



KANSAS CORPORATION COMMISSION 1075193
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 # 33905
Name: Royal Drilling Inc
Address 1: 719 WITT AVE
Address 2: PO BOX 342
City: RUSSELL State: KS Zip: 67665 +
Contact Person: John Driscoll
Phone: (785) 483-9580
CONTRACTOR: License # 33905
Name: Royal Drilling Inc
Wellsite Geologist: Jim Musgrove
Purchaser: _____

Designate Type of Completion:
 New Well Re-Entry Workover
 Oil WSW SWD SIOW
 Gas D&A ENHR SIGW
 OG GSW Temp. Abd.
 CM (Coal Bed Methane)
 Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:
Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____
 Deepening Re-perf. Conv. to ENHR Conv. to SWD
 Conv. to GSW
 Plug Back: _____ Plug Back Total Depth
 Commingled Permit #: _____
 Dual Completion Permit #: _____
 SWD Permit #: _____
 ENHR Permit #: _____
 GSW Permit #: _____

<u>2/14/2012</u>	<u>02/20/2012</u>	<u>4/26/2012</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-051-26266-00-00
Spot Description: _____
NW SW NW NW Sec. 13 Twp. 13 S. R. 18 East West
850 Feet from North / South Line of Section
83 Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW

County: Ellis
Lease Name: Unrein-Staab Unit Well #: 1

Field Name: Ubert South
Producing Formation: Lansing

Elevation: Ground: 2164 Kelly Bushing: 2170
Total Depth: 3792 Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: 1415 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: 63000 ppm Fluid volume: 400 bbls
Dewatering method: Evaporated

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	
<input type="checkbox"/> Letter of Confidentiality Received	Date _____
<input type="checkbox"/> Confidential Release Date: _____	
<input checked="" type="checkbox"/> Wireline Log Received	
<input type="checkbox"/> Geologist Report Received	
<input type="checkbox"/> UIC Distribution	
ALT <input checked="" type="checkbox"/> I <input type="checkbox"/> II <input type="checkbox"/> III	Approved by: <u>NAOMI JAMES</u> Date: <u>10/02/2012</u>



1075193

Operator Name: Royal Drilling Inc Lease Name: Unrein-Staab Unit Well #: 1
 Sec. 13 Twp. 13 S. R. 18 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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input checked="" type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name Attached	Top Attached	Datum Attached
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Electric Log Run	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Electric Log Submitted Electronically <i>(If no, Submit Copy)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
List All E. Logs Run:				
RAG w/ DIL, COL/CNL & MEL				

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	1415	Common	500	3% CC, 2% Gel.
Production	7.875	5.5	17	3782	Common & 60/4C	300	10% Salt, 2% Gel / 4% Gel 1/4 # Sacks

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input checked="" 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 <i>(Amount and Kind of Material Used)</i>	Depth
4	3481-3485	Acid 250 gal 15%	
4	3501-3507	Acid 250 gal 15%	

TUBING RECORD:	Size: <u>2.5</u>	Set At: <u>3650</u>	Packer At:	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR. <u>5/15/2012</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. <u>40</u>	Gas-Oil Ratio Gravty

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) (Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Royal Drilling Inc
Well Name	Unrein-Staab Unit 1
Doc ID	1075193

Tops

Name	Top	Datum
Anhydrite	1415	+755
Base Anhydrite	1455	-715
Topeka	3150	-980
Heebner	3408	-1238
Toronto	3431	-1261
Lansing	3451	-1281
Base Kansas City	3692	-1522
Arbucke	3705	-1535

ALLIED OIL & GAS SERVICES, LLC 056903

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

SERVICE POINT:
Russell

DATE <u>2-15-02</u>	SEC. <u>13</u>	TWP. <u>13</u>	RANGE <u>18</u>	CALLED OUT	ON LOCATION	JOB START <u>10</u>	JOB FINISH <u>11</u>
UNY... LEASE		WELL # <u>0111</u>		LOCATION <u>Hwy 5 E. Commerce Park</u>		COUNTY <u>Ellis</u>	STATE <u>KS</u>
OLD OR NEW (Circle one)				<u>3N</u>			

CONTRACTOR Royal Drilling #1

TYPE OF JOB Surface

HOLE SIZE 12 1/8 **T.D.** 1413

CASING SIZE 8 5/8 **DEPTH** 1413

TUBING SIZE _____ **DEPTH** _____

DRILL PIPE _____ **DEPTH** _____

TOOL _____ **DEPTH** _____

PRES. MAX _____ **MINIMUM** _____

MEAS. LINE _____ **SHOE JOINT** 42

CEMENT LEFT IN CSG. 42 ft

PERFS. _____

DISPLACEMENT 87 bid

OWNER _____

CEMENT

AMOUNT ORDERED 600 lbs 340 CC, 260 lb

COMMON <u>500</u>	@	<u>16.25</u>	<u>8125.00</u>
POZMIX	@		
GEL <u>10</u>	@	<u>21.25</u>	<u>213.50</u>
CHLORIDE <u>18</u>	@	<u>38.20</u>	<u>1047.60</u>
ASC	@		
	@		
	@		
	@		
	@		
	@		
	@		
	@		
HANDLING <u>2.25</u>	@	<u>2.25</u>	<u>530.25</u>
MILEAGE <u>300 x RT x .11</u>			<u>1568.16</u>
TOTAL			<u>11,483.21</u>

REMARKS:

In good luck to state first time
circulated mud & 1/2 500 lbs of clay A
cement 3/4 cu. to get 1000 lb cement plug
Displaced 87 1/2 cu. (mud) plug @ 1100 lbs
Cement circulated to surface

SERVICE

DEPTH OF JOB			
PUMP TRUCK CHARGE			<u>1925.00</u>
EXTRA FOOTAGE	@		
MILEAGE <u>MILV 27</u>	@	<u>7.00</u>	<u>189.00</u>
MANIFOLD <u>MILV 27</u>	@	<u>4.00</u>	<u>108.00</u>
	@		
TOTAL			<u>2,222.00</u>

CHARGE TO: Royal Drilling Inc

STREET _____

CITY _____ **STATE** _____ **ZIP** _____

PLUG & FLOAT EQUIPMENT

<u>2 1/2" 27' Miller Plug</u>	@	<u>112.00</u>	<u>79.00</u>
<u>2 1/2" 27' Miller Plug</u>	@		<u>84.00</u>
	@		
	@		

To: Allied Oil & Gas Services, LLC.

ALLIED CEMENTING CO., LLC. 034592

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

SERVICE POINT:

Russell

DATE <u>7-20-12</u>	SEC. <u>13</u>	TWP. <u>13</u>	RANGE <u>18</u>	CALLED OUT	ON LOCATION <u>10:00 am</u>	JOB START <u>1:30 pm</u>	JOB FINISH <u>2:30 pm</u>
LEASE <u>Warren-Stubb</u>		WELL # <u>1</u>		LOCATION <u>Hays Exp. Rd. E-W</u>		COUNTY <u>Allen</u>	STATE <u>KS</u>
OLD OR NEW (Circle one)				<u>E side</u>			

CONTRACTOR Royal Drilling Rig #1 OWNER Same

TYPE OF JOB Production

HOLE SIZE 7 7/8 T.D. 3782' CEMENT

CASING SIZE 5 1/2 DEPTH 3782 AMOUNT ORDERED 150 SKS 60/40 49 gel

TUBING SIZE _____ DEPTH _____ 1/4" 5/16 sand 150 SKS Conn

DRILL PIPE _____ DEPTH _____ 107 salt 29 gel

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____ COMMON 240 SKS @ 16.25 3900.00

MEAS. LINE _____ SHOE JOINT 13.23 POZMIX 60 SKS @ 8.50 510.00

CEMENT LEFT IN CSG. 13.23 GEL 8 SKS @ 21.25 170.00

PERFS: _____ CHLORIDE _____ @ _____

DISPLACEMENT _____ ASC _____ @ _____

EQUIPMENT

PUMP TRUCK CEMENTER Loren

417 HELPER Woody

BULK TRUCK

423/187 DRIVER Robert

BULK TRUCK

481/292 DRIVER Ron

POZMIX	<u>60 SKS @</u>	<u>8.50</u>	<u>510.00</u>
GEL	<u>8 SKS @</u>	<u>21.25</u>	<u>170.00</u>
CHLORIDE	@		
ASC	@		
<u>1/4 sand 58'</u>	@	<u>7.70</u>	<u>102.60</u>
HANDLING <u>326 SKS</u>	@	<u>2.25</u>	<u>733.50</u>
MILEAGE <u>110 SKS/mile</u>			<u>969.22</u>
TOTAL			<u>6334.32</u>

REMARKS:

150 SKS 60/40 49 gel 145 lb
Mix 150 SKS Conn 107 salt 29 gel
Displace with water
Land plug at 3782'

Thank you

DEPTH OF JOB	<u>3782'</u>		
PUMP TRUCK CHARGE			<u>2225.00</u>
EXTRA FOOTAGE	@		
MILEAGE	<u>37</u>	@	<u>7.00 259.00</u>
MANIFOLD	<u>1/4 sand</u>	@	<u>200.00</u>
	<u>2' d. footage 27'</u>	@	<u>4.00 108.00</u>

TOTAL 2722.00

CHARGE TO: Royal Drilling Inc

STREET _____

CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

<u>(1) Guide shoe</u>	@	<u>290.00</u>
<u>(1) 1" d. insert</u>	@	<u>180.00</u>
<u>(1) 1" rubber plug</u>	@	<u>73.00</u>
<u>(3) Centralizers</u>	@	<u>49.00 147.00</u>

To Allied Cementing Co., LLC.