

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1091432
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: _____

1091432

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	Redland Resources, Inc.
Well Name	NUSS 13-7
Doc ID	1091432

All Electric Logs Run

DUAL INDUCTION
COMPENSATED NEUTRON DENSITY
MICROLOG
SONIC LOG

Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802



Phone: 316-337-6200
Fax: 316-337-6211
<http://kcc.ks.gov/>

Mark Sievers, Chairman
Thomas E. Wright, Commissioner

Sam Brownback, Governor

August 22, 2012

ALAN THROWER
Redland Resources, Inc.
6001 NW 23RD ST
OKLAHOMA CITY, OK 73127-1253

Re: ACO1
API 15-083-21796-00-00
NUSS 13-7
NE/4 Sec.13-23S-25W
Hodgeman County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,
ALAN THROWER

Redland Resources, Inc.

GEOLOGICAL REPORT

NUSS 13-7

SECTION 13 – T23S – R25W

HODGEMAN COUNTY, KANSAS

INTRODUCTION

The above captioned well was drilled to a total depth of 4,950 feet on July 25, 2011. A one-man logging unit was on location from approximately 1,000 feet monitoring gas, with sample examination beginning at 4,000 feet to TD. The well was under the geological supervision of the undersigned from approximately 4,300 feet to TD. At TD, Weatherford electric logs were run that consisted of Dual Induction, Compensated Neutron-Density, Sonic and Micro-log. From data collected while drilling and analyzing, there were no economic shows of hydrocarbons. The decision was made to plug and abandon the Nuss 13-7 as a dry hole.

INOLA LIMESTONE

The Inola was cut at 4,705 (-2225) feet. Samples were described as cream to tan, light gray fine crystalline predominately "tight" limestone with some bright yellow mineral fluorescence being observed. No other hydrocarbon shows were observed. A detrital zone above the Mississippian Unconformity was also cut. This zone gave up a slight brown dead oil staining along chert edges. A drill stem test was run to further evaluate these two zones, with results as follows; DST #1 (4648 – 4735)

Recovery: 15' oil cut mud; 1% oil

Flowing pressures: 19-22/22-23

Shut-in pressures: 832/362

The combined two zones tested "tight" and would not be productive of economic quantities of hydrocarbons.

ELECTRIC LOG TOPS

	REDLAND	RAINS & WILLIAMSON
	NUSS 13-7	MINER 1
	NE NE SW NE	SW NW
	13-T23S-R25W	18-T23S-R24W
STONE CORRAL	1693	1678
(subsea)	(+787)	(+799)
BASE HEEBNER	4022	4016
(subsea)	(-1542)	(-1539)
STARK SH.	4374	4371
(subsea)	(-1894)	(-1894)
CHEROKEE SH.	4623	4617
(subsea)	(-2143)	(-2140)
MISS UNCON.	4736	4730
(subsea)	(-2256)	(-2253)

MISSISSIPPIAN

The top of the Mississippian was found at 4,736 (-2256) feet. Samples were described as white, cream, tan predominately "tight" limestone, with very low visible porosity and no hydrocarbon shows. A total of approximately 75 feet of hard limestone was cut before the first good dolomite section was cut.

CONCLUSION

The Nuss 13-7 was drilled as an exploratory test for a seismic "high". The high was encountered, but the Inola was "tight" and the Mississippian was encountered with a thick portion of "caprock" before the dolomite porosity was cut. The Nuss 13-7 was plugged and abandoned as a dry hole.

Respectfully submitted,



Mike Pollok



Petroleum Geologist

08/6/12



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Redland Res. Inc.
6001 NW. 23rd. St.
Oklahoma City, OK 73127
ATTN: Chase Thomas

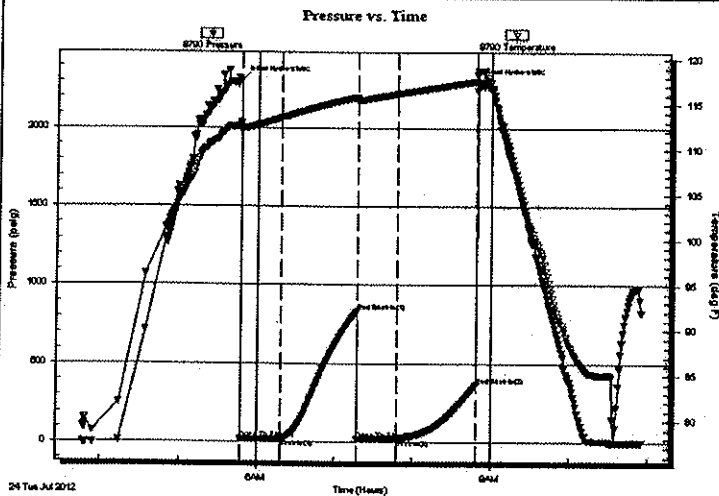
13-23s-25w Ford,KS
Nuss #13-7
Job Ticket: 49527 DST#: 1
Test Start: 2012.07.24 @ 03:46:59

GENERAL INFORMATION:

Formation: **Mississippian**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 05:47:29
Time Test Ended: 10:55:14
Interval: **4648.00 ft (KB) To 4735.00 ft (KB) (TVD)**
Total Depth: **4735.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: Fair
Test Type: Conventional Bottom Hole (Initial)
Tester: Ryan Reynolds
Unit No: 63
Reference Elevations: 2480.00 ft (KB)
2472.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8790 Inside
Press@RunDepth: 22.52 psig @ 4652.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2012.07.24 End Date: 2012.07.24 Last Calib.: 2012.07.24
Start Time: 03:47:04 End Time: 10:55:13 Time On Btm: 2012.07.24 @ 05:46:59
Time Off Btm: 2012.07.24 @ 08:49:44

TEST COMMENT: IF: Weak blow . 1/2" - Dead in 20 min.
ISI: No blow
FF: No blow
FSI: No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2306.16	112.93	Initial Hydro-static
1	18.63	112.02	Open To Flow (1)
32	21.96	113.46	Shut-In(1)
91	831.63	115.77	End Shut-In(1)
91	21.52	115.29	Open To Flow (2)
121	22.52	116.12	Shut-In(2)
182	361.92	117.57	End Shut-In(2)
183	2294.27	118.69	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	SLI OCM <1%oil 99%mud	0.21

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Redland Res. Inc.
6001 NW. 23rd. St.
Oklahoma City, OK 73127

ATTN: Chase Thomas

13-23s-25w Ford,KS
Nuss #13-7
Job Ticket: 49527 DST#: 1
Test Start: 2012.07.24 @ 03:46:59

Tool Information

Drill Pipe:	Length: 4637.00 ft	Diameter: 3.80 inches	Volume: 65.04 bbl	Tool Weight: 2400.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 23000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 65.04 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial 71000.00 lb
Depth to Top Packer:	4648.00 ft			Final 71000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	87.00 ft			
Tool Length:	114.00 ft			
Number of Packers:	2	Diameter: 6.50 inches		

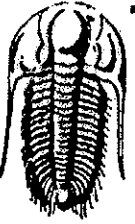
Tool Comments:

Tool Description

Length (ft) Serial No. Position Depth (ft) Accum. Lengths

Shut In Tool	5.00			4626.00	
Hydraulic tool	5.00			4631.00	
Jars	5.00			4636.00	
Safety Joint	2.00			4638.00	
Packer	5.00			4643.00	27.00 Bottom Of Top Packer
Packer	5.00			4648.00	
Stubb	1.00			4649.00	
Perforations	3.00			4652.00	
Recorder	0.00	8790	Inside	4652.00	
Recorder	0.00	8792	Outside	4652.00	
Blank Spacing	66.00			4718.00	
Perforations	14.00			4732.00	
Bullnose	3.00			4735.00	87.00 Bottom Packers & Anchor

Total Tool Length: 114.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Redland Res. Inc.
6001 NW. 23rd. St.
Oklahoma City, OK 73127
ATTN: Chase Thomas

13-23s-25w Ford,KS
Nuss #13-7
Job Ticket: 49527 DST#: 1
Test Start: 2012.07.24 @ 03:46:59

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	2100 ppm
Viscosity: 45.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.18 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2100.00 ppm			
Filter Cake: 0.02 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	SLI OCM <1%oil 99%mud	0.210

Total Length: 15.00 ft Total Volume: 0.210 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: none
 Laboratory Name: Laboratory Location:
 Recovery Comments:

ALLIED OIL & GAS SERVICES, LLC 053710

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:
Great Bend

DATE <u>7-16-12</u>	SEC. <u>13</u>	TWP. <u>23</u>	RANGE <u>25</u>	CALLED OUT	ON LOCATION	JOB START <u>8:00 PM</u>	JOB FINISH <u>8:30 PM</u>
LEASE <u>Nuss</u>	WELL # <u>13-7</u>	LOCATION <u>Setmore lowest 212.5</u>			COUNTY <u>Hodgeman</u>	STATE <u>KS</u>	
OLD OR <input checked="" type="radio"/> NEW (Circle one)			<u>RD South 1-70</u>			<u>1.01</u>	<u>7.45</u>

CONTRACTOR Duke 2 OWNER Redland

TYPE OF JOB Surface

HOLE SIZE 12 1/8 TD 225

CASING SIZE 8 5/8 DEPTH 222

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 20

PERFS.

DISPLACEMENT 12.86 BBls fresh

EQUIPMENT

PUMP TRUCK CEMENTER Wayne 1

366 HELPER Joel 2

BULK TRUCK

482/188 DRIVER John 3

BULK TRUCK

DRIVER

REMARKS:

Pipe on bottom B-cack
Circulation with Rig mud
Run 3 BBls water Ahead
Mix 170SX class A + 3% cc + 2% Gel
Displace BBls fresh water
Shut in Cement did
Circulate
15.5X To Pit

CEMENT AMOUNT ORDERED 170 SX class A
+ 3% cc + 2% Gel

COMMON <u>170</u>	@ <u>16.25</u>	<u>2,762.50</u>
POZMIX	@	
GEL <u>3</u>	@ <u>21.25</u>	<u>63.75</u>
CHLORIDE <u>6</u>	@ <u>58.20</u>	<u>349.20</u>
ASC	@	
	@	
	@	
	@	
	@	
	@	
	@	
HANDLING <u>182.99</u>	@ <u>2.10</u>	<u>384.27</u>
MILEAGE <u>8.37 X 36X</u>	<u>2.35</u>	<u>708.18</u>
		<u>TOTAL 4,267.82</u>

201.31

SERVICE

DEPTH OF JOB <u>222</u>		
PUMP TRUCK CHARGE	<u>1125.00</u>	
EXTRA FOOTAGE	@	
MILEAGE <u>Hum 36</u>	@ <u>7.00</u>	<u>252.00</u>
MANIFOLD	@	
<u>Hum 36</u>	@ <u>4.00</u>	<u>144.00</u>
	@	

TOTAL 1521.00

CHARGE TO: Redland Resources

STREET _____

CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

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

TOTAL _____

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.

SALES TAX (If Any) 236.57

TOTAL CHARGES 5,788.82

DISCOUNT 25% 1,447.26 IF PAID IN 30 DAYS

4,341.56

PRINTED NAME Dion Vasquez

SIGNATURE Dion Vasquez