Confidentiality Requested: Yes No

KANSAS CORPORATION COMMISSION **OIL & GAS CONSERVATION DIVISION**

1228809

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 Dorth / South Line of Section
City: State: Zip:+	Feet from East / West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	
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: Well #:
New Well Re-Entry Workover	Field Name:
	Producing Formation:
	Elevation: Ground: Kelly Bushing:
Gas D&A ENHR SIGW	Total Vertical Depth: Plug Back Total Depth:
GG GSW Temp. Abd.	Amount of Surface Pipe Set and Cemented at: Feet
CM (Coal Bed Methane)	Multiple Stage Cementing Collar Used? Yes No
Cathodic Other (Core, Expl., etc.):	
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)
Commingled Permit #:	Chloride content: ppm Fluid volume: bbls
Dual Completion Permit #:	Dewatering method used:
SWD Permit #:	Location of fluid disposal if hauled offsite:
ENHR Permit #:	
GSW Permit #:	Operator Name:
	Lease Name: License #:
Spud Date or Date Reached TD Completion Date or	Quarter Sec 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 Name:	Well #:
Sec TwpS. R East West	County:	

INSTRUCTIONS: Show important tops 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken (Attach Additional She	eets)	Yes No		-	n (Top), Depth ai		Sample
Samples Sent to Geolog	ical Survey	Yes No	Nam	e		Тор	Datum
Cores Taken Electric Log Run		☐ Yes ☐ No ☐ Yes ☐ No					
List All E. Logs Run:							
		CASING Report all strings set-o	RECORD Ne		on, etc.		
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
		ADDITIONAL	CEMENTING / SQU	JEEZE RECORD			
Purpose: Perforate	Depth Top Bottom	Type of Cement	# Sacks Used		Type and F	Percent Additives	
Protect Casing Plug Back TD							
Plug Off Zone							

Did you perform a hydraulic fracturing treatment on this well?	Yes
Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?	Yes
Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?	Yes

No	(If No, skip questions 2 and 3)
No	(If No, skip question 3)

No

(If No, fill out Page Three of the ACO-1)

Shots Per Foot		PERFORATION Specify For	RECOF	RD - Bridge P Each Interval F	lugs Set/Typ Perforated	e	,		ement Squeeze Record I of Material Used)	Depth
TUBING RECORD:	Siz	ze:	Set At:		Packer	At:	Liner R	un:	No	I
Date of First, Resumed	Date of First, Resumed Production, SWD or ENHR. Producing Method:			Gas Lift	Other (Explain)					
Estimated Production Per 24 Hours		Oil Bb	ls.	Gas	Mcf	Wate	ər	Bbls.	Gas-Oil Ratio	Gravity
DISPOSITI		246.	METHOD OF COMPLETION: PRODUCTION INTERVAL							
Vented Solo		Jsed on Lease		Open Hole	Perf.	Dually	Comp.	Commingled		ILNVAL.
(If vented, Su	bmit ACO	-18.)		Other (Specify)		(Submit /	,	(Submit ACO-4)		

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

Air Drilling Specialist Oil and Gas	Air Drilling Specialist Oil and Gas Wells	<u>0</u>			Offi	M.O.K.A.T. DRILLING Office Phone: (620) 879-5377	T. DR 9: (620)	ILLING 879-537	2	~~~~~			Cane	P.O. Box 590 Caney, KS 67333	c 590 7333
Operator	for	ERS OPERATING CO. LLC	Well No	No. 1-B		Lease	se NELLIE MOORE	E Loc.	14	1/4	1/4	S	Sec. 33 Twp.		Rge, 13
			County	CHAIIT	ty CHAITTALIOLIA	State K	ks	Type/Well		Depth 1715'	Hours		Date Started 12/31/13	Date C	Date Completed 1/3/14
Job No.		Casing Used	"0/2 0 iC/			A CONTRACTOR	Bit Record	a current a	- F			Coring	Coring Record	- F	% Rec
Driller		Cement Ilsed	N	-	BIT NO.	lype	size			DIL NO.	rype	2710		2	
		TOOTIE	8				6 3/4"								
Driller		Rig No.													
Driller		Hammer No.													
		-				Format	Formation Record	cord					-		
From	To				Formation	uo	From	To	For	Formation	Ē	From To	0	Formation	u
0	42	URFACE	-		SHALE	(D)					+	+			
198	861	SHALE/ SANDY SHALE SHALF	1208 1241		RI ACK SHALF	IALF					+	-			
277	280		1250 127	4	LIME										
280	340	SHALE	$ \rightarrow $	\square	BLACK SHALE	IALE									
365	365 418	SANDY SHALE / SHALE	1278 1290 1290 1685	_	LIME SHALF/ SANDY SHALE	V SHALE					+	-			
418	420		-	2	CHAT/ LIME (MI	(ISSISSIPPI)									
420	470											+			
470	519	SAND/ SANDY SHALE									+	+			
520	530	SHALE			1.1.1.1							+			
530	660	SAND													
660	684	SHALE													
684 688	688	LIME SANDY SHALF										-			
700	720	SANDY SHALE/ SAND													
720	745	SAND						+			+	+			
745	875	SHALE SHALE/I DAF									╋	+			
6/8	894 906	SHALE/ LIME LIME										+			
906	606	SANDY SHALE										-			
606	912	SAND (WAYSIDE)													
912	952	SHALE										-			
952	985	LIME (ALTAMONT)	+	+				+				+			2
904	1010	OII ODO										┼			
0101	1014	SHALE									Η	$\left \right $			
1014	1022	SAND (OIL ODOR)										_			
1022	1106	SHALE										+			
0011	1711	LIME (PAWNEE)(ULL UDUK)		-				-				-			

TICKET NUMBER	58436
FIELD TICKET REF #	49213
LOCATION Thay	er,
FOREMAN ADITO	TI Phinkus

Oil Well Services, LLC

PO Box 884, Chanute, KS 66720 620-431-9210 or 800-467-8676

TREATMENT REPORT

DATE CUSTOM	ER# WELL	NAME & NUME	BER	SECTION	TOWNSHIP	RANGE	COUNTY	
5-19-19	Nellie	Moore	#1-13	33	33	15	MG	
CUSTOMER	Sector and the sector	C 0 1		K afety	Meeting	attender		
ERSOD	ertating,	S. Rick	COOCH	TRUCK #	DRIVER	TRUCK #	DRIVER	
MAILING ADDRESS	ton These CVC In	mer agroos th	/	476	Tosh	is meaned by f	altoiney's fo	
ormation except where	a the use of such as		eme	490	LARTY	the function of the	adams vara	
CITY	STATE	ZIP CODE		482	Mark	ganograms ro	e annuasoa	
				582	Matt			
The manine sant	i have not see that a	and high	and the second sec	618795	Jac			
V	VELL DATA	portablem	Altrof	6797102	Junior			
CASING SIZE 41/2	TOTAL DEPTH	non al constru			TYPE OF TR	EATMENT	1.7.1179.72	
CASING WEIGHT				Acidspot + Frac				
TUBING SIZE	PACKER DEPTH			CHEMICALS				
TUBING WEIGHT	OF OPEN HOLE	Calledo (Calano		KCLSUB-Biocide -Breaker				
PERFS & FORMATION 42	11	1.2.2.117.7.3	14.17	Acid-Ir	mibitor	-Stimo		
735-45 (9	() Red So	ind	NON	Claventrol				
bas graspassian -	The time a law	the same are					HON TROADS	
TO VENABRAN VI		AL SIG 220						
STAGE	BBL'S PUMPED	INJ RATE	PROPPANT PPG	SAND / STAGE	PSI	n ed ton liane	23000 (6)	
PAD	25	20	110	ne esoyolgeso n	450	BREAKDOWN	2000	
16-30	ing indiana prizolo	20	,5-110	300#	500	START PRESSU	IRE	
12-20		20	110	END PRESSURE				
12-20		19	2.0	27004	500	BALL OFF PRESS		
12-20 (10)+(8)	19	Ø-15		750/1300	ROCK SALT PRESS		
12-20		19	1.0	tout max output	W of other last	ISIP 325	5	
12-20		19	2.0	1500#-	1100	5 MIN	Congoli concella	
12-20 (5)	272)	20-14	1.0	2000 10 MIN			normaes (4)	
12-20	()	14	1.5	en a solbra ilse	2300	15 MIN	South the state	
12-20		14	2,0	1500A	1700	MIN RATE	ant and and a	
FLUSH CASIN	VG 15	19	T	dio saostos on	1400	MAX RATE	d homidhoe	
Release ball	STOTID.		TOTAL	6,000 #		DISPLACEMEN	12,0	
OVERFLUSH	10	20	SAND	w you in to to to	700	mesnectiven	and the second second	
TOTAL BBI	5 190			081,0290 200 10 10	The second second	1.30 503 503 03	W 091000000	
REMARKS: L held safety-procedure meeting before frac								
- A more process in any processing								
Spatted 100 ad -15% HCLaud on perfs								
1	901.	10.00		P	when delivering	inen onde sener	NO.10 MILLION	
			31	ing of plugging, (ghind automan. ac	initiged float she	or flashing, p	
1			1	Well, or become	out on her in the	i galoo aloop oli	e (me down ad	
location ,	2:30PM	- 3:0	15PM	no pro vie jakas Il sel noracionali	50.	: miles	r and the scalars. Turch destruit	
	h Perord	ny	TITLE			DATE 5-19	-14	
AUTHORIZATION			TITLE	INTE BURE SU SEL	Call 10 100000	DATE	//	

Terms and Conditions are printed on reverse side.

CONSOLIDATED Consolidated Oil Woll Consistent His	MAIN OFFICE P.O. Box 884
Oil Well Services, LLC Dept. 970 P.O. Box 4346 Houston, TX 77210-4346	Chanute, KS 66720 620/431-9210 • 1-800/467-8676 Fax 620/431-0012
INVOICE	Invoice # 266983
Invoice Date: 03/31/2014 Terms: 0/30/10,n/30	Page 1
PEMCO 1102 N. LENAPAH SKIATOOK OK 74070 () - KS NELLIE MADER 1 45928 03-28-2014 KS	B1
Part Number Description Otv	
1126OIL WELL CEMENT190.001118BPREMIUM GEL / BENTONITE300.00	Unit Price Total 19.7500 3752.50
1107A PHENOSEAL (M) 40# BAG) 60.00	1.3500 81.00
1110AKOL SEAL (50# BAG)1150.001111SODIUM CHLORIDE (GRANULA1250.00	
Sublet PerformedDescription9996-170CEMENT MATERIAL DISCOUNT	Total -1474.80
Description 445 CEMENT PUMP 445 EQUIPMENT MILEAGE (ONE WAY) T-103 WATER TRANSPORT (CEMENT) 515 MIN. BULK DELIVERY 515 80 BBL VACUUM TRUCK 3.00	Unit Price Total 1085.00 1085.00 4.20 168.00 120.00 360.00 368.00 368.00 100.00 300.00
Amount Due 7499.33 if pai	d after 04/10/2014
Parts: 4916.00 Freight: .00 Tax: 211.6	
Labor: .00 Misc: .00 Total: 5933.8 Sublt: -1474.80 Supplies: .00 Change: .0	3 0
Signed	Data
BARTLESVILLE, OK EL DORADO, KS EUREKA, KS PONCA CITY, OK OAKLEY, KS OTTAWA, KS THAY	Date
918/338-0808 316/322-7022 620/583-7664 580/762-2303 785/672-8822 785/242-4044 620/83	zk, KS GILLETTE, WY CUSHING, OK 9-5269 307/686-4914 918/225-2650