

Confidentiality Requested:

Yes No

Kansas Corporation Commission Oil & Gas Conservation Division

1302931

Form ACO-1 August 2013 Form must be Typed Form must be Signed All blanks must be Filled

WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License #			API No. 15					
Name:			Spot Description:					
Address 1:								
Address 2:			Feet from North / South Line of Sec					
City:	State: Z	ip:+	Fe	eet from East /	West Line of Section			
Contact Person:			_ Footages Calculated from Nearest Outside Section Corner:					
Phone: ()			□ NE □ NW	V □SE □SW				
CONTRACTOR: License #			GPS Location: Lat:	, Long:				
Name:				(e.g. xx.xxxxx)	(e.gxxx.xxxxx)			
Wellsite Geologist:			Datum: NAD27	NAD83 WGS84				
Purchaser:			County:					
Designate Type of Completion:			Lease Name:	W	ell #:			
	e-Entry	Workover	Field Name:					
	_		Producing Formation:					
☐ Oil ☐ WSW ☐ D&A	☐ SWD	∐ SIOW ∏ SIGW	Elevation: Ground:	Kelly Bushing:				
	GSW	Temp. Abd.	Total Vertical Depth:	Plug Back Total D	epth:			
CM (Coal Bed Methane)	dow	Temp. Abd.	Amount of Surface Pipe Se	et and Cemented at:	Feet			
☐ Cathodic ☐ Other (Co	ore, Expl., etc.):		Multiple Stage Cementing	Collar Used? Yes	No			
If Workover/Re-entry: Old Well I			If yes, show depth set:		Feet			
Operator:			If Alternate II completion, c	cement circulated from:				
Well Name:			feet depth to:	w/	sx cmt.			
Original Comp. Date:								
Deepening Re-perf	J	ENHR Conv. to SWD	Drilling Fluid Managemer	nt Dlan				
☐ Plug Back	Conv. to G		(Data must be collected from to					
Commingled	Pormit #:		Chloride content:	ppm Fluid volume	: bbls			
Dual Completion			Dewatering method used: _					
SWD			Location of fluid disposal if	f hauled offsite:				
☐ ENHR								
GSW	Permit #:		Operator Name:					
_ _			Lease Name:	License #:_				
Spud Date or Date R	eached TD	Completion Date or	QuarterSec	TwpS. R	East West			
Recompletion Date		Recompletion Date	County:	Permit #:				

AFFIDAVIT

I am the affiant and I hereby certify that 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.

Submitted Electronically

KCC Office Use ONLY							
Confidentiality Requested							
Date:							
Confidential Release Date:							
Wireline Log Received							
Geologist Report Received							
UIC Distribution							
ALT I II Approved by: Date:							

Page Two



Operator Name:				_ Lease Na	ıme:			Well #:	
Sec Twp	S. R	East V	West	County: _					
open and closed, flow and flow rates if gas t Final Radioactivity Lo	ow important tops of for ving and shut-in pressu o surface test, along wi g, Final Logs run to ob ed in LAS version 2.0 o	res, whether s ith final chart(s tain Geophysi	shut-in pres s). Attach ical Data a	ssure reache extra sheet i nd Final Elec	ed station f more ctric Lo	c level, hydrosta space is neede	atic pressures, ed.	bottom hole temper	
Drill Stem Tests Taker (Attach Additional		Yes	☐ No		L	og Formati	on (Top), Deptl	h and Datum	Sample
Samples Sent to Geo	logical Survey	Yes	No		Name	Э		Тор	Datum
Cores Taken Electric Log Run		☐ Yes ☐ Yes	☐ No ☐ No						
List All E. Logs Run:									
			CASING F	RECORD	Ne	w Used			
		Report all s	strings set-co	onductor, surfa	ace, inte	rmediate, product	tion, etc.		
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)		Weight Lbs. / F		Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
		ΔD	DITIONAL	CEMENTING	2 / 9011	EEZE RECORD	<u> </u>		
Purpose: Depth Top Bottom Perforate Protect Casing Plug Back TD Depth Top Bottom Type of Cement					Sacks Used Type and Percent Additives				
Plug Off Zone									
Does the volume of the t	ulic fracturing treatment or otal base fluid of the hydraring treatment information	aulic fracturing to			-	Yes [No (If No	o, skip questions 2 ar o, skip question 3) o, fill out Page Three	
Shots Per Foot		N RECORD - E					acture, Shot, Cen	nent Squeeze Record	d Depth
	opeony i e	orage or Each I	interval i ent	Stated		(2	inodin and Nina o	i material Oscoj	Вори
TUBING RECORD:	Size:	Set At:		Packer At:		Liner Run:	Yes	No	
Date of First, Resumed	Production, SWD or ENH		ducing Meth	od: Pumping		Gas Lift (Other (Explain)		
Estimated Production Per 24 Hours	Oil Bl	bls.		Mcf	Wate		Bbls.	Gas-Oil Ratio	Gravity
Vented Solo	ON OF GAS: Used on Lease bmit ACO-18.)	Open I		ETHOD OF C	1	Comp. Co	mmingled	PRODUCTIO	ON INTERVAL:

Form	ACO1 - Well Completion
Operator	PetroSantander (USA) Inc.
Well Name	MACKEY 6
Doc ID	1302931

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set			Type Of Cement		Type and Percent Additives
Surface	12.25	8.625	20	403	CLASS C	225	GEL 2%
Production	7.875	5.5	14	4999	50/50 POZ SF	150	NA
Liner	5.5	4.5	12.6	4870	CLASS H	50	FR 0.75%

	PFTR	OSANTAND	ER (USA) INC.	
WELL NAME:	MACKEY 6	AFE#:	Err (cert) iivo.	
REPORTED BY			AY: AUGUST 22, 23, 24, 25, 26 - 2011	
OBJECTIVE:	INSTALL CL	REPORT DAY:	1,2,3,4,5	
RTD:	5000'	CSG. SIZE:	5 1/2"	
PBTD:	4870'	TBG. SIZE:	2 7/8" SEAL TITE	
PERFS: 475	2'-58' 4768'-80'	FORMATION:	MORROW	
24 HOUR SUM	MARY:			
8/22/2011 MIR	U PSI RIG 2	PSI ROUSTABOU	JTS LOCATED LINES TO SET DEADMAN W/O HITTING LINES UNDER	PGPOLIND
***	EASED PKR AND TIH W/ 1 JT			KGKOOND
TOH W/ 2 7/8"	ST TBG AND PERMA LATCH H	ALLIBURTON PKR,	, SINGLING OUT ONTO GROUND W/ THREAD PROTECTORS	
i .	WELL AND SDON		JTS MOVED ST TBG OFF AND 161 JTS 2 3/8" WORKING STRING IN	
8/24/2011 CH	ANGED OUT OLD WELL HEAD			
RIG UP SAND		0' OF IRON-SULFID		
	PRILL BIT, SUB, XO AND 95 JTS			
		2 2/0 100, SINGL	ING IN OFF GROUND	
	WELL AND SDON			
	PACKED WELL AND SINGLED			
	BRIDGE AND TIH W/ 3 JTS TB		ANED OUT 4 GL IRON-SULFIDE AND TAGGED PBTD, LAY DN SAND	PUMP
RIGGED UP TO	D RUN 4 1/2" 12,6# CL	PSI W	NELDER WELDED ON 4 1/2" SHOE	
TIH W/ 14 JTS	CL = 507.99'			
TIH W/ 16 JTS	2 3/8" TBG AND SCREWED IN	TO SHOE		
TIH W/ 4 JTS 2	3/8" TBG	LEFT HANGING -	PACKED OFF WELL AND SDON	
8/26/2011 TIH	W/ 2 3/8" TBG AND SET 4 1/2"			
	/ELL SERVICE W/ 50 SK PREM			*****
	AND ESTABLISHED RATE OF		.70 M T KIO KEBOOLK	
	IT AND PUMP DN TBG @ 2 BPI // 17 BBL WATER, 1 BBL SHY C		EMENT @ 200M @ 4000#	
l				
	OUT OF SHOE AND REVERSE	D COT ANY 20 BBE AN	VATER	
TOH W/ 2 3/8"				
PACKED OFF	WELL AND SDOWE			
DAILY COST S	UMMARY:			
VENDOR	SERVICE	COST		
PSI RIG 2				
	SERVICE UNIT	\$12,000.00		
PSI RB	LOC LINES / MOVE TBG	\$1,500.00		
BASIC	SQUEEZE JOB	\$6,000.00		
BRADY	WATER TRUCKS	\$1,250.00		
SAMS	PKR / MAN	\$7,000.00		
			DAILY COST:	\$27,750.00
			PREVIOUS COST:	Ψ21,130.00

			COST TO DATE:	\$27,750.00

PET	ROSANTAN	IDER	(USA) INC.	.,,,,,		
WELL NAME:	MACKEY 6	AFE#:		/			
REPORTED BY:	GORDON A.	OPERATIO	NS DATE	('S):	APRIL 23 - 2012		
OBJECTIVE:	RUN ON-OFF TOOL	REPORT D	AY ('S):		1		
RTD:	5000'		5 1/2" 15.	5# / 4 1/2" <i>′</i>	12.6# CHROME TOP 4	362'	
PBTD:	4870'	TBG. SIZE		2 3/8" TK			
PERFS: 4768'-80'		FORMATIO	N:	MORROV	V		
SUMMARY OF WORK							
4/23/2012 MIRU PS		DISASSEM	BLED FLC	W LINE			navani
	TOH W/ TBG AND PK	.R					WW.
TIH W/ PKR AND TBO							
	AS I PKR W/ 2' TAIL P	IPE, PROFIL	E NIPPLE	AND ON-C	OFF TOOL		8.35'
144 JTS OD EUE 8RD							4669.81'
TOTAL LENGTH @ K			-				4678.16'
TBG SET 2' BELOW I							4680.16'
	V/ 130 BBL PKR FLUID				11111111111111111111111111111111111111		
	L PKR FLUID, SET PKI	R, PACKED	****				
BLED PRESSURE DO			RDMO HE	ATWAVES	3		
REASSEMBLED FLO	W LINE AND POL						
RDMO PSI RIG 2							
				77.07.74			
				_			
COST SUMMARY:	Table						
VENDOR	SERVICE	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	COST				
PSI RIG 2	SERVICE UNIT		\$3,300.00				
HEATWAVES	PUMP TRUCK	TE TAC:	\$1,000.00				***************************************
SAMS	PKR REDRESS/ON-C	7FF 100L	\$4,000.00				
		·····		****			
			****		IS REPORT:	\$	8,300.00
				PREVIOU		_	
<u> </u>	. 1.			COST TO	DAIE:	\$	8,300.00

ustomer 7	パインへ	(a.ata	1.18/10	Lease No.			Cement Report
ease //	1001	Santon Con	MYF-1			Date	8-06-11
asing	_ :	Depth	et la			Service Receip	01486
ab 70	+() ~	1-1/211/	Formation		- in Neu	State KS	
	T() ~.			··	Gedal pas		23-31
asing size	121	Pipe	T	2 /	Perfora	iting Data	Cement Data
	1	12.60#	Depth	K 11	Sh	ots/Ft	Lead
olume (/X)	13,	13641	Volume 100 -	1.2	From	То	
ax Press			IX X	12 14 71	From	То	
ell Connection	· · · · · · · · · · · · · · · · · · ·		1 100	70 ⁴⁴	From	То	Tail in
ug Depth	· · · · · · · · · · · · · · · · · · · ·		Annulus Vol.		From	То	
			Packer Depth		From	To	-
Liùs b	Casing ressure	Tubing Pressure	Bbls. Pumbed	Rate		<u> </u>	
20				· rate	- 1	Service	
				 	DA 100-5		MADERT
30	• • •					(s-rig 1:	Ω
70		25	18.55	7 =		pating	
'DO		(000	3	3.2		olno 0	
22		<u>₹</u> 20∩		2	aire hal	12031	om @ 1000#
		250 21 3	10.5	<u>J</u>	KNIX + NIX	40 50 st	
					Frictional	leducer -	- 1.18 G3KK
330		1000			nalist (2 15 10#	
	00	1000	17.75	3	dish 17	A series	bol in tuloino
	777	(0	<u> 50</u>	2	TO LOUSE	Mac -re	
	 -	_			Clony		Nivi C
					jobs com	inlote.	
					\mathcal{J}		
		·			•		
							,
- -							
					-	٠.	
·							
						<u> </u>	
ce Units							
Names				· · · · · · · · · · · · · · · · · · ·	· · · · · · · · ·	· ·	
				. ,			
						••	

Taylor Printing, Inc.



1700 S. Country Estates Rd. P.O. Box 129 Liberal, Kansas 67905 Phone 620-624-2277

(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE TICKET 1717 01986 A

DATE OF		• •	DAT	E TICKET NO	o,	· .
DATE OF 3 26-// DISTRICT 17/7		MEN -	OLD ☐ PROD	MDM □ MDM	CUS	STOMER DER NO.:
CUSTOMER POTUS SINTAINDON		LEASE	Mackey	1 #6		WELL NO.
ADDRESS	<u>.</u>	COUNTY	Finne	a ' "	EKS	**##E 14O.
CITY STATE		SERVICE O	, , , , , , , , , , , , , , , , , , ,	11 6	7.1	
AUTHORIZED BY T. BOMMOST	•	JOB TYPE:		ナルクブ・ニス	· (AM)	IM 7
EQUIPMENT# HRS EQUIPMENT#	HRS EQU	JIPMENT#			DATE	ACAMPO home
34776 4		.,		ED AT JOB	DATE/	AND CIME
14354 2			<u> </u>	OPERATION	1	AM 7 7
19578 2				OPERATION		AM CION
19919 2	:	:	RELEA	SED		
				FROM STATION T		CO C CMA
CONTRACT CONDITIONS: (TI The undersigned is authorized to execute this contract as at products, and/or supplies includes all of and only those terms at become a part of this contract without the written consent of an	nd conditions appearing on officer of Basic Energy Ser	the front and bad vices LP.	ck of this document N	cknowledgea that this o additional or substitutional or substituti	contract for the terms and	
REF. NO. MATERIAL, EQUIPMEN	· · · · · · · · · · · · · · · · · · ·	.D .	UNIT QUANT			\$ AMOUNT
C 120 C-3)	a man		5K 50			
	LADEL F MILON	et Ø .	16 36			·
EDYO Blanding HU PM	7 - 0	1.co	130 SK 30	/ 		
For ppart 1. Bulk	D Mora		liens/ 15 12	53		
	(1001- 200B	r	Pr 1		- 	
	Daism		1001 6			
			Pa (
			· · · -		- - - - - - - - - - 	-
		-				
		<u> </u>	<u> </u>			
			<u> </u>			
					++	
	,					
1	:		 			
CHEMICAL / ACID DATA:					- i 3 /	2000
GREWIGAL / ACID DAIA:		· <u>·</u>	·	SUB 7	VIAL D	استار بهاس
		ICE & EQUIP	· ·	TAX ON \$		
			. 9/	GTAX ON \$	C) T A I	
·					OTAL	·
ERVICE						·
ERVICE FRESENTATIVE MILL SUPE	THE ABOVE MATERIA ORDERED BY CUSTO	AL AND SERV DMER AND R	/ICE ECEIVED BY:	Jordan Oli		-

REPRESENTATIVE

IELD. SERVICE ORDER NO.