



## Kansas Corporation Commission Oil & Gas Conservation Division

APR 15 2009

Form ACO-1 October 2008 Form Must Be Typed

# WELL COMPLETION FORM COMS WELL HISTORY - DESCRIPTION OF WELL & LEASE

CONSERVATION DIVISION WICHITA, KS

ORIGINAL

OPERATOR: License # 34162	API No. 15 - 155-21539-000
Name: New Gulf Operating, LLC	Spot Description: SE/4 of Section 14 T23 R10W
Address 1: 6100 S. Yale	NENESESec. 14Twp. 23S. R. 10 East
Address 2: Suite 2010	2310 Feet from North / South Line of Section
City: _Tulsa State: OK _ Zip: 74136 _+	
Contact Person: Wink Kopczynski	Footages Calculated from Nearest Outside Section Corner:
Phone: (918) 728-3020	□NE □NW ✓SE □SW
CONTRACTOR: License # 33724	County: Reno
Name: Warren Drilling	Lease Name: Macie Well #: 1
Wellsite Geologist: Joe Baker	Field Name: Zenith-Peace Creek
Purchaser: West Wichita Gas Gathering LLC	Producing Formation: Mississippi Chert
Designate Type of Completion:	Elevation: Ground: 1753 Kelly Bushing: 1761
New Well Re-Entry Workover	Total Depth: 3702 Plug Back Total Depth: 3645
Oil SWD SIOW	Amount of Surface Pipe Set and Cemented at: 262 Feet
Gas ENHR SIGW	Multiple Stage Cementing Collar Used? ☐ Yes ☑ No
CM (Coal Bed Methane) Temp. Abd.	If yes, show depth set:Feet
Dry Other(Core, WSW, Expl., Cathodic, etc.)	If Alternate II completion, cement circulated from: n/a
If Workover/Re-entry: Old Well Info as follows:	feet depth to: n/a w/ n/a sx cmt.
Operator:	A(+ 1- D/g - [[8]10
Well Name:	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
Original Comp. Date: Original Total Depth:	Chloride content:ppm Fluid volume:bbls
Deepening Re-perf Conv. to Enhr Conv. to SWD	Dewatering method used:
Plug Back: Plug Back Total Depth	
Commingled Docket No.:	Location of fluid disposal if hauled offsite:
Dual Completion	Operator Name:
Other (SWD or Enhr.?) Docket No.:	Lease Name: License No.:
8-2-08 8-8-08 11-14-08	Quarter Sec. Twp. S. R. East West
Spud Date or Date Reached TD Completion Date or Recompletion Date  Recompletion Date	County: Docket No.:
of side two of this form will be held confidential for a period of 12 months if rectiality in excess of 12 months). One copy of all wireline logs and geologist we BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 for	conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information quested in writing and submitted with the form (see rule 82-3-107 for confidensell report shall be attached with this form. ALL CEMENTING TICKETS MUST rm with all temporarily abandoned wells.
All requirements of the statutes, rules and regulations promplicated to regulate to are complete and correct to the best of myrknowledge.	he oil and gas industry have been fully complied with and the statements herein
Signature: 1 Prost dent 2 12-12-14	KCC Office Use ONLY
Subscribed and sworn to before me this day of Date:  One of the state	Letter of Confidentiality Received  If Denied, Yes Date: 1213109
Notary Public: Mona on In In Inc. Commissil Commission Commissil Commissil Commissil Commissil Commissil Commission Commissil Commission Commissil Commission Commissil Commission Commissil Commission C	Wireline Log Received KANSAS CORPORATION COMMISSION
Date Commission Expires: 41 2010	UIC Distribution MAY 0 4 2009
OF OF ON	Wireline Log Received KANSAS CORPORATION COMMISSION Geologist Report Received UIC Distribution  RECEIVED

Operator Name: Ne	w Gulf Operating,	LLC	Lease	Name: _	Macie		Well #: _1_	
		☐ East ✓ West		,: Ren				
time tool open and cl recovery, and flow ra	losed, flowing and sh	nd base of formations pe ut-in pressures, whether est, along with final chart report.	shut-in pres	sure rea	iched static leve	el, hydrostatic	pressures, bottom	hole temperature, fluid
Drill Stem Tests Take (Attach Additional		☐ Yes 🗸 No		<b>√</b> L	.og Formati	on (Top), Dep	oth and Datum	Sample
Samples Sent to Geo	ological Survey	☑ Yes ☐ No		Nan Doug			Тор 3120	Datum
Cores Taken Electric Log Run (Submit Copy)	`	☐ Yes ☐ No ☐ Yes ☐ No		Lans	ing issippi		3351 3578	200 non v
List All E. Logs Run:							KANSAS CORPOR	EIVED ATION COMMISSION
		Porosity, Microresi sated Sonic Log.	stivity,				APR 1	5 2009
		CASING	RECORD					TONDWISION
		Report all strings set-		√ Nourface, int		ction, etc.	WICH	ITA, KS
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weig Lbs. /	ght	Setting Depth	Type o Cemer		Type and Percent Additives
Surface	12.5	8 5/8	23		262	Н	275	3% cc 2% Gel
Production	7 7/8	5 1/2	15.5		3690	Н	185	.1% KCL
							230	5%KCL
P		ADDITIONAL	L CEMENTIN	NG / SQL	JEEZE RECORI	)		
Purpose:  —— Perforate  —— Protect Casing	Depth Top Bottom	Type of Cement	#Sacks	Used		Туре	and Percent Additives	3
Plug Back TD Plug Off Zone								
Shots Per Foot		ON RECORD - Bridge Pluç Footage of Each Interval Per					ement Squeeze Recor of Material Used)	rd Depth
4	3564-3584			سند سيدسان س				
· · · · · · · · · · · · · · · · · · ·							KANSI	AS CORPORATION COMMISS
						, <del></del>		MAY 0 4 2009
								RECEIVED
TUBING RECORD: 2	Size:	Set At: 3559	Packer At	:	Liner Run:	Yes	No	ILOLIVE
Date of First, Resumed	Production, SWD or En	hr. Producing Met	nod:	Flowing	g 🗸 Pumpi	ng 🗌 G	as Lift	er (Explain)
Estimated Production Per 24 Hours	Oil 7	Bbls. Gas	Mcf	Wate	er E 60	Bbls.	Gas-Oil Ratio 19mcf/bbl	Gravity 0.73
DISPOSITION	ON OF GAS:		METHOD OF	COMPLE	TION:		PRODUCTION	ON INTERVAL:
Vented ✓ Sold	Used on Lease	Open Hole Other (Specify)	Perf.	Dually	Comp. Co	mmingled	3564-3584	





### NEW GULF OPERATING, LLC

April 14, 2009

By Federal Express

Kansas Corporation Commission Oil & Gas Conservation Division 130 S. Market, Room 2078 Wichita, KS 67202

RE:

**Confidentiality Request** 

Well Completion Form ACO-1

Macie #1 Well, API No. 15-155-21539

Dear Sir or Madam:

Enclosed is an original and two (2) copies of the Well Completion form (ACO-1) for our Macie #1 well located in Reno County, along with the wireline log(s), geologist well report and all cementing tickets relating to the well.

Please let this letter serve as New Gulf Operating, LLC's request that the information contained be held confidential for twelve (12) months. Thank you.

Sincerely,

Mona S. Jenkins Contracts Manager

6100 S. Yale, Suite 2010 Tel: (918)728-3020 Tulsa, Oklahoma 74136 Fax: (918) 728-3194

### ALLIED CEMENTING CO., LLC.

REMIT TO P.O. BOX 31 RUSSELL, KANSAS 67665 CALLED OUT SEC. TWP. RANGE DATE 8.3.08 10:00 PM

T.D.

DEPTH

DEPTH

DEPTH

15.6 BBL

**EQUIPMENT** 

CEMENTER SATISFACE

REMARKS:

DRIVER

MINIMUM

SHOE JOINT

DEPTH 26

LEASE Marie

**HOLE SIZE** 

**TUBING SIZE** 

DRILL PIPE

PRES. MAX

MEAS. LINE

DISPLACEMENT (

PUMP TRUCK

TOOL

PERFS.

#/20 **BULK TRUCK** #34/ **BULK TRUCK** 

CONTRACTOR A TYPE OF JOB Surface

OLD OR NEW (Circle one)

CASING SIZE 8 18 NEW

CEMENT LEFT IN CSG./5

S	ERVICE POINT:	
	- Great Ben	4
LED OUT ON LOCATIO	N JOB START JOB FINIS	<u></u>
0:00 PM 1:00 A	M 4:30 AM 5:30	
_	COUNTY STATE	
& 4th street road	Reno Kona	20
, lead, 1/2 most		
WNER Tiger Vilk	Har L.L.C.	
8		
CEMENT		
AMOUNT ORDERED 2	15 DX Lommon	
3/0 CC 2 10 GEL		
	@_ <i>_13.5</i> 0_ <i>_3,71</i> ;	
POZMIX		
GEL <u>G Sk</u>	@_2028!6/:: @_51.50_14/2	25
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HANDLING 2885x		00
MILEAGE 288X44	IX 10 = 1.217	120
·	TOTAL 6,140	
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SER	VICE	
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DEPTH OF JOB. 261	991.00	
PUMP TRUCK CHARGE_	991.00	
PUMP TRUCK CHARGE EXTRA FOOTAGE		
PUMPTRUCK CHARGE _ EXTRA FOOTAGE MILEAGE	@	
PUMPTRUCK CHARGE _ EXTRA FOOTAGE		<u> </u>
UMPTRUCK CHARGE _ EXTRA FOOTAGE MILEAGE MANIFOLD	@@	<u> </u>
PUMPTRUCK CHARGE _ EXTRA FOOTAGE		<u> </u>
PUMPTRUCK CHARGE _ EXTRA FOOTAGE		<u>0</u> 20
PUMPTRUCK CHARGE _ EXTRA FOOTAGE	@@	<u>0</u> 20
PUMPTRUCK CHARGE EXTRA FOOTAGE	@ <b>7.60</b> 330.0 @ <b>1/0.0</b> 0 <b>//0.0</b> @ TOTAL <b>1,43</b>	<u>0</u> 20
PUMP TRUCK CHARGE EXTRA FOOTAGE MILEAGE 44 MANIFOLD EACH FENTAL		<u>0</u> 20
PUMP TRUCK CHARGE EXTRA FOOTAGE MILEAGE 44 MANIFOLD MEACH FENTAL PLUG & FLO	@ <b>7.60</b> 3.30 @ <b>1/0.00 1/0.0</b> @ TOTAL <b>1,431</b> .  AT EQUIPMENT	<u>8</u> 8 
PUMP TRUCK CHARGE EXTRA FOOTAGE MILEAGE 44 MANIFOLD Head rental	## 2.50 3.30   3	<u>ව</u> වි ව
1.8%.TWP	### 250 330.  ### 250 330.  ### 330.  ### TOTAL 1,431.  ### 250 330.  ### 330.  ### TOTAL 1,431.	<u>0</u> 0
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PUMP TRUCK CHARGE EXTRA FOOTAGE MILEAGE 44 MANIFOLD EACH FENTAL.  PLUG & FLO	## 250 330.  ## 250 330.  ## 1/0.00	නි වි වෙර

STATE Kansas ZIP 67220 To Allied Cementing Co., 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 X Phil Wedersk; SIGNATURE X (Phil Wederski

SALES TAX (If Any TOTAL CHARGES. Kansasif Paid in 30 Daysssion DISCOUNT APR 15 2009 Thank you!

> CONSETNATION DIVISION WICHITA, KS

## Cementing Job Summary

Sold To	# 35	5073		Ch	in Ta	4. 207	2054			S WILLI	Safety							
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CREEK					•	SYLVIA		İ	y/Paris	h: Renc	)				e: Kan			
Legal De	scrip	tion: S	ection	14 To	wnshi	p 23S F	Range	10W							<del></del>			<del></del>
Job Pur	ose:	Ceme	nt Pro	duction	Casii	ng												
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Sales Pe	rson:	HEST	ON, M	YRON	-	Srvc S	Super	visor: [	FETZ	DONAL		MADI	ID C		0000			
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## Cementing Job Summary

	ng Agt		Conc Surfact			tant		Conc	Acid	Туре	T	Qty	Ca	20	
Treatment Fld			Conc			Inhibitor		Cond		775		Size		Conc Qty	
							Flu	id Data			- 1, pc	The Contract	SIZE	Qty	
S	tage/Plu	g #: 1													
Fluid #				F	luid N	ame	Notes and No. of	Qty	Qty uom	Mixing Density Ibm/gal	Yield ft3/sk	Mix Fluid Gal/sk	Rate bbl/min	Tota Fluid	
1	Water P		ו					0.00	bbl	8.33	.0	.0	6.0	ļ——	
2	Super-F	iush						20.00	bbl	8.8	.0	.0	6.0		
	68 lbm/b		HALLIB	URTON	SUPE	R FLUSH	(1000036	39)	·			<u> </u>	0.0		
3	Water S							0.00	bbl	8.33	.0	.0	6.0		
	Lead Slu	ırry				NT (4520	009)	185.0	sacks	11.4	2.94	17.77	6.0	17.	77
	0.1 %		WG-17,	50 LB S	K (100	003623)	· · · · · · · · · · · · · · · · · · ·						0.0		
	5 lbm		KOL-SE	AL, BUL	K (100	064233)				<del></del>					
	17.767 G	al	FRESH	WATER			<del></del>	******					<del></del>		
	Tail Slur	гу	EXPAN	DACEM	(TM) S	YSTEM	(452979)	230.0	sacks	14.	1.43	6.18	6.0	6.1	. 0
	5 %		POTASS	SIUM CH	LORIE	DE 5% (10	00001585	)		_LL			0.0		.0
	5 %		CAL-SE	AL 60, B	ULK (1	0006402	(2)					<del></del>			
	5 lbm		KOL-SE	AL, BUL	K (100	064233)			· · · · · · · · · · · · · · · · · · ·	<del></del>					
	0.5 %		HALAD(I	R)-322, 5	0 LB (	1000036	46)								
	6.181 Ga		FRESH \	NATER											
	Displace							0.00	bbl	8.33	.0	.0	6.0		
Ca	lculated	<b>Values</b>		Pre	ssure	S				Vo	lumes			14 1 F 13. 1 1 1	. <del></del>
	ement	87		in: Inst	ant		Lost Re		0	Cement Slu		154	Pad	<del></del>	
	Cement	SURFA					Cement	Returns		Actual Dis			Treatme	nt	
c G	adient	·	15 M	in			Spacers			Load and E			Total Jo		281
							Ra	ites			33.5		). Gazi GG		-01
	ating	5		Mixin		L '	5	Displac	ement	6	1/	Avg. Job	•	5.5	خند
	ent Left in		Amount		Reas		Joint			1	1/	/ 3.00.	<u> </u>		—
ac R	ing #1@		D F	rac ring	#2@		ID I	rac Rine	#3.0	//D	/// F	rac Ring #	4 @	ID	
rac R	ing # 1 @		D F	rac ring	#2@		ID I	rac Rine	# 3 @	Ignatura Ignatura	// F	rac Ring#	4@	ID	

RECEIVEL: KANSAS GORPORATION COMMISSION

APR 15 2000

WICHITA, KS

CONSERVATION DIVISION

Summit Version: 7.20.130

Saturday, August 09, 2008 01:26:00



APR 15 2009



## Cementing Job Log

The Road to Excellence Starts with Safety

Sold To #: 355073 Ship To #: 2672651 Quote #: Sales Order #: 6090516 Customer: NEW GULF OPERATING LLC Customer Rep: Birdwell, Danny Well Name: Macie Well #: 1 API/UWI #: 15-155-21539 Field: ZENITH-PEACE City (SAP): SYLVIA County/Parish: Reno State: Kansas CREEK Legal Description: Section 14 Township 23S Range 10W Lat: N 0 deg. OR N 0 deg. 0 min. 0 secs. Long: E 0 deg. OR E 0 deg. 0 min. 0 secs. Contractor: Rig/Platform Name/Num: Job Purpose: Cement Production Casing **Ticket Amount:** Well Type: Development Well Job Type: Cement Production Casing Sales Person: HESTON, MYRON Srvc Supervisor: DEETZ, DONALD MBU ID Emp #: 389855 Rate **Pressure** Volume **Activity Description** Date/Time Cht bbl/ psig Comments bbl min Stage # Total Tubing Casing Arrive At Loc 08/08/2008 **RIG WAS PULLING** 13:30 DRILL PIPE Pre-Job Safety Meeting 08/08/2008 13:35 Rig-Up Completed 08/08/2008 14:35 **Test Lines** 08/08/2008 4000 14:35 Start In Hole 08/08/2008 RAN CENTRALIZERS 18:45 AND FLOAT EQUIPMENT Casing on Bottom 08/08/2008 20:30 Circulate Well 08/08/2008 **PUT ON CEMENT** 20:40 **HEAD CIRCULATED** WITH RIG Pump Spacer 1 08/08/2008 6 10 80.0 WATER 23:23 Pump Spacer 1 08/08/2008 6 20 30 80.0 SUPER FLUSH 23:26 Pump Spacer 1 08/08/2008 10 40 80.0 WATER 23:31 **Pump Lead Cement** 08/08/2008 1 3 43 .0 **RAT HOLE** 23:58 **Pump Lead Cement** 08/09/2008 96 139 150.0 185 SKS @ 11.4 00:04 VARICEM **Pump Tail Cement** 08/09/2008 6 58 197 150.0 230 SKS @ 14.0 00:20 **EXPANDACEM** Clean Lines 08/09/2008 TO PIT 00:32 Drop Plug 08/09/2008 TOP PLUG ONLY 00:35 Pump Displacement 08/09/2008 6 87 284 500.0 **RIG WATER AND** 00:36 TRANSPORT TRUCKS

Sold To #: 355073

Ship To #:2672651

Quote #:

Sales Order #:

6090516

SUMMIT Version:

7.20.130

Saturday, August 09, 2008 01:26:00

## Cementing Job Log

Activity Description	Date/Time	Cht	Rate bbl/ min		umė ibi		sure sig	Comments
		#		Stage	Total	Tubing	Casing	
Bump Plug	08/09/2008 00:56							BUMPED PLUG @ 600 TOOK TO 1200 HELD FOR 6 MIN CHECKED
Other	08/09/2008 01:02							PUT 500 PSI ON HELD
End Job	08/09/2008 01:04	٠						FOR 4 HOURS THANKS FOR CALLING HALLIBURTON ERIC & CREW
Post-Job Safety Meeting (Pre Rig-Down)	08/09/2008 01:10							CREVV

RECEIVED
KANSAS CORFORMICO MAISSION

APR 15 2009

CONSERVATION DIVISION.

WICHITA KS

Sold To #: 355073

Ship To #:2672651

Quote #:

Sales Order #:

6090516

SUMMIT Version: 7.20.130

Saturday, August 09, 2008 01:26:00



### RECEIVED KANSAS CORPORATION COMMISSION

APR 15 2009

### **Work Order Contract**

CONSERVATION DIVISION WICH PICHENUmber

6090516

Halliburton Energy Services, Inc. Houston, Texas 77056

TO: HALLIBURTON ENERGY SERVICES, INC. - YOU ARE HEREBY REQUESTED TO FURNISH EQUIPMENT AND SERVICE PERSONNEL TO DELIVER AND OPERATE THE SAME AS AN INDEPENDENT CONTRACTOR TO CUSTOMER LISTED BELOW AND DELIVER AND SELL PRODUCTS, SUPPLIES AND MATERIALS FOR THE PURPOSE OF SERVICING

Well No.	Farm or Lease	1 0 3		
1	rain or Lease	County	State	Well Permit Number
1 Customer	Macie	Reno	Kansas	Train training
	PERATING LLC	Well Owner	Job Purpose	
INCAA GOTLA	FERATING LLC		Cement Prod	uction Casing
		THIS WORK ORDER MUST BE SIGNED	BEFORE WORK IS COMMENCE	ED

- CUSTOMER REPRESENTATION Customer warrants that the well is in proper condition to receive the services, equipment, products, and materials to be supplied by Halliburton Energy Services, Inc.
- B. PRICE AND PAYMENT The services, equipment, products, and/or materials to be supplied hereunder are priced in accordance with Halliburton's current price list. All prices are exclusive of taxes. If customer does not have an approved open account with Halliburton, all sums due are payable in cash at the time of performance of services or delivery of equipment, products or materials. If Customer has an approved open account, invoices are payable on the twentieth day after the date of invoice. Customer agrees to pay interest on any unpaid balance from the date payable until paid at the highest lawful halliburton employs an attorney for collection of any account. Customer agrees to pay attorney fees of 20% of the unpaid account, or Colliberations agreement to exceed to be per arranged in the event framework employs on another to collection of any account. Customer agrees to pay another tees or zone or Halliburton's actual attorneys fees, whichever is greater, plus all collection and court costs. Customer agrees that the amount of attorney fees set out herein are reasonable and necessary.
- C. RELEASE AND INDEMNITY Customer agrees to <u>RELEASE</u> Halliburton Group from any and all liability for any and all damages whatsoever to property of any kind owned by, in the possession of, or leased by Customer and those persons and entities Customer has the ability to bind by contract or which are co-interest owners or joint ventures with Customer. Customer also agrees to DEFEND, INDEMNIFY, AND HOLD Halliburton Group HARMLESS from and against any and all liability, claims, costs, expenses, attorney fees and damages whatsoever for personal injury, illness, death, property damage and loss resulting from:

loss of well control: services to control a wild well whether underground or above the surface; reservoir or underground damage, including loss of oil, gas, other mineral substances or water, surface damage arising from underground damage; damage to or loss of the well bore; subsurface trespass or any action in the nature thereof, fire; explosion; subsurface pressure; radioactivity; and pollution and contamination and its cleanup and control.

CUSTOMER'S RELEASE, DEFENSE, INDEMNITY AND HOLD HARMLESS obligations will apply even if the liability and claims are caused by the sole, concurrent, active or passive negligence, fault, or strict liability of one or more members of the Halliburton Group, the unseaworthiness of any vessel or any defect in the data, products, supplies, materials or equipment furnished by any member or members of the Halliburton Group whether in the design, manufacture, maintenance or marketing thereof or from a failure to warn of such defect. "Halliburton Group" is defined as Halliburton Energy Services, Inc., its parent, subsidiary, and affiliated companies, insurers and damage or loss is suffered by one or more members of the Halliburton Group, Customer, or any other person or entity. Customer agrees to support such obligations apply whether the personal injury, illness, death, property \$600,000. Customer agrees to name Halliburton Group as named additional insured on all of its general liability policy(s). Customer agrees that its liability under this Contract is not limited by the amounts of its insurance coverage, except where and as may be required by applicable local law for the provisions of this Contract to be enforceable.

- D. EQUIPMENT LIABILITY Customer shall at its risk and expense attempt to recover any Halliburton Group equipment lost or lodged in the well. If the equipment is recovered and repairable, Customer shall pay the repair costs, unless caused by Halliburton's sole negligence. If a radioactive source becomes lost or lodged in the well, Customer shall meet all requirements of Section 39.15(a) of the Nuclear Regulatory Commission regulations and any other applicable laws or regulations concerning retrieval or abandonment and shall permit Halliburton to monitor the recovery or abandonment efforts all at no risk or liability to Halliburton Group. Customer shall be responsible for damage to or loss of Halliburton group equipment products, and materials while in transit should customer-supplied transportation, even if such is arranged by Halliburton of Customer shall be responsible. laws or regulations concerning remeval or available management and search permit removal or responsible for damage to or loss of Halliburton group equipment, products, and materials while in transit aboard Customer-supplied transportation, even if such is arranged by Halliburton at Customer's request, and during loading and unloading from such transport. Customer will also pay for the repair or replacement of Halliburton group equipment damaged by corrosion or abrasion due to well effluents.
- LIMITED WARRANTY Halliburton warrants only title to the equipment, products, and materials supplied under this Contract and that same are free from defects in workmanship and materials for thirty (30) days from the date of delivery. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE BEYOND THOSE STATED IN THE IMMEDIATELY (30) days from the date or delivery. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's sole liability and Customer's exclusive remedy in any cause of action (whether in contract, tort, breach of warranty or otherwise) arising out of the sale, lease or use or any equipment, products, or materials is expressly limited to the replacement of such on their return to Halliburton or, at Halliburton's option, to the allowance to Customer of credit for the cost of such supporting services furnished by others, HALLIBURTON IS UNABLE TO GUARANTEE THE EFFECTIVENESS OF THE EQUIPMENT, MATERIALS, OR SERVICE, NOR THE ACCURACY OF ANY CHART INTERPRETATION, RESEARCH ANALYSIS, JOB RECOMMENDATION OR OTHER DATA FURNISHED BY HALLIBURTON GROUP. Halliburton personnel will use their best efforts in gathering such information and their best judgment in interpreting it, but Customer agrees that Halliburton Group shall not be liable for and CUSTOMER SHALL INDEMNIFY HALLIBURTON GROUP AGAINST ANY DAMAGES ARISING FROM THE USE OF SUCH INFORMATION, even if such is contributed to or caused by the active or passive negligence, fault or strict liability of any member or members of Halliburton Group. Halliburton also does not warrant the accuracy of data transmitted by electronic process, and Halliburton will not be responsible for accidental or intentional interception of such data by third parties.
- GOVERNING LAW The validity, interpretation and construction of this Contract shall be determined by the laws of the jurisdiction where the services are performed or the equipment or materials are delivered
- DISPUTE RESOLUTION Customer and Halliburton agree that any dispute that may arise out of the performance of this Contract shall be resolved by binding arbitration by a panel of three arbitrators under the rules or the American Arbitration Association. The arbitration will take place in Houston, TX.
- H. SEVERABILITY If any provision or part thereof of this Contract shall be held to be invalid, void, or of no effect for any reason, such holding shall not be deemed to affect the validity of the remaining provisions of this Contract, which can be given effect, without the invalid provision or part thereof, and to this end, the provisions of this Contract are declared to be severable. Customer and Halliburton agree that any provision of this Contract, that is unenforceable or void under applicable law will be modified to achieve the intent of the parties hereunder to the greatest extent allowed by applicable law.
- MODIFIZATIONS Customer agrees that Halliburton shall not be bound by any modifications to this Contract, except where such mo of

alliburton/R	equests for modific	ations should be di	rected to the Vice Pre	sident - Legal, 1020	00 Belleire Ri		CON MODIFICATION IS MAD	le in writing by a duly autho	
I HAVE R	EAD AND UNDE	RSTAND THIS	WORK ORDER CO	NTRACT WHIC	CONTA	MC DELEACE AND	-5299.	AGE WHICH CUSTOM	
ACKNOW	LEDGES	Y			''I GONTAL	NO RELEASE AND I	NUEMNITY LANGU	AGE WHICH CUSTOM	ER
IS CONSE	ICUOUS AND A	FFORDS FAIR	AND ADEQUATE	NOTICE MEDIE	PEDDECEN	T TILAT . ABB			
AM SIGNI	NG THIS WORK	ORDER CONT	RACT WITH THE	INNERGLANDA	YEFRESEN	C TERMO AND COM	PRIZED TO SIGN TH	HE SAME AS CUSTON	IER'S AGENT.
CONFLIC.	WITH TERMS	AND CONDITIO	NS FOF A SIGNED	MASTED SEAV	ICE CONT	RACT BETWEEN TH	DITIONS WILL NOT	APPLY TO THE EXT	ENT THEY
SIGNED	11 6.	uf )	uthorized Signatory		DATE:	8/8/08	E PARTIES.  TIM	E:	A.M./PM.
	/	/ CIMER A	unionzed Signatory	(				-	



### Joe M. Baker

Petroleum Geologist 401 E. Douglas Ste 525 Wichita, Kansas 67202 Ph: 316-253-9696(cell)

Fax: 316-263-8801-0480 E- Mail jbaker931@sbcglobal.net

APR 15 2009

CONSETUTION DIVISION WICHITA, KS

**AUGUST 11, 2008** 

To: Tiger Oil & Gas

2400 N. Woodlawn Wichita, Ks. 672002

Re: Macie #1

2310'FSL 330'FEL Section 14-23S-10W Reno County, Kansas

The Macie # 1 was spud on August 2, 2008 and drilled to a rotary depth of 3702'. The open-hole log total depth was also 3702. The pipe tally at TD was 4.37' short to board tally. A non-manned Earth —Tech Onsite Geological Gas Trailer was on location. Geological supervision was from 8/7/2008 through 8/8/2008.Drilling time, wet and dry samples were collected and analyzed from 1000' to Rotary Total Depth. Samples were delivered to the Kansas Geological Survey.

The well was open-holed logged by LOG-TECH. Logs ran were CNL/CDL,DIL,/MEL,BHCS . 5/12 casing was set on 8/9/2008.

#### Structural and Zone Thickness Comparison

	TIGER OIL & 0 Macie # 1 2310'FSL 330' 14-23S-10W KB 1761'		ZENITH DRILLING CORP. Weber C # 1 SW SW NE 13-23S-10W KB 1759'
Heebner	3060 (-1299)	Flat	3058 (-1299)
Brown Lime	3220 (-1459)	Flat	3218 (-1459)
Stark	3472 (-1711)	Flat	3470 (-1711)
Base Kansas City	3527 (-1766')	+3'	3528 (-1769 <sup>'</sup> )
Miss. Chert Porosity	3578 (-1817)	+14	3590 (-1831')
Base Miss. Chert	3612 (-1851)	+18	3628 (-1869)
Miss Chert Thickness	34'	+8'	38'
Kinderhook Shale	3622 (-1861)	+10'	3630 (-1871)

#### **DESCRIPTION OF SHOWS**

### **Douglas Sand**

3120-3144

Sandstone/siltstone gray to light green, fine grain, silty, chalky with poor intergranular porosity. Fair show of gas bubbles, no odor, no fluorescence and no shows of free oil. The section carried a gas kick of 700 units on the hot-wire. The log porosity was ~ 21% but appears shally and calculates high water. The show of gas is in this zone is normal and to date has not been produced in this area.

#### **Lansing**

3351-3358

Limestone cream to tan, very fossiliferous, oolicastic with fine pinpoint and vuggy porosity. Fair odor, dull fluorescence and a fair to good show free oil and gas and scattered staining in a few pieces. The log porosity averaged 15 %. This zone may have potential and should be evaluated at a later date.

3405-3410

Limestone tan fine crystalline, pinpoint and fossil cast porosity. Samples carried a very slight show free oil in a few pieces, and had a faint fleeting odor but no fluorescence. Log porosity ~ 14 %. The overall show was weak and probably not potential but should be looked at more closely.

Carlotte St.

### Mississippian Chert

3578-3590'

Chert, white-cream dense to devitrified with some weathered ,vuggy and pinpoint porosity. Fair tan stain with shows of live free oil, gas bubbles and dull yellow fluorescence in ~ 10%. No detectable odor. Gas readings were 111 units. Dual Compensated Porosity Log averaged 17%, with slight crossover. This section is allittle erosional and a 3590-3612'

Chert white, tan with increase in weathered to tripolitic porosity in some. Good show gas bubbles, free oil and light brown stain and some fluorescence. Gas readings increased to over 200 units. Trace of possible light odor at break. This section had the best shows and gas readings in the Mississippian Chert section. Log porosity averaged 18% with crossover.

#### **SUMMARY**

The Macie #1 ran structural 14' high to the control well, the #1 Weber C drilled in 1982 by Zenith Petroleum. This well has produced ~ 248 MMCFG. The total thickness of the Mississippian Chert section (34') was 4' feet thinner than in the Zenith well. The sample shows, gas readings and open-hole logs indicate a similar reservoir and pipe was set to further test the Mississippian.

The Lansing has also produced in the immediate area and the shows encountered should be evaluated through perforation and acid treatment at a later date.

Respectfully Submitted;

Joe M. Baker- Geologist