# CONFIDENTIAL

# KANSAS CORPORATION COMMISSION

# ANSAS CORPORATION COMMISSION ORIGINAL OIL & GAS CONSERVATION DIVISION ORIGINAL ORIGI WELL HISTORY - DESCRIPTION OF WELL & LEASE

3/13/09 Form ACO-1
September 1999 Form Must Be Typed
A
AMENDED

API No. 15 - 15-159-22511-0000 Operator: License # 3882 Name: SAMUEL GARY JR. & ASSOCIATES, INC. County: RICE Address: 1670 BROADWAY, SUITE 3300 SW SW NE Sec. 23 Twp. 18 S. R. 10 ☐ East 🖾 West City/State/Zip: DENVER, CO 80202-4838 2150 feet from NORT Line of Section feet from EAST Line of Section Purchaser: GARY-WILLIAMS ENERGY CORPORATION 2310 Operator Contact Person: TOM FERTAL Footages Calculated from Nearest Outside Section Corner: Phone: (circle one) (NE) SE (303) 831-4673 Lease Name: WEIHE TRUST Well #: 2-23 Contractor: Name: EXCELL SERVICES INC. License: WILDCAT 8273 ARBUCKLE Producing Formation: Wellsite Geologist: JUSTIN CARTER Elevation: Ground: 1748' Kelly Bushing: 1754' Designate Type of Completion: X New Well \_\_\_\_\_ Re-Entry \_\_\_\_\_ Workover Total Depth: 3389" Plug Back Total Depth: X SWD SIOW Temp Abd. Amount of Surface Pipe Set and Cemented at 337 Oil Feet \_\_\_\_ ENHR \_\_\_\_ SIGW Multiple State Cementing Collar Used? ☑ Yes ☐ No Gas If yes, show depth set 1283 \_\_\_\_ Dry \_\_\_\_ Other (Core, WSW, Expl., Cathodic, etc) If Workover/Re-entry: Old Well Info as follows: If Alternate II completion, cement circulated from \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt. Operator: \_\_ Well Name: Original Comp. Date: \_\_\_\_\_ Original Total Depth: Drilling Fluid Management Plan (Data must be collected from the Reserve Pit) \_\_\_\_ Re-perf. \_\_\_\_ Conv. to Enhr./SWD Deepening Plug Back Total Depth \_\_ ppm Fluid volume Chloride content Plug Back Dewatering method used Commingled Docket No. RECEIVED Location of fluid disposal if hauled CORPORATION COMMISSION Dual Completion Docket No. Other (SWD or Enhr.?) Docket No. Operator Name: . Lease Name: Quarter \_\_\_\_\_ Sec. \_\_\_\_ Twp. \_\_CONSERVATION DIVISION 11/20/2006 11/28/2006 3/15/2007 Spud Date or Recompletion Date Date Reached TD Completion Date or Docket NWICHITA KS Recompletion Date

INSTRUCTIONS: An original and two copies of this information shall be filed with the Kansas Corporation Commission, 130 South 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 on 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: LONG B. Cas W	KCC Office Use ONLY  Letter of Confidentiality Attached							
Title: PETROLEUM ENG. Date: 4/4/2007	If Denied, Yes □ Date:							
Subscribed and sworn to before me this 4 TH day of APRIL	Wireline Log Received							
20 <u>07</u>	Geologist Report Received							
Notary Public:	VIIC Distribution							
Date Commission Expires:	Copies WiC							
W. S. O. S.								

WAY 9, 2009

Operator Name: _	SAMUEL GA	RY JR & ASSO	CIATES, IN	C	Leas	se Name: _	WEI	HE TRUST		Well #: _	2-23		
Sec. <u>23</u>	Twp18	S. R10	E	ast 🛛 Wes	t Cou	nty:	RICE						
	ed, flowing and as to surface to	d shut-in pressurest, along with fin	es, whether s	hut-in press	ure reached s	tatic level, hy	/drosta	atic pressur	drill stem tests givin es, bottom hole tem of all Electric Wireli	perature, flu	uid recovery,		
Drill Stem Tests Ta		☐ Yes	⊠ N		⊠ Log	F	orma	tion (Top), [	Depth and Datum		☐ Sample		
Sample Sent to Ge	eological Surve	ey 🛭 Yes	□ N	I .	Name TOPEKA				Top 25	16'	Datum -762' -1025'		
Cores Taken		☐ Yes	⊠ N	•	HEEBNER DOUGLAS BRN LIME			0.00	22° 28₁ ○ 29	08'	-1025 -1054' -1147'		
Electric Log Run (Submit Copy)	)	Yes	□ N	0	LANSING ARBUCKLI	E	M.	NGC Relea	<i>ව</i> 298	24' 31'	-1170' -1527'		
List All E. Logs Ru						(	MAR 1 3 2007 CONFIDENTIA			, ,			
		С	ASING RECO	ORD	New	☑ Use	d						
		Report	all strings se	t - conducto	or, surface, int	ermediate, p	roduct	tion, etc.	r-	<del></del>			
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			Type and Percent Additives	
SURFACE	12-1/4°	8-5/8"	28	337'	CLASS A			175	2% GEL & 3% CC				
PRODUCTION	7-7/8"	5-1/2"	15.5	3309'	A-CON BLEND CLASS AA2			180 110	3% CACL, 1/4#/SK CELLFLAKE 5#/SK GILSONITE, 1/4#/SK CELLFLAKE				
			<u> </u>		A-CON BL	END		250	3% CACL, 1/4#/SK CELLFLAKE				
			AD	DITIONAL	EMENTING/	SQUEEZE R	ECOF	RD					
Purpose: Depth Top Bottom  Perforate		m	Type of Cement			# Sacks Used Type and Percent Additives				Additives			
Protect Ca Plug Back Plug Off Z	:TD T												
PERFORATION RECORD – Bridge Plugs Se Shots per Foot Specify Footage of Each Interval Perforate						(Amount and Kind of Material Used)					ord Depth		
			RIECEIV KANSAS CORPORATIO					SSION					
			<del></del>						APR 0 5				
						CONSERVATION DIVISION							
									WICHITA	KS			
TUBING RECORD	)	Size 2-7/8"	Set At		acker At 3270'	Liner Run		] Yes	⊠ No				
Date of First, Resi	umed Producti	on, SWD or Enh	r. Produc	ing Method						_			
Estimated Produc	SWD PENDING		s. Ga	s Mo	cf Wat	Flowing ter Bb	  s	Pumping	Gas Lift as-Oil Ratio	Ot	her (Explain) Gravity		
Per 24 Hours		Oil Bbl	s. Ga	s Mi	vva	0	13.		us-On radio				
Disposition of Gas	5				METHOD C	OF COMPLE	TION				Production Interval		
	Sold Sold Somit ACO-18.)	☐ Used on	∟ease	·	en Hole	☐ Perf.		Dually Com	p. Commin	gled	3309-3389		
				∐ Oth	er (Specify)	SWD				_			

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## Weihe Trust 2-23

## Proposed SWD Configuration

Put on Production:

Spud Date: 11/20/06 Excell Rig #10

GL: 1748' KB: 1754'

Wellbore Diagram Updated 03/29/07

GBR IV

Initial Production: SWD

#### SURFACE CASING

CSG SIZE: 8-5/8" GRADE: NA

WEIGHT: 23# J-55 New STC

LENGTH: 332'

DEPTH LANDED: 337' KB HOLE SIZE:12-1/4"

CEMENT DATA: 175 sx 60/40 poz w/ 2% gel & 3% CaCl

#### INTERMEDIATE CASING

CSG SIZE: GRADE:

WEIGHT:

LENGTH:

DEPTH LANDED: HOLE SIZE:

CEMENT DATA: CEMENT TOP AT:

#### PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: J-55 Limited Service

WEIGHT: 15.5# STC LENGTH: 81 jts. (3312')

DEPTH LANDED: 3309' KB, Baffle @ 3298' KB, DV Tool @ 1283'KB

HOLE SIZE: 7 7/8"

CEMENT DATA: Cement 1st Stage as follows: Pump 12bbl MudFlush, 5bbl H2O, Lead w/ 180sks A-Con Blend w/ 3% CaCl & 1/4#/sk CelloFlake Mixed @ 11.8ppg w/ 2.87yld. Tail w/ 110sks AA-2 Cmt w/ 0.8% FLA-322, 5% Salt, 0.3% Friction Reducer, 0.25% Defoamer, 5#/sk Gilsonite Mixed @ 15.4ppg w 1.36yld. Displw/ 50bbl H2O & 28bbl Mud. Bump Plug to 1700psi. Float held OK.

Cement 2nd Stage as follows: Pump 250sks A-Con Blend w/ 3% CaCl & 1/4#/sk CeloFlake Mixed @ 11.8ppg w/ 2.87yld. Displace w/ 31bbl FW. Bump Plug & Closed DV Tool @ 1500psi. Tool Held OK.

CEMENT TOP AT: 1st Stage 1860' KB per CBL, 2nd Stage at surface

#### TUBING

SIZE/GRADE/WT.: 2 7/8" J-55 6.5 #/ft NO. OF JOINTS: 102 jts @ 3304' KB

SN: None

PACKER: AD-1 Tension packer in 24K tension @ 3272'KB. 30' tail joint below packer.

#### Logs

LOGS: Open Hole DIL, CNLD, CSL, Micro Res., GR, SP Cased hole: CBL

### Sam Gary Jr. & Associates

#### Weihe Trust 2-23

2150' FNL & 2310' FEL

SW/SE/NE Section 23-T18S-R10W

Rice Co, Kansas

API #15-159-22511-0000

State of Kansas Lease # -

Well Completion

12/07-08/06 Drill out cmt for Bond Log

Drill out DV tool & baffle. Drill to 3302' KB for Bond Log. Run Bond Log...looks good.

03/13-14/07 Drill out to OH TD

Drill out cement in csg & OH. Drill to 3389' KB...TD

#### 03/15/07 Acidize Arbuckle 3309-89' KB

3000 gal 28% HCL. Use jetting tool every joint and acidize @ 4-5bbl/min, 600 psi. TOOH w/tbg and acidize OH w/ 3000 gal 28% HCL. Well taking fluid @ 2.5 bbl/min on vacuum. Ran 102 jts & AD-1 tension packer w/30' tail joint. Pkr set @ 3272' KB in 24K tension. Loaded backside w/50 bbls pkr fluid. (50 bbls water w/6 gals of Baker-Petrolite CRW-37 inhibitor)

DV Tool 1283' KB



Packer Fluid: 50 bbls fresh water (hole loaded),
 w/6 gals of Baker-Petrolite CRW-37 Inhibitor.

Arbuckle Top: 3280' KB

RECEIVED KANSAS CORPORATION COMMISSION APR 0 5 2007

Packer: 3270'

CONSERVATION DIVISION WICHITA, KS

SN: 3269' KB Packer: 3272' EOT: 3304' KB PBTD: NA Packer Shoe: 3309' KB TD: 3389'KB

Open Hole 3309-89' KB