



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1263833
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 |
|-----------------------------------|-----------------|---|

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: _____



1263833

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 |
|--|---|

| 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: Yes No

Date of First, Resumed Production, SWD or ENHR: _____ Producing Method:
 Flowing Pumping Gas Lift Other *(Explain)* _____

| 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> _____ <i>(Submit ACO-4)</i> | PRODUCTION INTERVAL: _____ _____ |
|--|---|---|



Operator:
lantha Resources, LLC
Garnett, KS

Poss #42
Anderson Co., KS
11-20S-20E
API: 003-26427

| | | | |
|------------------------|----------------|-------------------------|----------|
| Spud Date: | 8/6/2015 | Surface Bit: | 11.0" |
| Surface Casing: | 7.0" | Drill Bit: | 5.875" |
| Surface Length: | 22.8' | Longstring: | 758.75' |
| Surface Cement: | 6 sx | Longstring Date: | 8/7/2015 |
| Longstring: | 2 7/8 EUE Used | | |

Driller's Log

| Top | Bottom | Formation | Comments |
|-----|--------|-------------|---------------------------------|
| 0 | 8 | Soil & clay | |
| 8 | 11 | Gravel | |
| 11 | 81 | Shale | |
| 81 | 109 | Lime | |
| 109 | 125 | Shale | |
| 125 | 132 | Lime | |
| 132 | 178 | Shale | |
| 178 | 190 | Lime | |
| 190 | 198 | Shale | |
| 198 | 233 | Lime | |
| 233 | 239 | Shale | |
| 239 | 241 | Bl. Shale | |
| 241 | 284 | Lime | |
| 284 | 288 | Shale | |
| 288 | 294 | Lime | |
| 294 | 314 | Shale | |
| 314 | 317 | Lime | |
| 317 | 324 | Shale | |
| 324 | 329 | Sand | Good odor, good bleed in top 2' |
| 329 | 379 | Sandy Shale | |
| 379 | 414 | Shale | |
| 414 | 416 | Lime | |
| 416 | 421 | Shale | Muddy |
| 421 | 428 | Shale | |

| | | | |
|------------|-----|-------------|--------------------------|
| 428 | 433 | Sand | |
| 433 | 461 | Shale | |
| 461 | 463 | Lime | |
| 463 | 467 | Shale | |
| 467 | 470 | Lime | |
| 470 | 474 | Shale | |
| 474 | 484 | Lime | |
| 484 | 488 | Shale | |
| 488 | 490 | Lime | |
| 490 | 502 | Shale | |
| 502 | 508 | Lime | |
| 508 | 529 | Shale | |
| 529 | 535 | Sand | No odor |
| 535 | 537 | Coal | |
| 537 | 546 | Shale | |
| 546 | 548 | Lime | |
| 548 | 552 | Shale | |
| 552 | 553 | Lime | |
| 553 | 564 | Shale | |
| 564 | 567 | Lime | |
| 567 | 590 | Shale | |
| 590 | 600 | Lime | |
| 600 | 612 | Shale | |
| 612 | 614 | Lime | |
| 614 | 624 | Shale | |
| 624 | 626 | Lime | |
| 626 | 633 | Shale | |
| 633 | 668 | Bl. Shale | |
| 668 | 670 | Coal | |
| 670 | 726 | Sand | Good oil show, see below |
| 726 | 750 | Shale | |
| 750 | 766 | Sandy Shale | No odor |
| 766 | 782 | Sand | Brown, no odor |
| 782 | | TD | |

| Coring | | |
|---------------|----------------|-------------|
| Run | Footage | Rec. |
| 1 | | |
| 2 | | |

Sand Detail

| | |
|---------|---|
| 670-684 | Good oil show, good soft brown sand, lighter oil |
| 684-690 | Darker sand, with heavier looking oil, more shale |
| 690-704 | Better sand with good bleed, strong odor |
| 704-710 | More shale, but still good odor with good bleed |
| 710-722 | Lot of shale with fair odor, weaker show to pit |
| 722-726 | Mostly shale, weak odor |



250 N. Water, Ste 200 - Wichita, Ks 67202

HURRICANE SERVICES INC

104 Prairie Plaza Parkway - Garnett, Ks 66032

| Customer: lantha resources llc | | Customer Name: | | Ticket No.: 50036 | | | | |
|--|-----------------------------|--|----------|-----------------------------|--|----------------------------|------------|-------------|
| Address: | | AFE No.: | | Date: 8/7/2015 | | | | |
| City, State, Zip: | | Job type: Long string New well | | | | | | |
| Service District: | | Well Details: 5 5/8 hole 782' TD Tubing 2 7/8 758' | | | | | | |
| Well name & No. Poss #42 | | Well Location: | | County: Anderson State: Ks. | | | | |
| Equipment # | Driver | Equipment # | Driver | Equipment # | Hours | TRUCK CALLED | AM | TIME |
| 230 | Jeff G | 25 | Dwayne | | | ARRIVED AT JOB | PM | 4pm |
| 241 240 | Troy | | | | | START OPERATION | PM | 4:30pm |
| 111 110 | Tom | | | | | FINISH OPERATION | PM | 6pm |
| 109 111 | Jesse | | | | | RELEASED | PM | |
| | | | | | | MILES FROM STATION TO WELL | 6 | |
| Job Summary | | | | | | | | |
| Hook onto well and pump to establish circulation then pump 5 bbl gel flush followed by 15 bbl water spacer and start cement. Pump 115 sacks of cement stop to flush pump then pump a double wiper plug to bottom and set float shoe and shut in well. (note; customer supplied second wiper plug) | | | | | | | | |
| Product/Service Code | Description | Unit of Measure | Quantity | List Price/Unit | Gross Amount | Item Discount | Net Amount | |
| p01604 | 50/50 Pozmix Cement | sack | 115.00 | \$11.30 | \$1,299.50 | 15.00% | \$1,104.58 | |
| p02000 | H2O | gal | 3,500.00 | \$0.01 | \$45.50 | 15.00% | \$38.68 | |
| p01607 | Bentonite Gel | lb | 295.00 | \$0.30 | \$88.50 | 15.00% | \$75.23 | |
| p01631 | Rubber Plug 2 7/8 | ea | 1.00 | \$30.00 | \$30.00 | 15.00% | \$25.50 | |
| p01611 | FLO-Seal | lb | 28.75 | \$2.15 | \$61.81 | 15.00% | \$52.54 | |
| c24001 | Cement Bulk Truck - Minimum | ea | 1.00 | \$300.00 | \$300.00 | 66.00% | \$102.00 | |
| c11100 | Vacuum Truck 80 bbl | ea | 1.00 | \$84.00 | \$84.00 | 15.00% | \$71.40 | |
| c11000 | Vacuum Truck 80 bbl | ea | 1.00 | \$84.00 | \$84.00 | 15.00% | \$71.40 | |
| c23100 | Cement Pump | ea | 1.00 | \$950.00 | \$950.00 | 35.00% | \$617.50 | |
| TERMS: Cash in advance unless Hurricane Services Inc has approved credit prior to sale. Credit terms of sale for approved accounts are total invoice due on or before the 30th day from the date of invoice. Past due accounts may pay interest on the balance past due at the rate of 1 1/2% per month or the maximum allowable by applicable state or federal laws if such laws limit interest to a lesser amount. In the event it is necessary to employ an agency and/or attorney to affect the collection of said account, Customer hereby agrees to pay all fees directly or indirectly incurred for such collection. In the event that Customer's account with HSI becomes delinquent, HSI has the right to revoke any and all discounts previously applied in arriving at net invoice price. Upon revocation, the full invoice price without discount will become immediately due and owing and subject to collection. | | | | | Gross: | \$ 2,943.31 | Net: | \$ 2,158.82 |
| | | | | | Total Taxable | \$ - | Tax Rate: | 7.400% |
| | | | | | Frac and Acid service treatments designed with intent to increase production on newly drilled or existing wells are not taxable. | | Sale Tax: | \$ - |
| | | | | | Total: \$ 2,158.82 | | | |
| | | | | | Date of Service: | 8/7/2015 | | |
| | | | | | HSI Representative: | Dwayne | | |
| | | | | | Customer Representative: | Tom Miller | | |
| X _____ CUSTOMER AUTHORIZED AGENT | | | | | | | | |
| Customer Comments or Concerns: | | | | | | | | |

Hurricane Services appreciates any Comments, Concerns or Criticism's from our valuable customers as Safety and Customer Satisfaction are our Number 1 goal. All Comments are confidential and will be used in a constructive manner to improve our Safety and Job Performance.



MIDWEST SURVEYS
 LOGGING - PERFORATING - CONSULTING SERVICES
 P.O. Box 68, Osawatomie, KS 66064
 913 / 755 - 2128

GAMMA RAY / NEUTRON / CCL

File No. Company Iantha Resources, LLC
 Well Poss No. - 42

Field Garnett Shoestring
 County Anderson State Kansas

Location 4125 FSL & 4405 FEL
 SW-SE-NW-NW

Sec 11 Twp 20s Rge 20e
 Permanent Datum GL Elevation 952'
 Log Measured From GL
 Drilling Measured From GL

Date 08-14-2015
 Run Number One
 Depth Drier 780.0
 Depth Logger 793.2
 Bottom Logged Interval 792.2
 Top Log Interval 20.0
 Fluid Level Full

| RUN | BIT | FROM | TO | SIZE | WGT. | FROM | TO |
|-----|--------|------|-------|--------|-------|------|--------|
| One | 11.00" | 0.0 | 22.8 | 7.00" | 17.0# | 0.0 | 22.75 |
| Two | 5.875" | 22.8 | 790.0 | 2.875" | 6.5 # | 0.0 | 798.75 |

Type Fluid Water
 Density / Viscosity NA
 Salinity - PPM Cl NA
 Max Recorded Temp NA
 Estimated Cement Top 0.0
 Equipment No. 104
 Location Osawatomie
 Recorded By Steve Wirsch
 Witnessed By David Vrenger

BORE-HOLE RECORD
 RUN NO. BIT FROM TO SIZE WGT. FROM TO

<<< Fold Here >>>
 All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

Comments

Drilling Contractor :
 McGown Drilling, Inc.

Database File: poss 42.db
 Dataset Pathname: pass1
 Presentation Format: gr-n-ccl
 Dataset Creation: Fri Aug 14 10:04:56 2015 by Log SCH 111116
 Charted by: Depth in Feet scaled 1:240

