

**KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE**

Form ACO-1
September 1999
Form Must Be Typed

ORIGINAL

Operator: License # 32204
 Name: REDLAND RESOURCES, INC.
 Address: 6001 NW 23RD STREET
 City/State/Zip: OKLAHOMA CITY, OK 73127
 Purchaser: WESTERN GAS - PLAINS MARKETING
 Operator Contact Person: ALAN THROWER
 Phone: (405) 789-7104
 Contractor: Name: DUKE DRILLING
 License: 5929
 Wellsite Geologist: MIKE POLLOK
 Designate Type of Completion:
 New Well Re-Entry Workover
 Oil SWD SLOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, 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./SWD
 Plug Back _____ Plug Back Total Depth _____
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Enhr.?) Docket No. _____

<u>01/05/02</u>	<u>01/15/02</u>	<u>02/26/02</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 033 21292 0000
 County: COMANCHE
 _____ Sec. 12 Twp. 35 S. R. 16 East West
1000 feet from S N (circle one) Line of Section
1320 feet from E W (circle one) Line of Section
 Footages Calculated from Nearest Outside Section Corner:
 (circle one) NE (SE) NW SW
 Lease Name: MICHAEL Well #: 12-16
 Field Name: AETNA GAS AREA
 Producing Formation: MISSISSIPPIAN
 Elevation: Ground: 1835 Kelly Bushing: 1847
 Total Depth: 5830 Plug Back Total Depth: 5392' KB
 Amount of Surface Pipe Set and Cemented at 287' 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 ALL 1 ENH 6-24-02
 (Data must be collected from the Reserve Pit)
 Chloride content 5000 ppm Fluid volume 780 bbls
 Dewatering method used TRUCK HAULING
 Location of fluid disposal if hauled offsite:
 Operator Name: OIL PRODUCERS
 Lease Name: MAY #13-3 License No.: 8061
 Quarter NW Sec. 13 Twp. 35 S. R. 16 East West
 County: COMANCHE Docket No.: D-27726

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

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.

Signature: Alan Thrower
 Title: VICE PRESIDENT Date: 5/28/02
 Subscribed and sworn to before me this 28th day of MAY,
2002.
 Notary Public: [Signature]
 Date Commission Expires: 6-21-04

KCC Office Use ONLY

NO Letter of Confidentiality Attached
 If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution

IOG

X

Operator Name: REDLAND RESOURCES, INC. Lease Name: MICHAEL Well #: 12-16
 Sec: 12 Twp: 35 R: 16 East West County: COMANCHE

INSTRUCTIONS: Show important tops and base 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. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (Attach Additional Sheets) Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Submit Copy) List All E. Logs Run: DUAL INDUCTION COMPENSATED NEUTRON DENSITY MICROLOG	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Log Name</th> <th style="text-align: left;">Formation (Top), Depth and Datum</th> <th style="text-align: left;">Sample</th> </tr> <tr> <th></th> <th style="text-align: center;">Top</th> <th style="text-align: center;">Datum</th> </tr> </thead> <tbody> <tr> <td>Chase</td> <td style="text-align: center;">2441</td> <td style="text-align: center;">-594</td> </tr> <tr> <td>Top Penn</td> <td style="text-align: center;">3363</td> <td style="text-align: center;">-1516</td> </tr> <tr> <td>Base Heebner</td> <td style="text-align: center;">4339</td> <td style="text-align: center;">-2492</td> </tr> <tr> <td>Lansing</td> <td style="text-align: center;">4544</td> <td style="text-align: center;">-2697</td> </tr> <tr> <td>Stark Shale</td> <td style="text-align: center;">4950</td> <td style="text-align: center;">-3103</td> </tr> <tr> <td>Cherokee SH</td> <td style="text-align: center;">5197</td> <td style="text-align: center;">-3350</td> </tr> <tr> <td>Miss Detrital</td> <td style="text-align: center;">5246</td> <td style="text-align: center;">-3398</td> </tr> <tr> <td>Miss Unconformity</td> <td style="text-align: center;">5274</td> <td style="text-align: center;">-3427</td> </tr> <tr> <td>Viola</td> <td style="text-align: center;">5736</td> <td style="text-align: center;">-3889</td> </tr> </tbody> </table>	Log Name	Formation (Top), Depth and Datum	Sample		Top	Datum	Chase	2441	-594	Top Penn	3363	-1516	Base Heebner	4339	-2492	Lansing	4544	-2697	Stark Shale	4950	-3103	Cherokee SH	5197	-3350	Miss Detrital	5246	-3398	Miss Unconformity	5274	-3427	Viola	5736	-3889
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CASING RECORD New 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
SURFACE	14.75"	10.75"	32#	287'	POZMIX	225	2%GEL/3%CC
PRODUCTION	7.875"	4.5"	10.5#	5463'KB	ASC	225	5#KOLSEAL

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				

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
4	5298-5326 & 5260-90 & 5246-56	ACID- 2500 GAL 15% NEFE ACID	
		FRAC-61000 GAL N2 FOAM AND	
		68,000# 16/30 BRADY SAND	

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2.375"	5137'		Yes No
Date of First, Resumed Production, SWD or Enhr.		Producing Method		
03/21/02		Flowing <input checked="" type="checkbox"/> Pumping Gas Lift Other (Explain)		
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity
	5	50	5	

Disposition of Gas **METHOD OF COMPLETION** Production Interval

Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled
 (If vented, Submit ACO-18.) Other (Specify) _____

ORIGINAL



MAP EXPLORATION, INC.

MICHAEL ANTHONY POLLOK, PRES.

P.O. BOX 106 ■ PURCELL, OKLAHOMA 73030
 OFFICE 405/527-6038 ■ HOME 405/527-5200 ■ MOBILE 405/823-4493 ■ FAX 405/527-7629
 ■ E-MAIL: mapexpl@aol.com

RECEIVED

MAY 30 2002

KCC WICHITA

GEOLOGICAL REPORT
MICHAEL 12-16
SE/4 SECTION 12 - T35S - R16W
COMANCHE COUNTY, KANSAS

SUMMARY

The above captioned well was drilled to a total depth of 5,830 feet on January 15, 2001. A one-man mud-logging unit was on location from 2,000 feet to TD, with samples being analyzed from 4,000 feet to TD. The well was under the geological supervision of the undersigned from approximately 4,900 feet to TD. At TD, Reeves wire-line logs were run that consisted of Dual induction, Compensated Neutron - density and Micro-log. From data collected while drilling and analyzing, hydrocarbon shows were encountered in the Mississippian Detrital and Mississippian Dolomite zones. The decision was made to set production casing and attempt completion.

MISSISSIPPIAN

The Mississippian Detrital was topped at 5,246 (-3398) feet. This zone was a total of 28 feet thick, with best porosity being 22%, along with 16 feet of positive micro-log separation. A 102-unit gas kick was recorded through this zone, which is described as a light tan to brown, very fine to fine crystalline dolomitic conglomerate. Cherts and multicolored shales were also observed through this zone, along with a dull yellow fluorescence, good streaming out, trace of live oil staining and slight odor.

The top of the Mississippian Unconformity was recorded at 5,274 (-3427) feet. Samples were described as off-white to cream tan, very fine to fine crystalline sucrosic dolomite, with fair intercrystalline, pinpoint and vugular porosity. A bright yellow fluorescence along with good streaming out; live oil staining and strong odor was reported through a 90-unit gas kick. Electric logs indicate a 9-foot zone of 18% porosity, with positive micro-log separation throughout that calculates productive. This dolomite package would be equivalent to the producing dolomite in the Miller 18-3 only the porosity and permeability seem to be enhanced.

A lower dolomite package was encountered from 5,298 - 5,316, which is equivalent to the Spicer 7-15 interval. Samples were described as same as above with an 88-unit gas kick and porosity averaging 10%.

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MAY 30 2002

KCC WICHITA

ELECTRIC LOG TOPS

	REDLAND MICHAEL 12-16 N/2 S/2 SE/4 12-T35S-R16W	SPRING BROWNBACK SW/4 SW/4 7-T35S-R15W	REDLAND MILLER 18-3 NE/4 NW/4 18-T35S-R15W
CHASE (subsea)	2441 (-594)	2424 (-598)	2412 (590)
TOP PENN. (subsea)	3363 (-1516)	3380 (-1554)	3355 (-1533)
BS. HEEBNER (subsea)	4339 (-2492)	4320 (-2494)	4318 (-2496)
LANSING (subsea)	4544 (-2697)	4508 (-2682)	4516 (-2694)
STARK SHALE (subsea)	4950 (-3103)	4955 (-3129)	4942 (-3120)
CHEROKEE SH. (subsea)	5197 (-3350)	5190 (-3364)	5184 (-3362)
MISS DETRITAL (subsea)	5246 (-3398)	5242 (-3416)	5233 (-3411)
MISS UNCONFORM. (subsea)	5274 (-3427)	5264 (-3438)	5218 (-3422)
VIOLA	5736 (-3889)	NDE	NDE

VIOLA

The Michael 12-16 was structurally running slightly counter-regional at the Cherokee and Mississippian intervals. American Warrior (a Kansas Operator) had just made an Ordovician discovery in the E/2 of section 3 T34S - R16W, which is located northwest of our well. A drill stem test reportedly recovered 3.7 MMCFGPD. Due to our structural position and lack of nearby control, we decided to take the Michael 12-16 to the Viola. Samples were described as white to off-white very fine to fine crystalline limestone which is slightly dolomitic. A dull yellow mineral fluorescence along with a cloudy cut was recorded. The Viola section was overall very "tight".

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MAY 30 2002

KCC WICHITA

CONCLUSION

The Michael 12-16 was drilled as a western extension to existing production. Samples and electric logs indicate a total of 63 feet of zone with approximately 25 feet of micro-log separation indicating good permeability. From drill time, sample examination, and electric logs; this well should be one of the better wells in the area.

After all data was analyzed, the decision was made to set pipe and attempt completion in the above mentioned zones. I recommend perforations as follows: 5,248-5,313 & 5,298-5,326.

Respectfully submitted



Mike Pollok
Petroleum Geologist
1/22/02

ALLIED CEMENTING CO., INC.

08923

Federal Tax I.D.# 48-0727860

ORIGINAL

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

SERVICE POINT

Medicine H.D.G.

DATE <u>1-6-02</u>	SEC. <u>12</u>	TWP. <u>35S</u>	RANGE <u>16W</u>	CALLED OUT <u>11:00 P.M.</u>	ON LOCATION <u>1:30 A.M.</u>	JOB START <u>4:50 A.M.</u>	JOB FINISH <u>5:10 A.M.</u>
LEASE <u>Michael</u>		WELL # <u>12-16</u>		LOCATION <u>May Ranch in Winto</u>		COUNTY <u>Cornache</u>	STATE <u>Ks</u>
OLD OR <input checked="" type="radio"/> NEW (Circle one)							

CONTRACTOR Duke #5

TYPE OF JOB Surface ✓

HOLE SIZE 14 3/4 T.D. 300

CASING SIZE 10 3/4 DEPTH 300

TUBING SIZE _____ DEPTH _____

DRILL PIPE 4 1/2 DEPTH 300

TOOL _____ DEPTH _____

PRES. MAX 200 MINIMUM 50

MEAS. LINE _____ SHOE JOINT 10 FT

CEMENT LEFT IN CSG. 10 FT

PERFS. _____

DISPLACEMENT Fresh H₂O 29 BBLs

OWNER Redlands Resources

CEMENT
AMOUNT ORDERED 225sx60'40'2ft
3%cc

COMMON	<u>135</u>	@ <u>6.65</u>	<u>897.75</u>
POZMIX	<u>90</u>	@ <u>3.55</u>	<u>319.50</u>
GEL	<u>4</u>	@ <u>10.00</u>	<u>40.00</u>
CHLORIDE	<u>7</u>	@ <u>30.00</u>	<u>210.00</u>
_____	_____	@ _____	_____
_____	_____	@ _____	_____
_____	_____	@ _____	_____
_____	_____	@ _____	_____
_____	_____	@ _____	_____
HANDLING	<u>236</u>	@ <u>1.10</u>	<u>259.60</u>
MILEAGE	<u>236 x 45</u>	@ <u>.04</u>	<u>424.80</u>

EQUIPMENT

PUMP TRUCK CEMENTER David W.

302 HELPER Owayne W.

BULK TRUCK

364 DRIVER E.P.C. B.

BULK TRUCK

_____ DRIVER _____

RECEIVED TOTAL 2151.65

MAY 30 2002

REMARKS:

KCC WICHITA SERVICE

Pipe on Bottom Break Circ

Pump 225sx60'40'2+3%cc

Displace w/Fresh H₂O

shut in

Cement Did Circ ✓

DEPTH OF JOB	<u>300</u>		
PUMP TRUCK CHARGE			<u>520.00</u>
EXTRA FOOTAGE		@ _____	_____
MILEAGE	<u>45</u>	@ <u>3.00</u>	<u>135.00</u>
PLUG <u>Wooden 10 3/4"</u>		@ <u>55.00</u>	<u>55.00</u>
_____	_____	@ _____	_____
_____	_____	@ _____	_____

TOTAL 710.00

CHARGE TO: Redlands Resources

STREET 6001 NW 23RD

CITY OKLA. CITY STATE OKLA. ZIP 73127

FLOAT EQUIPMENT

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

TOTAL _____

To Allied Cementing Co., Inc.
You are hereby requested to rent cementing equipment and furnish cementer and helper 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 & understand the "TERMS AND CONDITIONS" listed on the reverse side.

TAX _____

TOTAL CHARGE 2861.65

DISCOUNT 286.17 IF PAID IN 30 DAYS
\$2575.48

SIGNATURE X [Signature]

X Joe Livingston
PRINTED NAME

ALLIED CEMENTING CO., INC.

08938

Federal Tax I.D.# 48-0727860

ORIGINAL

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

SERVICE POINT:
Medicine Lodge

DATE <u>1-16-02</u>	SEC. <u>12</u>	TWP. <u>35</u>	RANGE <u>16w</u>	CALLED OUT <u>8:00 pm</u>	ON LOCATION <u>10:00 pm</u>	JOB START <u>3:10 Am</u>	JOB FINISH <u>4:00 Am</u>
LEASE <u>Michaels</u>	WELL # <u>12-16</u>	LOCATION <u>May Ranch 1w 1s</u>	COUNTY <u>Comanche</u>	STATE <u>KS</u>			
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR Duke #5 OWNER Redlands Resources

TYPE OF JOB Production

HOLE SIZE 7 7/8 T.D. 5830' CEMENT AMOUNT ORDERED 25 sx 60:40:6

CASING SIZE 4 1/2 x 10.5 DEPTH 1869.56 54676 225 sx Class H ASC + 5% Kol-seal + .5% FL-10

TUBING SIZE 11.6 DEPTH 3597.20 250 Gal Mud-clean 250 Gals Mud-clean C

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX 1800 MINIMUM 100

MEAS. LINE SHOE JOINT 42.50

CEMENT LEFT IN CSG. 42.50

PERFS.

DISPLACEMENT 83 3/4 Bbls Freshwater

EQUIPMENT

PUMP TRUCK CEMENTER Carl Balding

360-302 HELPER Dwayne + Dave West

BULK TRUCK

353 DRIVER Chris Lungsford

BULK TRUCK

DRIVER

COMMON 15 @ 6.65 99.75

POZMIX 10 @ 3.55 35.50

GEL 1 @ 10.00 10.00

CHLORIDE @

"H" ASC 225 @ 10.05 2261.25

KOL-SEAL 1125# @ .50 562.50

FL-10 106# @ 8.00 848.00

MUD CLEAN C 250 @ 1.00 250.00

MUD CLEAN 250 @ .75 187.50

HANDLING 314 @ 1.10 345.40

MILEAGE 314 x .15 .04 565.20

RECEIVED

TOTAL 5165.10

MAY 30 2002

5165.10

KCC WICHITA SERVICE

REMARKS:

Run casing, Drop ball + Break circulation.
Pump 250 Gal mud-clean + 250 Gal mud-clean C.
Plug Rat + mouse Hole w/25 sx 60:40:6
Mix + pump 225 sx class H ASC + 5% Kol-seal + .5% FL-10
Cement in, stop pumps, wash out + pump + lines.
Release plug + Displace with 83 3/4 Bbls Freshwater
Bump plug, Release pressure Float Held.

DEPTH OF JOB 5466

PUMP TRUCK CHARGE 1340.00

EXTRA FOOTAGE @

MILEAGE 45 @ 3.00 135.00

PLUG @

@

@

TOTAL 1475.00

CHARGE TO: Redlands Resources

STREET 6001 NW 23RD ST

CITY OKLA CITY STATE OKLA ZIP 73127

FLOAT EQUIPMENT

1-AFU float shoe @ 200.00 200.00

1-Latch Down plug @ 300.00 300.00

6-Centralizers @ 45.00 270.00

@

@

TOTAL 570.00

770.00

To Allied Cementing Co., Inc.

You are hereby requested to rent cementing equipment and furnish cementer and helper 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 & understand the "TERMS AND CONDITIONS" listed on the reverse side.

SIGNATURE David Whitley

TAX

TOTAL CHARGE 721.90

DISCOUNT 721.19 IF PAID IN 30 DAYS

DAVID WHITLEY

PRINTED NAME