

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1355426
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

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
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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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

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
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____

1355426

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 <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 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
<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)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <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> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Hartman Oil Co., Inc.
Well Name	KUSKA 1
Doc ID	1355426

All Electric Logs Run

Dual Induction Log
Dual Compensated Porosity
Sonic Cement Bond
Microresistivity

Form	ACO1 - Well Completion
Operator	Hartman Oil Co., Inc.
Well Name	KUSKA 1
Doc ID	1355426

Tops

Name	Top	Datum
anhy	2650	492
Heebner	4048	-903
Lansing	4088	-946
Stark Shale	4306	-1164
Marmaton	4389	-1247
Ft Scott	4562	-1420
Cherokee Shale	4588	-1446
Mississippi	4672	-1530



KANSAS
CORPORATION COMMISSION

*Kathleen Sebelius, Governor
Thomas E. Wright, Chairman
Michael C. Moffet, Commissioner
Joseph F. Harkins, Commissioner*

April 2, 2008

Hartman Oil Company, Inc.
12950 East 13th Street North
Wichita, KS. 67230

**RE: Exception to Alternate II Cementing Requirements
Kuska #1
SESESE section 14-10-33W
Thomas County, Kansas
API #15-193-20733-00-00**

Dear Operator,

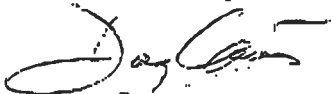
The Kansas Corporation Commission (KCC) has received a verbal request from Hartman Oil Company, Inc. through District 4 Supervisor dated March 27, 2008, for an exception to Alternate II cementing requirements for the above referenced well. From this request, the KCC understands that subject well was not cemented to surface or into the surface casing as required by the Alternate II option. Referenced well has 355 feet of surface casing set with 260 sacks of cement. An annular squeeze with 125 sacks of common cement sealed off the base of the surface casing to prevent any fluid migration up the backside into shallow aquifers.

After review of this matter by technical staff it was determined that:

1. Surface casing was set deeper than fresh water source in the area with cement coverage to protect the shallow aquifers.
2. All fresh and usable water sources are adequately protected with cement coverage and any remaining intervals not covered by cement contain no fresh or usable water zones.
3. The Dakota appears to be adequately isolated with cement and any remaining intervals not cemented contain no fresh or usable water nor present any threat of contamination from the shales in the intervals.

Based on this information that the fresh and usable water zones are adequately protected with cement coverage and that any remaining intervals not cemented behind the production casing contain no threat of contamination from the shales in the intervals. Therefore, an exception is granted for the Alternate II cementing requirement.

Sincerely,



Doug Louis
Director

cc: Case Morris – District 4
Steve Bond – Production Supervisor

CONSERVATION DIVISION

Finney State Office Building, 130 S. Market, Room 2078, Wichita, KS 67202-3802
(316) 337-6200 • Fax: (316) 337-6211 • <http://kcc.ks.gov/>

MEMO

TO: Steve Bond

FROM: Herb Deines, District Supervisor

DATE: March 27, 2008

RE: **Alternate II exception request**

Hartman Oil Co., Inc.
 12950 E 13th St. N
 Wichita, KS 67230

Kuska # 1
 N2SESESE Se.14-10s-22w
 Thomas County, Kansas
 API# 15-193-20733-00-00

Chronology of Events:

- 02-19-08 Kuska # 1 spudded by Hartman Oil Co., Inc.
- 02-25-08 Ran production casing with DV tool at 2619'. Pumped 500 sacks of cement with lost circulation occurring during cementing through DV tool.
- 02-28-08 Perforated casing at 1400' with 2 holes. Allied pumped 400 sacks of Lite w/1/4# flo-seal and 50 sacks of common cement to cement off perforations.
- 03-07-08 Tagged cement at 1350' and drilled out to 1472'. Drilled out plug and DV.
- 03-10-08 Log Tech ran CBL-CMT to 1140'.
- 03-13-08 Set retrievable plug at 1530' and perforated casing at 1130'. Mixed and pumped 400 sacks Lite plug 50 sacks of common cement to cement off perforations. No blow or returns during cementing.
- 03-14-08 Ran temperature log and found top of cement at 1020'. Tied onto annulus and pumped 125 sacks of common cement.
- 03-20-08 Set RBP at 1503' and tested to 1000#. Moved packer to 1375' to test squeezed perforations at 1400'. Tested to 1000#. Moved packer to 1025'

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MAR 28 2008

CONSERVATION DIVIS
 WICHITA, KS

1350
 125
 1475
 1975
 25

and tested perforations at 1130'. Could pump into at rate of $\frac{1}{4}$ BPM @ 1000#. Mixed and pumped 100 sacks of Class A w/2%CC and squeezed to 500#.

03-24-08 Tagged cement at 1073'. Drilled out to 1146' and tested perforations at 1130'. OK. Log Tech ran CBL from 1531' to surface and requested exception to Alternate II cementing..

Darrell Dipman of the KCC district staff witnessed most of the cementing operations after circulation was lost during the DV cementing procedure with the rotary rig over the hole. The enclosed bond log was marked with the perforated intervals and the amounts of cement used at each point. Of significance is the contradictory evidence shown on the log versus observations during each cementing operation. Allied Lite was being used which in the past has exhibited very poor log signatures and the final bond log seems to indicate such with the poor film and amplitude readings indicating nothing behind the pipe although witnessed activities indicate otherwise. Based on observations, I can only conclude that annular coverage with cement was much better than what is indicated on the log. Even where Common cement was used to squeeze the perforations, the bond log shows very little log response, which seemed to be very unusual. The Dakota appears to be adequately isolated with cement and the annular squeeze from the surface with 125 sacks of Common cement sealed off the base of the surface pipe to prevent any problems with fluid migration up the backside into shallow water aquifers. The company verbally requested consideration for an exception to the alternate II cement and sent information to this office. In turn I marked the bond log and created a timeline of what actions took place and the results.

It is my conclusion that all fresh and usable water zones are adequately protected with cement coverage and that any remaining areas not cemented behind the casing contain no fresh and usable water nor present any threat of contamination from the shales in the interval. I feel that cement coverage is better than what is indicated on the bond log based on the poor log indicators for common cement and therefore, recommend granting the alternate II exception for this well. In the event that the well is considered for a UIC conversion at a later date, consideration might be given to granting any approval subject to a more frequent MIT cycle.

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WICHITA, KS

ALLIED CEMENTING CO., INC.

32060

Federal Tax I.D.# 48-0727860

P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:

OAKLEY

<u>-19-08</u>	SEC <u>14</u>	TWP. <u>10S</u>	RANGE <u>33W</u>	CALLED OUT	ON LOCATION <u>10:15 PM</u>	JOB START <u>3:15 AM</u>	JOB FINISH <u>3:45 AM</u>
<u>KUSKA</u>	WELL # <u>1</u>	LOCATION <u>OAKLEY 3N-4W-1N-1W-1E</u>		COUNTY <u>THOMAS</u>	STATE <u>KS</u>		
OLD OR <u>NEW</u> (Circle one)				W FUTO			

CONTRACTOR H 2 SMALL RIG # 2

TYPE OF JOB SURFACE

HOLE SIZE 12 1/4" T.D. 355'

CASING SIZE 8 7/8" DEPTH 355'

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 15'

PERFS.

DISPLACEMENT 2 1/2 BBLs

OWNER SAME

CEMENT AMOUNT ORDERED 260 SKS com 3% CL 28661

EQUIPMENT

PUMP TRUCK # 422 CEMENTER TERRY HELPER WAYNE

BULK TRUCK # 394 DRIVER ALLEN

BULK TRUCK # DRIVER

COMMON	<u>260 SKS</u>	@	<u>14²⁰/₁₀₀</u>	<u>3692⁰⁰/₁₀₀</u>
POZMIX		@		
GEL	<u>5 SKS</u>	@	<u>18⁷⁵/₁₀₀</u>	<u>93⁷⁵/₁₀₀</u>
CHLORIDE	<u>9 SKS</u>	@	<u>52²⁵/₁₀₀</u>	<u>472⁰⁰/₁₀₀</u>
ASC		@		
HANDLING	<u>274 SKS</u>	@	<u>2¹⁵/₁₀₀</u>	<u>589¹⁰/₁₀₀</u>
MILEAGE	<u>94 PER SKI MILE</u>			<u>282⁰⁰/₁₀₀</u>
MINIMUM CHARGE				
TOTAL				<u>5128⁹⁰/₁₀₀</u>

REMARKS:

CEMENT DID CIRCULATE

THANK YOU

CHARGE TO: HARTMAN BEL, CO

STREET

CITY STATE ZIP

SERVICE

DEPTH OF JOB	<u>355'</u>		
PUMP TRUCK CHARGE			<u>917</u>
EXTRA FOOTAGE		@	
MILEAGE	<u>10 ME</u>	@	<u>7⁰⁰/₁₀₀</u> <u>70⁰⁰/₁₀₀</u>
MANIFOLD		@	
<u>HEAD RENTAL</u>		@	<u>113⁰⁰/₁₀₀</u>
TOTAL <u>1100⁰⁰/₁₀₀</u>			

PLUG & FLOAT EQUIPMENT

<u>8 5/8 SURFACE Plug</u>			<u>68⁰⁰/₁₀₀</u>
	@		
	@		
	@		
	@		
TOTAL <u>68⁰⁰/₁₀₀</u>			

To Allied Cementing Co., Inc.
You are hereby requested to rent cementing equipment and furnish cementer and helper 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 & understand the "TERMS AND CONDITIONS" listed on the reverse side.

TAX

TOTAL CHARGE

DISCOUNT IF PAID IN 30 DAYS

SIGNATURE Wesley Pfaff

Wesley Pfaff
PRINTED NAME

ALLIED CEMENTING CO., INC.

32134

Federal Tax I.D.# 48-0727860

P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:

Oakley, KS

25-08	SEC. 14	TWP. 10s	RANGE 33w	CALLED OUT	ON LOCATION 2:30pm	JOB START 9:30am	JOB FINISH 10:30pm
WELL # #1	LOCATION <u>Oakley 30-Sw-1N</u>			COUNTY Thomas	STATE KS		
OLD OR NEW (Circle one)				W:W			

CONTRACTOR H₂ #1 OWNER Same

TYPE OF JOB D-Stage Top Stage

HOLE SIZE 7-1/8" T.D. 4720'

CASING SIZE 5 1/2 15.5 DEPTH 2619'

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. _____

PERFS. _____

DISPLACEMENT 62.3 BBLs

EQUIPMENT

PUMP TRUCK CEMENTER Fuzzy

431 HELPER Kelly

BULK TRUCK

377 DRIVER LA Bone

BULK TRUCK

394 DRIVER Wilbur

REMARKS:

Mix 10 SKS MH mix 15 SKS RH

Mix 425 SKS Lite 114# Clo-seal

Tail with 50 SKS com.

wash out pump & lines

displace plug to DU Tool

may hit 500# close tool @

1800# no circulation throughout

Job no cement circulated

plug down @ 10:15 PM

THANKS Fuzzy & crew

CHARGE TO: Hartman Oil Co.

STREET _____

CITY _____ STATE _____ ZIP _____

CEMENT

AMOUNT ORDERED 450 kilo 114#

Clo-seal 50 SKS com

COMMON 50 @ 14.20 710.00

POZMIX _____ @ _____

GEL _____ @ _____

CHLORIDE _____ @ _____

ASC _____ @ _____

Lite 450 @ 12.65 5692.50

Clo-seal 112# @ 2.25 252.00

HANDLING 536 @ 2.15 1152.40

MILEAGE 10.95 km @ 40 434.10

TOTAL 8241.06

SERVICE

DEPTH OF JOB 2619

PUMP TRUCK CHARGE 1075.00

EXTRA FOOTAGE _____ @ _____

MILEAGE _____ @ NA

MANIFOLD _____ @ NA

TOTAL 1075.00

PLUG & FLOAT EQUIPMENT

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

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

ALLIED CEMENTING CO., INC.

32138

Federal Tax I.D.# 48-0727860

TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:

Oakley KS

DATE <u>1-28-08</u>	SEC. <u>14</u>	TWP. <u>10S</u>	RANGE <u>33W</u>	CALLED OUT	ON LOCATION <u>9:30AM</u>	JOB START <u>11:30AM</u>	JOB FINISH <u>12:30PM</u>
LEASE <u>KUSKA</u>	WELL # <u>#1</u>	LOCATION <u>Oakley 3N-SW-1W</u>			COUNTY <u>Thomas</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (Circle one)			<u>1 1/2" ID x 12" in</u>				

CONTRACTOR NA

TYPE OF JOB Circ cement to top

HOLE SIZE _____ T.D. _____

CASING SIZE 5 1/2 DEPTH _____

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. _____

PERFS. 1400' Plug @ 1350'

DISPLACEMENT 32.13 BBLs

OWNER _____

CEMENT

AMOUNT ORDERED 400 k.ite 1 1/4"

Flt-seal

50 com

COMMON _____	@ _____	_____
POZMIX _____	@ _____	_____
GEL _____	@ _____	_____
CHLORIDE _____	@ _____	_____
ASC _____	@ _____	_____
<u>k.ite 400</u>	@ <u>12.65</u>	<u>5060.00</u>
<u>Flt-seal 100#</u>	@ <u>2.25</u>	<u>225.00</u>
_____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____
HANDLING <u>434</u>	@ <u>2.15</u>	<u>933.90</u>
MILEAGE <u>109.4544 mile</u>		<u>351.54</u>
TOTAL		<u>6569.44</u>

EQUIPMENT

PUMP TRUCK CEMENTER Fuzzy

431 HELPER idelly

BULK TRUCK

394 DRIVER Ray

BULK TRUCK

377 DRIVER Jerry

REMARKS:

Attempt to establish circulation
no flow mix 400 lbs k.ite 1 1/4"
Flt-seal followed by 50 lbs com
Displace 32 BBL. Wash out pump
& lines leave 400# press. & shut in
Sub complete @ 12:30pm

Thanks Fuzzy crew

SERVICE

DEPTH OF JOB _____

PUMP TRUCK CHARGE 1075.00

EXTRA FOOTAGE _____ @ _____

MILEAGE 9 @ 7.00 63.00

MANIFOLD thead @ 113.00

_____ @ _____

_____ @ _____

TOTAL 1251.00

CHARGE TO: Hartman Oil Co

STREET _____

CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

1 - 5 1/2 rubber plug @ 74.00

_____ @ _____

_____ @ _____

_____ @ _____

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

ALLIED CEMENTING CO., INC.

32164

Federal Tax I.D.# 48-0727860

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

SERVICE POINT:
Oakley

DATE <u>3-13-08</u>	SEC. <u>14</u>	TWP. <u>10S</u>	RANGE <u>33W</u>	CALLED OUT	ON LOCATION <u>9:45 AM</u>	JOB START <u>12:30 PM</u>	JOB FINISH <u>1:30 PM</u>
LEASE <u>Kuska</u>	WELL # <u>1</u>	LOCATION <u>Oakley 3N 4W 1N 3W NW 1/4</u>			COUNTY <u>Thomas</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one) <u>NEW</u>							

CONTRACTOR Plains well service OWNER same
 TYPE OF JOB Circulate cement to surface
 HOLE SIZE _____ T.D. _____
 CASING SIZE 5 1/2 DEPTH _____
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE _____ DEPTH _____
 TOOL _____ DEPTH _____
 PRES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOE JOINT _____
 CEMENT LEFT IN CSG. 50'
 PERFS. _____ 1130'
 DISPLACEMENT 25.20 BBL

EQUIPMENT

PUMP TRUCK CEMENTER Andrew
 # 423-281 HELPER Alan
 BULK TRUCK DRIVER Jerry
 # 394
 BULK TRUCK DRIVER ALVIN
 # 218

CEMENT

AMOUNT ORDERED 400 sks Lite 1/4 Flo-seal
50 sks com 2 sand on side

COMMON	<u>50 sks</u>	@	<u>14.20</u>	<u>710.00</u>
POZMIX		@		
GEL		@		
CHLORIDE		@		
ASC		@		
	<u>Lite 400 sks</u>	@	<u>12.65</u>	<u>5060.00</u>
	<u>Flo-seal 100#</u>	@	<u>2.25</u>	<u>225.00</u>
	<u>sand 2 sks</u>	@	<u>11.80</u>	<u>23.60</u>
		@		
		@		
HANDLING	<u>483 sks</u>	@	<u>2.15</u>	<u>1038.45</u>
MILEAGE	<u>99 sk/mile</u>			<u>391.23</u>
				TOTAL <u>7448.28</u>

REMARKS:

~~in~~ injection rate 300L
min 500# no blow. mix 200#
shut down 20 min mix rest of
Lite cement followed by 50
sks com displace plug down
shut IN no blow cement did
not circulate 700# mix pressure
Thank you

CHARGE TO: Hartman oil
 STREET _____
 CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB 1130'
 PUMP TRUCK CHARGE _____ 1025.00
 EXTRA FOOTAGE _____ @ _____
 MILEAGE 9 miles @ 7.00 63.00
 MANIFOLD Head rental @ 113.00
 _____ @ _____
 _____ @ _____
 TOTAL 1251.00

PLUG & FLOAT EQUIPMENT

5 1/2
Rubber plug @ 74.00
 _____ @ _____
 _____ @ _____
 _____ @ _____
 TOTAL 74.00

To Allied Cementing Co., Inc.
 You are hereby requested to rent cementing equipment and furnish cementer and helper 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 & understand the "TERMS AND CONDITIONS" listed on the reverse side.

TAX _____
 TOTAL CHARGE _____
 DISCOUNT _____ IF PAID IN 30 DAYS

SIGNATURE S.T. Mchew

PRINTED NAME _____

ALLIED CEMENTING CO., INC.

32167

Federal Tax I.D.# 48-0727860

TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:

Oakley

DATE <u>3-14-08</u>	SEC. <u>14</u>	TWP. <u>10s</u>	RANGE <u>33W</u>	CALLED OUT	ON LOCATION <u>11:30 Am</u>	JOB START <u>11:30 Am</u>	JOB FINISH <u>12:00 P.m</u>
LEASE <u>Kuska</u>	WELL # <u>1</u>	LOCATION <u>Oakley 3N 4W 1N 1/2W into</u>		COUNTY <u>Thomas</u>	STATE <u>KS</u>		

OLD OR NEW (Circle one)

CONTRACTOR Plains well service OWNER same

TYPE OF JOB pump cement down back side

HOLE SIZE _____ T.D. _____
 CASING SIZE 5 1/2 DEPTH _____
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE _____ DEPTH _____
 TOOL _____ DEPTH _____
 PRES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOE JOINT _____
 CEMENT LEFT IN CSG. _____
 PERFS. _____
 DISPLACEMENT _____

CEMENT AMOUNT ORDERED 125 sks com

COMMON 125 sks @ 14.20 1775.00
 POZMIX _____ @ _____
 GEL _____ @ _____
 CHLORIDE _____ @ _____
 ASC _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 HANDLING 125 sks @ 2.15 268.75
 MILEAGE minimum charge 282.00
 TOTAL 2325.75

EQUIPMENT

PUMP TRUCK CEMENTER Andrew
 # 423-281 HELPER Alan
 BULK TRUCK
 # 347 DRIVER Rex
 BULK TRUCK
 # _____ DRIVER _____

REMARKS:

Take Injection rate down back side 2 BBL min 350# mix 125 sks com down back side 1 BBL water behind cement shut IN with 200#

Thank you

SERVICE

DEPTH OF JOB _____
 PUMP TRUCK CHARGE _____ 917.00
 EXTRA FOOTAGE _____ @ _____
 MILEAGE 9 miles @ 7.00 63.00
 MANIFOLD _____ @ _____
 _____ @ _____
 _____ @ _____

CHARGE TO: Hartman oil
 STREET _____
 CITY _____ STATE _____ ZIP _____

TOTAL 980.00

PLUG & FLOAT EQUIPMENT

_____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____

TOTAL _____

To Allied Cementing Co., Inc.
 You are hereby requested to rent cementing equipment and furnish cementer and helper 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 & understand the "TERMS AND CONDITIONS" listed on the reverse side.

TAX _____
 TOTAL CHARGE _____
 DISCOUNT _____ IF PAID IN 30 DAYS

SIGNATURE A. T. M.

PRINTED NAME _____

ALLIED CEMENTING CO., INC.

32175

Federal Tax I.D.# 48-0727860

PO BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:

Pump truck 3:30 am Oakley

DATE <u>8-20-08</u>	SEC. <u>27</u>	TWP. <u>8</u>	RANGE <u>32</u>	CALLED OUT	ON LOCATION <u>12:30pm</u>	JOB START <u>3:00pm</u>	JOB FINISH <u>3:30pm</u>
WELL # <u>1</u>	LOCATION <u>Oakley 3N 4W</u>			COUNTY <u>Thomas</u>	STATE <u>KS</u>		
OLD OR (NEW) (Circle one) <u>NEW</u>				LOCATION <u>1 N 3/4 W NINTO</u>			

CONTRACTOR Plains well service OWNER Same

TYPE OF JOB Squeeze

PIPE SIZE _____ T.D. _____

PIPE SIZING SIZE 5 1/2 DEPTH _____

PIPE SIZING SIZE 2 7/8 DEPTH 1025'

PIPE SIZING SIZE _____ DEPTH _____

PIPE SIZING SIZE _____ DEPTH _____

RES. MAX _____ MINIMUM _____

EAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. _____

DEPTH 1130'

DISPLACEMENT _____

CEMENT

AMOUNT ORDERED 100 sks com

2% w

COMMON 100 sks @ 14.20 1420.00

POZMIX _____ @ _____

GEL _____ @ _____

CHLORIDE 2 sks @ 52.45 104.90

ASC _____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

HANDLING 102 sks @ 2.15 219.30

MILEAGE 9 1/2 sb/mile 282.00

min charge

TOTAL 2026.20

EQUIPMENT

PUMP TRUCK CEMENTER Fuzzy Andrew

431 HELPER Larene

TRUCK DRIVER Wil

TRUCK DRIVER _____

REMARKS:

Pressure back side to 500#

Take Injection rate 3/4 BBL min note

Mix 100 sks com 2% w wash pump

and line clean, displace down

pressure to 500#

shut IV

Thank you

SERVICE

DEPTH OF JOB 1025'

PUMP TRUCK CHARGE _____ 1025.00

EXTRA FOOTAGE _____ @ _____

MILEAGE 12 miles @ 7.00 84.00

MANIFOLD _____ @ _____

_____ @ _____

CHARGE TO: Hartman oil

STREET _____

CITY _____ STATE _____ ZIP _____

TOTAL 1159.00

PLUG & FLOAT EQUIPMENT

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

TOTAL _____

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You are hereby requested to rent cementing equipment and furnish cementer and helper 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 & understand the "TERMS AND CONDITIONS" listed on the reverse side.

TAX _____

TOTAL CHARGE _____

DISCOUNT _____ IF PAID IN 30 DAYS

SIGNATURE J.T. [Signature]

PRINTED NAME _____