



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1228861
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: _____

1228861

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> _____
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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	Questa Energy Corporation
Well Name	Bertrand 2-22
Doc ID	1228861

All Electric Logs Run

Dual Induction log
Dual Compensated Porosity log
Micro Resistivity log
Compensated Sonic log

Form	ACO1 - Well Completion
Operator	Questa Energy Corporation
Well Name	Bertrand 2-22
Doc ID	1228861

Tops

Name	Top	Datum
Stone Corral	2656	+425
Heebner Shale	4043	-962
L/KC	4083	-1002
Stark Shale	4296	-1215
Base KC	4356	-1275
Pawnee	4474	-1393
Myrick Station	4516	-1435
Ft. Scott	4544	-1463
Cherokee	4576	-1495
Mississippian	4650	-1569



CONSOLIDATED
Oil Well Services, LLC

TICKET NUMBER 46553
LOCATION Oakley KS
FOREMAN Dane Pritzlaff

PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

**FIELD TICKET & TREATMENT REPORT
CEMENT**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
9-13-14	6609	Bertrand 2-22	22	9	32	Thomas
CUSTOMER			Oakley North 83.4 miles west into			
MAILING ADDRESS			TRUCK #	DRIVER	TRUCK #	DRIVER
QUESTA			399	Jordan		
CITY			397	Cody		
STATE			Helper	Lee		
ZIP CODE						

JOB TYPE PTA HOLE SIZE 7 7/8 HOLE DEPTH _____ CASING SIZE & WEIGHT _____
 CASING DEPTH _____ DRILL PIPE 4.5 TUBING _____ OTHER _____
 SLURRY WEIGHT 12.8 SLURRY VOL 1.42 WATER gal/sk 6.7 CEMENT LEFT in CASING _____
 DISPLACEMENT _____ DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety meeting. Rig up. Plug as ordered

2655	50 SKS
1820	100 SKS
400	50 SKS
40	10 SKS
MH	15 SKS
RH	30 SKS
255 SKS	60/40 440 gal 1/4" Flo Seal

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	1395.00	1395.00
5406	10	MILEAGE	5.25	52.50
5407	10.96	Ton Mileage Delivery (min)	1.75	430.00
1131	255 SKS	60/40 Poz Mix	15.86	4044.30
1118A	877	Bentonite	.27	236.79
1107	63	Flo Seal	2.97	187.11
4432	1	8% Wooden Plug	100.75	100.75
			Sub	6446.45
			10%	644.64
			Total	5801.81
			SALES TAX	
			ESTIMATED	
			TOTAL	

Ravin 3737

AUTHORIZATION Dane E TITLE _____ 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

TERMS

In consideration of the prices to be charged for Consolidated Oil Well Services, LLC (COWS) services, equipment and products and for the performance of services and supplying of materials, Customer agrees to the following terms and conditions.

Terms. Cash in advance unless satisfactory credit is established. On credit sales, invoices are payable within 30 days of the invoice date. On all invoices not paid within 30 days, Customer agrees to pay COWS interest at the rate of 18% per annum or the maximum rate allowed by law, whichever is higher. In the event COWS retains an attorney to pursue collection of any account, Customer agrees to pay all collection costs and attorney's fees incurred by COWS.

Any applicable federal, state or local sales, use occupation, consumer's or emergency taxes shall be added to the quoted price. All process license fees required to be paid to others will be added to the scheduled prices.

All COWS' prices are subject to change without notice.

SERVICE CONDITIONS

Customer warrants that the well is in proper condition to receive the services, equipment, products and materials to be supplied by COWS. The Customer shall at all time have complete care, custody, and control of the well, the drilling and production equipment at the well, and the premises about the well. A responsible representative of the Customer shall be present to specify depths, pressures, or materials used for any service which is to be performed.

(a) COWS shall not be responsible for any claim, cause of action or demand (hereinafter referred to as a 'claim') for damage to property, or injury to or death of employees and representatives, of Customer or the well owner (if different from Customer), unless such damage, injury or death is caused by the willful misconduct or gross negligence of COWS, including but not limited to sub-surface damage and surface damage arising from sub-surface damage.

(b) Unless a claim is the result of the sole willful misconduct or gross negligence of COWS, Customer shall be responsible for and indemnify and hold COWS harmless from any claim for: (1) reservoir loss or damage, or property damage resulting from sub-surface pressure, losing control of the well and/or a well blowout; (2) damages as a result of a subsurface trespass, or an action in the nature thereof, arising from a service operation performed by COWS; (3) injury to or death of persons, other than employees of COWS, or damage to property (including, but not limited to, injury to the well), or any damages whatsoever, irrespective of cause, growing out of or in any way connected with the use of radioactive material in the well hole; and (4) well damage or reservoir damage caused by (i) loss of circulation, cement invasion, cement misplacement, pumping cement or cement plugs on wells with loss of circulation, including the failure to displace plug to proper depth, (ii) sub-surface pressure and resulting failure to complete pumping of cement or cement plug, including dehydration of cement slurry or flashing, plugged float shoe, annulus bridging or plugging, or (iii) down hole tools being lost or left in the well, or becoming stuck in the well for any reason and by any cause. COWS may furnish down hole tools and may supply supervision for the running and placement of such tools but will not be liable for any damage, loss or result caused by the use of such tools.

Furthermore, Customer will be responsible for the cost to replace such tools if they are lost or left in the well.

(c) COWS makes no guarantee of the effectiveness of any COWS' products, supplies or materials, or the results of any COWS' treatment or services.

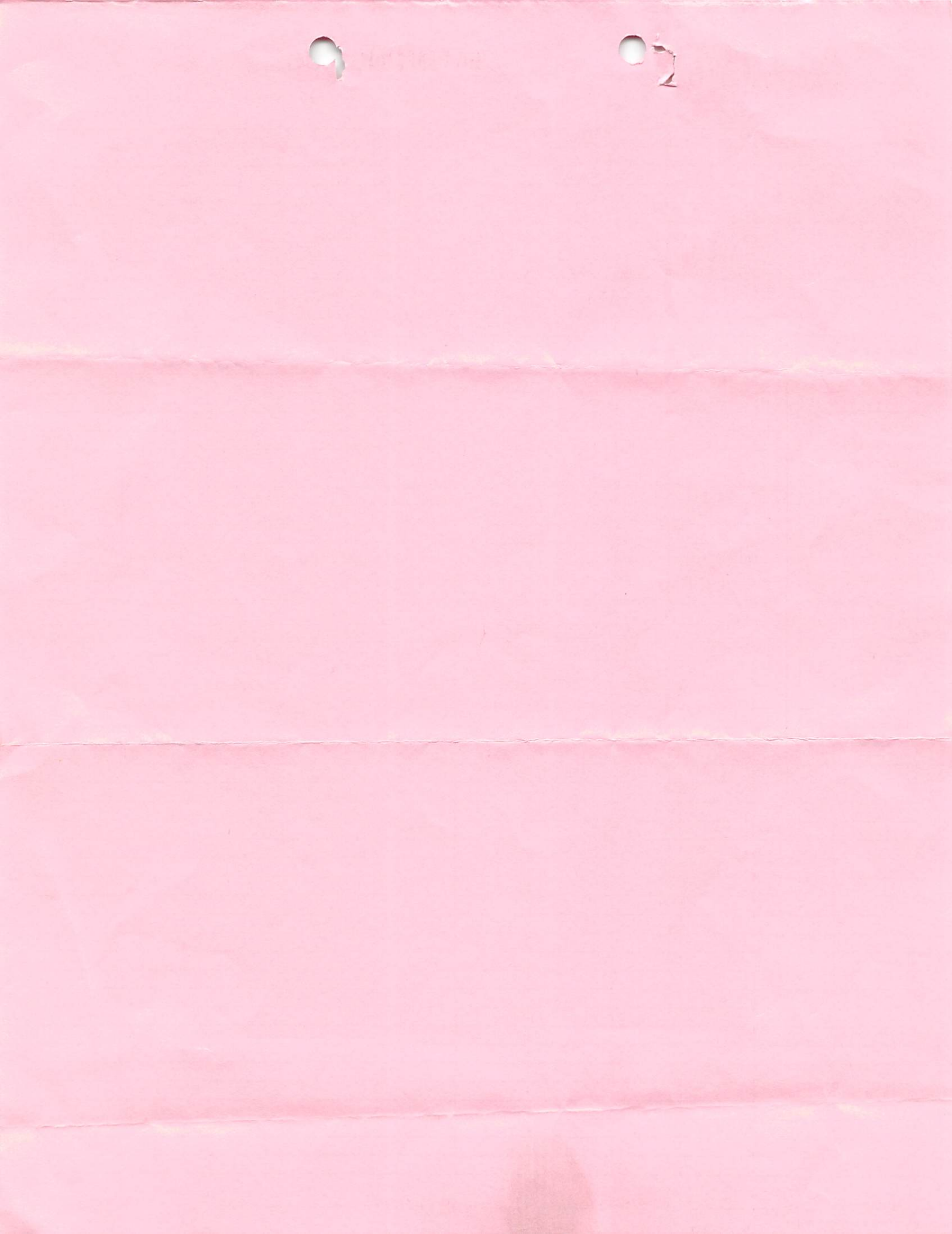
(d) Because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, COWS is unable to guarantee the accuracy of any chart interpretation, research analysis, job recommendation or other data furnished by COWS. COWS' personnel will use their best efforts in gathering such information and their best judgement in interpreting it, but Customer agrees that COWS shall not be responsible for any damage arising from the use of such information except where due to COWS' gross negligence or willful misconduct in the preparation or furnishing of it.

(e) COWS may buy and re-sell to Customer down hole equipment, including but not limited to float equipment, DV tools, port collars, type A & B packers, and Customer agrees that COWS is not an agent or dealer for the companies who manufacture such items, and further agrees that Customer shall be solely responsible for and indemnify COWS against any claim with regard to the effectiveness, malfunction of, or functionality of such items.

WARRANTIES - LIMITATION OF LIABILITY

COWS warrants title to the products, supplies and materials, and that the same are free from defects in workmanship and materials. THERE ARE NO OTHER WARRANTIES, EXPRESS OR IMPLIED, NOR ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR PURPOSE, WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. COWS's liability and Customer's exclusive remedy in any claim (whether in contract, tort, breach of warranty or otherwise,) arising out of the sale or use of any COWS' products, supplies, materials or services is expressly limited to the replacement of such products, supplies, materials or services or their return to COWS or, at COWS' option, an allowance to Customer of credit for the cost of such items.

Customer waives and releases all claims against COWS for any special, incidental, indirect, consequential or punitive damages.



ALLIED OIL & GAS SERVICES, LLC 064089

Federal Tax I.D. # 20-8651475

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

SERVICE POINT: Oakley, KS
9-4-14

DATE <u>9-3-14</u>	SEC. <u>22</u>	TWP. <u>9</u>	RANGE <u>32</u>	CALLED OUT	ON LOCATION <u>7:30pm</u>	JOB START <u>1:30am</u>	JOB FINISH <u>2:00am</u>
LEASE <u>Bartland</u>	WELL # <u>2-22</u>	LOCATION <u>Oakley, KS, 912 N. Winto</u>			COUNTY <u>McPherson</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one)							

CONTRACTOR <u>Uo 17</u>	OWNER <u>Sowc</u>
TYPE OF JOB <u>Surface</u>	
HOLE SIZE <u>12 1/4</u>	T.D. <u>356</u>
CASING SIZE <u>8 3/8</u>	DEPTH <u>356'</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG. <u>15'</u>	
PERFS.	
DISPLACEMENT <u>21.82 bbl</u>	

CEMENT		
AMOUNT ORDERED	<u>225 sks cement</u>	<u>390.00</u>
	<u>290 gel</u>	
COMMON	<u>225 sks @ 17.90</u>	<u>4027.50</u>
POZMIX	@	
GEL	<u>423# @ .50</u>	<u>211.50</u>
CHLORIDE	<u>635# @ 1.10</u>	<u>698.50</u>
ASC	@	
	@	
	@	
	@	
	@	
	@	
	@	
HANDLING	<u>243.3573 @ 2.48</u>	<u>603.38</u>
MILEAGE	<u>11.11 hrs x 12 x 2.75</u>	<u>366.63</u>

EQUIPMENT

PUMP TRUCK # <u>422</u>	CEMENTER <u>Loren E. White</u>
	HELPER <u>Wayne McGhghy</u>
BULK TRUCK # <u>890/241</u>	DRIVER <u>Esteban Alcala (TUS)</u>
BULK TRUCK #	DRIVER

REMARKS:

Mix 225 sks cement
Displace with water
Cement did circulate

Thank you

TOTAL _____

SERVICE

DEPTH OF JOB		
PUMP TRUCK CHARGE		<u>1512.25</u>
EXTRA FOOTAGE	@	
MILEAGE <u>MI HD 12</u>	@ <u>7.70</u>	<u>92.40</u>
MANIFOLD <u>MI LD 12</u>	@ <u>4.40</u>	<u>52.80</u>
	@	

TOTAL _____

PLUG & FLOAT EQUIPMENT

	@	
	@	
	@	
	@	
	@	

TOTAL _____

SALES TAX (If Any) _____

TOTAL CHARGES _____

DISCOUNT _____ IF PAID IN 30 DAYS

CHARGE TO: Questa Energy

STREET _____

CITY _____ STATE _____ ZIP _____

To: Allied Oil & Gas Services, LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME Sergio Estrada

SIGNATURE Sergio Estrada

GENERAL TERMS AND CONDITIONS

DEFINITIONS: In these terms and conditions, "ALLIED" shall mean Allied Oil & Gas Services, LLC, 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 any 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 ALLIED 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 ALLIED, refunded directly to CUSTOMER. For purposes of this paragraph, ALLIED 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 terms of this Contract, the prevailing party shall be entitled to recover all expenses, including, but not limited to, a reasonable sum as and for attorney's fees.

—**PRICES AND TAXES:** All merchandise listed in ALLIED'S current price schedule are F.O.B. ALLIED'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 ALLIED shall be added to the quoted prices charged to CUSTOMER.

—**TOWING CHARGES:** ALLIED will make a reasonable attempt to get to and from each job site using its own equipment. Should ALLIED be unable to do so because of poor or inadequate road conditions, and should it become necessary to employ 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 ALLIED, 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 ALLIED for the expenses incurred by ALLIED as a result of the cancellation.

—**DEADHAUL CHARGES:** Unless otherwise specified on the front of this Contract, a deadhaul charge as set forth in ALLIED'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. ALLIED carries public liability and property damage insurance, but since there are so many uncertain and unknown conditions beyond ALLIED'S control, ALLIED 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 ALLIED, 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 ALLIED'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 ALLIED or its employees.

2. With respect to any of ALLIED'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 ALLIED at the landing, CUSTOMER shall either recover the lost item without cost to ALLIED or reimburse ALLIED the current replacement cost of the item unless the loss or damage results from the sole negligence of ALLIED or its employees.

3. ALLIED 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:

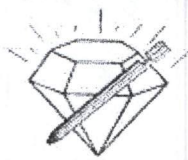
1. ALLIED warrants all merchandise manufactured or furnished by it to be free from defects in material and workmanship under normal use and service when installed, and used, and/or serviced in the manner provided and intended. ALLIED'S obligation under this warranty is expressly limited to repair, replacement, or allowance for credit, at its option, for any merchandise which is determined by ALLIED to be defective. THIS IS THE SOLE WARRANTY OF ALLIED 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 ALLIED 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 construed as a warranty by ALLIED 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 ALLIED or any interpretation of tests, meter readings, chart information, analysis of research, or recommendations made by ALLIED, unless the inaccuracy or incorrectness is caused by the willful misconduct or gross negligence of ALLIED or its employees in the preparation or furnishing of such facts, information or data.

(C) Work done by ALLIED shall be under the direct supervision and control of the CUSTOMER or his agent, and ALLIED will accomplish the job as an independent contractor and not as an employee or agent of the CUSTOMER.



DIAMOND TESTING
 P.O. Box 157
 HOISINGTON, KANSAS 67544
 (800) 542-7313
DRILL-STEM TEST TICKET
 FILE: BRTRND2-22DST1

TIME ON: 1100
 TIME OFF: 1900

Company **QUESTA ENERGY CORPORATION** Lease & Well No. **BERTRAND #2-22**
 Contractor **VAL ENERGY, INC. RIG 7** Charge to **QUESTA ENERGY CORPORATION**
 Elevation **3081 KB** Formation _____ L/KC "I-J" Effective Pay _____ Ft. Ticket No. **M705**
 Date **9/10/2014** Sec **22** Twp. _____ § S Range _____ 32 W County **THOMAS** State **KANSAS**
 Test Approved By **JUSTIN CARTER** Diamond Representative **MIKE COCHRAN**

Formation Test No. **1** Interval Tested from **4262 ft.** to **4290 ft.** Total Depth **4290 ft.**
 Packer Depth **4257 ft.** Size **6 3/4 in.** Packer depth **NA ft.** Size **6 3/4 in.**
 Packer Depth **4262 ft.** Size **6 3/4 in.** Packer depth **NA ft.** Size **6 3/4 in.**

Depth of Selective Zone Set _____
 Top Recorder Depth (Inside) **4244 ft.** Recorder Number **5445** Cap. **5,000 P.S.I.**
 Bottom Recorder Depth (Outside) **4264 ft.** Recorder Number **E1150** Cap. **5,000 P.S.I.**
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type **CHEM** Viscosity **54** Drill Collar Length **62 ft.** I.D. **2 1/4 in.**
 Weight **9.1** Water Loss **9.6 cc.** Weight Pipe Length **0 ft.** I.D. **2 7/8 in.**
 Chlorides **2,100 P.P.M.** Drill Pipe Length **4168 ft.** I.D. **3 1/2 in.**
 Jars: Make **STERLING** Serial Number **3** Test Tool Length **32 ft.** Tool Size **3 1/2-IF in.**
 Did Well Flow? **NO** Reversed Out **NO** Anchor Length **25 ft.** Size **4 1/2-FH in.**
 Main Hole Size **7 7/8** Tool Joint Size **4 1/2 XH in.** Surface Choke Size **1 in.** Bottom Choke Size **5/8 in.**

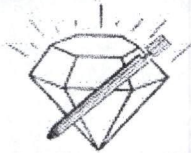
Blow: 1st Open: **WSB, BUILT TO 3/4" (NO BB)**
 2nd Open: **NO BLOW (NO BB)**

Recovered **~10 ft. of OSM 4% OIL, 95% MUD**
 Recovered **~10 ft. of TOTAL FLUID**
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Remarks _____
 Price Job _____
 Other Charges _____
 Insurance _____
 Total _____

TOOL SAMPLE: 16% OIL, 84% MUD

Time Set Packer(s) **1:45 P.M.** A.M. P.M. Time Started Off Bottom **4:00 P.M.** A.M. P.M. Maximum Temperature _____ °F
 Initial Hydrostatic Pressure _____ (A) **2055 P.S.I.**
 Initial Flow Period _____ Minutes **15** (B) **10 P.S.I.** to (C) **15 P.S.I.**
 Initial Closed In Period _____ Minutes **30** (D) **38 P.S.I.**
 Final Flow Period _____ Minutes **30** (E) **17 P.S.I.** to (F) **17 P.S.I.**
 Final Closed In Period _____ Minutes **60** (G) **46 P.S.I.**
 Final Hydrostatic Pressure _____ (H) **2038 P.S.I.**

Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



DIAMOND TESTING
 P.O. Box 157
 HOISINGTON, KANSAS 67544
 (800) 542-7313
DRILL-STEM TEST TICKET
 FILE: BRTRND2-22DST2

TIME ON: 0505
 TIME OFF: 1400

Company QUESTA ENERGY CORPORATION Lease & Well No. BERTRAND #2-22
 Contractor VAL ENERGY, INC. RIG 7 Charge to QUESTA ENERGY CORPORATION
 Elevation 3081 KB Formation LKC "K" Effective Pay _____ Ft. Ticket No. M708
 Date 9/11/2014 Sec 22 Twp. _____ 9 S Range _____ 32 W County THOMAS State KANSAS
 Test Approved By JUSTIN CARTER Diamond Representative MIKE COCHRAN

Formation Test No 2 Interval Tested from 4290 ft. to 4322 ft. Total Depth 4322 ft.

Packer Depth 4285 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.
 Packer Depth 4290 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.

Depth of Selective Zone Set _____
 Top Recorder Depth (Inside) 4272 ft. Recorder Number 5448 Cap. 5,000 P.S.I.
 Bottom Recorder Depth (Outside) 4292 ft. Recorder Number E1150 Cap. 5,000 P.S.I.
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEM Viscosity 64 Drill Collar Length 62 ft. I.D. 2 1/4 in.
 Weight 9.2 Water Loss 6.4 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
 Chlorides 2,200 P.P.M. Drill Pipe Length 4196 ft. I.D. 3 1/2 in.
 Jars: Make STERLING Serial Number 3 Test Tool Length 32 ft. Tool Size 3 1/2-IF in.
 Did Well Flow? NO Reversed Out NO Anchor Length 32 ft. Size 4 1/2-FH in.
 Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: GSB, BUILT TO 8" (NO BB)
 2nd Open: WSB, BOB 28 MIN (VW BB)

Recovered 50 ft. of GIP GRAVITY: 36.9 @ 60"

Recovered 5 ft. of CO 100% OIL

Recovered 70 ft. of OCWM 6% OIL, 42% WTR, 52% MUD

Recovered 183 ft. of WTR 100% WTR (121' DP, 62' DC)

Recovered 258 ft. of TOTAL FLUID

Recovered _____ ft. of RW: 1.0 @ 44 DEG

Remarks: PH: 7.0

CHLOR: 50,000 PPM

TOOL SAMPLE: 6% OIL, 84% WTR, 10% MUD

Time Set Packer(s)	<u>8:00 A.M.</u>	A.M. P.M.	Time Started Off Bottom	<u>11:00 A.M.</u>	A.M. P.M.	Maximum Temperature	<u>134°F</u>
Initial Hydrostatic Pressure	(A)			<u>2049</u>			P.S.I.
Initial Flow Period	Minutes	<u>15</u>	(B)			<u>14</u>	P.S.I. to (C) <u>61</u> P.S.I.
Initial Closed In Period	Minutes	<u>30</u>	(D)			<u>1850</u>	P.S.I.
Final Flow Period	Minutes	<u>45</u>	(E)			<u>64</u>	P.S.I. to (F) <u>134</u> P.S.I.
Final Closed In Period	Minutes	<u>90</u>	(G)			<u>1871</u>	P.S.I.
Final Hydrostatic Pressure	(H)			<u>2021</u>			P.S.I.

Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

Remarks

After careful review of the sample log, electric logs, and DST reports, the decision was made to P&A the Bertrand 2-22.