



MAP EXPLORATION, INC.

MICHAEL ANTHONY POLLOK, PRES.

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GEOLOGICAL REPORT WENDELL 31-6 NW/4 SEC. 31-T30S-R18W KIOWA COUNTY, KANSAS

Summary

The above noted well was drilled to a depth of 5,265 feet on October 29, 2013. A one-man logging unit was on location from 3,800 feet, with one-man logging beginning at 4,100 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, 60 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 5,071 (-2,864) feet. The samples were described as limestone in the upper part of the zone with dolomite below. The limestone was described white, off-white, cream, tan, brown, buff, and gray. Textures were noted as crystalline, fine, medium, and sucrosic while being hard, brittle, and friable. They were earthy and fossiliferous, contained chert, and were glauconitic and dolomitic in part. Good pin-point, inter-crystalline, and fracture porosities were noted. Samples displayed abundant bright fluorescence, brown oil staining, good streaming cuts, and had strong oil odors. The dolomite was described as white, cream, tan, and brown. Textures were noted as very sucrosic while being friable and brittle with a small percentage being hard. Excellent pin-point and inter-crystalline porosities were present with abundant bright fluorescence, good streaming cuts, brown oil staining, and strong oil odors. The gas chromatograph had a continuous reading averaging 85 units through the zone with kicks of 93, 119, and 247 units. The limestone made up the upper 30 feet of the zone with an average cross-plotted porosity of 10% and as high as 19%. The dolomite made up the lower 30 feet of the zone with an average porosity of 9% and as high as 16%.

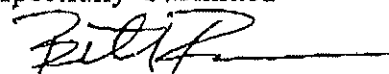
ELECTRIC LOG TOPS

	REDLAND RESOURCES WENDELL 31-6 NW/4 31-T30S-R18W	D.R. LAUCK OIL CO. SMITH E. # 1 SE/4 31-T30S-R18W	PETROLEUM INC. CROWE UNIT #1 NE/4 31-T30S-R18W
BS. HEEBNER (Subsea)	4,256' (-2,049')	4,259' (2,054')	4,282' (-2,095')
T/LANSING (Subsea)	4,421' (-2,214')	4,444' (-2,239')	4,396' (-2,209')
T/STARK (Subsea)	4,716' (-2,509')	4,715'' (-2,510')	4,688' (-2,501')
T/CHEROKBE SH. (Subsea)	5,000' (-2,793')	5,001' (-2,796')	4,979' (-2,792')
T/MISSISSIPPIAN (Subsea)	5,071' (-2,864')	5,068' (-2,863')	5,047' (-2,860')

Conclusion

The Wendell 31-6 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
10/31/2013

ALLIED OIL & GAS SERVICES, LLC 059991

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:
Medicine Lake Kr

DATE <i>10-30-2013</i>	SEC. <i>31</i>	TWP. <i>30S</i>	RANGE <i>18W</i>	CALLED OUT <i>8:30 AM</i>	ON LOCATION <i>10:30 AM</i>	JOB START <i>3:30 PM</i>	JOB FINISH <i>4:30 PM</i>
LEASE <i>Wohlsell</i>		WELL # <i>31-6</i>	LOCATION <i>Coldwater, Kr N to Co Line</i>		COUNTY <i>Comanche</i>	STATE <i>Ks</i>	
OLD OR <input checked="" type="radio"/> NEW (Circle one)			<i>1 1/2", 1/2 n, Clinton</i>				

CONTRACTOR *Duke #7*
 TYPE OF JOB *Production*
 HOLE SIZE *7 7/8* T.D. *5265'*
 CASING SIZE *4 1/2 10.5#* DEPTH *5265'*
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE _____ DEPTH _____
 TOOL _____ DEPTH _____
 PRES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOE JOINT *21*
 CEMENT LEFT IN CSG. _____
 PERFS. _____
 DISPLACEMENT *8 1/2 bbls of Freshwater*

OWNER *Redona Resources*
 CEMENT AMOUNT ORDERED *325 sv class H ASC*
5 # Kolses, + .50% FL160 + 1/4 # Flosses
 COMMON _____ @ _____
 POZMIX _____ @ _____
 GEL _____ @ _____
 CHLORIDE _____ @ _____
 ASC class H *325 sv* @ *23.40* *7605.00*
 Flosses *50 #* @ *2.97* *243.50*
 FL-160 *153 #* @ *18.90* *2897.70*
 Kolses *1625 #* @ *.98* *1592.50*
 HANDLING *423.34 fr 3* @ *2.44* *1050.00*
 MILEAGE *18.23 hrs 50* @ *2.60* *2370.42*
 TOTAL *15753.12*

EQUIPMENT
 PUMP TRUCK CEMENTER *Derin F.*
#548-545 HELPER *Jake H.*
 BULK TRUCK
#356-250 DRIVER *Carl R.*
 BULK TRUCK
 # _____ DRIVER _____

REMARKS:

*Pipe on bottom & broke circulation, mix
 50sv for Rgt & mouse holes, mix 50sv
 SC dispenser cement, mix 225sv of cement
 Shut down, wash pump & lines, Release pipe
 string displacement, 1.8 ft pressure at 50 bbls
 slow rate to 3 bpm at 70 bbls, bump pres
 9+ 8 1/2 bbls 1200-1900 psi, Floss
 die hole*

SERVICE

DEPTH OF JOB *5265'*
 PUMP TRUCK CHARGE *3044.25*
 EXTRA FOOTAGE _____ @ _____
 MILEAGE *50* @ *7.70* *385.00*
 MANIFOLD *Hess rents 1* @ *275.00*
light vehicle 50 @ *4.40* *220.00*

CHARGE TO: *Redona Resources*
 STREET _____
 CITY _____ STATE _____ ZIP _____

TOTAL *3979.25*

PLUG & FLOAT EQUIPMENT

4 1/2
 1- AFU Float Shoe @ *196.25*
 1- Latch Down Plug Assy @ *400.00*
 6- Turbellers @ *46.10* *279.00*

TOTAL *875.25*

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) _____
 TOTAL CHARGES *20607.42*

PRINTED NAME *x* *Alan Watson*
 SIGNATURE *x* *Alan Watson*

DISCOUNT _____ IF PAID IN 30 DAYS
Net 16661.12

Thsnr ka!!!

ALLIED OIL & GAS SERVICES, LLC. 059596

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:
Medicine Lodge, KS.

DATE <i>10/23/13</i>	SEC. <i>31</i>	TWP. <i>30s</i>	RANGE <i>18.w</i>	CALLED OUT <i>5:00 AM</i>	ON LOCATION <i>7:00 AM</i>	JOB START <i>9:55 AM</i>	JOB FINISH <i>10:15 AM</i>
LEASE <i>Wendell</i>	WELL.#. <i>31-6</i>	LOCATION <i>Coldwater, KS, North</i>			COUNTY <i>Kiowa</i>	STATE <i>KS.</i>	
OLD OR NEW (Circle one) <u>NEW</u>				<i>to Co. line, 1w, 1/2 N, E/S</i>			

CONTRACTOR *Duke #7*
 TYPE OF JOB *Surface*
 HOLE SIZE *17 1/2* I.D.
 CASING SIZE *13 3/8 x 48* DEPTH *290.04*
 TUBING SIZE *8 3/8 LT 17* DEPTH
 DRILL PIPE DEPTH
 TOOL DEPTH
 PRES. MAX *400* MINIMUM
 MEAS. LINE SHOE JOINT *X*
 CEMENT LEFT IN CSG. *20'*
 PERFS.
 DISPLACEMENT *43. Bbls freshwater*

OWNER *Redland Resources*
 CEMENT AMOUNT ORDERED
300 ex Class A + 3 1/2 c + 2 1/2 gal

EQUIPMENT
 PUMP TRUCK CEMENTER *Carl Bolding*
 # *471-265* HELPER *Ron Gilley*
 BULK TRUCK
 # *364* DRIVER *Justin Bower*
 BULK TRUCK
 # DRIVER

COMMON <i>A</i>	<i>300</i> SK @ <i>17.90</i>	<i>5370.00</i>
POZMIX	@	
GEL	<i>6</i> SK @ <i>23.40</i>	<i>140.40</i>
CHLORIDE	<i>11</i> SK @ <i>64.00</i>	<i>704.00</i>
ASC	@	
	@	
	@	
	@	
	@	
	@	
	@	
HANDLING	<i>324.34</i> @ <i>2.48</i>	<i>804.36</i>
MILEAGE	<i>14.805</i> / <i>50</i> / <i>2.60</i>	<i>1924.65</i>
TOTAL		<i>8943.41</i>

REMARKS:
*Run 290' 13 3/8 with a 17' 8 3/8
 landing joint, Break circulation w/ Pig
 Pressure test lines to 1000 psi
 Start 3 Bbls Fresh, mix + pump 300 SK
 Class A + 3 1/2 c + 2 1/2 gal, switch to Displace
 pump 43. Bbls, + shut in casing.
 Cement did circulate
 62 SK to Pit*

CHARGE TO: *Redland Resources*
 STREET _____
 CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB	<i>190'</i>	
PUMP TRUCK CHARGE	<i>1512.25</i>	
EXTRA FOOTAGE	@	
MILEAGE	<i>50</i> @ <i>7.70</i>	<i>385.00</i>
MANIFOLD	@	
<i>LU 50</i>	@ <i>4.40</i>	<i>220.00</i>
	@	
TOTAL		<i>2117.25</i>

PLUG & FLOAT EQUIPMENT

<i>X</i>	@	
	@	
	@	
	@	
	@	
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.

PRINTED NAME _____
 SIGNATURE *Ally Watson*

SALES TAX (If Any) _____
 TOTAL CHARGES *11,060.66*
 DISCOUNT _____ IF PAID IN 30 DAYS
NET - 8848.52

ALLIED OIL & GAS SERVICES, LLC 059834

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:
Medicine Lodge, KS

DATE <i>10-25-13</i>	SEC. <i>31</i>	TWP. <i>30s</i>	RANGE <i>18w</i>	CALLED OUT <i>7:00 Am</i>	ON LOCATION <i>12:00 Noon</i>	JOB START <i>2:45 pm</i>	JOB FINISH <i>4:00 pm</i>
LEASE <i>Wendell</i>	WELL # <i>31-6</i>	LOCATION <i>Cold water 1/2 mi to Co. line, 1/2 mi</i>			COUNTY <i>kiowa</i>	STATE <i>KS</i>	
OLD OR NEW (Circle one)			<i>e/into</i>				

CONTRACTOR *Duke #7*
 TYPE OF JOB *Intermediate*
 HOLE SIZE *12 1/4"* T.D. *1025'*
 CASING SIZE *8 5/8"* 24" DEPTH *1025'*
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE _____ DEPTH _____
 TOOL _____ DEPTH _____
 PRES. MAX *test 2000'* MINIMUM _____
 MEAS. LINE _____ SHOE JOINT *41:77*
 CEMENT LEFT IN CSG. *42'*
 PERFS. _____
 DISPLACEMENT *6 2 1/4 Bbls Fresh HD*

OWNER *Redland Res.*
 CEMENT AMOUNT ORDERED *190* 5X class A + 3% acc. + 2% gel
 COMMON *class A 190 sx @ 17.90* 3401.00
 POZMIX _____ @ _____
 GEL *4 sx @ 23.40* 93.60
 CHLORIDE *7 sx @ 64.00* 448.00
 ASC _____ @ _____
 HANDLING *205.5 cu ft @ 2.48* 509.64
 MILEAGE *9.58 @ 50 @ 2.60* 1219.80
 TOTAL *5671.44*

EQUIPMENT
 PUMP TRUCK CEMENTER *D. Felio*
 # *360-302* HELPER *R. Willey*
 BULK TRUCK
 # *391-252* DRIVER *C. Rackley*
 BULK TRUCK
 # _____ DRIVER _____

REMARKS:
*Pipe on Bit, Pump Pipe Capacity, Pressure Test, Pump
 Spacers, Mix 150sx A-342 cement, Stop-Release Plug, wash-up
 on Plug, Start Disp. w/ Fresh HD, See increase in
 PST, Slow Rate, Backup Plug, Shut-in,
 top off 8 5/8 x 13 3/8 w/ 40sx
 THX*

SERVICE
 DEPTH OF JOB *1018'*
 PUMP TRUCK CHARGE _____ 2058.50
 EXTRA FOOTAGE _____ @ _____
 MILEAGE *50 @ 7.70* 385.00
 MANIFOLD *land rental @ 275.00*
light vehicle 50 @ 4.40 220.00
 TOTAL *2938.50*

CHARGE TO: *Redland Res.*
 STREET _____
 CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT
 1- TRP _____ @ _____ 76.25
 1- Baffle Plate _____ @ _____ 67.50
 1- Blue Basket _____ @ _____ 220.00
 TOTAL *363.75*

To: Allied Oil & Gas Services, LLC.
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SALES TAX (If Any) _____
 TOTAL CHARGES *8610.44* 8973.89
 DISCOUNT _____ IF PAID IN 30 DAYS
net 7251.90

PRINTED NAME _____
 SIGNATURE *Alan Watson*