

Confidentiality Requested:

☐ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1242717

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: _____



1242717

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 (Attach Additional Sheets) | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Log | Formation (Top), Depth and Datum | <input type="checkbox"/> Sample |
| Samples Sent to Geological Survey | <input type="checkbox"/> Yes <input type="checkbox"/> No | Name | Top | Datum |
| 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: | | | | |

| 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 |
| ____ Perforate | | | | |
| ____ Protect Casing | | | | |
| ____ Plug Back TD | | | | |
| ____ 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 (Amount and Kind of Material Used) | Depth |
|----------------|---|---|-------|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

| | | | | |
|---|---|---------|-------------|---|
| TUBING RECORD: | Size: | Set At: | Packer At: | Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No |
| 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 (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 (If vented, Submit ACO-18.) | METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled (Submit ACO-5) <input type="checkbox"/> Other (Specify) _____ | PRODUCTION INTERVAL: _____ _____ |
|--|---|--|

| HYDRAULIC FRACTURING FLUID PRODUCT COMPONENT INFORMATION DISCLOSURE | |
|---|--|
|---|--|

| | |
|--|------------------------|
| Last Fracture Date: | 11/14/2014 |
| County: | BARBER |
| API Number (14 Digits): | 15-007-24205-0000 |
| Operator Name: | REDLAND RESOURCES, LLC |
| Well Name and Number: | NELLIE #16-7 |
| Latitude: | 37.00062 |
| Longitude: | -98.37424 |
| Datum: | NAD27 |
| Production Type: | OIL |
| True Vertical Depth (TVD): | 5107' |
| Total Base Fluid Volume (gal)*: | 544,696 |



Hydraulic Fracturing Fluid Composition:

[illegible]

Ingredients shown above are subject to 29 CFR 1910.1200(i) and appear on Material Safety Data Sheets (MSDS). Ingredients shown below are Non-MSDS.

[illegible]

*Total Water Volume sources may include fresh water, produced water, and/or recycled water. **Information is based on the maximum potential for concentration and thus the total may be over 100%. Ingredient information for chemicals subject to 29 CFR 1910.1200(i) and Appendix D are obtained from suppliers' Material Safety Data Sheets (MSDS).



MAP EXPLORATION, INC.

MICHAEL ANTHONY POLLOK, PRES.

P.O. BOX 106 ■ PURCELL, OKLAHOMA 73080
OFFICE 405/527-6038 ■ HOME 405/527-5200 ■ MOBILE 405/823-4493 ■ FAX 405/527-7629
■ E-MAIL: mapexpl@aol.com

GEOLOGICAL REPORT NELLIE 16-7 NE/4 SEC. 16-T35S-R12W BARBER COUNTY, KANSAS

Summary

The above noted well was drilled to a depth of 5,107 feet on September 17, 2014. A one-man logging unit was on location from 2,200 feet, with one-man logging beginning at 3,915 feet. At TD, Weatherford electric logs were run that consisted of Dual Induction, Compensated Neutron-Density, and Micro-log. From the data collected while drilling and analyzing, 70 feet of potential hydrocarbon shows were encountered in the Mississippian. The decision was made to set production casing and complete the well in the Mississippian.

Mississippian

The top of the Mississippian was encountered at 4,843 (-3,441) feet. The samples were described as chert, fresh and weathered, that was white, brown, and dark brown in color. Bright fluorescence was noted along with excellent odor, abundant staining, and flash cuts. The zone is 70 feet with an average porosity of 25 percent and as high as 30. The gas chromatograph recorded a 391 unit gas kick at the top of the Mississippian with positive gas readings continuing through the zone. The micro-log recorded a fair amount of cross-over through the zone as well.


ELECTRIC LOG TOPS

| | REDLAND RES. NELLIE 16-7 NE/4 16-T35S-R12W | REDLAND RES. GREGORY 16-2 NE/4 16-T35S-R12W | REDLAND RES. PHOEBE ANN 17-7 NE/4 17-T35S-R12W |
|-----------------------------|---|--|---|
| BS. HEEBNER (Subsea) | 3,859' (-2,457') | 3,859' (-2,450') | 3,872' (2,460') |
| BS. AVANT (Subsea) | 4,405' (-3,003') | 4,406' (-2,997') | 4,404' (-2,992') |
| T/STARK (Subsea) | 4,559' (-3,157') | 4,561' (-3,152') | 4,559' (-3,147') |
| T/CHEROKEE SH. (Subsea) | 4,779'' (-3,377') | 4,779' (-3,370') | 4,776' (-3,364') |
| T/MISSISSIPPIAN (Subsea) | 4,843' (-3,441') | 4,842' (-3,433') | 4,852' (-3,440') |

Conclusion

The Nellie 16-7 was drilled for the potential hydrocarbon production in the Mississippian, which should be commercially productive. After all the data was collected and analyzed, the decision was made to set casing and attempt completion in the Mississippian.

Respectfully Submitted



Bill Busch
Petroleum Geologist
9/19/2014

ALLIED OIL & GAS SERVICES, LLC 063167

Federal Tax I.D. # 20-8651475

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

SERVICE POINT:
MEDLINE LODGE KS

| | | | | | | | |
|-------------------------|--------|-------------|-----------------------------|---------------------|----------------------|-------------------|--------------------|
| DATE 9-14-14 | SEC 16 | TWP 35-S | RANGE 12-W | CALLED OUT 10:30 PM | ON LOCATION 12:30 PM | JOB START 2:10 AM | JOB FINISH 2:45 PM |
| LEASE MELLIE | | WELL # 16-7 | LOCATION HARDTNER KS 1 S TO | | COUNTY BARBER | STATE KS | |
| OLD OR NEW (Circle one) | | | STATE LINE RD 2 E N FINTO | | | | |

| | |
|-------------------------------------|-------------------------|
| CONTRACTOR DUKE #7 | OWNER REDLAND RESOURCES |
| TYPE OF JOB SURFACE | |
| HOLE SIZE 17 1/4 | T.D. 262 |
| CASING SIZE 13 3/8 | DEPTH 260 |
| TUBING SIZE | DEPTH |
| DRILL PIPE | DEPTH |
| TOOL | DEPTH |
| PRES. MAX | MINIMUM |
| MEAS. LINE | SHOE JOINT 20' |
| CEMENT LEFT IN CSG. | |
| PERFS. | |
| DISPLACEMENT FRESH H ₂ O | |

EQUIPMENT

| | |
|------------|-----------------------------------|
| PUMP TRUCK | CEMENTER SCOTT PRIDDY / TONY SEBA |
| # 894-265 | HELPER ROBERT JOHNSON |
| BULK TRUCK | |
| # 364 | DRIVER JAMES BOWEN |
| BULK TRUCK | |
| # | DRIVER |

REMARKS:

ON LOCATION, TAILGATE MEETING, SPOT IN
RIG UP, SAFETY MEETING
PRESSURE TEST, PUMP SPACER
PUMP CEMENT, DISPLACE
SHUT IN,
DID CIRCULATE CEMENT

CHARGE TO: REDLANDS RESOURCES
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 _____
SIGNATURE Alan Watson

CEMENT
AMOUNT ORDERED
250 SX CLASS P + 3% CC 2% GGL

| | | |
|---------------------------|---------|---------|
| COMMON 250 SX | @ 17.90 | 4475.00 |
| POZMIX | @ | |
| GEL 470 [±] | @ 50 | 235.00 |
| CHLORIDE 705 [±] | @ 1.10 | 775.50 |
| ASC | @ | |
| | @ | |
| | @ | |
| | @ | |
| | @ | |
| | @ | |
| HANDLING | @ | |
| MILEAGE | @ | |

20% = 1097.10 TOTAL 5485.50

SERVICE

| | |
|---------------------------|---------------|
| DEPTH OF JOB 260 FT | |
| PUMP TRUCK CHARGE 1512.33 | |
| EXTRA FOOTAGE 25 | @ 4.40 110.00 |
| MILEAGE 25 | @ 7.70 192.50 |
| MANIFOLD | @ |
| Handling 270.41 | @ 2.48 670.61 |
| Mileage 308.43 | @ 2.70 832.78 |

20% = 663.72 TOTAL 3318.64

PLUG & FLOAT EQUIPMENT

| | | |
|--|---|--|
| | @ | |
| | @ | |
| | @ | |
| | @ | |
| | @ | |

TOTAL _____

SALES TAX (If Any) _____
TOTAL CHARGES 8804.14
DISCOUNT _____ IF PAID IN 30 DAYS
NET 7043.31

ALLIED OIL & GAS SERVICES, LLC 063171

Federal Tax I.D. # 20-8651475

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

SERVICE POINT:

MEDICINE LODGE KS

| | | | | | | | |
|-------------------------|--------|--------------------|------------|------------------------------------|---------------------|-------------------|--------------------|
| DATE 9-18-14 | SEC 16 | TWP 35 S | RANGE 12 W | CALLED OUT 11:30 AM | ON LOCATION 1:30 PM | JOB START 7:10 PM | JOB FINISH 8:07 PM |
| LEASE NELLIE | | WELL # 16-7 | | LOCATION HARDTIVER KS 1 S TO STATE | | COUNTY BARBER | STATE KS |
| OLD OR NEW (Circle one) | | LINE RD 2 E N INTO | | | | | |

| | |
|---------------------------------|-------------------------|
| CONTRACTOR DUICE 7 | OWNER REDLAND RESOURCES |
| TYPE OF JOB PRODUCTION | |
| HOLE SIZE 7 7/8 | T.D. 5107 |
| CASING SIZE 4 1/2 | DEPTH 5094 |
| TUBING SIZE | DEPTH |
| DRILL PIPE | DEPTH |
| TOOL | DEPTH |
| PRES. MAX | MINIMUM |
| MEAS. LINE | SHOE JOINT |
| CEMENT LEFT IN CSG. 21 3/4 FT | |
| PERFS. | |
| DISPLACEMENT FRESH H2O | |
| EQUIPMENT | |
| PUMP TRUCK CEMENTER SCOTT RIDDY | |
| # 548-545 HELPER JUSTIN BOWER | |
| BULK TRUCK | |
| # 702-643 DRIVER WAYNE RUCICER | |
| BULK TRUCK | |
| # DRIVER | |

REMARKS:

ON LOCATION, TAIL GATE MEETING, SPOT ON
RIG UP, SAFETY MEETING, PRESSURE TEST
PLUG BAY HOLE, PLUG MUDS HOLE
PUMP SAFETY VALVE, PUMP CEMENT
SHUT DOWN CLEAN LINES, RELEASE PLUG
START DISPLACEMENT SLOW RATE
BUMP PLUG
RELEASE PRESSURE FLOAT DID HOLD

CHARGE TO: REDLAND RESOURCES
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 _____
SIGNATURE Alan Watson

| | | |
|----------------------------------|---------|---------|
| CEMENT | | |
| AMOUNT ORDERED | | |
| 350 sc Class H ASC + 5% Vol Seal | | |
| + .5% PL-160 + 1/4% Flo Seal | | |
| COMMON | @ | |
| POZMIX | @ | |
| GEL | @ | |
| CHLORIDE | @ | |
| ASC H 350 sc | @ 24.45 | 8557.50 |
| PL-160 164.5 sc | @ 18.90 | 3109.05 |
| Flo Seal 87.5 sc | @ 2.97 | 259.87 |
| | @ | |
| | @ | |
| | @ | |
| | @ | |
| | @ | |
| HANDLING | @ | |
| MILEAGE | @ | |

2000 = 2385.28 TOTAL 11,926.42

SERVICE

| | |
|-------------------|----------------|
| DEPTH OF JOB 5109 | |
| PUMP TRUCK CHARGE | 3099.25 |
| EXTRA FOOTAGE 25 | @ 4.40 110.00 |
| MILEAGE 25 | @ 7.70 192.50 |
| MANIFOLD | @ 275.00 |
| Handling 485.72 | @ 2.48 1204.58 |
| Mileage 490.95 | @ 2.70 1325.56 |

2000 = 1241.37 TOTAL 6206.89

PLUG & FLOAT EQUIPMENT

| | | |
|-------------------|---------|--------|
| 1- AFD Float shoe | @ | 496.00 |
| 1- Hatch Box plug | @ | 655.00 |
| 6- Tanko 2ers | @ 90.00 | 540.00 |
| | @ | |
| | @ | |

2000 = 338.20 TOTAL 1691.00

SALES TAX (If Any) _____
TOTAL CHARGES 19,824.31
DISCOUNT _____ IF PAID IN 30 DAYS
NET 15,859.44