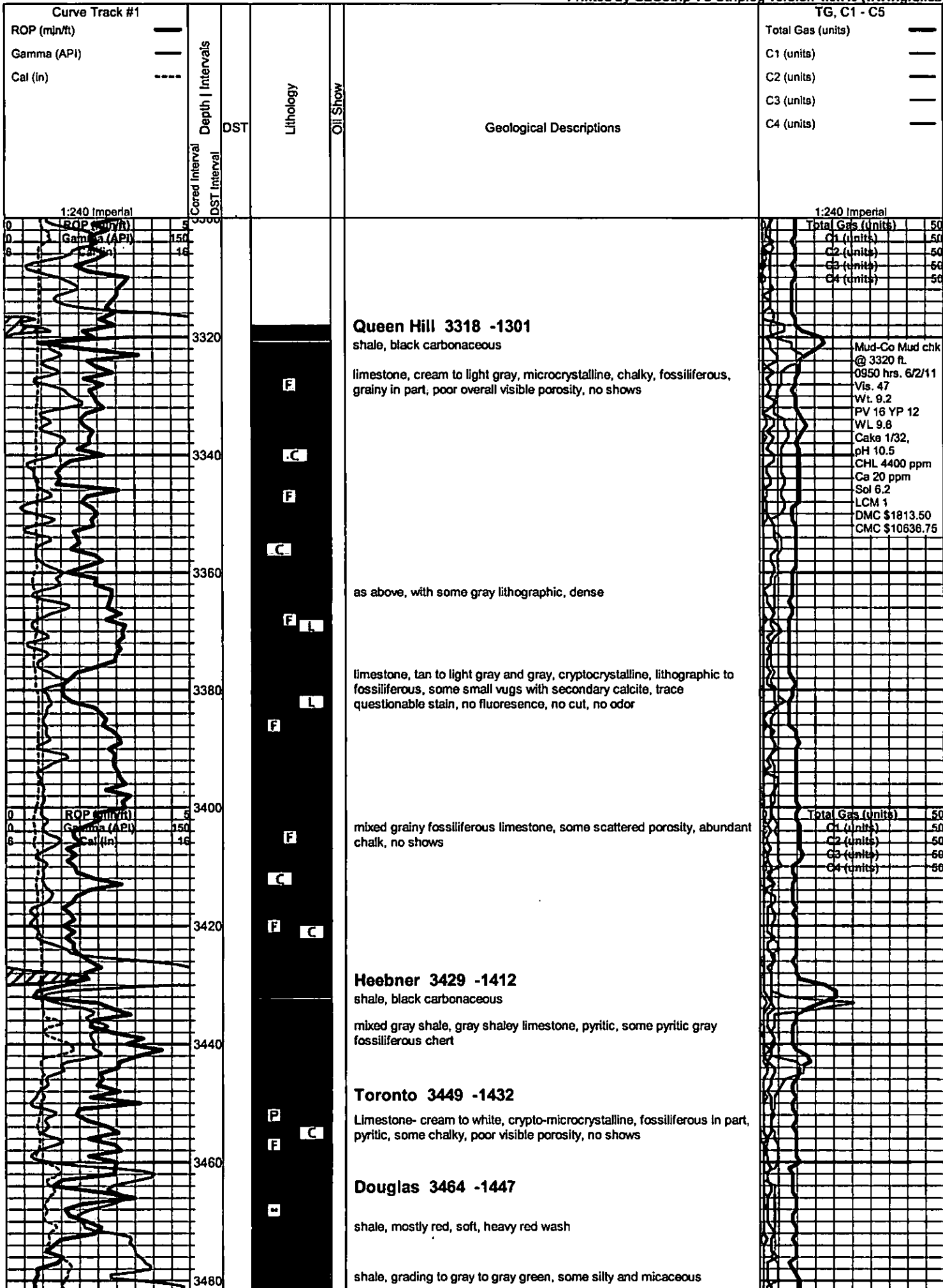
TUBING RECORD: Size: <u>2.385</u> Set At: <u>3883</u> Packer At: _____ Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No											
Date of First, Resumed Production, SWD or ENHR. <u>08/06/2011</u>	Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____										
Estimated Production Per 24 Hours	<table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:25%;">Oil Bbls.</td> <td style="width:25%;">Gas Mcf</td> <td style="width:25%;">Water Bbls.</td> <td style="width:25%;">Gas-Oil Ratio</td> <td style="width:20%;">Gravity</td> </tr> <tr> <td>10</td> <td> </td> <td>20</td> <td> </td> <td> </td> </tr> </table>	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity	10		20		
Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity							
10		20									

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 checked="" 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: <u>3882-3894</u>
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Form	ACO1 - Well Completion
Operator	Shelby Resources LLC
Well Name	Eakin 3-7
Doc ID	1068458

All Electric Logs Run

Dual Induction
Compensated Neutron
Micro
Sonic
Cement Bond



**Queen Hill 3318 -1301**

shale, black carbonaceous

limestone, cream to light gray, microcrystalline, chalky, fossiliferous, grainy in part, poor overall visible porosity, no shows

as above, with some gray lithographic, dense

limestone, tan to light gray and gray, cryptocrystalline, lithographic to fossiliferous, some small vugs with secondary calcite, trace questionable stain, no fluorescence, no cut, no odor

mixed grainy fossiliferous limestone, some scattered porosity, abundant chalk, no shows

**Heebner 3429 -1412**

shale, black carbonaceous

mixed gray shale, gray shaley limestone, pyritic, some pyritic gray fossiliferous chert

**Toronto 3449 -1432**

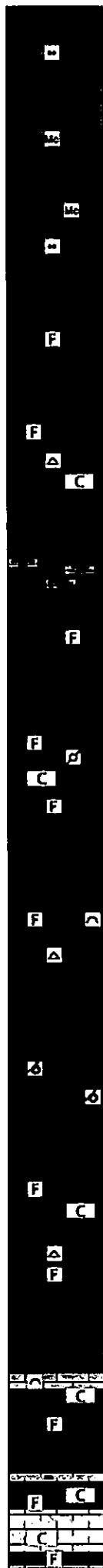
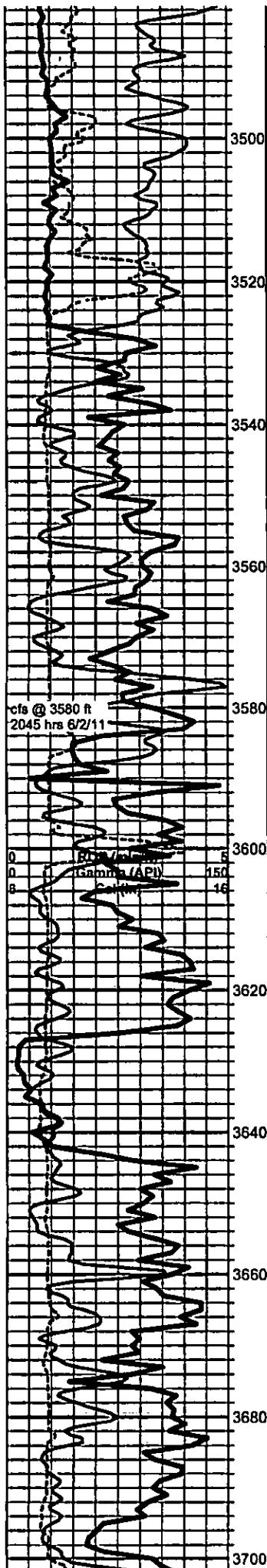
Limestone- cream to white, crypto-microcrystalline, fossiliferous in part, pyritic, some chalky, poor visible porosity, no shows

**Douglas 3464 -1447**

shale, mostly red, soft, heavy red wash

shale, grading to gray to gray green, some silty and micaceous

Mud-Co Mud chk @ 3320 ft. 0950 hrs. 6/2/11 Vis. 47 Wt. 9.2 PV 16 YP 12 WL 9.6 Caka 1/32, pH 10.5 CHL 4400 ppm Ca 20 ppm Sol 6.2 LCM 1 DMC \$1813.50 CMC \$10636.75



as above

**Brown Lime 3526 -1509**

limestone, tan to dark gray, cryptocrystalline, dense, fossiliferous, some large fossil fragments, no shows

**Lansing 3537 -1520**

limestone, white to cream, microcrystalline, fossiliferous to lithographic, chalky in part, poor visible porosity, with some gray/brown grainy limestone, no shows, some gray opaque to translucent fossiliferous cherts

limestone, cream, microcrystalline, fossiliferous, some pinpoint and surface etching, some secondary calcite, spotty to fair light brown stain, fair show free oil, fair odor, poor to fair spotty fluorescence, slow cut fluorescence

limestone, gray fossiliferous to gray mottled pelletal, chalky in part, poor overall porosity, some pellet molds, no odor or shows

limestone, cream to light gray, cryptocrystalline, fossiliferous to bioclastic, fairly dense, with limestone, gray/green, cryptocrystalline, slightly fossiliferous, dense, scattered fossiliferous chert, no shows

limestone, light gray, oomoldic, good oomold porosity, barren

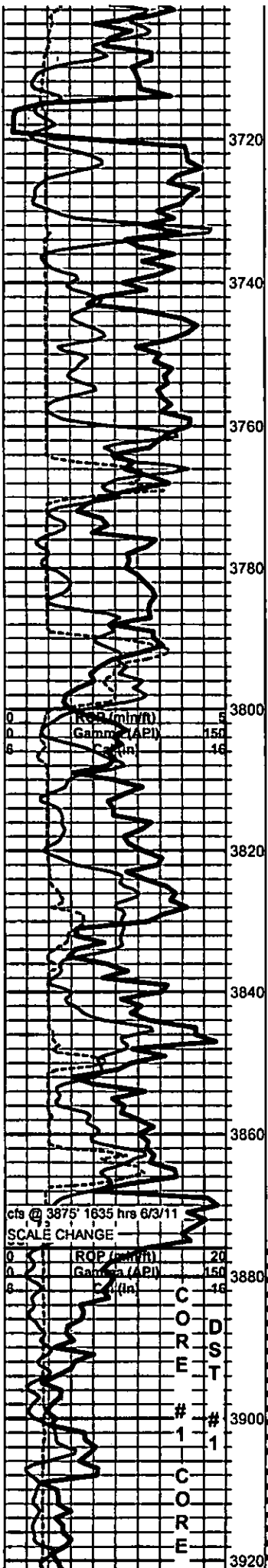
limestone, cream and gray, mixed fossiliferous, mostly dense, some chalk and scattered gray fossiliferous cherts, no shows

**Lansing H 3673 -1656**

limestone, gray, bioclastic, chalky, grading to light gray and cream, cryptocrystalline, fossiliferous, mostly dense, some chalk, poor visible porosity, no shows

limestone, white to light gray, micro-cryptocrystalline, fossiliferous, very chalky, poor visible porosity, abundant chalk, heavy white wash, no shows

Total Gas (units)	50
C1 (units)	50
C2 (units)	50
C3 (units)	50
C4 (units)	50



limestone, light gray to cream, oomoldic, good oomold porosity, barren, no fluorescence

limestone, light gray to gray/green, cryptocrystalline, slightly fossiliferous to lithographic, dense, no shows

STARK, black carboniferous shale

limestone, gray to tan and cream mixed fossiliferous, trace oolitic, mostly dense with poor overall visible porosity, no shows

HUSHPUCKNEY

limestone, gray to light gray, microcrystalline, some secondary calcite, fossiliferous, dense, some arenaceous, poor visible porosity, no shows

some pale green cryptocrystalline, lithographic in 3810 sample

**Base Kansas City 3791 -1774**  
gray and green shales

pale green to gray limestone as above

soft, pale green shales

limestone, brown to tan, some mottled, dense, fossiliferous, some large clasts, with cream chalky limestone, fossiliferous, no shows

shale, mixed gray, green, brick red, some maroon and green mottled, appx 60%, with mixed limestones, fossiliferous, trace oolitic, dense, trace chert

3870 sample, as above but samples very fine - 3875 sample, increasing shale, mostly red, influx olive and mottled, trace chert

**Arbuckle 3869 -1852**  
dolomite, brown to tan and some cream, microcrystalline rhombic to sucrosic, dense to friable, some chert nodules and interstitial shale, some fair porosity, saturated to spotty stain, good odor, good show free oil, bleeding gas, light fluorescence, slow streaming cut with halo to no cut

Core Descriptions by JRZ - based on core ends after splits by JW and KR

3875' (-1857) NO SAMPLE

3878' (-1860) Dolomite: It brn - brn, mic-vfn-fnxdn predominately sucrosic (looks like a block of Brown Sugar) to trace sub sucrosic to trace rhombic, poor to fair intdn Porosity, Truly Homogenic, an even brown saturated staining throughout the entire 2 - 3 inch core piece

3881' (-1863) NO SAMPLE

3884' (-1866) INTERBEDDED Dolomite as described above in the 3878' Core Sample and Shale/Dolomitic Shale: grn-brn-gry dense fissile in part finely laminated (Most Definitely Cap Rock)

3887' (-1869) NO SAMPLE 3890' (-1872) NO SAMPLE

Mud-Co Mud chk @ 3761 ft.  
1005 hrs. 6/3/11  
Vis. 42  
Wt. 9.3  
PV 12 YP 10  
WL 9.2  
Cake 1/32,  
pH 10.5  
CHL 4200 ppm  
Ca 20 ppm  
Sol 6.9  
LCM 1  
DMC \$2976.35  
CMC \$13613.10

Total Gas (units)	50
C1 (units)	50
C2 (units)	50
C3 (units)	50
C4 (units)	50

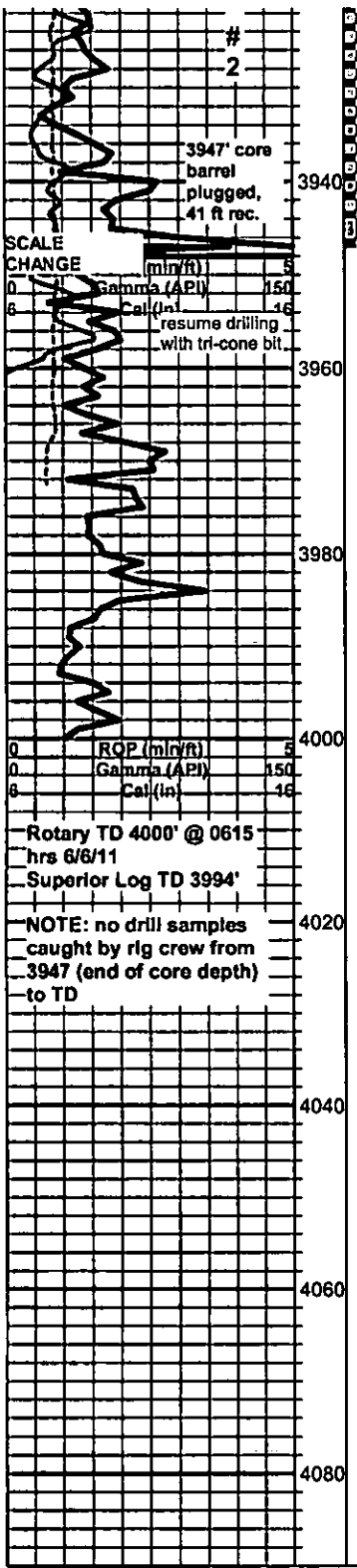
strap 0.45 ft short to board deviation survey 1 deg.

found extractor line plugged

EAKIN 3-7DST#1.pdf

Total Gas (units)	100
C1 (units)	100

Mud-Co Mud chk @ 3905 ft.  
1110 hrs. 6/4/11  
Vis. 52  
Wt. 9.3  
PV 14 YP 13  
WL 9.6  
Cake 1/32



3893' (-1875) Dolomite: lt gry- crm- lt brn, micro xn sucrosic, abundant Chert: gm-bone-wh-opaque, even sat dk brn - blk stain in matrix, scattered micro fractured porosity, Fractured w trace Vugs

3896' (-1878) Dolomite: lt brn- crm, micro xn sucrosic to vfn xn rhombic w/ trace Vugs, fint xn porosity, even saturated lt brn stain throughout

3899' (-1881) NO SAMPLE 3902' (-1884) NO SAMPLE

3905' (-1887) INTERBEDDED STRIATED Dolomite: striated layers of cream & lt gm mic-vfn xn sucrosic nli-vp inbfn porosity barren of stain except for scattered questionable laminated dolomite stringers trace fossiliferous & vuggy and Sandy with micro-vfn sub rounded opaque-clear quartz grains in the matrix with vp - p inbfn porosity with small - micro green shale inclusions with questionable residual dark brown wormy staining

3908' (-1890) Dolomite: lt brn-tan-crm, Big Vugs w/ abundant calcite xds - recrystallization in the Vugs, even - heavily oil saturated stain

3911' (-1893) NO SAMPLE

3914' (-1896) Dolomite: dk brn-brn-tan-grey, micro xn sucrosic w/ scat fn-med xn sub rhombic to rhombic slightly altered, even brown sat stain w/ wormy dark brown sat stain in micro fractures & altered dolomite

3917' (-1899) Dolomite: lt gry-crm, crypto-mic xn subsucrosic, sub lithographic w/ No visible porosity, visible micro fractures & sub vuggy in part with fn-med xn rhombs in micro fracture veins w/ gilsonitic stain & trace of brn spotty sat stain (Note: did bleed oil prior to being bagged per JW & KR). Keith and I felt like it looked Brecciated or Reworked due to some Digenetic Occurrences?

3920' (-1902) NO SAMPLE

3923' (-1905) Dolomite: lt gry, crypto-mic xn sucrosic, visible micro fractures & vuggy in part, wormy brn stain and spotty saturated brn stain in micro fractures & vugs

3926' (-1908) Dolomite: matrix is comprised of crypt xn dol - grading to an altered to reworked fn-med xn rhombic dol w/ the porosity filled with chalk to the micro fractures & vugs with even sat matrix w/ well developed calcite xds (secondary recrystallization) lining fractures & vugs (Note: was heavily bleeding oil prior to being bagged per JW & KR)

3929' (-1911) Very Similar to the 3926' Description Dolomite: lt brn (tr crm), mic-vfn xn sucrosic slightly chalky matrix w/ spotty lt brn sat staining, grading to a fn-med-trace coarse xn rhombic Dolomite that is altered in part, vuggy with the vugs being saturated with an even brn saturated stain

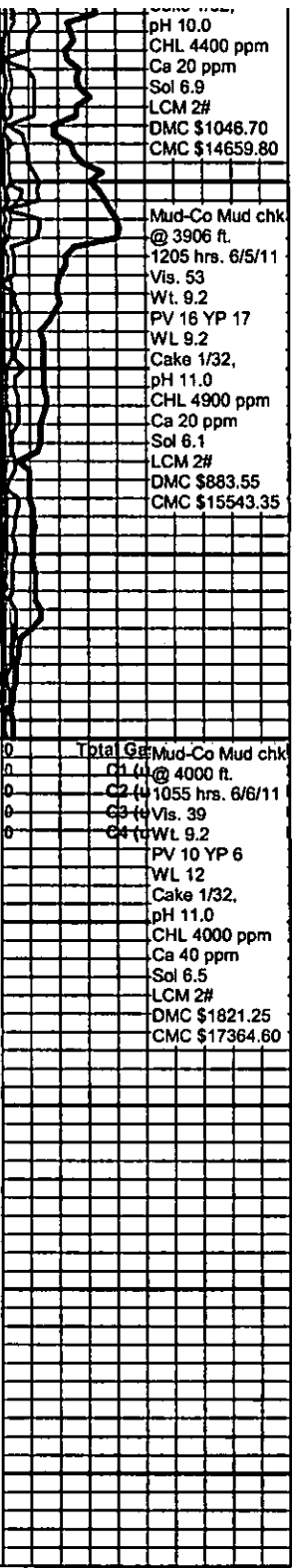
3932' (-1914) Dolomite: crm (white) crypt-micro xn sub lithographic very dense No Visible Porosity Very Chalky No Stain? Abundant white chert trace of micro fractures with questionable stain?

3935' (-1917) Very Similar to the 3932' Description becoming white-cream appearing to grade into a vfn-fn xn rhombic Dolomite with evidence of Secondary Recrystallization scattered Calcite Crystals, trace vuggy & scattered micro fractures, scattered vugs with residual very light staining?

3938' (-1920) Dolomite: Very light brown - cream mic-vfn-fn xn sucrosic to sub rhombic with scattered med-tr coarse xn rhombs altered with the porosity chalk filled with questionable light brown stain?

3941' (-1923) NO SAMPLE 3944' (-1926) NO SAMPLE

3947' (-1929) Dolomite: tan- lt brn - lt grey crypt-micro xn sub lithographic to lithographic dense no visible porosity with a abundant small pyrite xds in the matrix with small to large well developed interconnected vugs (Swiss Cheese Looking / wormy & vuggy) lined with residual lt brn to brn saturated stain & scattered calcite xds from the secondary rexdn & pyrite xds





CAPTIVA ENERGY, LLC

### Eakin #3-7

SW-SE-NW-NE  
 1238' FNL & 1780' FEL  
 Sec.7 T22s & R16w  
 Pawnee County, Kansas

API # 15-145-21645-0000

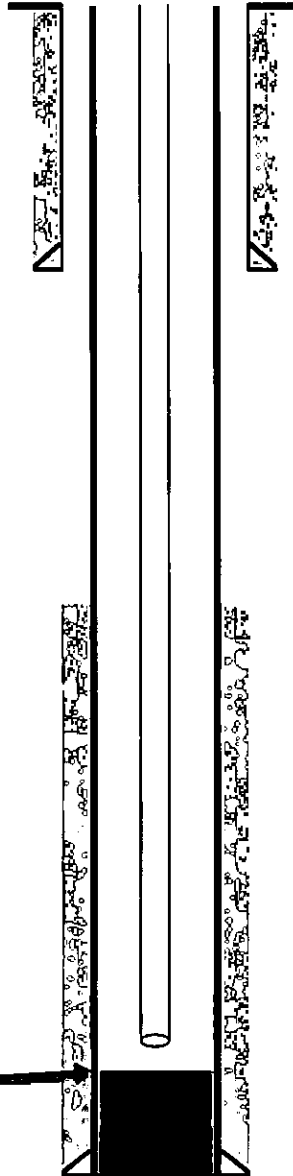
Spud Date: 5/27/2011  
 Completed: 8/6/2011

Field: Wildcat

GL: 2006'  
 KB: 2017'

**Surface Casing :**  
 8-5/8" 23# set @ 1033'  
 Cemented with 515 sx  
 60/40 PozMix

**Production Casing:**  
 5-1/2", 15.5# set @ 3993'  
 Cemented with 250 sx  
 50 sx 60/40 scavenger  
 200 sx AA2



TOC: Surface

**Tubing:**  
 119 joints of 2.3/8" tubing, MA and SN set @ 386

**Rods:**  
 155 x 3/4" rods  
 6'-4" x 3/4" rod subs  
 1 1/4 x 18" PR w/ 8' liner

**Pump:**  
 2' x 1 1/2" x 12' RWT precision pump

TOC: 2742' CBL

3882-86' (12) 8/2/11  
 3891-94' (12) 8/4/11

3905-08' (12) 7/12/11 Sqz 40 sx to 2000#  
 3907-10' (12) 7/13/11  
 3921' & 3924' (4) 6/28/11 Sqz 40 sx to 3000#

TOC: 3904'

PBTD: 3904'  
 TD: 4000'





**CAPTIVA II, LLC**

**Eakin #3-7/Casing Report**

**API# 15-145-21645-0000**

SW-SE-NW-NE

1238' FNL & 1780' FEL

Sec. 7, T22s-R16w

Pawnee County, Kansas

GL: 2006'

KB: 2017'

5/28/2011

**Surface Casing**

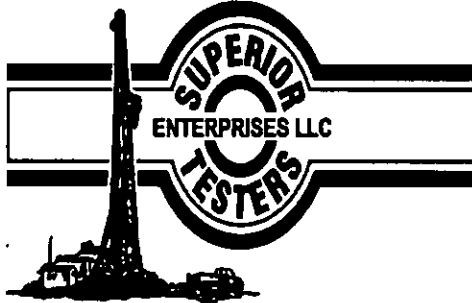
Spud at 8:00 p.m. on 5/27/11. Drill 12¼" hole to 1035'. Ran **23 joints of new 8 5/8"-23#** casing, tallied 1033' and **set at 1033° KE** with landing sub. Cemented by Allied Cementing (ticket #038812) with 415sx 60/40 Poz 2% gel, 3% CC. **cement did not circulate**. Plug down at 8:30 p.m. Welded straps on the bottom 3 joints, welded collars on the next two and welded straps on the top 5 joints. Found cement 15' down. Run 1" down the annulus and cement with 100 sx same as above. Cement did circulate. Job complete at 11:00 a.m. on 5/28/11

6/8/11

**Production Casing**

On location @ 5:00 a.m. RIH with drill pipe and condition the hole. Laying down drill pipe and collars, Begin running **93 joints 5 1/2" (15.5#) J-55 used casing** (from inventory). Shoe joint was 28.01'. Insert @ 3965.12'. Marker joint was 8 joints off bottom and measured 25.50. **Set casing @ 3993.13° KE**. Landed casing 9' off RTD 4002' and LTD, 3994'. Ran a basket and insert on top of #1 and centralizers on #3, #5, #7, #9, and #11. Landed casing @ 11:15 a.m. (6/7/11) Circulate hole for 60 minutes to lower viscosity in mud. RU Basic Services (ticket #4357), plug RH with 30 sx. and MH with 20 sx. [REDACTED]

Had good circulation throughout the job. Plug down @ 1:00 p.m. and held 1500#. Release pressure and float held. Release Sterling Rig #2 @ 2:00 p.m.



## DRILL STEM TEST REPORT

Prepared For: **SHELBY RESOURCES LLC**

2717 CANAL BLVD

ATTN: KEITH REABIS

**7-22-16W PAWNEE**

**EAKIN 3-7**

Start Date: 2011.06.04 @ 16:20:00

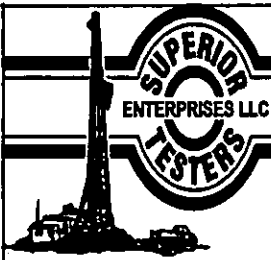
End Date: 2011.06.05 @ 01:18:00

Job Ticket #: 15813                      DST #: 1

Superior Testers Enterprises LLC  
PO Box 138 Great Bend KS 67530  
1-800-792-6902

Printed: 2011.06.05 @ 02:07:01

SHELBY RESOURCES LLC    EAKIN 3-7    7-22-16W PAWNEE    DST # 1    ARBUCKLE    2011.06.04



# DRILL STEM TEST REPORT

SHELBY RESOURCES LLC

EAKIN 3-7

2717 CANAL BLVD

7-22-16W PAWNEE

ATTN: KETH REABIS

Job Ticket: 15813

DST#: 1

Test Start: 2011.06.04 @ 16:20:00

## GENERAL INFORMATION:

Formation: **ARBUCKLE**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:13:00

Time Test Ended: 01:18:00

Test Type: Conventional Bottom Hole (Initial)

Tester: DUSTIN ELLIS

Unit No: 3320

Interval: 3877.00 ft (KB) To 3905.00 ft (KB) (TVD)

Reference Elevations: 2017.00 ft (KB)

Total Depth: 3905.00 ft (KB) (TVD)

2006.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: 6663

Inside

Press@RunDepth: 148.15 psia @ 3901.00 ft (KB)

Capacity: 5000.00 psia

Start Date: 2011.06.04

End Date: 2011.06.05

Last Calib.: 2011.06.05

Start Time: 16:20:00

End Time: 01:18:00

Time On Btm: 2011.06.04 @ 20:11:30

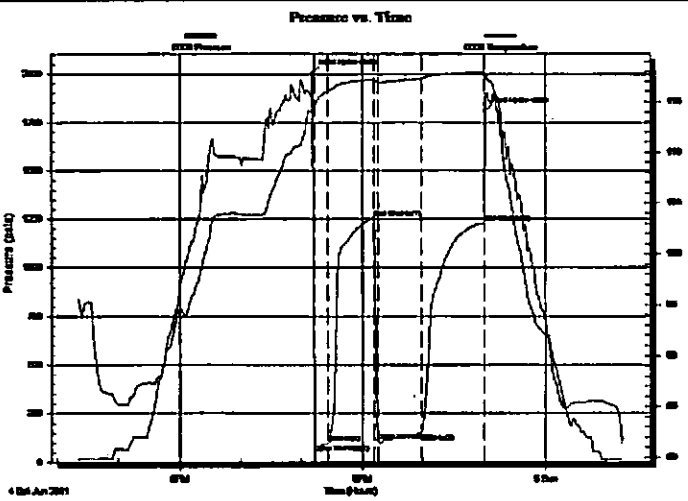
Time Off Btm: 2011.06.04 @ 23:00:30

TEST COMMENT: 15/INITIAL OPEN:STRONG BLOW BUILT BOTTOM OF BUCKET IN 15 MINUTES

45/INITIAL SHUT IN:NO BLOW BACK

45/FINAL OPEN:STRONG BLOW BUILT BOTTOM OF BUCKET IN 5 MINUTES

60/FINAL SHUT IN:NO BLOW BACK



## PRESSURE SUMMARY

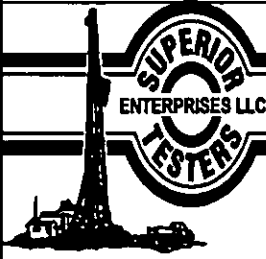
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2008.17	114.01	Initial Hydro-static
2	50.61	114.31	Open To Flow (1)
15	97.90	116.04	Shut-in(1)
61	1255.30	117.24	End Shut-in(1)
64	107.57	116.86	Open To Flow (2)
107	148.15	117.28	Shut-in(2)
168	1230.18	117.96	End Shut-in(2)
169	1809.55	117.86	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
120.00	GASY OIL CUT GAS 20% OIL 20% MUD	60.59
120.00	GASY OIL CUT MUD GAS 20% OIL 20%	11.14%
120.00	GASY OIL GAS 20% OIL 80%	1.68
0.00	720 GAS IN PIPE	0.00
0.00	GRAVITY OIL 46	0.00

## Gas Rates

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



# DRILL STEM TEST REPORT

SHELBY RESOURCES LLC  
 2717 CANAL BLVD  
 ATTN: KETH REABIS

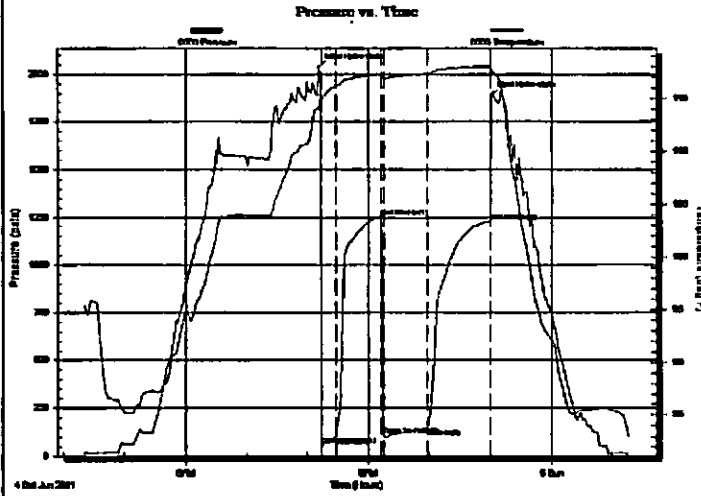
**EAKIN 3-7**  
**7-22-16W PAWNEE**  
 Job Ticket: 15813      DST#: 1  
 Test Start: 2011.06.04 @ 16:20:00

## GENERAL INFORMATION:

Formation: **ARBUCKLE**  
 Deviated: No      Whipstock:      ft (KB)  
 Time Tool Opened: 20:13:00  
 Time Test Ended: 01:18:00  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: DUSTIN ELLIS  
 Unit No: 3320  
 Interval: 3877.00 ft (KB) To 3905.00 ft (KB) (TVD)  
 Reference Elevations: 2017.00 ft (KB)  
 Total Depth: 3905.00 ft (KB) (TVD)  
 2006.00 ft (CF)  
 Hole Diameter: 7.88 inches  
 Hole Condition: Fair  
 KB to GR/CF: 11.00 ft

Serial #: 6666      Outside  
 Press@RunDepth: 1229.21 psia @ 3902.00 ft (KB)      Capacity: 5000.00 psia  
 Start Date: 2011.06.04      End Date: 2011.06.05      Last Calib.: 2011.06.05  
 Start Time: 16:20:00      End Time: 01:18:00      Time On Btm: 2011.06.04 @ 20:11:30  
 Time Off Btm: 2011.06.04 @ 23:01:00

TEST COMMENT: 15/INITIAL OPEN:STRONG BLOW BUILT BOTTOM OF BUCKET IN 15 MINUTES  
 45/INITIAL SHUT IN:NO BLOW BACK  
 45/FINAL OPEN:STRONG BLOW BUILT BOTTOM OF BUCKET IN 5 MINUTES  
 60/FINAL SHUT IN:NO BLOW BACK



## PRESSURE SUMMARY

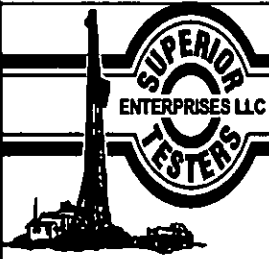
Time (Mn.)	Pressure (psia)	Temp (deg F)	Annotation
0	2035.27	113.99	Initial Hydro-static
3	57.07	114.89	Open To Flow (1)
17	100.16	116.14	Shut-in(1)
62	1254.60	117.30	End Shut-in(1)
64	107.37	116.94	Open To Flow (2)
107	146.89	117.36	Shut-in(2)
168	1229.21	118.02	End Shut-in(2)
170	1887.74	117.66	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
120.00	GASYOIL CUT GAS 20% OIL 20% MUD	60.59
120.00	GASYOIL CUT MUD GAS20% OIL20%	M1.14%
120.00	GASYOIL GAS 20% OIL80%	1.68
0.00	720 GAS IN PIPE	0.00
0.00	GRAVITY OIL 46	0.00

## Gas Rates

Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)
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# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

SHELBY RESOURCES LLC

**EAKIN 3-7**

2717 CANAL BLVD

**7-22-16W PAWNEE**

Job Ticket: 15813

**DST#: 1**

ATTN: KEITH REABIS

Test Start: 2011.06.04 @ 16:20:00

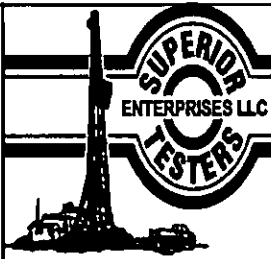
**Tool Information**

Drill Pipe:	Length: 3675.00 ft	Diameter: 3.80 inches	Volume: 51.55 bbl	Tool Weight: 1000.00 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: 180.00 ft	Diameter: 2.25 inches	Volume: 0.89 bbl	Weight to Pull Loose: 74000.00 lb
			<u>Total Volume: 52.44 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 63000.00 lb
Depth to Top Packer:	3877.00 ft			Final 63000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	28.00 ft			
Tool Length:	57.00 ft			
Number of Packers:	2	Diameter: 3.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3849.00	
Shut-In Tool	5.00			3854.00	
Hydroic Tool	5.00			3859.00	
Jars	6.00			3865.00	
Safety Joint	2.00			3867.00	
Packer	5.00			3872.00	29.00 Bottom Of Top Packer
Packer	5.00			3877.00	
Perforations	23.00			3900.00	
Recorder	1.00	6663	Inside	3901.00	
Recorder	1.00	6666	Outside	3902.00	
Bullnose	3.00			3905.00	28.00 Bottom Packers & Anchor

**Total Tool Length: 57.00**



# DRILL STEM TEST REPORT

FLUID SUMMARY

SHELBY RESOURCES LLC

EAKIN 3-7

2717 CANAL BLVD

7-22-16W PAWNEE

Job Ticket: 15813

DST#: 1

ATTN: KETH REABIS

Test Start: 2011.06.04 @ 16:20:00

## Mud and Cushion Information

Mud Type: Invert	Cushion Type:	Oil APt	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 52.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.60 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psia		
Salinity: 4000.00 ppm			
Filter Cake: 1.00 inches			

## Recovery Information

Recovery Table

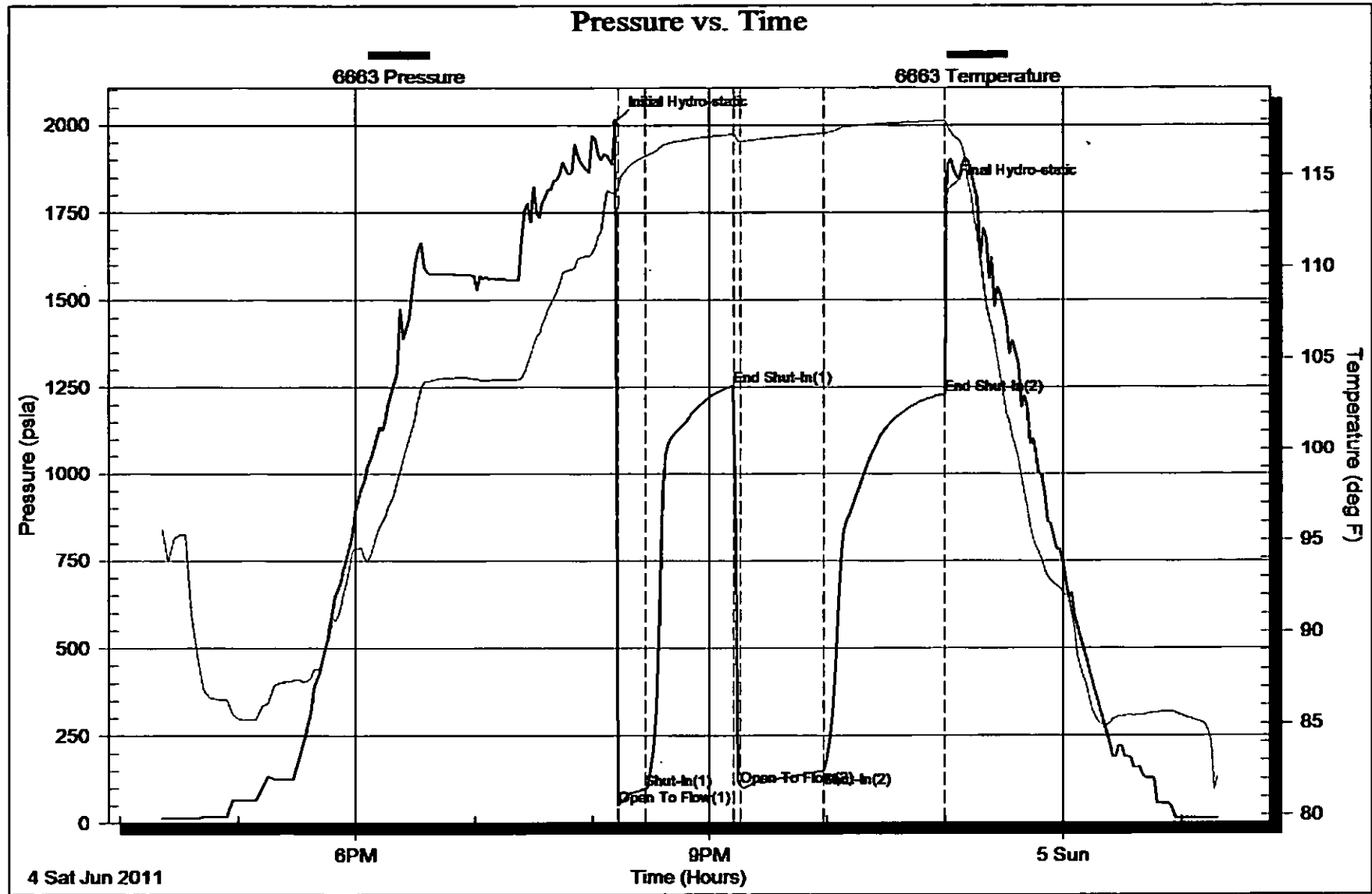
Length ft	Description	Volume bbl
120.00	GASYOIL CUT GAS 20% OIL 20% MUD 60%	0.590
120.00	GASYOIL CUT MUD GAS20% OIL20% MUD60%	1.137
120.00	GASYOIL GAS 20% OIL80%	1.683
0.00	720 GAS IN PIPE	0.000
0.00	GRAVITY OIL 46	0.000

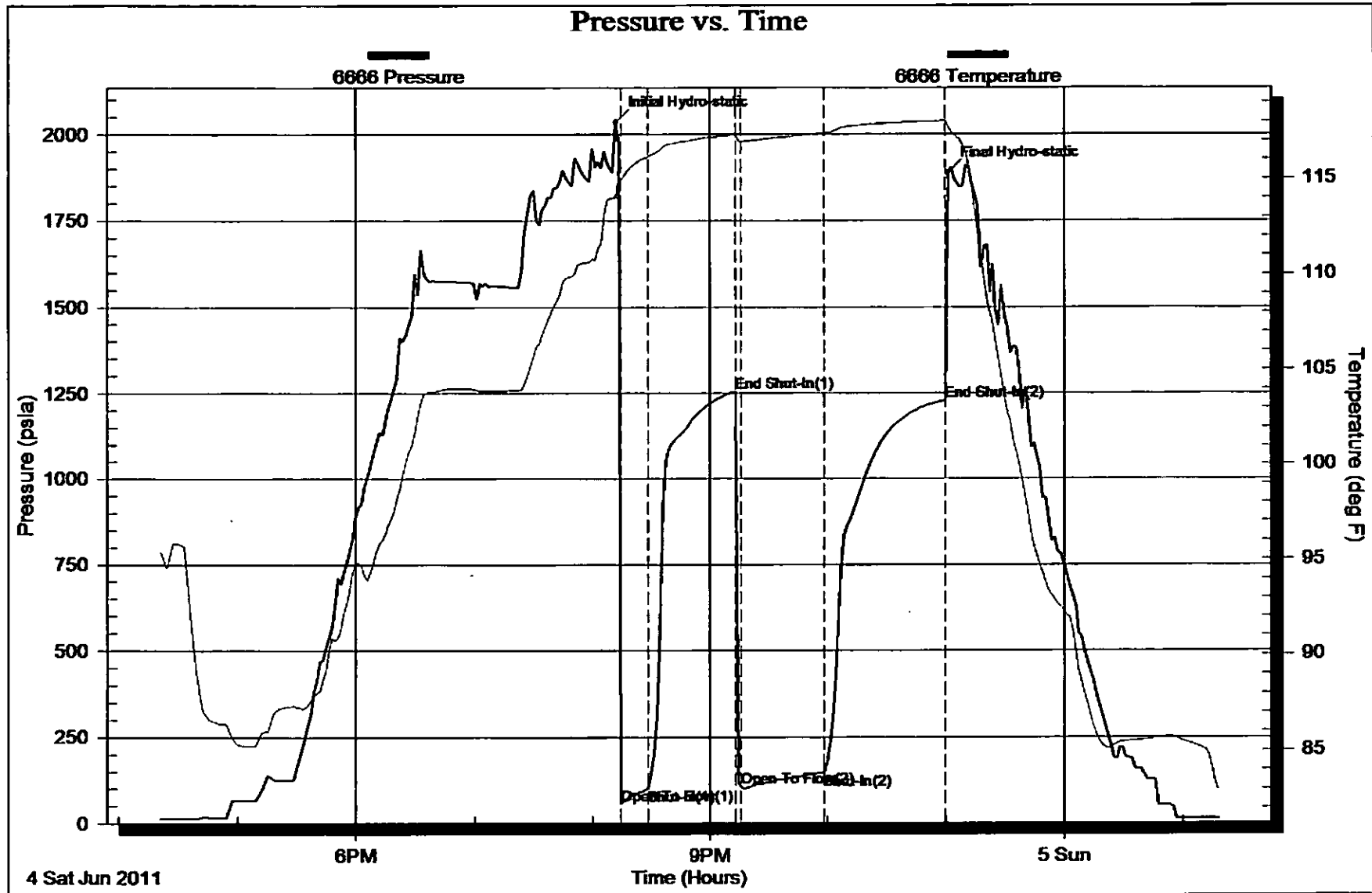
Total Length: 360.00 ft      Total Volume: 3.410 bbl

Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:

Laboratory Name:      Laboratory Location:

Recovery Comments: GRAVITY OIL 46







Conservation Division  
Finney State Office Building  
130 S. Market, Rm. 2078  
Wichita, KS 67202-3802



Phone: 316-337-6200  
Fax: 316-337-6211  
<http://kcc.ks.gov/>

Mark Sievers, Chairman  
Ward Loyd, Commissioner  
Thomas E. Wright, Commissioner

Sam Brownback, Governor

November 21, 2011

Chris Gottschalk  
Shelby Resources LLC  
445 Union Boulevard  
Suite 208  
LAKEWOOD, CO 80228

Re: ACO1  
API 15-145-21640-00-00  
Eakin 3-7  
NE/4 Sec.07-22S-16W  
Pawnee County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,  
Chris Gottschalk

Customer: **Shelby Resources, LLC** Lease No. \_\_\_\_\_ Date: **6-7-11**  
 Lease: **Eatin** Well # **3-7**  
 Field Order # **4357** Station **Pratt, Kansas** Casing **5 1/2 15.5 lb** Depth **3993 Feet** County **Pawnee** State **Kansas**  
 Type Job **C.N.W. - Longstring** Formation \_\_\_\_\_ Legal Description **C-228-16W**

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size <b>5 1/2 15.5 lb</b>	Tubing Size <b>4 1/2 lb/ft</b>	Shots/Ft <b>100 sacks</b>	AA	5 gal/4 Poz	50s	acts for Lead cement	30 sts R.H.	20 sts M.H.
Depth <b>3993 Feet</b>	Depth	From <b>200</b>	From <b>108</b>	From <b>15.3</b>	To <b>106.1</b>	Max <b>258</b>	Deframer	5 Min.
Volume <b>45 Bbl</b>	Volume	From <b>108</b>	To <b>25</b>	From <b>15.3</b>	To <b>106.1</b>	Min <b>5</b>	Gal/stk	10 Min.
Max Press	Max Press	From <b>15.3</b>	To <b>106.1</b>	From <b>15.3</b>	To <b>106.1</b>	Avg <b>3.36</b>	CV	15 Min.
Well Connection <b>Plug container</b>	Annulus Vol.	From	To	From	To	RHP Used		Annulus Pressure
Plug Depth <b>3987 Feet</b>	Packer Depth	From	To	Flush <b>94.4 Bbl</b>		Gas Volume		Total Load

Customer Representative: **Chris Gottschalk** Station Manager: **David Scott** Treater: **Clarence R. Messick**

Service Units	<b>37,216</b>	<b>19,889</b>	<b>19,842</b>	<b>19,826</b>	<b>19,860</b>
Driver Names	<b>Messick</b>	<b>Mattal</b>	<b>Brungardt</b>		

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
6:30					Center and Float Equipment on location.
10:00					Trucks on location and hold safety meeting.
9:00					Sterling Drilling start to run Auto Fill Guide Shoe, Shoe Joint with Latch Down
					Baffles screwed into collar and at top of 98 Joints Used - Tested 15.5 Lb/Ft 5 1/2" csg.
					A Basket was installed above shoe joint. A Turbolizer was installed on collar #35, T9 and #11.
11:30					Casing in well. Circulate for 1 Hour.
12:33	2500				shut in well. Pressure Test. Open Well.
12:37	300			5	start mixing 50 sacks scalemer cement.
			11	5	start mixing 200 sacks AA-2 cement.
	-0-		59		stop pumping. Shut in well. Wash pump and lines.
2:44	100			6.5	Release Latch Down Plug. Open Well.
				5	Start Fresh water Displacement.
1:03	800		94.4		start to lift cement.
	1,600				Plug down.
					Pressure up.
			7-5	3	Release pressure. Float Shoe held.
					Plug Rat and Mouse holes.
					Wash up pump truck.
4:45					Job Complete.
					Thank You
					Clarence, Mitre, Teired

# ALLIED CEMENTING CO., LLC. 039752

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

SERVICE POINT:

Gt Bend

DATE <u>7-14-11</u>	SEC <u>7</u>	TWP. <u>22</u>	RANGE <u>16</u>	CALLED OUT	ON LOCATION	JOB START <u>3:00pm</u>	JOB FINISH <u>4:00pm</u>
LEASE <u>Egkin</u>	WELL# <u>3-17</u>	LOCATION <u>Laned 1W 1/2 S</u>				COUNTY <u>Pawnee</u>	STATE <u>KS</u>
OLD OR <input checked="" type="radio"/> NEW (Circle one)							

CONTRACTOR Oil & more  
 TYPE OF JOB Squeeze ANb.  
 HOLE SIZE 7 1/2 T.D.  
 CASING SIZE 5 1/2 DEPTH  
 TUBING SIZE 2 3/8 DEPTH  
 DRILL PIPE DEPTH  
 TOOL DEPTH  
 PRES. MAX MINIMUM  
 MEAS. LINE SHOE JOINT  
 CEMENT LEFT IN CSG.  
 PERFS.  
 DISPLACEMENT

OWNER  
 CEMENT  
 AMOUNT ORDERED  
25th Com of F1 10  
10th Com  
 COMMON 35 @ 16.25 568.75  
 POZMIX @  
 GEL @  
 CHLORIDE @  
 ASC @  
F110 - 7 1/2 @ 16.60 116.20  
 @  
 @  
 @  
 @  
 @  
 @  
 @  
 @  
 @  
 @  
 HANDLING 35 @ Min 344.00  
 MILEAGE 35 x .11 x 20 77.00  
 TOTAL 1105.95

EQUIPMENT

PUMP TRUCK CEMENTER Bill Bobbie  
 # 366 HELPER Tony  
 BULK TRUCK  
 # 341 DRIVER Kevin  
 BULK TRUCK  
 # DRIVER

REMARKS:

peaks e. 3905-10  
PACKER C 3780  
Eng Rate 1800 1800 #  
Center 25th Com of F1 10!  
Follow up 10th Com  
Squeeze to 200" poll taking  
press to 500" shut in

CHARGE TO: Capitula 11 LLC  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

SERVICE

DEPTH OF JOB  
 PUMP TRUCK CHARGE 1050.00  
 EXTRA FOOTAGE @  
 MILEAGE 40 @ 7.00 280.00  
 MANIFOLD @  
LVM 40 @ 4.00 160.00  
 @  
 TOTAL 1490.00

PLUG & FLOAT EQUIPMENT

\_\_\_\_\_ @ \_\_\_\_\_

# ALLIED CEMENTING CO., LLC. 038812

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

SERVICE POINT:  
Great Bend, KS

DATE <u>5-29-11</u>	SEC. <u>7</u>	TWP. <u>22S</u>	RANGE <u>16W</u>	CALLED OUT	ON LOCATION	JOB START <u>9:30 AM</u> <u>10:30 AM</u>	JOB FINISH <u>8:30 AM</u> <u>11:00 AM</u>
LEASE <u>Equinox</u>		WELL # <u>3-7</u>		LOCATION <u>hanned US west on 56 1/4</u>		COUNTY <u>Pawnee</u>	STATE <u>KS</u>
OLD OR <u>NEW</u> (Circle one)				South 1 mile west in TD			

CONTRACTOR Stealing Rig 2 OWNER Shelby Resources

TYPE OF JOB <u>Surface</u>
HOLE SIZE <u>12 1/4</u> T.D. <u>1033</u>
CASING SIZE <u>8 3/4</u> DEPTH <u>1035</u>
TUBING SIZE DEPTH
DRILL PIPE DEPTH
TOOL DEPTH
PRES. MAX <u>800</u> MINIMUM
MEAS. LINE SHOE JOINT <u>4464</u>
CEMENT LEFT IN CSG. <u>4464</u>
PERFS.
DISPLACEMENT <u>63 BBLs</u>

CEMENT  
AMOUNT ORDERED 4155x 60/40 + 3% cc  
+ 2% Gel + 1/2 flo seal  
used 5155x

COMMON <u>309</u>	@ <u>16.25</u>	<u>5021.25</u>
POZMIX <u>206</u>	@ <u>8.50</u>	<u>1751.00</u>
GEL <u>9</u>	@ <u>21.25</u>	<u>191.25</u>
CHLORIDE <u>17</u>	@ <u>58.20</u>	<u>989.40</u>
ASC	@	
<u>fla seal</u>	@ <u>128</u>	<u>2.70</u>
	@	
	@	
	@	
	@	
	@	
	@	
	@	
HANDLING <u>545</u>	@ <u>2.25</u>	<u>1226.25</u>
MILEAGE <u>345 x 214.11</u>		<u>1258.85</u>

EQUIPMENT

PUMP TRUCK	CEMENTER <u>Wayne</u>
# <u>366</u>	HELPER <u>Gues</u>
BULK TRUCK	
# <u>344-170</u>	DRIVER <u>Tint</u>
BULK TRUCK	
#	DRIVER

REMARKS:  
Pipe on Bottom Break Circulation  
with Rd mud Shut Down  
Drop Ball/Circulate Ball Throw  
Mix 4155x 60/40 + 3% cc + 2% Gel  
+ 1/2 flo seal. Shut Down  
Release Plug. Displace 63 BBLs  
fresh water. Land Plug at 800 ps.  
Release and hold Cement didn't  
Circulate. Rig Down. Time  
10:30 To Circulate

SERVICE

DEPTH OF JOB <u>1035</u>		
PUMP TRUCK CHARGE		<u>1125.00</u>
EXTRA FOOTAGE <u>300-1035</u>	@ <u>.95</u>	<u>285.75</u>
MILEAGE <u>42</u>	@ <u>7.00</u>	<u>294.00</u>
MANIFOLD	@	
<u>Light Truck 42</u>	@ <u>4.00</u>	<u>168.00</u>
	@	

CHARGE TO: Shelby Resources

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

TOTAL 2285.35

PLUG & FLOAT EQUIPMENT

<u>GS</u>	@ <u>394.00</u>	<u>394.00</u>
<u>insert</u>	@ <u>311.00</u>	<u>311.00</u>
<u>Rubber Plug</u>	@ <u>112.00</u>	<u>112.00</u>
	@	

To Allied Cementing Co., LLC.  
You are hereby requested to rent cementing equipment

Conservation Division  
Finney State Office Building  
130 S. Market, Rm. 2078  
Wichita, KS 67202-3802



Phone: 316-337-6200  
Fax: 316-337-6211  
<http://kcc.ks.gov/>

Mark Sievers, Chairman  
Ward Loyd, Commissioner  
Thomas E. Wright, Commissioner

Sam Brownback, Governor

January 26, 2012

Chris Gottschalk  
Shelby Resources LLC  
445 Union Boulevard  
Suite 208  
LAKEWOOD, CO 80228

Re: ACO-1  
API 15-145-21640-00-00  
Eakin 3-7  
NE/4 Sec.07-22S-16W  
Pawnee County, Kansas

Dear Chris Gottschalk:

K.A.R. 82-3-107 provides for all completion information to be filed within 120 days of the spud date. Subsection(e)(2) of that regulation states "All rights to confidentiality shall be lost if the filings are not timely."

The above referenced well was spudded on 05/27/2011 and the ACO-1 was received on January 26, 2012 (not within the 120 days timely requirement).

Therefore, your request for confidential treatment of data contained within the ACO-1 filing cannot be granted at this time.

If you should have any questions, please do not hesitate to contact me at (316)337-6200.

Sincerely,

Production Department