

Confidentiality Requested:

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

1304994

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: ()	
CONTRACTOR: License #	GPS Location: Lat:, Long:, (e.gxxx.xxxxx)
Name:	Datum: NAD27 NAD83 WGS84
Wellsite Geologist:	
Purchaser:	County:
Designate Type of Completion:	Lease Name: Well #:
New Well Re-Entry Workover	Field Name:
	Producing Formation:
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 #: Dual Completion Permit #:	Dewatering method used:
SWD Permit #:	Location of fluid disposal if hauled offsite:
ENHR Permit #:	Location of huid disposar in natied offsite.
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 Iwo	1304994		
Operator Name:	Lease Name:	Well #:		
Sec TwpS. R East West	County:			
INCTRUCTIONS: Chain important tang of formations paratrated Da	toil all aaroa Danart all final	appiag of drill stamp tasts giving interval tastad time tast		

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		-	on (Top), Depth a		Sample
Samples Sent to Geolog	gical Survey	Yes No	Name	9		Тор	Datum
Cores Taken Electric Log Run		☐ Yes ☐ No ☐ Yes ☐ No					
List All E. Logs Run:							
			RECORD Ne		ion, 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	EEZE RECORD			
Purpose:	Depth					-	

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

No

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)

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

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated					e	,		ement Squeeze Record I of Material Used)	Depth
TUBING RECORD:	Siz	e:	Set At:		Packer	r At:	Liner R	un:	No	
Date of First, Resumed	Producti	on, SWD or ENHF	} .	Producing M	lethod:	ping	Gas Lift	Other (Explain)		
Estimated Production Per 24 Hours		Oil Bb	s.	Gas	Mcf	Wate	ər	Bbls.	Gas-Oil Ratio	Gravity
DISPOSITIO	ON OF G	as.			METHOD		TION		PRODUCTION IN	TERVAL ·
Vented Sold	_	Jsed on Lease		Open Hole	Perf.	Dually (Submit)	Comp.	Commingled (Submit ACO-4)		
(If vented, Sub	omit ACO	-18.)		Other (Specify)		(Subinit /	,	(<i>Subinic</i> ACO-4)		

Form	ACO1 - Well Completion
Operator	PetroSantander (USA) Inc.
Well Name	STEWART UNIT BULGER 7-13
Doc ID	1304994

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	24	492	LITE/COM MON	300	CC 2%
Production	7.875	5.5	15.5	4894	50/50 POZ	230	CC 2%

WELL NAME: BULGER 7.13 IAFER: DEPORTED BY: CARLOS A LOPEZ OPERATIONS DATE: NOVEMBER 4,5,6,7,10,11 2014 OBJECTIVE: COWWERT AS INJECTOR REPORTED SY: 1,2,3,4,5,6 RTD: 4844 TBG, SIZE: 5,27,67 PBTD: 4844 TBG, SIZE: 2,767 PERFS: 47,67,747 4852 - 63' 8SPF FORMATION: MORROW/ST LOUIS 24 HOUR SUMMARY: 4852 - 63' 8SPF FORMATION: MORROW/ST LOUIS 24 HOUR SUMMARY: 4852 - 63' 8SPF FORMATION: MORROW/ST LOUIS 11/6/2014 UNHUNG BEAM AND UN SEAT PUMP TOH WITH RODS AND PUMP RU BOP TOH WITH TBG, SN AND PMA TIH WITH TBG BAILER AND 4 7/8' DRIL BIT LEFT IT HANGING @ 4700' SOON 11/8/2014 TIH WITH REST OF TBG TAGGED @ 4885' TOH WITH TBG, BAILER AND BIT MIRU PIONEER WIRE LINE AND PERFORATE @ 4682' -63' ST LOUIS RDMO PIONNER WIRE LINE THIM WITH TBG, BAILER AND BIT MIRU PIONEER WIRE LINE AND PERFORATE @ 4682' -63' ST LOUIS RDMO PIONNER WIRE LINE THIM WITH TBG, BAILE AND BIT MIRU PIONEER WIRE LINE AND PERFORATE @ 4682' -63' ST LOUIS RDMO PIONNER WIRE LINE THIM WITH TBG, AND PKR SET PKR @ 4791' RU SWAB TOOLS START SWABING FOUND FL @ 1600' = 3352' FAP 1 HR 4 RUNS 4700' = 152' FAP 1.404 BB ALL WA' 1 HR <	PETF	ROSANTANDE	R (US	A) INC.		
REPORTED BY: CARLOS A LOPEZ OPERATIONS DATE: NOVEMBER 45,6,7,10,11 2014 OBLECTVE converta sinuctora REPORT DAY: 1,23,4,50 RTD: 4840 ESS SIZE: 5,12" PETD: 4442 EST SIZE: 5,12" PETFS: 475"-74' 4852 EST SIZE: 2,76" PETFS: 475"-74' 4852 EST SIZE: 2,76" 21 HOUR SUMMARY: MARD VIS SIZE: 2,76" 2,76" 11/5/2014 UNHUNG BEAM AND UN SEAT PUMP TOH WITH RODS AND PUMP RU BOP TOH WITH TBG, SN AND PMA TIH 11/5/2014 UNHUNG BEAM AND UN SEAT PUMP TOH WITH RODS AND PUMP RU BOP TOH WITH TBG, SN AND PMA TIH 11/5/2014 UNHUNG BEAM AND UN SEAT PUMP TOH WITH RODS AND PUMP RU BOP TOH WITH TBG, SN AND PMA TIH 11/6/2014 TIH WITH REST OF TBG TAGGED @ 4840' MIRU E.COLORADO START DRILLING DRILL OUT TO 4880' TOH WITH TBG TAGGED @ 4840' MIRU E.COLORADO START DRILLING DRILL OUT TO 4880' TOH WITH TBG TAGGED @ 4840' MIRU E.COLORADO START DRILLING DRILL OUT TO 4880' TOH WITH TBG TAGGED @ 450' TAP 11/6/2014 THWITH TBG TAGGED @ 4880' TOH WITH TBG AND PKR SET PKR @ 479' RU SWAB TOOLS START SWABING FOUND FL @ 150' - 332' FAP 1HR 4 RUNS 4700' 162' FAP 2.34 BBL ALL WA				-/		
OBJECTVE: DOWNERT AS INCOME REPORT DAY: 1.2.3.4.5.6 RTD: 4844 TGS. SIZE: 5.1/2" PETD: 4844 TGS. SIZE: 2.1/8" PETD: 4844 TGS. SIZE: 2.1/8" PETRS: 4757-74 4852-63' BSF FORMATION: MORROWIST LOUIS 24 HOUR SUMMARY: 24 HOUR SUMMARY: MORROWIST LOUIS 21/8" 11/6/2014 UNHUNS BEAM AND UN SEAT PUMP TOH WITH RODS AND PUMP RU BOP TOH WITH TBG, SM AND PMA TH 11/1/2014 THH WITH REST OF TBG TAGGED @ 4640' MIRU E.COLORADO START DRILLING DRILL OUT TO 4865' TOH WITH 10 JTS ROMO E.COLORADO SDON 11/1/2014 THH WITH TBG TAGGED @ 4640' MIRU E.COLORADO START DRILLING DRILL OUT TO 4865' TOH WITH TBG AND PKR SET PKR @ 4791'RU SWAB TOOLS START SWABING 11/1/2014 TUH WITH TBG TAGGED @ 4640' MIRU E.COLORADO START DRILLING DRILL OUT TO 4865' TOH WITH TBG AND PKR SET PKR @ 4791'RU SWAB TOOLS START SWABING 11/1/2014 TOUNS ROW DRONNER WIRE LINE TH WITH TBG AND PKR SET PKR @ 4791'RU SWAB TOOLS START SWABING 11/1/2014 FOUND F# QU TO FALL ATO'D '152' FAP 14.04 BB ALL WA 11/10/2014 FOUND F# QU TO RELEASED PRESSURE START SWABING FOUND FL @ 1500' = 3352' FAP 11/10/2014' FOUND 5# QU T 152' FAP 24.34 BBL TRACE	REPORTED BY:	CARLOS A LOPEZ		ONS DATE:	NOVEMBER.4.5.6.7.10.11 2014	
PBTD: 4844* TBG. SIZE 21/8* PERFS: 47.07 4822-63*85PE FORMATION: MORROWST LOUIS 24 HOUR SUMMARY: MORROWST LOUIS MORROWST LOUIS 11/02/14 MRU PSI RIG 2 MOVED WORK STRING, BOP AND DUG A WORK PIT SDON 11/6/2014 UNHUNG BEAM AND UN SEAT PUMP TOH WITH RODS AND PUMP RU BOP TOH WITH TBG, SN AND PMA TIH 11/6/2014 UNHUNG BEAM AND UN SEAT PUMP TOH WITH RODS AND PUMP RU BOP TOH WITH TBG, SN AND PMA TIH 11/6/2014 UNHUNG BEAM AND UN SEAT PUMP TOH WITH RODS AND PUMP RU BOP TOH WITH TBG, SN AND PMA TIH 11/6/2014 TIH WITH REST OF TBG TAGGED @ 4840* MIRU E.COLORADO START DRILLING DRILL OUT TO 4885* TOH WITH 10 JTS RDMO E COLORADO SDON 11/1/2014 TIH WITH TBG TAGGED @ 4885*TOH WITH TBG AND PKR SET PKR @ 4791*RU SWAB TOOLS START SWABING 10/17/2014 TIH WITH TBG TAGGED @ 4885*TOH WITH TBG AND PKR SET PKR @ 4791*RU SWAB TOOLS START SWABING 11/12/2014 THWITH TBG TAGGED @ 152*FAP 14.04 BB ALL WA 11/16/2014 FORMATINE LINE TIH WITH TBG AND PKR SET PKR @ 4791*RU SWAB TOOLS START SWABING FOUND FL@ 150*FAP 34.04 BBL ALL WA 11/17/2014 FOUND FWONT BC RELEASED PRESSURE START SWABING FOUND FL@ 1500* 3352*FAP THACE OF 11/11/20214 FOUND SW ON TBG RELEASED PRESSURE STAR		CONVERT AS INJECTOR	REPORT I	DAY:		
PERFS: 4757 - 74 4852 - 63 85PF FORMATION: MORROW/ST LOUIS 24 FOUR SUMMARY: 11/04/14 MIRU PSI RIG 2 MOVED WORK STRING, BOP AND DUG A WORK PT SDON 11/05/2014 UNHUNG BEAM AND UN SEAT PUMP TOH WITH RODS AND PUMP RU BOP TOH WITH TBG, SN AND PMA TIH 11/05/2014 UNHUNG BEAM AND UN SEAT PUMP TOH WITH RODS AND PUMP RU BOP TOH WITH TBG, SN AND PMA TIH 11/05/2014 UNHUNG BEAM AND UN SEAT PUMP TOH WITH RODS AND PUMP RU BOP TOH WITH TBG, SN AND PMA TIH 11/05/2014 TIH WITH REST OF TBG TAGGED @ 4840' MIRU E_COLORADO START DRILLING DRILL OUT TO 4880' TOH WITH 10 JTS ROMO E.COLORADO STON 11/07/2014 11/07/2014 TIH WITH TBG TAGGED @ 4885' TOH WITH TBG, BAILER AND BIT MIRU PIONEER WIRE LINE AND PERFORATE @ 11/07/2014 11/07/2014 TOUS RDMO PIONER WIRE LINE TIH WITH TBG, BAND PKR SET PKR @ 4791''RU SWAB TOOLS START SWABING FOUND FL @ 1600' = 3352' FAP 14 A RUNS 11/18 4 RUNS 4700' = 152' FAP 2.34 BBL ALL WA' 12/18 4 RUNS 4700' = 152' FAP 2.34 BBL ALL WA' 13/102014 FOUND 5# ON TBG RELEASED PRESSURE START SWABING FOUND FL @ 1600' = 3352' FAP 14R 5 RUNS 4500'''''''''''''''''''''''''''''''''''						
22 HOUR SUMMARY:						
11/04/14 MIRU PSI RIG 2 MOVED WORK STRING, BOP AND DUG A WORK PIT SDON 11/6/2014 UNHUNG BEAM AND UN SEAT PUMP TOH WITH RODS AND PUMP RU BOP TOH WITH TBG, SN AND PMA TIH WITH TBG BALLER AND 4 7/8" DRILL BIT LEFT IT HANGING @ 4700" SDON 11/6/2014 11/6/2014 TIH WITH REST OF TBG TAGGED @ 4840" MIRU E_COLORADO START DRILLING DRILL OUT TO 4865" TOH WITH 10 JTS RDMO E_COLORADO SDON 11/7/2014 11/7/2014 TIH WITH TBG TAGGED @ 4865" TOH WITH TBG BAILER AND BIT MIRU PIONEER WIRE LINE AND PERFORATE @ 4822 - 63 STL OUIS BROW PIONNER WIRE LINE THWITH TBG AND PKR SET PK @ 4791" RU SWAB TOOLS START SWABING FOUND FL @ 1650" = 3202" FAP 14.04 BB 1 HR 4 RUNS 4700" = 152" FAP 14.04 BB 1 HR 4 RUNS 4700" = 152" FAP 2.34 BBL ALL WA 10.38 TOTAL BBL RECOVER SDON 11/10/2014 FOUND 5# ON TBG RELEASED PRESSURE START SWABING FOUND FL @ 1500" = 3352" FAP 11/10/2014 TRACE OF 11.14 WITH START ACID JOB BROKE @ 1250# RATE 4.5 BPM @ 350# ISIP VACUME RDMO HEAT WAVES WAITED 11 HR START ACID JOB BROKE @ 1250# RATE 4.5 BPM @ 350# ISIP VACUME RDMO HEAT WAVES WAITED 11 HR START SWABING FOUND THG RELEASED PRESSURE STARTE D SWABING FOUND FL @ 1600" = 3352" FAP 11/11/11/11/11/11/11/11/11/11/11/11/11/			FORMATI	ON:	MORROW/ST LOUIS	
11/5/2014 UNHUNG BEAM AND UN SEAT PUMP TOH WITH RODS AND PUMP RU BOP TOH WITH TBG.SN AND PMA TIH 11/5/2014 TIH WITH REST OF TBG TAGGED @ 4440' MIRU E_COLORADO START DRILLING DRILL OUT TO 4885' TOH WITH 10 JTS RDMO E_COLORADO SDON 11/1/2014 TIH WITH TBG TAGGED @ 4480' MIRU E_COLORADO START DRILLING DRILL OUT TO 4885' TOH WITH 10 JTS RDMO E_COLORADO SDON 11/1/2014 TIH WITH TBG TAGGED @ 4485' TOH WITH TBG.BALER AND BIT MIRU PIONEER WIRE LINE AND PERFORATE @ 4522 - 637 ST LOUIS RDMO PIONNER WIRE LINE TIH WITH TBG AND PKR SET PKR @ 4791' RU SWAB TOOLS START SWABING ALU WA' 11/1/2014 TIH WITH T3G TAGGED 0 152' FAP 14.04 BB ALU WA' 11/1/2014 FOUND ST 4000' = 152' FAP 2.34 BBL ALU WA' 11/1/02014 FOUND ST 4000' = 152' FAP 2.34 BBL ALU WA' 11/1/02014 FOUND ST 4000' = 152' FAP 2.34 BBL ALU WA' 11/1/02014 FOUND ST 4000' = 352' FAP 2.34 BBL TRACE OF 11/1/02014 FOUND ST 4000' FIG RELEASED PRESSURE START SWABING FOUND FL@ 1500' = 3352' FAP 14.85 ARUNS 1400' = 3452' FAP 11HR S RUNS 1000' = 3152' FAP 31.32 BBL ALU WA' 11HR 5 RUNS 1000' = 152' FAP 31.32 BBL						
WITH TBG BAILER AND 4 7/8" DRILL BIT LEFT IT HANGING @ 4700" SDON 11/6/2014 TIH WITH REST OF TBG TAGGED @ 4840" MIRU E.COLORADO START DRILLING DRILL OUT TO 4885" TOH WITH 10 JTS RDMO E. COLORADO SDON 11/7/2014 TIH WITH TBG TAGGED @ 4885" TOH WITH TBG, BAILER AND BIT MIRU PIONEER WIRE LINE AND PERFORATE @ 4852 - 633 ST LOUIS RDMO PIONNER WIRE LINE TIH WITH TBG, BAILER AND BIT MIRU PIONEER WIRE LINE AND PERFORATE @ 4852 - 633 ST LOUIS RDMO PIONNER WIRE LINE TIH WITH TBG, BAILER AND BIT MIRU PIONEER WIRE LINE AND PERFORATE @ 4852 - 633 ST LOUIS RDMO PIONNER WIRE LINE TIH WITH TBG, BAILER AND BIT MIRU PIONEER WIRE LINE AND PERFORATE @ 4852 - 633 ST LOUIS RDMO PIONNER WIRE LINE TIH WITH TBG, BAILER AND BIT MIRU PIONEER WIRE LINE AND PERFORATE @ 1HR 4 RUNS 4700" = 152' FAP 14.04 BB ALL WA 1HR 4 RUNS 4700" = 152' FAP 2.34 BBL ALL WA 11/10/2014 FOUND 5# ON TBG RELEASED PRESSURE START SWABING FOUND FL @ 1500" = 3352' FAP TRACE OF 1HR 5 RUNS 4500" = 3352' FAP 31.32 BBL ALL WA 1HR 5 RUNS 1600" = 3052' FAP 31.32 BBL ALL WA 2HR 5 RUNS 1600" = 3052' FAP 31.32 BBL ALL WA 3HR 5 RUNS 3000" = 1652' FAP 31.32 BBL	11/04/14 WIR0 PS	RIG Z WOVED WORK STR	ING,BOP AN	D DUG A WORK PIT	SDON	
11/6/2014 TIH WITH REST OF TBG TAGGED @ 4840' MIRU E.COLORADO START DRILLING DRILL OUT TO 4885' TOH WITH 10/JTS RDMO E.COLORADO SDON 11/7/2014 TIH WITH TBG TAGGED @ 4885' TOH WITH TBG,BAILER AND BIT MIRU PIONEER WIRE LINE AND PERFORATE @ 11/7/2014 TIH WITH TBG TAGGED @ 4885' TOH WITH TBG,BAILER AND BIT MIRU PIONEER WIRE LINE AND PERFORATE @ 11/7/2014 TIH WITH TBG TAGGED @ 4885' TOH WITH TBG,BAILER AND BIT MIRU PIONEER WIRE LINE AND PERFORATE @ 11/7/2014 FOUND FL @ 150' FAP 14.04 BB 1 HR 4 RUNS 4700' = 152' FAP 14.04 BB 1 HR 4 RUNS 4700' = 152' FAP 2.34 BBL ALL WA 1 1/10/2014 FOUND 5K ON TBG RELEASED PRESSURE START SWABING FOUND FL @ 1500' = 3352' FAP 11.76 COVER SDON 11/10/2014 FOUND 5K 000' = 3052' FAP 2.36 BBL TRACE OF 1 HR 5 RUNS 4500' = 3052' FAP 1.32 BBL RLL WAY 1 HR START SWABING FOUND FL @ 700' = 4152' FAP 1.32 BBL ALL WAY 2 HR 5 RUNS 200' = 1452' FAP 3.480 BBL ALL WAY 3 HR 5 RUNS 3000' = 1652' FAP 3.132 BBL ALL WAY 3 HR 5 RUNS 3000' = 165	11/5/2014 UNHUNG	BEAM AND UN SEAT PUM	P TOH WITH	RODS AND PUMP R	U BOP TOH WITH TBG, SN AND	PMA TIH
10 JTS RDMO E.COLORADO SDON 11/7/2014 TIH WITH TBG TAGGED @ 4885' TOH WITH TBG,BAILER AND BIT MIRU PIONEER WIRE LINE AND PERFORATE @ 4822 - 63' ST LOUIS RDMO PIONNER WIRE LINE TIH WITH TBG AND PKR SET PKR @ 4791' RU SWAB TOOLS START SWABING FOUND FL @ 1650' = 3202' FAP 11H 4 RUNS 4700' = 152' FAP 12H 4 RUNS 4700' = 152' FAP 2.34 BBL 18.38 TOTAL BBL RECOVER SDON 16.38 TOTAL BBL RECOVER SDON 11/10/2014 11H 5 RUNS 4500' = 352' FAP 2.3.36 BBL TRACE OF MIRU HEAT WAVES WITH 12 BBL OF DIESEL,21 BBL OF 15% MCA,50 BBL OF 2% KCL FLUSH AND 120 BALLS PUMP THE DIESEL WAITED 12 HR START ACID JOB BROKE @ 1250# RATE 4.5 BPM @ 350# ISIP VACUME RDMO HEAT WAVES WAITED 11HR 5 S RUNS 1800' = 3052' FAP 31.32 BBL ALL WAY 2 HR 5 RUNS 1800' = 3052' FAP 38.0 BBL ALL WAY 3 HR 5 RUNS 3000' = 1852' FAP 38.0 BBL ALL WAY 3 HR 5 RUNS 3000' = 1852' FAP 38.6 BBL ALL WAY 3 HR 5 RUNS 3000' = 1852' FAP 33.64 BBL ALL WAY 3 HR 5 RUNS 3000' = 1852' FAP 33.64 BBL ALL WAY 3 HR	WITH TBG BAILER AN	ID 4 7/8" DRILL BIT LEFT IT	HANGING @	4700' SDON		
10 JTS RDMO E COLORADO SDON 11///2014 TIH WITH TBG TAGGED @ 4885 TOH WITH TBG,BAILER AND BIT MIRU PIONEER WIRE LINE AND PERFORATE @ 4852 - 63' ST LOUIS RDMO PIONNER WIRE LINE TIH WITH TBG AND PKR SET PKR @ 4791' RU SWAB TOOLS START SWABING FOUND FL @ 1650 = 3202 FAP 1 HR 4 RUNS 4700' = 152' FAP 1 HR 4 RUNS 4700' = 152' FAP 2.34 BBL ALL WA' 16.38 TOTAL BBL RECOVER SDON 15.39' FAP 11/10/2014 FOUND 5# ON TBG RELEASED PRESSURE START SWABING FOUND FL @ 1500' = 3352' FAP 11/10/2014 FOUND 5# ON TBG RELEASED PRESSURE START SWABING FOUND FL @ 1500' = 3352' FAP 11HR 5 RUNS 4500' = 352' FAP 24.36 BBL TRACE OF MIRU HEAT WAVES WITH 12 BBL OF DIESEL 21 BBL OF 16% MCA,50 BBL OF 2% KCL FLUSH AND 120 BALLS PUMP THE DIESEL WAITED 12 HA START ACD JOB BROKE @ 1250' FAP 31.32 BBL ALL WAY 1 HR 5 RUNS 1800' = 3052' FAP 34.80 BBL ALL WAY 2 HR 5 RUNS 200' = 2152' FAP 34.80 BBL ALL WAY 3 HR 5 RUNS 3000' = 1452' FAP 36.40 BBL ALL WAY 3 HR 5 RUNS 3000' = 1852' FAP 33.64 BBL ALL WAY 3 HR 5	11/6/2014 TIH WITI	H REST OF TBG TAGGED @	2 4840' MIRU	E.COLORADO STAR	T DRILLING DRILL OUT TO 4885	' TOH WITH
4452 - 63' ST LOUIS RDMO PIONNER WIRE LINE TIH WITH TBG AND PKR SET PKR @ 4791' RU SWAB TOOLS START SWABING FOUND FL @ 1650' = 3202' FAP 1 HR 4 RUNS 4700' = 152' FAP 14.04 BB ALL WA' 2 HR 4 RUNS 4700' = 152' FAP 2.34 BBL ALL WA' 16.36 TOTAL BBL RECOVER SDON 11/1/2014 FOUND 5# ON TBG RELEASED PRESSURE START SWABING FOUND FL @ 1500' = 3352' FAP 1 HR 5 RUNS 4500' = 362' FAP 24.36 BBL TRACE OF MIRU HEAT WAVES WITH 12 BBL OF DIESEL,21 BBL OF 15% MCA.50 BBL OF 2% KCL FLUSH AND 120 BALLS PUMP THE DIESEL WAITED 1/2 HR START ACID JOB BROKE @ 1250# RATE 4.5 BPM @ 350# ISIP VACUME RDMO HEAT WAVES WAITED 1 HR 5 RUNS 1800' = 3052' FAP 31.32 BBL ALL WA' 2 HR 5 RUNS 2700' = 2152' FAP 31.32 BBL ALL WA' 3 HR 5 RUNS 3000' = 1852' FAP 33.64 BBL ALL WA' 462 TOTAL BBL RECOVER SDON 1482' FAP 33.64 BBL ALL WA' 11/1/12014 FOUND 30# ON TBG RELEASED PRESSURE STARTED SWABING FOUND FL @ 1500' = 3352' FAP 11/1/12014' FOUND 30# ON TBG RELEASED PRESSURE STARTED SWABING FOUND FL @ 1500' = 3352' FAP 1 HR 5 RUNS 3000' = 1852' FAP </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
4452'-63' ST LOUIS RDMO PIONNER WIRE LINE TIH WITH TBG AND PKR SET PKR @ 4791' RU SWAB TOOLS START SWABING FOUND FL @ 1650' = 3202' FAP 1 HR 4 RUNS 4700' = 152' FAP 14.04 BB ALL WA' 2 HR 4 RUNS 4700' = 152' FAP 2.34 BBL ALL WA' 16.38 TOTAL BBL RECOVER SDON 11/10/2014 FOUND 5# ON TBG RELEASED PRESSURE START SWABING FOUND FL @ 1500' = 3352' FAP 11/10/2014 1 HR 5 RUNS 4500' = 362' FAP 24.36 BBL TRACE OF MIRU HEAT WAVES WITH 12 BBL OF DESEL_21 BBL OF 15% WCA.500 BBL OF 2% KCL FLUSH AND 120 BALLS PUMP THE DIESEL WAITED 1/2 HR START ACID JOB BROKE @ 1250# RATE 4.5 BPM @ 350# ISIP VACUME RDMO HEAT WAVES WAITED 1 HR 5 RUNS 2700' = 4152' FAP 31.32 BBL ALL WA' 2 HR 5 RUNS 2700' = 2152' FAP 31.32 BBL ALL WA' 3 HR 5 RUNS 3000' = 1852' FAP 33.64 BBL ALL WA' 462 TOTAL BBL RECOVER SDON 11/1/1/2014 FOUND 30# ON TBG RELEASED PRESSURE STARTED SWABING FOUND FL @ 1500' = 3352' FAP 11/1/1/2014 1 HR 5 RUNS 3000' = 1852' FAP 33.64 BBL ALL WA' 3 HR 5 RUNS 3000' = 1852' FA						
FOUND FL@ 1450 3202*FAP 1 HR 4 RUNS 4700*=152*FAP 14.04 BB ALL WA* 16.38 TOTAL BBL RECOVER SDON 2.34 BBL ALL WA* 16.38 TOTAL BBL RECOVER SDON 11/10/2014 FOUND 5# ON TBG RELEASED PRESSURE START SWABING FOUND FL@ 1500*=3352*FAP 1 HR 5 RUNS 4500*=352*FAP 24.36 BBL TRACE OF MIRU HEAT WAVES WITH 12 BBL OF DIESEL, 21 BBL OF 15% MCA, 50 BBL OF 2% KCL FLUSH AND 120 BALLS PUMP THE DIESEL WAITED 112 HR START ACID JOB BROKE @ 1250# RATE 4.5 BPM @ 350# ISIP VACUME RDMO HEAT WAVES WAITED 1 HR START SWABING FOUND FL @ 700*=4152*FAP 31.32 BBL ALL WA* 2 HR 5 RUNS 1800*=3052*FAP 31.32 BBL ALL WA* 3 HR 5 RUNS 3000*=1852*FAP 28.50 BBL ALL WA* 3 HR 5 RUNS 3000*=1852*FAP 33.64 BBL ALL WA* 1 HR 5 RUNS 3000*=1852*FAP 33.64 BBL ALL WA* 3 HR 5 RUNS 3000*=1852*FAP 33.64 BBL ALL WA* 3 HR 5 RUNS 3400*=1452*FAP 33.64 BBL ALL WA* 3 HR 5 RUNS						
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DAILY COST SUMMARY: VENDOR SERVICE COST PSI RIG 2 SERVICE UNIT	9 HR 5 RUNS	3900' = 952' FA	Р	33.64 BBL		TRACE OF OIL
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