

Confidentiality Requested:

Yes No

Kansas Corporation Commission Oil & Gas Conservation Division 1303424

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 Section				
City: State: Zip:+	Feet from _ East / _ West Line of Section				
Contact Person:	Footages Calculated from Nearest Outside Section Corner:				
Phone: ()	□NE □NW □SE □SW				
CONTRACTOR: License #	GPS Location: Lat:, Long:				
Name:	(e.g. xx.xxxxx) (e.gxxx.xxxxxx)				
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84				
Purchaser:	County:				
Designate Type of Completion:	Lease Name: Well #:				
New Well Re-Entry Workover	Field Name:				
	Producing Formation:				
☐ Oil ☐ WSW ☐ SWD ☐ SIOW ☐ Gas ☐ D&A ☐ ENHR ☐ SIGW	Elevation: Ground: Kelly Bushing:				
OG GSW Temp. Abd.	Total Vertical Depth: Plug Back Total Depth:				
CM (Coal Bed Methane)	Amount of Surface Pipe Set and Cemented at: Feet				
Cathodic Other (Core, Expl., etc.):	Multiple Stage Cementing Collar Used? Yes No				
If Workover/Re-entry: Old Well Info as follows:	If yes, show depth set: Feet				
Operator:	If Alternate II completion, cement circulated from:				
Well Name:	feet depth to:w/sx cmt.				
Original Comp. Date: Original Total Depth:					
☐ Deepening ☐ Re-perf. ☐ Conv. to ENHR ☐ Conv. to SWD	Drilling Fluid Management Plan				
☐ Plug Back ☐ Conv. to GSW ☐ Conv. to Producer	(Data must be collected from the Reserve Pit)				
	Chloride content:ppm Fluid volume:bbls				
Commingled Permit #:	Dewatering method used:				
Dual Completion Permit #: SWD Permit #:					
SWD Permit #:	Location of fluid disposal if hauled offsite:				
GSW Permit #:	Operator Name:				
	Lease Name: License #:				
Spud Date or Date Reached TD Completion Date or	Quarter Sec TwpS. R				
Recompletion Date 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 III Approved by: Date:							

Page Two



Operator Name:			L	ease Name: _			Well #:	
Sec Twp	S. R	East We	est C	County:				
INSTRUCTIONS: Shopen and closed, flow and flow rates if gas to	ring and shut-in pres	sures, whether sh	ut-in pressur	e reached stati	c level, hydrosta	tic pressures, bott		
Final Radioactivity Lo files must be submitted					gs must be ema	iled to kcc-well-log	gs@kcc.ks.go	. Digital electronic log
Drill Stem Tests Taken Yes No (Attach Additional Sheets)				L		Sample		
Samples Sent to Geo	logical Survey	Yes	No	Nam	e		Тор	Datum
			No No					
List All E. Logs Run:								
		(CASING REC	ORD Ne	w Used			
		· ·		ıctor, surface, inte	ermediate, producti		T	
Purpose of String	Size Hole Drilled	Size Casin Set (In O.D		Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
		ADD	ITIONAL CEN	MENTING / SQL	JEEZE RECORD			
Purpose:	Depth Top Bottom	Type of Cem	ent #	# Sacks Used Type and Percent Additives				
Perforate Protect Casing	100 20111111							
Plug Back TD Plug Off Zone								
1 lag on zono								
Did you perform a hydrau	ulic fracturing treatment	on this well?			Yes	No (If No, ski)	o questions 2 ar	nd 3)
Does the volume of the to		•				_	o question 3)	(" 100 ")
Was the hydraulic fractur	ing treatment information	on submitted to the c	hemical disclo	sure registry?	Yes	No (If No, fill o	out Page Three	of the ACO-1)
Shots Per Foot		ION RECORD - Bri Footage of Each Int				cture, Shot, Cement		d Depth
	, ,				,		,	
TUBING RECORD:	Size:	Set At:	Pa	acker At:	Liner Run:			
						Yes No		
Date of First, Resumed	Production, SWD or Ef		cing Method: owing	Pumping	Gas Lift C	ther <i>(Explain)</i>		
Estimated Production Per 24 Hours	Oil	Bbls. G	as Mcf	Wate	er Bl	ols. G	ias-Oil Ratio	Gravity
DIODOCITI	ON OF CAS:		RACT!!		TION		DRODUCTIO	AN INTEDVAL.
Vented Solo	ON OF GAS: Used on Lease	Open Ho		IOD OF COMPLE \Box		nmingled	PHODUCIIC	ON INTERVAL:
	bmit ACO-18.)	Other (S	necify)	(Submit		mit ACO-4)		

Form	ACO1 - Well Completion			
Operator	PetroSantander (USA) Inc.			
Well Name	Nelson 2-2			
Doc ID	1303424			

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement		Type and Percent Additives
Surface	12.25	8.625	20	474	CLASS H		GEL 2% CC 3%
Production	8.875	5.5	14	4883	50/50 POZ		SALT 18% GEL 2% CFR2 0.75%
Liner	4.875	4.5	12.6	4768	COMMON	100	NA

PETROSANTANDER (USA) INC.

WELL NAME:	NELSON 2-2	AFE#:			N	
REPORTED BY:	RON KREGER	OPERATIONS	DATE:	JANUARY 25,26,27,2011		
OBJECTIVE:	WORK OVER	REPORT DAY:	****	5,6,7		The second secon
RTD:	4884'	CSG. SIZE:	***************************************	5 1/2"		
PBTD: 4853' CI	BP@ 4774'	TBG. SIZE:		2 3/8" WORKING STRING		
PERFS:	4746 - 4766'	FORMATION:		MORROW		
24 HOUR SUMMARY	E .					
01-25-11 REPAIRE	ED SLIPS AND TOH WITH T	BG AND ANCHO	R FOUND	BROKEN SLIP ON TOP O	F ANCI	HOR
TIH WITH TAC AND						
GOT INTO LINER WI	TH ANCHOR AND SET ANC	CHOR			•	
TOH WITH TBG AND	LINER LAYING LINER DOV	VN TO CHECK FO	OR DAMA	GE ALL LOOKED OK		
CUT OFF OLD CEME	NT SHOE AND WELDED N	EW ONE ONTO I	Т		-	
TIH WITH LINER AGA	AIN AND TIH WITH TBG AG	AIN TIED INTO LI	NER AND	RAN TO BTM.		
BTM OF LINER AT 47	'68' TOP OF LINER AT 4263	B' BY TBG TALLE	Y			300000
01-26-11 MIRU CO	NSOLIDATED OIL WELL SE	RVICES TO CEM	IENT LINI	ER IN PLACE		
LOADED TBG WITH	18 BBL FRESH WATER, PU	MPED 5 BBL OF	DYE WAT	TER,		
MIXED 50 SKS CLAS	S A CEMENT AND PUMPED	DOWN TBG DIS	PLACED	W/17 BBL FRESH WATER	1	
SHUT DOWN AND R	ELEASED PRESSURE SHO	E HOLDING NO F	LOW BA	CK		
BACKED TBG OUT C	F FLOAT SHOE AND WASH	HED OUT LINER A	AND TBG			
TOH WITH TBG STR	NG WELL WOULD NOT QU	JIT FLOWING BA	СК			
TIED PRESSURE TR	UCK ONTO WELL AND PUT	T 500 PSI ON SDO	NC			
	ILL FLOWING BACK ,TIH W					
	3' AND TOOK INJECTION F					
	IMON AND PUMPED CEME					
	PSIG RELEASED AND DID			SED OUT		
PULLED 10 JOINTS A	ND PRESSURED TO 750 P	SIG SHUT WELL	IN			service to the servic
	MANUAL CONTRACTOR CONT	****				
****					THE CO.	
				. Shirts		
VENDOR	SERVICE	соѕт				
PSI RIG 1	SERVICE UNIT	\$ 10,000.00			+	
SAMS	TOOLS & SERVICES	\$ 8,675.00	***************************************		<u> </u>	111111111111111111111111111111111111111
CONSOLIDATED	CEMENTERS	\$ 6,850.00				
ECWS	TOOL RENTAL	\$ 700.00	······································			

			300			
			AILY CO	ST:	\$	26,225.00
		<u> </u>	REVIOUS	S COST:		20,050.00
784	COST TO DATE: \$					46,275.00

PETROSANTANDER (USA) INC.

VAVEL I BLABAS	NELSON 2.2			7 1110	J.	The state of the s	···	
WELL NAME				DATE	IANULADY CA			4.4
				DATE:	JANUARY 31, FE	-BRUARY 3	,4,5,20	11
OBJECTIVE			ORT DAY	*	8,9,10,11			
RTD:	4884'	CSG.			5 1/2"			
PBTD:	4853' CIBP 4774 BTM LIN				2 3/8" WORK ST	RING		
PERFS:	4746' - 4762'	FORM	MATION:		MORROW		····	
24 HOUR SU								***
	TOH WITH TBG AND PAC							
	7/8" BIT ON 2 3/8" TBG TA				OKE CIRCULATION	ON BEGAN	DRILL	NG
	RD CEMENT TO TOP OF	LINER AT 4263' W	ASHED	CLEAN				
	BG AND BIT		Market .					
	1/4" BIT ON 2 3/8" TBG DR			JOINT				
	LEAN AND SHUT DOWN [
	S WAS BAD WEATHER W							
	GOT EQUIPMENT THAWE		KE CIRC	ULATION E	BEGAN DRILLING	3		
	4365' CIRR. WELL CLEAN							
02-04-11	TAGGED UP BROKE CIRF	AND BEGAN DRI	LLING					
COULD NOT	MAKE NO HOLE TOH AN	D CHANGED DRIL	L BITS					
TIH TAGGE	UP AND BEGAN DRILLIN	IG						
DRILLED TO	4525' CIRR HOLE CLEAN	AND SDON						
02-05-11	AGGED UP BROKE CIRR	AND BEGAN DRIL	LING					200,000
DRILLED OL	IT TO 4767' BY TBG TALLI	ΕY					*******	
CIRR HOLE	CLEAN		T-100					
TOH WITH 2	0 JOINTS LAYING DOWN							
SDOWE								

					***************************************		.	
VENDOR	SERVICE	соѕт						
PSI RIG 1	SERVICE UN		000.00					
ECWS	DRILL OUT		700.00					
PSI WATER	WATER TRU		500.00					
			200.00					
	4000							
		-						
				DAILY) }T.		Φ.	00.000.00
				DAILY COS			\$	23,200.00
				PREVIOUS				46,275.00
			(COST TO DATE: \$			69,475.00	

	PETR()SANT/	ANDER (USA) INC.		
WELL NAME:	NELSON 2-2	AFE#:	ANDLIN (USA) INC.		
REPORTED BY:	GORDON A.		NS DAY: APRIL 7,14,15,18,19,20 - 201	4	
OBJECTIVE:	W/O	REPORT D		1	
RTD:	4884'	CSG. SIZE:		4 1/2" 12 6# C	HROME LINER 4263'-4767'
PBTD: LINER	3TM @ 4767'	TBG. SIZE:		12.017 0	AINCHIE EINER 4200 -4707
PERFS:	4746'-4762' 4 SPF	FORMATIO			
24 HOUR SUMMAR	RY: 4/7/2011 MIRU S.W. ACI	D TRIED TO	PUMP ACID BUT ZONE WOULDN'T BI	REAK @ 3500# -	RDMO S. W. ACID
4/14/2011 MIRU R	ICKS WELL SERVICE				
RELEASED PKR A	ND TOH W/ TBG AND PKR				
MIRU LOG-TECH	TIH W/ GUN AND	CORRELATE	ED TO CBL - COULD NOT GET TO BO	ГТОМ	STACKING OUT @ 4746'
RD LOG-TECH					
RIG UP SAND PUN	IP AND TIH W/ FLAT BOTTO	M AND CHIS	SEL AND COULD NOT GET PAST 4746	1	LAID SAND PUMP DOWN
MO LOG-TECH	PACKED OFF WE				
	ORKING TODAY DUE TO HIG				
	JSTABOUTS MOVED IN 181		BG WORKING STRING		
	ORD REVERSE UNIT	0.0200	20 HOMANO OTRINO		
		0 4767' - EEI	T A LITTLE DRAG @ 4746' WHERE W	E WEDE STACK	INC OUT
	NG DN 4 JTS AND STANDIN			E WERE STACK	ING OUT
	L AND SDON			1411 110 110 110 110 110 110 110 110 110	
			TRUCK FILLED CIRCULATING TANK	W/ 70 BBL LEAS	SE WATER
			LARS AND 144 JTS 2 3/8" TBG		
	W/ SWIVEL AND STARTED		BROKE CIRCULATION RIGH	IT AWAY	
	ND DOWN THRU TIGHT SP		The state of the s		
1			R 2 HRS, GETTING FULL RETURNS		
	400# AND HELD - NO FLOW	BACK			
LAID SWIVEL DOW					
	LING OUT ONTO GROUND				
PACKED OFF WEL	L AND SDON				/
4/21/2011 MIRU L			AND CORRELATED TO CBL, SHOT P	ERFS 4746'-476	2' 4 SPF - RDMO LOG-TECH V
TIH W/ 4 1/2" X 2 3/	8" AS I NICKEL COATED PK	R W/ PLAST	IC LINER AND 2' TAILPIPE		9.0'
145 - JTS 2 3/8" OE	EUE 8RD TK-15 TBG - 4690	0.00'	TOTAL LENGTH @ KB = 4699.00'	TBG SET 2' BI	ELOW KB = 4701.00'
PACKED OFF WEL	L MIRU S. W. ACID S	SERVICES W	// 2000 GL 15% HCL W/ INHIB, CLAYS	TAY, NE, SF - MI	RU BRADY W/ 210 BBL PKR FL
DISPLACED ANNU			PRESSURED TO 400# - HELD - PRES		
			R FL, 1500# AVG - ISIP 1050#- 5 MINS		
			E AND POL @ 300 BPD @ 25# TBG PS		
DAILY COST SUM					
VENDOR	SERVICE	COST			
RICKS	SERVICE UNIT	\$12,000.00			
LOG-TECH	PERFS	\$3,500.00			
S.W. ACID	ACID BREAK DOWN	\$2,600.00			
WEATHERFORD	REV CIR - FISHERMAN	\$6,000.00			
SAMS	RECONDITION PKR	\$1,500.00			
PSI					
	ROUSTABOUTS	\$1,500.00		-	
BRADY	WATER TRUCKS	\$750.00			
		-			
			DAILY COST:		\$27,350.00
			PREVIOUS COST:		

COST TO DATE:

\$27,350.00

PFT	ROSANTAN	DER /	1101	INC		
			USA) IIVC.		
WELL NAME: REPORTED BY:		AFE#:	IC DATE	<u>''</u>	ADDII 00 00/0	
OBJECTIVE: RUN O		OPERATION REPORT DA	Y ('S)	(3):	APRIL 26 - 2012	
RTD:				5# / 4 1/2" ·	12.6# CHROME TOP 42	63'
PBTD:		TBG. SIZE	<u> </u>	2 3/8" TK		.00
PERFS:		FORMATION	ł:	MORROV		
SUMMARY OF WORK	PERFORMED:					MAN.
4/26/2012 MIRU PSI	RIG 2	DISASSEME	BLED FLO	W LINE		
RELEASED PKR AND	TOH W/ TBG AND PKR	2				
TIH W/ PKR AND TBG	S AS FOLLOWS:					
4 1/2" X 2 3/8" NC, PL	. AS I PKR W/ 2' TAIL PIF	PE, PROFILI	NIPPLE	AND ON-C	OFF TOOL V	8.35
145 JTS OD EUE 8RD	TK-15 TBG					4690.00
TOTAL LENGTH @ K	B =					4698.35
TBG SET 2' BELOW	⟨B =					4700.35
MIRU HEATWAVES W	// 130 BBL PKR FLUID					
*****	L PKR FLUID, SET PKR,	BACKED C	DEE AND I	DESCUE	=D TO 4000# DIDNIT I	101 B
EQUILIZED W/ TBG P						10LD
REASSEMBLED FLO			KDINIO HE	ATWAVES		
RDINO PSI RIG 2 DUE	TO SPINKLER COMING	j				

WILL GO BACK IN AN	ID RUN DIFFERENT PAC	CKER				
- 1111111 - 14			****			
				Ne.		
					THE STATE OF THE S	
				7-1		
COST SUMMARY:	Ta					
VENDOR PSI RIG 2	SERVICE		COST			**
HEATWAVES	SERVICE UNIT		\$3,300.00			
SAMS	PUMP TRUCK PKR REDRESS/ON-OF		\$1,000.00 \$4,000.00			***
VAITO	I VI VEDVESSION-OL	I TOOL	₽ 4 ,∪∪∪.∪U			
					S REPORT:	\$ 8,300.00
				PREVIOU		
				COST TO	DATE:	\$ 8,300.00

PE	TROSANTA	NDER (USA) INC.
WELL NAME:	NELSON 2-2	AFE#:
REPORTED BY:		OPERATIONS DATE ('S): MAY 24 - 2012
OBJECTIVE: RU	N ON-OFF TOOL	REPORT DAY ('S): 4
RTD:	4884'	CSG. SIZE: 5 1/2" 15.5# / 4 1/2" 12.6# CHROME TOP 4263'
PBTD:	4767'	TBG. SIZE 2 3/8" TK15
PERFS:	4746'-62'	FORMATION: MORROW
	ORK PERFORMED:	
5/24/2012 CSG 1	I5 PSIG RELEAS OFF TOOL AND TBG AS	SED PRESSURE AND UNPACKED WELL
		_PIPE, PROFILE NIPPLE AND ON-OFF TOOL 8.35'
	EUE 8RD TK-15 TBG	4690.00'
TOTAL LENGTH @) KB =	4698.35'
TBG SET 2' BELO	W KB =	4700,35'
MIRU HEATWAVE	S W/ 130 BBL PKR FLU	IID, CIRCULATED 110 BBL, SET PKR AND PRESSURED TO 1500#
		US, RELEASED PRESSURE - RDMO HEATWAVES
	AND TOH W/ TBG AND F	
		FOLLOWS, TESTING TBG TO 6000#
		DIDE DECEMENTATION OF THE PROPERTY OF THE PROP
		PIPE, PROFILE NIPPLE AND ON-OFF TOOL 8.35'
	EUE 8RD TK-15 TBG	4690.00'
TOTAL LENGTH @		4698.35'
TBG SET 2' BELO	W KB =	4700.35'
FOUND PIN HOLE	IN BOTTOM JT AND RE	PLACED
MIRU HEATWAVE	S W/ 130 BBL PKR FLU	ID, CIRCULATED 110 BBL, SET PKR AND PRESSURED TO 1500#
	, BLED PRESSURE DO	
HOOKED UP FLO		SDON
		ODON
5/25/2012 RDMO	DEL DIC 1	
3/23/2012 RDIVIO	rai Riu Z	
COST SUMMARY:		
VENDOR	SERVICE	COST
PSI RIG 2	SERVICE UNIT	\$4,500.00
HEATWAVES	PKR FL / PUMP TR	
SAMS	REDRESS PKR	\$2,000.00
		7-,000
		COST THIS REPORT: \$ 8,000.00
		PREVIOUS COST: \$ 21,500.00
		COST TO DATE: \$ 29,500.00