

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

1084168

Form ACO-1 June 2009 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:		Sec	TwpS. R 🗌 East 🗌 West
Address 2:		Fe	eet from North / South Line of Section
City: State: Zip:	+	Fe	eet from East / West Line of Section
Contact Person:		Footages Calculated from I	Nearest Outside Section Corner:
Phone: ()			
CONTRACTOR: License #			
Name:			Well #:
Wellsite Geologist:			vven #
-			
Purchaser:			
Designate Type of Completion:	-		Kelly Bushing:
New Well Re-Entry	Workover	Total Depth: Plu	ug Back Total Depth:
Oil WSW SWD	SIOW	Amount of Surface Pipe Se	et and Cemented at: Feet
Gas D&A ENHR	SIGW	Multiple Stage Cementing	Collar Used? 🗌 Yes 🗌 No
☐ OG ☐ GSW	Temp. Abd.	If yes, show depth set:	Feet
CM (Coal Bed Methane)		If Alternate II completion, c	ement circulated from:
Cathodic Other (Core, Expl., etc.):		feet depth to:	w/sx cmt.
If Workover/Re-entry: Old Well Info as follows:			
Operator:		Drilling Fluid Managemer	at Blan
Well Name:		(Data must be collected from th	
Original Comp. Date: Original Tota	al Depth:	Oblarida contenti	ppm Fluid volume: bbls
Deepening Re-perf. Conv. to E	NHR Conv. to SWD		
Conv. to G	SW	Dewatering method used: _	
Plug Back: Plug I Plug	Back Total Depth	Location of fluid disposal if	hauled offsite:
Commingled Permit #:		Operator Name	
Dual Completion Permit #:			License #:
SWD Permit #:			
ENHR Permit #:			TwpS. R East West
GSW Permit #:		County:	Permit #:
	Completion Date or Recompletion Date		

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					
Letter of Confidentiality Received					
Date:					
Confidential Release Date:					
Wireline Log Received					
Geologist Report Received					
UIC Distribution					
ALT I II III Approved by: Date:					

	Side Two	1084168
Operator Name:	Lease Name:	Well #:
Sec TwpS. R East _ West	County:	

INSTRUCTIONS: Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken (Attach Additional She	eets)	Yes No)	☐ Log Name	Formatior	n (Top), Depth an		Sample
Samples Sent to Geolog	gical Survey	Yes No)	Name			Тор	Datum
Cores Taken Electric Log Run Electric Log Submitted B (If no, Submit Copy)	Electronically	Yes No Yes No Yes No	>					
List All E. Logs Run:								
		CAS	ING RECORD	New	Used			
		Report all strings	set-conductor, surfa	ace, interm	nediate, productio	on, 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

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose: Perforate	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
Protect Casing Plug Back TD				
Plug Off Zone				

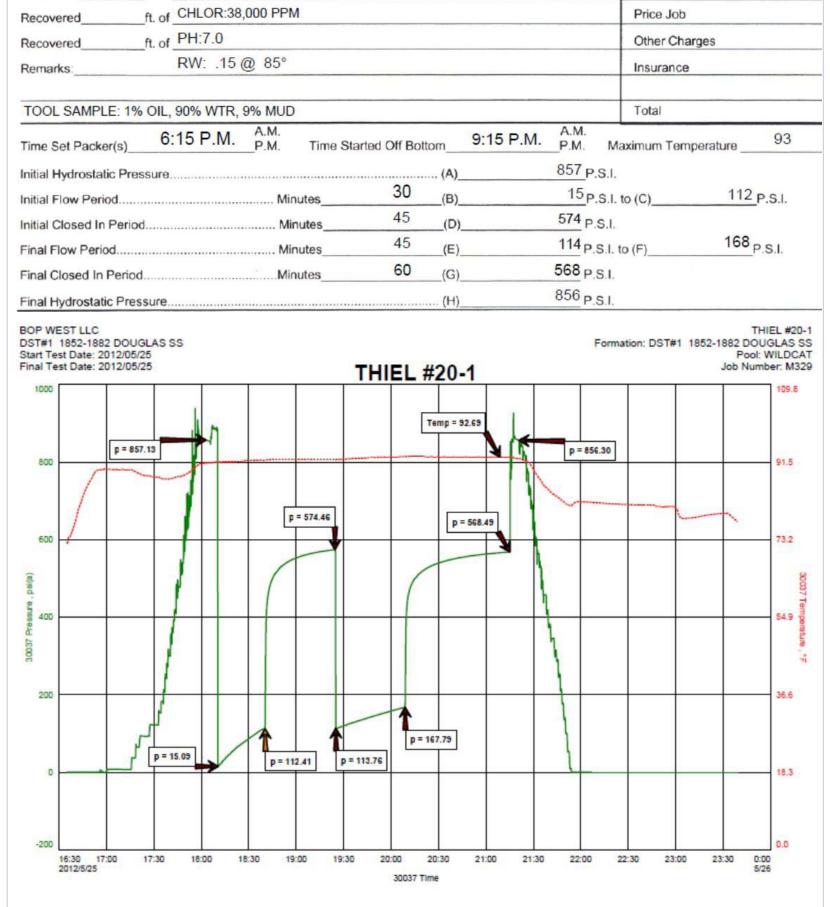
Shots Per Foot		PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated						ement Squeeze Record of Material Used)	Depth	
TUBING RECORD:	Siz	ze:	Set At:		Packer	r At:	Liner F	Run:	No	
Date of First, Resumed	Product	ion, SWD or ENHF	λ .	Producing M	1ethod:	ping	Gas Lift	Other (Explain)		
Estimated Production Per 24 Hours		Oil Bb	ls.	Gas	Mcf	Wate	ər	Bbls.	Gas-Oil Ratio	Gravity
DISPOSITI	ON OF C	BAS:			METHOD	OF COMPLE	TION:		PRODUCTION IN	TERVAL:
Vented Solo		Jsed on Lease		Open Hole	Perf.	Dually (Submit)	Comp. AC <i>O-5)</i>	Commingled (Submit ACO-4)		
(If vented, Su	bmit ACC)-18.)		Other (Specify)						

Form	ACO1 - Well Completion
Operator	BOP West, LLC
Well Name	Thiel 20-1
Doc ID	1084168

Tops

Name	Тор	Datum
Heebner	1845	-508
Douglas ss	1878	-541
Brown Im	2009	-672
Lansing	2060	-723
Stark	2323	-986
Hushpuckney	2356	-1019
ВКС	2393	-1056
Marmaton	2408	-1071
Cherokee	2577	-1240
Mississippian	2666	-1329
RTD	2672	-1335

I I	2393 -1056 2408 -1071 2577 -1240 2666 -1329 2672 -1335 9-16S-1W, Teichgraeber Oil, Agin #3 20-16S-1W, Glacier Pet, Hunter #6	1845 1845 2009 2060 2323 2356	COMPANY BOP West, LLC LEASE Thiel #20-1 FIELD Hunter LOCATION 1,361 FNL & 404' FWL SEC 20 TWSP 16S RGE 1W SEC 20 TWSP 16S RGE 1W SEC 20 TWSP 16S RGE 1W COUNTY Saline STATE Kansas CONTRACTOR C & G Drilling, Rig #2 SAMPLES SAVED FROM 5-27-12 SAMPLES SAVED FROM 1700 TO RTD	INDEPENDENT PETROLEUM PRODUCERS BOP WEST, LLC P.O. BOX 129 Wooster, OHIO 44691 330-264-8847 FAX 330-263-4222 BANDOLOGICAL REPORT DRILLING TIME & SAMPLE LOG REPORT PREPARED BY FRANK S. MIZE/GEOLOGIST
Image: set in the set	-LS	-507 -502 -492 -539 -533 -523 -671 -660 -723 -719 -987 -981 -1019 -1012	ELEVATION K.B. 1337 D.F. 1328 G.L. 1328 DEPTH MEASURED FROM og Drilling value Casing urface 8 5/8" @ 212 w/140 s turface 8 5/8" @ 2668' w/100 Elocg B. ELOG C. pri	API # 15-169-5
			to coarsely crystalline, dense, much shell hash, no visible porosity, no show Shale: gray Limestone: gray, fine grained, slightly chalky, poor	SHALE SANDSTONE LIMESTONE DOLOMITE HALITE
Image: set in the set			Shale: black, carbonaceous Limestone: beige to gray, medium to coarsely crystalline, poor intercrystalline porosity, no show, trace green to gray shale Limestone: light brown to gray, coarsely crystalline to fine grained micritic, little visible porosity, no show Limestone: dirty gray, fine crystalline, highly fossiliferous with good fossil porosity, no show Limestone: off white to light brown, fine to medium crystalline, highly fossiliferous, fair to good fossil porosity, no show Limestone: off white to light brown, fine to medium crystalline, densely oolitic, oolicastic, poor interoolitic porosity, no show	
NoteNo		#1	little visible porosity, no show Limestone: off white to light brown, coarsely crystalline, dense, no visible porosity, no show Limestone: gray, coarsely crystalline, trace chalky, most dense, no visible porosity, no show Shale: black, carbonaceous Limestone: brown, coarsely crystalline, dense, no porosity, no show, slightly fossiliferous Shale: gray to grayish green Limestone: dull brown, coarsely crystalline, dense, no visible porosity, no show Shale: gray to grayish green Limestone: dull brown, coarsely crystalline, dense, no visible porosity, no show Shale: gray to grayish green	Toronto 1863 -526
		Results Below 1900	Shale: gray, arrenaceous, silty Sandstone: gray, very fine grained, well sorted, well cemented, no show, much gray shale Sandstone: gray, very fine grained, well sorted, well cemented, no show, much gray and red shale Sandstone: gray, very fine grained, well sorted, well cemented, no show, much gray and red shale Sandstone: gray, very fine grained, well sorted, well cemented, no show, much gray and red shale Sandstone: gray, very fine grained, well sorted, well cemented, no show, much gray shale Shale: gray, much gray siltstone	<u>1882' 15" x20</u>
Image: set in the set in th			Shale: gray, much gray siltstone Shale: gray, much gray siltstone Shale: gray, silty Shale: gray, silty Shale: gray Limestone: brown to dark brown, coarsely crystalline,	
<pre> Part in the second s</pre>		2050	Shale: gray to dark gray Shale: gray to dark gray Shale: gray to dark gray Limestone: off white to dark brown, coarsely crystalline, dense, trace oolitic, oolicastic, no visible porosity, no show Shale: gray to dark gray Limestone: off white, medium crystalline, densely oolitic, fair oomoldic porosity, no show Limestone: off white to gray, coarsely crystalline, dense,	
Name: description of the second state of the seco			Shale: black carbonaceous Limestone: gray to light brown, coarsely crystalline, dense, no porosity, no show, much dark gray shale Limestone: off white to gray, medium to coarsely crystalline, most dense, some oolitic, oolicastic, trace oomoldic, poor oomoldic porosity, no show Limestone: off white to gray, fine grained micritic to coarsely crystalline, dense, poor intergranular porosity, no show Shale: dark gray Limestone: mottled dark gray to tan, fine grained to coarse crystalline, dense, some oolitic, oolicastic, some poor intercrystalline porosity, no show Limestone: off white, medium crystalline, oolitic, oolicastic, no visible porosity, no show	
<pre>Product build build</pre>			oolicastic, fair interoolitic porosity, no show Limestone: off white, medium crystalline, some densely oolitic, oolicastic, fair interoolitic porosity, some fine crystalline w/fair to good intercrystalline porosity, no show Limestone: off white to gray, coarsely crystalline, dense, no porosity, no show Limestone: gray, chalky, little visible porosity, no show Limestone: off white to gray, coarsely crystalline, dense, no visible porosity, no show Limestone: gray, coarsely crystalline, dense, no visible porosity, no show Limestone: gray, coarsely crystalline, no visible porosity, no show Shale: gray to dark gray Limestone: dark gray, coarsely crystalline, dense, no porosity, no show Shale: black, carbonaceous	
<pre> Prove the set of the se</pre>	DRILLING TIMF		Limestone: off white to gray, coarsely crystalline, dense, no porosity, no show Shale: dark gray Limestone: off white to gray, coarsely crystalline, dense, no porosity, no show Shale: black, carbonaceous Limestone: light gray, slightly oolitic, poor to fair oomoldic porosity, no show, trace gray chert Limestone: gray, coarsely crystalline, dense, no porosity, no show, fossiliferous w/fusulinids and small brachiopods Limestone: gray to tan, coarsely crystalline, dense, no porosity, no show, trace dark gray shale Limestone: off white to tan, coarsely crystalline, dense, no porosity, no show, trace dark gray shale Limestone: off white to tan, coarsely crystalline, dense, some oolitic, oolicastic, poor interoolitic porosity, no show, trace red and gray shale	nse.
 	MINUTES/FOOT		no porosity, no show Limestone: off white to light brown, coarsely crystalline, de no porosity, no show Limestone: light brown, coarsely crystalline, dense, no porosity, no show Limestone: light gray to light brown, coarsely crystalline, dense, no porosity, no show Shale: black, carbonaceous Limestone: off white to light brown, medium to coarsely crystalline, very poor intercrystalline porosity, no show Limestone: light gray, coarsely crystalline, dense, no porosity, no show Limestone: light gray, coarsely crystalline, dense, no porosity, no show	nse, Stark 2323 -986
ителя и проблеми и п		2400	Shale: black, carbonaceous Limestone: brown, coarsely crystalline, dense, no show Shale: dark gray to greenish gray Limestone: off white, fine grained micritic, dense, trace coarsely crystalline, no visible porosity, no show Limestone: off white, fine grained micritic, dense, trace coarsely crystalline, no visible porosity, no show Shale: gray Limestone: off white, fine grained micritic, dense, trace coarsely crystalline, no visible porosity, no show Shale: gray Shale: gray Limestone: dark gray to brown, coarsely crystalline, dense, no porosity, no show Shale: gray Limestone: dark gray to brown, coarsely crystalline, dense, no porosity, no show	vis 35 wt 9.1 lcm 2# BKC 2393 -1056
Propriety, reference, r		2450	Limestone: light to dark gray, coarsely crystalline, dense no visible porosity, no show Shale: gray to dark gray Limestone: gray to brown, coarsely crystalline, dense no visible porosity, no show Shale: gray to greenish gray Limestone: gray, coarsely crystalline, dense, no porosity, no show Shale: gray to greenish gray Limestone: dark gray to brown, coarsely crystalline, dense, no porosity, no show Shale: gray Limestone: off white to gray, coarsely crystalline, dense no porosity, no show	vis 39 wt 9.1 lcm 2#
Harstner gry to grants Cherokee 2577-1240 Sinke Mack Andrewster Linestner gry to drag ogn Linestner gry to drag ogn Linestner gry to drag ogn Linestner gry to drag ogn Linestner gry to drag ogn Linestner gry to drag ogn Linestner gry to drag ogn Linestner gry to drag ogn Linestner gry to drag ogn Linestner gry to drag ogn Linestner gry to drag ogn Linestner gry to drag ogn Linestner gry to drag ogn Linestner gry to drag ogn Linestner gry to drag ogn Linestner gry to drag ogn Linestner gry to drag ogn Haller gry to grave ogn Haller gry to grave ogn Haller gry to grave ogn Haller gry to grave ogn Haller gry to grave ogn Haller gry to grave ogn Haller gry to grave ogn Haller gry to grave ogn Haller gry to grave ogn Haller gry to grave ogn Haller gry to grave ogn ogn Haller gry to grave ogn ogn Haller gry to grave ogn			no porosity, no show, much gray to green shale Shale: dark gray Limestone: dark gray, some argillaceous, most coarsely crystalline, dense, no porosity, no show Shale: dark gray Limestone: gray to dark gray, trace beige, coarsely crystalline, dense, no visible porosity, no show Shale: dark gray Shale: black, carbonaceous Limestone: light brown, coarsely crystalline, dense, no porosity, no show, much dark gray shale Limestone: gray to dark gray, coarsely crystalline, dense, no porosity, no show Shale: black, carbonaceous Limestone: gray to dark gray, coarsely crystalline, dense, no porosity, no show Shale: black, carbonaceous Limestone: dark gray to mottled brown, c crystalline, no por Shale: gray to green	
Image: Second			Limestone: gray to light brown, coarsely crystalline, dense, no porosity, no show Shale: black. carbonaceous Limestone: gray to dark gray to brown, coarsely crystalline dense, no porosity, no show Shale: gray to greenish gray Limestone: dark gray to brown, medium to coarsely crystalline, some argillaceous, dense, no visible porosity, no show Shale: black, carbonaceous Limestone: gray to dark gray, coarsely crystalline, dense, no porosity, no show Shale: gray to greenish gray	<u>Cherokee 2577 -1240</u>
BOP West, LLC 1337 KB Thiel #20-1 1,361' FSL & 404' FWL 20-16S-1W Saline County, Kansas Comments: Bow: 1st Open: GSB, BOB 18 MIN (NO BB)			Limestone: dark gray, coarsely crystalline, dense, no porosity, no show Shale: gray to olive green Shale: gray to olive green to reddish brown Sandstone: clear to amber grains, rounded, well sorted, poorly cemented, some well cemented w/silica, no show, tair amount glauconite, much red clay/shale Dolomite: light gray to brown with oil stain, medium crystalline, fair to good intercrystalline porosity, some large dolomite rhoms, good show free oil, good odor, pola gold flugregregers 20% of 15" comple 300"	Mississippian 2666 -1329
1,361' FSL & 404' FWL 20-16S-1W Saline County, Kansas Comments: Blow: 1st Open: GSB, BOB 18 MIN (NO BB)				
2nd Open: A WSB AFTER 1 MIN THAT INC TO BOB 27 MIN (NO BB) Recovered 394 ft. of SOSMW 95% WTR, 5% MUD W/ A THIN SCUM OF OIL (182' DP, 212' DC) Recovered 394 ft. of TOTAL FLUID Recovered ft. of TOTAL FLUID Recovered ft. of Recovered ft. of Recovered ft. of Price Job Price Job	1,361' FSL & 404' FWL 2 Saline County, Kansas Comments: Blow: 1st Open: GSB, BC 2nd Open: A WSB / Recovered	SOB 18 MIN AFTER 1 MIN T SOSMW 95% WTR, S TOTAL FLUID	HAT INC TO BOB 27 MIN (NO 5% MUD W/ A THIN SCUM OF OIL (182' DP, 212' I	BB)



BOP West LLC Thiel #20-1 API # 15- 169-20335 Drilling Report 1361' FSL 404' FWL Sec 20-16S-01W Saline Co., Kansas Elevation GL1328 KB1337 DATE

05/23/12 Moved in C&G Drilling. Spudded well @ $6{:}00\ \text{PM}$

05/24/12 WOC @ 212' @ 7 AM. Drilled 12.25" hole to 212'. Ran 202' of 8.625" 23# casing. Set @ 212' KB. Consolidated Oil Well Services Cemented with 140 sacks + 3% CaCl, 2% gel, .25# Flocele / sack. Cement circulated. Plug down @ 1:10 AM 5/24/12. Will start under surface @ approximately 9 AM

05/25/12 Drilling @ 1765' @ 7:06 AM. TOOH with PDC @ 1711'. Deviation 1/2 deg. @ 1711'. Mud vis 34, wt. 8.8, LCM 4#.

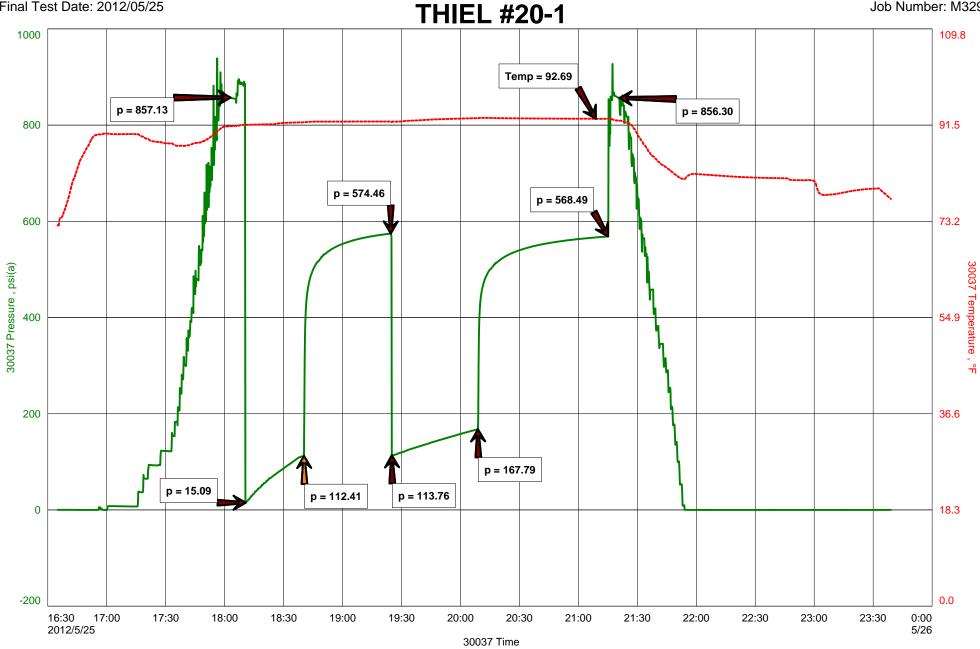
05/26/12 Drilling @ 2086' @ 7:05 AM. Mud Vis 37 Wt. 9.1# LCM 1.5#. Douglas sand DST #1 1852'-1882'. Times 30-45-45-60. Recovered 394' of slightly mud cut water with scum of oil in mud, 95% water 5% mud. Chlorides 38,000 PPM. IHP 857 PSIG, IFP 15-112 PSIG, ISIP 574 PSIG, FFP 114-168 PSIG, FSIP 568 PSIG, FHP 856 PSIG. BHT 93 degrees.

05/27/12 Servicing Rig @ 2644' @ 7:40 AM. Mud vis 40, wt. 9.1, LCM 1.5#. Premixing tank of mud to get mud in condition for DST or logging.

05/28/12 RTD 2672'. D& S Casing Crews ran 64 jts. (2665.84') 5.5" 14# casing + 2.60' packer shoe to 2670.46' by tally measurements. Latch down 'insert @ 2654'. Centralizers @ 2654', 2570', 2486', 2401 by tally measurements'. Filled casing @ 606' and 1658' going in. Circulated and set packer with 900 PSIG at TD. Consolidated pump 5 barrels water, 15 bbls water + 2 sx metasilicate as flush, 5 barrels water, 100 sx. THICK SET + 5# KOL-SEAL @ yield of 1.75 ft3/sx. Displaced with 65.2 barrels of water. Good circulation throughout job. Final pumping pressure 700 PSIG. Bumped plug with 1200 PSIG. Plug held. Plug down @ 7:54 PM 5/27/12.

NOTE: TD by the casing tally was 2744.66' or 2.66' deeper than the rotary TD of 2672'. Pipe is set 4.2' off bottom or 2667.8' rotary depths. ACO-1 and other state reports will show TD @ 2672' and casing @ 2668'. Casing could not be set higher to prevent a collar from being in the slips. To clear the slips with the collar would have possibly resulted in exposing the shale above the Mississippi.

BOP WEST LLC DST#1 1852-1882 DOUGLAS SS Start Test Date: 2012/05/25 Final Test Date: 2012/05/25



DIAMOND TESTING

Pressure Survey Report

General Information

Company Name	BOP WEST LLC Job	Number M329
Well Name	THIEL #20-1 Rep	presentative MIKE COCHRAN
Unique Well ID	DST#1 1852-1882 DOUGLAS SS We	II Operator BOP WEST LLC
Surface Location	SEC.20-16S-1W SALINE CO.KS. Rep	oort Date 2012/05/25
Field	WILDCAT Pre	pared By MIKE COCHRAN
Well Type	Vertical Qua	alified By FRANK MIZE
	Tes	st Unit NO. 1

Test Information

Test Type		CONVENTIONAL
Formation	DST#1	1852-1882 DOUGLAS SS
Test Purpose (AEUB)		Initial Test

Start Test Date	2012/05/25 Start Test Time	14:35:00
Final Test Date	2012/05/25 Final Test Time	23:40:00 01 Oil
	Well Fluid Type	01.01

30037

Gauge Name Gauge Serial Number

Test Results

Remarks RECOVERED:

394' SOSMW 95% WTR, 5% MUD W/ A THIN SCUM OF OIL 394' TOTAL FLUID

CHLOR: 38,000PPM PH:7.0 RW: .15 @ 85 DEG

TOOL SAMPLE: 1% OIL, 90% WTR, 9% MUD

	P.O. B HOISINGTON, (800) 5 DRILL-STEM	D TESTING Box 157 KANSAS 67544 542-7313 TEST TICKET				
Company		Lease & Well No				
Contractor						
Elevation Formation						
DateSecTwp						
Test Approved By						
Formation Test No Interval Tested f	from	ft to	ft To	tal Denth		ft
Packer Depth ft. Size6 3/		Packer depth				
Packer Depthft. Size6 3/		Packer depth				
Depth of Selective Zone Set						
Top Recorder Depth (Inside)	ft.	Recorder Number		Cap.		P.S.I.
Bottom Recorder Depth (Outside)		Recorder Number				
Below Straddle Recorder Depth		Recorder Number				
Mud Type Viscosity		Drill Collar Length				? 1/4 in.
Weight Water Loss						. 7/8 in
Chlorides	P.P.M.	Drill Pipe Length		The second se		3 1/2 in
Jars: Make STERLING Serial Number		Test Tool Length				1/2-IF in
Did Well Flow? Reversed Out		Anchor Length				1/2-FH in
Main Hole Size 7 7/8 Tool Joint Size	4 1/2in.	Surface Choke Size_				
Blow: 1st Open:						
2nd Open:						÷.
Recoveredft. of						
Recoveredft. of						
Recoveredft. of						
Recoveredft. of						
Recoveredft. of				Price Jo	b	
Recoveredft. of				Other Cl	narges	
Remarks:				Insuranc	е	
A.M.			A.M.	Total		
	ne Started Off Bo	ottom		aximum Te	mperature	
Initial Hydrostatic Pressure		(A)	P.S.I.			
Initial Flow Period Minutes_		(B)	P.S.I.	to (C)		P.S.I.
Initial Closed In Period Minutes_		(D)	P.S.I.			
Final Flow Period Minutes_		(E)	P.S.I. t	o (F)		P.S.I.
Final Closed In PeriodMinutes_		(G)	P.S.I.			
Final Hydrostatic Pressure		(H)	P.S.I.			

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Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

6205835679

P.1/1

COUNTY

DRIVER

with

TOTAL

Bb/ Water

Saline

CKET	NUMBER	3	2	1	6	9	5	
	hallower.	A STREET, STRE	-					

T

CONSOLIDATED OII Wai Bervises, LLC

LOCATION	Eureka,	RS
	Shannon	

ive ulation

with 3% calcium

shurry to pit

C CERT						FOREMAN_C	channon T
	hanute, KS 667 or 800-467-8676	6V	LD TICKE	T & TREAT		PORT # 15-169	- 20335
DATE	CUSTOMER #	WEL	L NAME & NUN	ABER	SECTION	TOWNSHIP	RANGE
5-24-12	1754	Thiel		20-1	20	165	IW
MAILING ADDR		it La 129	<u>-c</u>	C+G DRLG	TRUCK #	DRIVER Dave 6	TRUCK #
Woost	er	STATE OH	21P CODE 44/69/	-	667	chris B	
JOB TYPE SU	1 203 6.4	HOLE SIZE DRILL PIPE		HOLE DEPTH		CASING SIZE & V	OTHER
DISPLACEMEN REMARKS: S.	нт <u>14,5-15</u> # т <u>12 1/2 ВЫ</u>	SLURRY VOL	The second second	WATER gal/sl MIX PSI / C	0	CEMENT LEFT IN	Pm
10 Bbl	Water, el & 1/4#	eting, k Miled	1900 1 1405K	5 Clas 5-15#19		ment w.	ive Ulatio ith 3%
+ Shu	and the second sec	Flocelels	The sinder of assessment of the	the second se	7 7	ies. 8 Bbl	12/2 Bbi Surry
					19.99		
ACCOUNT	QUANITY	or UNITS	0	ESCRIPTION of	SERVICES or PF	RODUCT	
54015	1		PUMP CHAR	GE	- Yakanan arasan kata kata kata kata kata kata kata ka		825.00
5406	100	2	MILEAGE	WELSON DE LA COMPANY			4.00
110115	110	148	101	"OIL L-	1		11105

54015	1	PUMP CHARGE	ALCONTRACTOR OF THE OWNER	825.00	825.00
5406	100	MILEAGE	Col Maria de reconsector de consector de	4.00	400.00
11045	140 545	Class "A" cement	and a second	14.95	2093.00
1102	395.#	Calcina @ 20/2	LA Change and a second second second	. 74	292.30
1118 B	264 #	Gel @ 2%		.21	55.44
1107	35 #	Florele @ 1/4#5k		7.35	82.25
FULAT A	6.92 Tons			1.34	927, 28
5407 A	6.1- 1045	Ton mileage bulk Truck		1. 27	721, -4
	And a second				
			La Précia de la contra de la contra de la		7.010 · · · · ·
			and a sum party		
	anan manan da ang ang ang ang ang ang ang ang ang an				
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- 19-20-20-20-20-20-20-20-20-20-20-20-20-20-	U - ML			Sub Total	4675,27
	/			SALES TAX	184.18
avin 3737	DC Mon			ESTIMATED TOTAL	4859,45
AUTHORIZTION		TITLE		DATE	
acknowledge	that the navment terms up	less specifically amended in writing on the fro	nt of the fo	orm or in the c	ustomer's

account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form

2012-06-11 14:26 CONSOLIDATED

62	20	583	79	01	>:	>

316 733 6398

TICKET NUMBER 34685

P 1/1

40	The second se
1	
1	1

CONSOLIDATED OH W

hett	Spreic	16.	LG	

LOCATION EURERA

FOREMAN KEWN MCCoy

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

FIELD TICKET & TREATMENT REPORT CEMENT APT #15 140- 20325

ENTERED

		Contraction of the local division of the loc			1 111-L 13-	107-20333		KS
DATE	CUSTOMER #	WE	LL NAME & NUM	BER	SECTION	TÓWNSHIP	RANGE	COUNTY
5-27-12	1754	THIEL	# 20-1		20	165	100	SALINE
CUSTOMER				CÉG				
BOP	west LLC				TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDR				DRIg	520	STANNON F.		
1	Box 129			Rig 2	479	Merle R.		
CITY		STATE	ZIP CODE					
WOOSt	ter	OH	44691			Version and a lot of the second	111/100	
JOB TYPE KON	igstring 0	HOLE SIZE	7 7/8		2672	CASING SIZE & W	EIGHT 5 1/2 /	4 * New
CASING DEPTH		DRILL PIPE_			Carl State		OTHER	
	IT 13.6 #	services of the second second second				CEMENT LEFT in (ASING 13.9.	3
DISPLACEMEN	T 65 86C	DISPLACEME	NT PSI 700	NER PSI 1200	Bump Plug	RATE 5 BPM		
REMARKS: SA	Fety Meetin	vg: Rig	up to 51/2	CASING. I	ROP TRIP E	ALL. Set PAC	Kee Shoe	@ 900 ASI.
Pump 5 B	61 WATER 1.	5 BGL Met	ASILICATE PA	ke flush :	5 BGC WAter	SPACER. MIX	ed 100 sks	THICK JET
Cement w	1/5 #Kol-Se	AL ISK @	13.6 # /9AL	Y1eld 1.75	= 31 B6L	Slurry. Shut	down. WA	sh out
Pump & Li	wes Release	LATCH dou	un Plug. Di	SPLACE PIL	19 to SEAT	w/ 65. 2 B66 7	Fresh wate	e. FINAL
Pumping 1	PRESSURE 700	ASI. Bun	op Plug to	1200 ASI.	WAIT 2 M.	WS. REPEASE PA	essure. Fr	OAT & Plug
Held. Goo	& GREULAT	YON @ AL	L times wi	hile Cemer	sting. Job	Complete. Ru	y down.	
					1			

Plugged rathole with 20 sx. Plugged mousehole with 10 sx.

ACCOUNT	QUANITY or UNITS	DESCRIPTION of SERVICES or PRODUCT		TOTAL
5401	1	PUMP CHARGE	1030.00	1030.00
5406	100	MILEAGE	4.00	400.00
1126 A	130 SKS	THICK SET CEMENT	19.20	2496.00
1110 A	650 *	Kol-Seal 5#/SK	. 46	299.00
1111A	100 #	Metasilicate Pre Flush	2.00	200.00
	· VOLUME AND CONTRACTOR OF			
5407 A	7.15 TONS	100 Miks Buck Delv.	1.34	958.10
V.				
4454	1	51/2 LATCH down Plug	254.00	254.00
4253	1	51/2 Type A PACKER Shoe	1584.00	1584.00
4130	4	51/2 × 71/8 CentRALIZERS	48.00	192.00
4306	1	ThRead LOCK Kit	30.00	30.00
			SUB TOTAL	7443.10
		ТНАМК YOU 7.3%.	SALES TAX	369.02
Ravin 3737	2 00.	-M- 250198	ESTIMATED TOTAL	7812.12
AUTHORIZTION	Long FK con		DATE	

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form