

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1
September 1999
Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

Operator: License # 33240
Name: Wolverine Environmental Production, LLC
Address: 1 Riverfront Plaza, 55 Campau NW
City/State/Zip: Grand Rapids, MI 49503
Purchaser: to be determined

Operator Contact Person: Richard Moritz
Phone: (616) 458-1150 ext 119

Contractor: Name: McGown Drilling, Inc
License: 5786

Wellsite Geologist: Chris Ryan

Designate Type of Completion:
 New Well Re-Entry Workover
 Oil SWD SIOW Temp Well
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-entry: Old Well Info as follows: **CONFIDENTIAL**

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>6/16/03</u>	<u>6/19/03</u>	<u>7/19/03</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 111-20418-0000

County: Lyon

E2 NE SE Sec. 26 Twp. 17 S. R. 12 East West

2010 FSL feet from (S) N (circle one) Line of Section

400 FEL feet from (E) W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:

(circle one) NE (SE) NW SW

Lease Name: Whittington Well #: C4-26

Field Name: Wildcat

Producing Formation: Cherokee (VSh, Neutral, Bw, Cw, Dw)

Elevation: Ground: 1172 Kelly Bushing: NA

Total Depth: 2142 Plug Back Total Depth: 2100

Amount of Surface Pipe Set and Cemented at 101 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 ALT ? DPW
(Data must be collected from the Reserve Pit) 11-4-04

Chloride content 800 ppm Fluid volume 1300 bbls

Dewatering method used evaporation

Location of fluid disposal if hauled offsite: _____

Operator Name: **RELEASED**

Lease Name: _____ License No.: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Docket No.: _____

FROM CONFIDENTIAL

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.

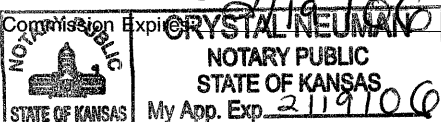
Signature: Steven R. Hach EXACT Engineering

Title: Agent-Consultant Date: October 14, 2003

Subscribed and sworn to before me this 20th day of October, 2003.

Notary Public: Crystal Neuman

Date Commission Expires: 2/19/06



KCC Office Use ONLY

Letter of Confidentiality Attached

If Denied, Yes Date: _____

Wireline Log Received

Geologist Report Received

UIC Distribution

ORIGINAL

Operator Name: Wolverine Environmental Production, LLC Lease Name: Whittington Well #: C4-26
 Sec. 26 Twp. 17 S. R. 12 East West County: Lyon

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 Yes No
 (Attach Additional Sheets)

Samples Sent to Geological Survey Yes No

Cores Taken Yes No

Electric Log Run Yes No
 (Submit Copy)

List All E. Logs Run:

Spectral Density-Neutron; HR Ind; Spectral GR

<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Name	Top	Datum
Base KC	1384	GL
Cherokee	1654	GL
Mississippi	2036	GL

CASING RECORD <input checked="" 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	# Sacs Used	Type and Percent Additives
Surface	12.25	8.625	23 M50	101	Portland "A"	50	3%cc,2%gel,1/4 floseal
Production	7.875	5.500	15.5 J55	2140	"OWC" Thix	110	1/4 floseal

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				RELEASED NOV 04 2004

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type		Acid, Fracture, Shot, Cement Squeeze Record		Depth
	Specify Footage of Each Interval Perforated		(Amount and Kind of Material Used)		
4 jpf - 5 holes	V Shale	1750.5 - 1751.5	none	KCC	
4 jpf - 5 holes	Neutral	1956.5 - 1957.5	none	OCT 14 2003	
4 jpf - 5 holes	Bw	1984.5 - 1985.5	none	CONFIDENTIAL	
4 jpf - 5 holes	Cw	1993.0 - 1994.0	none		
4 jpf - 5 holes	Dw	1998.5 - 1999.5	none		

TUBING RECORD		Size	Set At	Packer At	Liner Run
		2.375	2088	none	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr.			Producing Method		
7/19/03 (swab)			<input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input checked="" type="checkbox"/> Other (Explain)		
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	0	0	.75		

Disposition of Gas Vented Sold Used on Lease (If vented, Submit ACO-18.)

METHOD OF COMPLETION Open Hole Perf. Dually Comp. Commingled Other (Specify)

Production Interval

EXACT Engineering, Inc.

www.exactengineering.com

415 S. Boston Ave., Suite 734, Tulsa, OK 74103 • (918) 599-9400 • (918) 599-9401 (fax)

Steven R. Hash, P.E.
Registered Professional Engineer
stevehash@exactengineering.com

RELEASED

NOV 04 2004

RECEIVED

October 14, 2003

FROM CONFIDENTIAL OCT 21 2003

KCC WICHITA

Kansas Corporation Commission
130 S. Market – Room 2078
Wichita, KS 67202

KCC
OCT 14 2003

*Conf GRANTED
OCT 14th, 2003*

*Released
11-4-04
Dpw.*

Re: CONFIDENTIALITY REQUEST
Well Completion Form (ACO-1) and Attachments
Wolverine Environmental Production, LLC
Whittington C4-26 well, Sec 26 T17S R12E, Lyon County, KS
API No. 111-20418-0000

CONFIDENTIAL

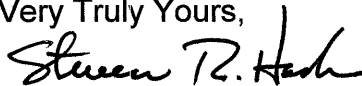
Gentlemen,

Please find enclosed one original and two copies of KCC form ACO-1 for the subject well (due date October 14, 2003) with cementing records attached. Also enclosed is one complete set of electric logs and the geologist mud log report.

In accordance with KCC Rule 82-3-107, WE HEREBY REQUEST THAT THIS INFORMATION REMAIN CONFIDENTIAL FOR A PERIOD OF ONE (1) YEAR. We understand that, if requested in writing within 30 days of the expiration of this one-year confidentiality period, one additional year of confidentiality may be granted.

Please contact me at (918) 599-9400 or the Operator, Wolverine Environmental Production, LLC, directly at (616) 458-1150 if there are any questions. Thank you for your cooperation.

Very Truly Yours,



Steven R. Hash, P.E.
Agent for Wolverine Environmental Production, LLC

Enclosures

Xc: Wolverine Environmental Production, LLC
1 Riverfront Plaza, 55 Campau NW
Grand Rapids, MI 49503

Petroleum Engineering Consulting, Personnel & Jobsite Supervision
complete well design, construction & management, drilling, completion, production, pipelines, appraisals,
due diligence, acquisitions, procedures, temporary personnel and field supervision



CONSOLIDATED
OIL WELL
SERVICES
AN INFINITY COMPANY

211 W. 14TH STREET, CHANUTE, KS 66720
620-431-9210 OR 800-467-8676

RECEIVED
OCT 21 2003
KCC WICHITA

ORIGINAL

TICKET NUMBER 19333

LOCATION Jim Green

FIELD TICKET

151120418000

DATE	CUSTOMER ACCT #	WELL NAME	QTR/QTR	SECTION	TWP	RGE	COUNTY	FORMATION
6-16-03		Whittington C4-26 NESE	26	17S	12E	LY		
CHARGE TO	Wolverine Environmental			OWNER				
MAILING ADDRESS	One River Front Plaza 55 Campau NW			OPERATOR	Steve Hash			
CITY & STATE	Grand Rapids, MI 49503-2625			CONTRACTOR	McGraw Drilling			

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION OF SERVICES OR PRODUCT	UNIT PRICE	TOTAL AMOUNT
5401	One	PUMP CHARGE Cement One Surface		525. ⁰⁰
5402		Casing footage		N/C
1102	4 SKS	Calcium Chloride	KCC OCT 14 2003	136. ⁰⁰
1107	1 SKS	F10-Seal	CONFIDENTIAL	37. ⁷⁵
1118	2 SKS	Premium Gel		23. ⁸⁰
		8 5/8 csg	38.55 39.15 38.45 116.15 15.00 cut 50	
5407	55	BLENDING & HANDLING TON-MILES	101.15	209. ⁰⁰
		STAND BY TIME		
		MILEAGE		
		WATER TRANSPORTS		
		VACUUM TRUCKS	OWN H2O	N/C
		FRAC SAND		
1104	65 SKS	CEMENT Class A		533. ⁰⁰
			6.8% SALES TAX	49.66

Ravin 2790

ESTIMATED TOTAL 1514.01

CUSTOMER or AGENTS SIGNATURE [Signature] CIS FOREMAN Jim Green

CUSTOMER or AGENT (PLEASE PRINT) _____ DATE 6-16-03

RECEIVED

ORIGINAL

OCT 21 2003

KCC WICHITA

CONSOLIDATED OIL WELL SERVICES, INC.
211 W. 14TH STREET, CHANUTE, KS 66720
620-431-9210 OR 800-467-8676

TICKET NUMBER 23095

LOCATION *Ottawa Kc*

FOREMAN *Jim Green*

TREATMENT REPORT

15111 20480000

DATE	CUSTOMER ACCT #	WELL NAME	QTR/QTR	SECTION	TWP	RGE	COUNTY	FORMATION
6-16-03		Whittington C4-26	NESE	26	17S	12E	LY	
CHARGE TO: <i>Wolverine Environmental</i>				OWNER				
MAILING ADDRESS: <i>One River Front Plaza</i>				OPERATOR: <i>Steve Nash</i>				
CITY: <i>Grand Rapids</i>				CONTRACTOR: <i>McCormac Drilling</i>				
STATE: <i>MI</i>				DISTANCE TO LOCATION: <i>55</i>				
ZIP CODE: <i>49503-2616</i>								
TIME ARRIVED ON LOCATION: <i>11:00 AM</i>				TIME LEFT LOCATION: <i>12:30 PM</i>				

WELL DATA	
HOLE SIZE	<i>12 1/4</i>
TOTAL DEPTH	<i>104</i>
CASING SIZE	<i>8 5/8</i>
CASING DEPTH	<i>101.5</i>
CASING WEIGHT	
CASING CONDITION	
TUBING SIZE	
TUBING DEPTH	
TUBING WEIGHT	
TUBING CONDITION	
PACKER DEPTH	
PERFORATIONS	
SHOTS/FT	
OPEN HOLE	
TREATMENT VIA	

TYPE OF TREATMENT	
<input checked="" type="checkbox"/> SURFACE PIPE	<input type="checkbox"/> ACID BREAKDOWN
<input type="checkbox"/> PRODUCTION CASING	<input type="checkbox"/> ACID STIMULATION
<input type="checkbox"/> SQUEEZE CEMENT	<input type="checkbox"/> ACID SPOTTING
<input type="checkbox"/> PLUG & ABANDON	<input type="checkbox"/> FRAC
<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> FRAC + NITROGEN
<input type="checkbox"/> MISC PUMP	<input type="checkbox"/> FOAM FRAC
<input type="checkbox"/> OTHER	<input type="checkbox"/> NITROGEN

PRESSURE LIMITATIONS	
SURFACE PIPE	THEORETICAL RELEASED INSTRUCTED
ANNULUS LONG STRING	
TUBING	

INSTRUCTION PRIOR TO JOB: *Cement One Surface* FROM CONFIDENTIAL

389 PV 16, 368 PTBZ, 122 BT LR

JOB SUMMARY

DESCRIPTION OF JOB EVENTS: *Establish circulation, Pump 2 bbls Dye Marker, Followed with 68 sks Class A cement, with 3% Calcium Chloride 2% Gel, 1/4" F10-Seal, Mixed cement at 14.7" PPG at a 1.35 yield. Displaced 85% with 5 bbls clean water, Circulating 4 bbls return cement to surface, Close valve at 12:00 PM (NOON)*

KCC

OCT 14 2003

PRESSURE SUMMARY	
BREAKDOWN or CIRCULATING	psi
FINAL DISPLACEMENT	psi
ANNULUS	psi
MAXIMUM	psi
MINIMUM	psi
AVERAGE	psi
ISIP	psi
5 MIN SIP	psi
15 MIN SIP	psi

TREATMENT RATE	
BREAKDOWN BPM	CONFIDENTIAL
INITIAL BPM	
FINAL BPM	
MINIMUM BPM	
MAXIMUM BPM	
AVERAGE BPM	

AUTHORIZATION TO PROCEED: *[Signature]* TITLE: _____ DATE: *6-16-03*

ALL THE TERMS AND CONDITIONS STATED ON THE REVERSE SIDE ARE INCORPORATED AS PART OF THIS SALE.



CONSOLIDATED
OIL WELL
SERVICES
AN INFINITY COMPANY

211 W. 14TH STREET, CHANUTE, KS 66720
620-431-9210 OR 800-467-8676

RECEIVED
OCT 21 2003
KCC WICHITA

ORIGINAL

TICKET NUMBER 19434

LOCATION Ottawa

FIELD TICKET

1511 20480000

DATE 6-19-03	CUSTOMER ACCT #	WELL NAME Whittington Ch. 26	QTR/QTR 26	SECTION 26	TWP 17	RGE 12	COUNTY Ly	FORMATION KCC
CHARGE TO Wolverine Environmental				OWNER				
MAILING ADDRESS				OPERATOR Steve Hask				
CITY & STATE				CONTRACTOR McGowan				

OCT 14 2003
CONFIDENTIAL

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION OF SERVICES OR PRODUCT	UNIT PRICE	TOTAL AMOUNT
5401	1	PUMP CHARGE cement casing		525 ⁰⁰
5402	2140	casing footage	.14	NC
1238	2 gal	foamer	30 ⁰⁰	60 ⁰⁰
4405	1	5 1/2 rubber plug		37 ⁵⁰
4109	10	5 1/2 centralizers	27 ⁰⁰	270 ⁰⁰
4151	1	5 1/2 flapper insert	23 ⁰⁰	23⁰⁰
4143	1	5 1/2 flapper shoe	157 ⁵⁰	157⁵⁰
		BLENDING & HANDLING		
5407	min	TON-MILES		190 ⁰⁰
		STAND BY TIME		
		MILEAGE		
		WATER TRANSPORTS		
		VACUUM TRUCKS	supplied	
		FRAC SAND		
1136	1355x	CEMENT DWC		1485 ⁰⁰
			6.8% SALES TAX	102⁰⁰
				13450

RELEASED

NOV 04 2004

FROM CONFIDENTIAL

ESTIMATED TOTAL ~~2907⁰⁰~~
288750

CUSTOMER or AGENTS SIGNATURE Steve Hask CIS FOREMAN Alan Miller

CUSTOMER or AGENT (PLEASE PRINT) EXACT (918) 599-9801 DATE 6-18-03

RECEIVED

OCT 21 2003

ORIGINAL

CONSOLIDATED INDUSTRIAL SERVICES, INC.
211 W. 14TH STREET, CHANUTE, KS 66720
316-431-9210 OR 800-467-8676

KCC WICHITA

TICKET NUMBER 14599

LOCATION Ottawa

FOREMAN Alan Mader

TREATMENT REPORT

1511120418000

DATE <u>6-19-03</u>	CUSTOMER ACCT #	WELL NAME <u>Whittington</u>	QTR/QTR <u>C-426</u>	SECTION <u>26</u>	TWP <u>17</u>	RGE <u>12</u>	COUNTY <u>Ly</u>	FORMATION
CHARGE TO <u>Wolverine Environmental</u>				OWNER				
MAILING ADDRESS				OPERATOR <u>Steve Hash</u>				
CITY				CONTRACTOR <u>McGown</u>				
STATE			ZIP CODE		DISTANCE TO LOCATION <u>50</u>			
TIME ARRIVED ON LOCATION <u>10:00 P.M.</u>				TIME LEFT LOCATION				

WELL DATA	
HOLE SIZE <u>7 7/8</u>	KCC
TOTAL DEPTH <u>2142'</u>	
CASING SIZE <u>5 1/2</u>	OCT 1 + 2003
CASING DEPTH <u>2140</u>	CONFIDENTIAL
CASING WEIGHT	
CASING CONDITION <u>Float @ 2100'</u>	
TUBING SIZE	
TUBING DEPTH	
TUBING WEIGHT	
TUBING CONDITION	
PACKER DEPTH	
PERFORATIONS	
SHOTS/FT	
OPEN HOLE	
TREATMENT VIA	

TYPE OF TREATMENT	
<input type="checkbox"/> SURFACE PIPE	<input type="checkbox"/> ACID BREAKDOWN
<input checked="" type="checkbox"/> PRODUCTION CASING	<input type="checkbox"/> ACID STIMULATION
<input type="checkbox"/> SQUEEZE CEMENT	<input type="checkbox"/> ACID SPOTTING
<input type="checkbox"/> PLUG & ABANDON	<input type="checkbox"/> FRAC
<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> FRAC + NITROGEN
<input type="checkbox"/> MISC PUMP	<input type="checkbox"/> FOAM FRAC
<input type="checkbox"/> OTHER	<input type="checkbox"/> NITROGEN

RELEASED

PRESSURE LIMITATIONS		
SURFACE PIPE	THEORETICAL	INSTRUCTED
ANNULUS LONG STRING		NOV 04 2004
TUBING		

FROM CONFIDENTIAL

INSTRUCTIONS PRIOR TO JOB
<u>386 A Mader</u>
<u>368 B Zabel 122 Mhewis</u>

cement bottom of casing with 110sx OWC, Portland "A", 60% gypsum 2% CaCl, 2% gel with 1/4" Flo-seal 1.44 yield @ 14.7 PPG

JOB SUMMARY

DESCRIPTION OF JOB EVENTS Established circulation. Mixed + pumped 2 gal foamer with 20 bbl water for mud flush. Mixed + pumped 25sx scavenger cement followed by 110sx OWC with 1/4" flo-seal mixed at 14.7 PPG yield of 1.44. Flushed pump clean. Pumped 5 1/2 rubber plug to float @ 2100' with 50 bbl clean water. Well held 900 PSL. Set float.

PRESSURE SUMMARY	
BREAKDOWN or CIRCULATING	psi
FINAL DISPLACEMENT	psi
ANNULUS	psi
MAXIMUM	psi
MINIMUM	psi
AVERAGE	psi
ISIP	psi
5 MIN SIP	psi
15 MIN SIP	psi

TREATMENT RATE	
BREAKDOWN BPM	
INITIAL BPM	
FINAL BPM	
MINIMUM BPM	
MAXIMUM BPM	
AVERAGE BPM	
HYD HHP = RATE X PRESSURE X 40.8	

Alan Mader

AUTHORIZATION TO PROCEED
Steve Hash EXACT (912) 599-9801

TITLE
DATE 6/19/03

ALL THE TERMS AND CONDITIONS STATED ON THE REVERSE SIDE ARE INCORPORATED AS PART OF THIS SALE.