Confidentiality Requested: Yes No

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

1231327

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.xxxx) (e.gxxx.xxxx)					
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:					
□ 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?					
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 #:						
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 III Approved by: Date:										

	Page Two	1231327
Operator Name:	Lease Name:	Well #:
Sec TwpS. R East West	County:	
INCTRUCTIONS. Chow important tang of formations populated	Dotail all coros Roport all fi	nal copies of drill stoms tests giving interval tested, time teal

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 Sh	eets)	Yes No		-	on (Top), Depth a		Sample
Samples Sent to Geolog	gical Survey	Yes No	Nam	Э		Тор	Datum
Cores Taken Electric Log Run		Yes No					
List All E. Logs Run:							
		CASING Report all strings set-c	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 / SQL	EEZE RECORD			
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used		Type and F	Percent Additives	

Perforate Protect Casing Plug Back TD Plug Off Zone

Yes

No

No

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

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

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

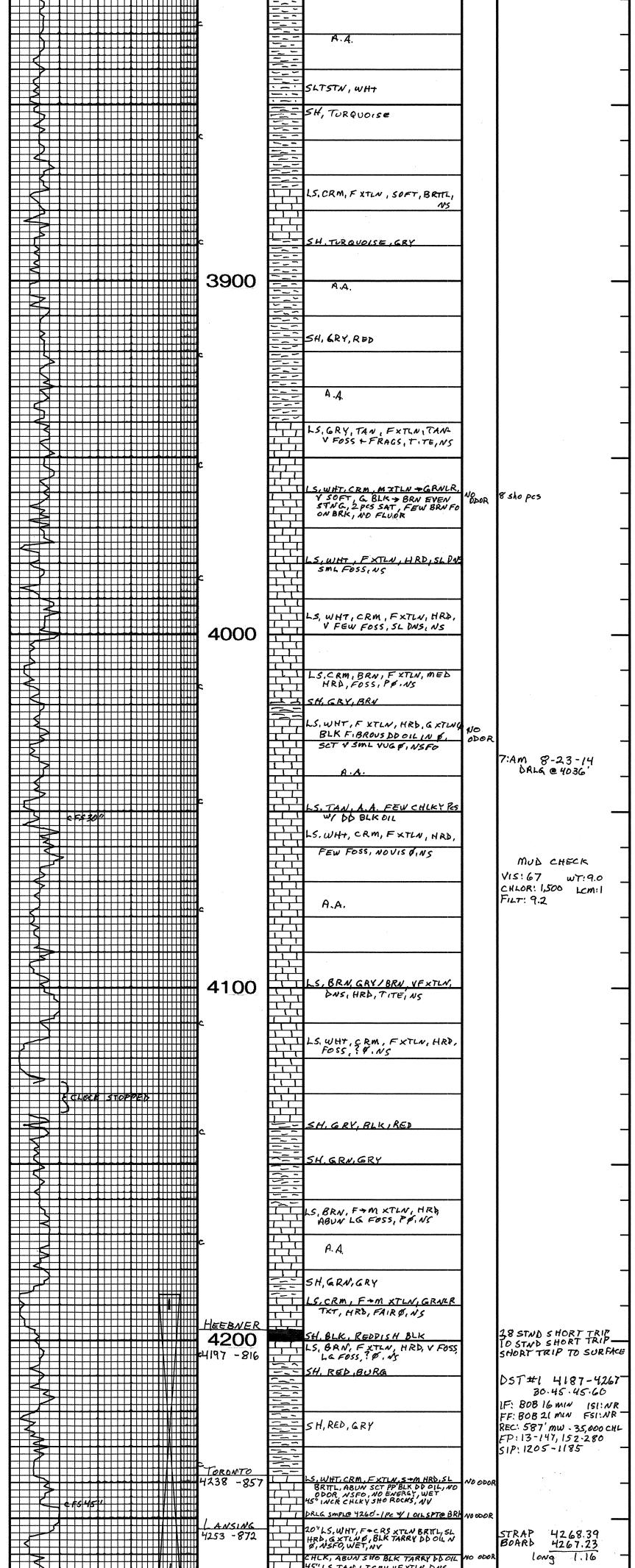
Shots Per Foot		PERFORATION Specify Fo		RD - Bridge P Each Interval F		be			ement Squeeze Record I of Material Used)	Depth
TUBING RECORD:	Si	ze:	Set At:		Packe	r At:	Liner R	un:	No	
Date of First, Resumed	I Product	ion, SWD or ENH	٦.	Producing M	ethod:	ping	Gas Lift	Other (Explain)		
Estimated Production Per 24 Hours		Oil Bb	ls.	Gas	Mcf	Wate	ər	Bbls.	Gas-Oil Ratio	Gravity
DISPOSITI		345.			METHOD				PRODUCTION INTER	R\/Δ1 ·
Vented Sold	d 🗌	Used on Lease		Open Hole Perf. Dually Comp. Commingled (Submit ACO-5) (Submit ACO-4)						
(in venieu, ou		, 10.,		Other (Specify)						

Form	ACO1 - Well Completion
Operator	Ritchie Exploration, Inc.
Well Name	Briney-Kramer 1
Doc ID	1231327

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	23	339	common	3%cc, 2% gel

	A Pickrell #1 Carter Farms A SE NW 36-4-37W	WELLS FOR STRUCTURE	4902 4906 -1525	rate	e 4705 4709 -1328 -	4024	t 4569 4572 -1191	1aton 4537 4538 -1157	4510 4505			4197 4207 -826	3149 232	3111 3111 270 271	FORMATION SAMPLE ELECTRIC SUB-SEA STRUCTURAL POSITION	FORMATION TOPS AND STRUCTURAL POSITION	MUD UP 3431 TYPE MUD Chem ComP N/D	RTD 4972 LTD 4974 ELECTRICAL SURVEYS	SPUD 8-18-14 COMP 8-31-14 PRODUCTION	CONTRACTOR WW #4 CAS ING CAS ING SURFACE 8 % '@ 338'	heyennestate KS From KB	TWSP_4 RGE 37W	I OCATION S/2 S/2 NW DF DF	#1 Briney-Kramer	=xploration	DRILLING TIME AND SAMPLE LOG			Max R. Lovely	
	 					1111 1111 1111 1111 1111			0	0 C	0	.	ndst	one		Shale		G E Carb		D		。 	• • • • • • • I.Lim		△ △ △ △ △ △ △ △	Do	//// //// plomite			
7710	Rate		F	PER	? F	00 [°] 1 De	Т	0888			-		DE	EPT	ГН			Sł	AMPI	LE D	ESCI	RIPT	ONS		OIL SHOWS		I	REMA	RKS	
												v 31 v 31	<u>BA</u> 11 32	<u>va</u> + 2						, TAA		+ M 1								



			Ø, NSFO, WET, NV		BOARD 4267.23
		┱┺┲┸	CHLK, ABUN SHO BLK TARRY 6601L 45" LS, TAN, LTGRY, VF XTLN, DNS, HRD, TITE, NS	NO ODOK	5
	c DEV 1º		HRD, TITE, NS SH, VARI COLOR, PYR		7:AM 8-24-14 DST#1@4267 _
		<u> Se</u>			MUD CHECK
		=_=			VIS: 61 WT: 9.2
			A.A.		CHLOR: 1,500 LCM:1 -
					FILT: 9.6
			LS. CRM, FXTLN, HRD, DNS, TITE, NS LS. BRN/WH+, FXTLN, HRD, ABUN		_
		<u> </u>	VARI SIZE VUGS, G DK BRN OIL	ltodor	
	4200 L		BLEED, SL GASSY, FON CUP+TRAY ABUN SHOPCS, NO FLUOR, OIL WET		7:4m 8-25-14 bst #2@4298'
	^c 4300	$\frac{1}{1}$			
			LS, CRM, VF XTLN, DNS, S+M HRD, CHLKY APP ON BRK, NO VISØ, NS		MUD CHECK VIS:55 WT:9.1
					CHLOR: 2,200 LCM:1 -
			LS. AA. , HRD, TITE, NS		FILT: 8.8
		$\frac{1}{1}$			DST #2 4268-4298_
			SH, BURGIBRN		30:45:45.60 1F: BOB TMIN ISI:NR
	ГС,		LS, GRY, FXTLN, SCT LG TAN XTLS. W/N, V HRD, TITE, NS		FF: BOB 9 MIN FSI:NR
					REC: 640' SOSGMW
		$\frac{1}{1}$	LS. TAN, FXTLN CMTID SML OOLS, BRTTL, S+M HRD, G STN'D Ø, SET.SML	NO O₽°R	504' GMW 1,144 TOTAL FLUID, 32,000 CHL
			DK BRN FO ONBRK, NO ENERGY, Pes, PP XTLN Ø W BLK STNG		TOOL: TROIL W/W -
		글글	SH, GRY, BURG, GRN		FP: 19-288,292-561 SIP:1253-1228
		$\overline{1}$	LS, WHT, TAN, VF XTLN CMTID FOSS HRD, ALGALN Pes, TITE, FEW Pes		
			W/ FAIR FOSS Ø		
	c	$\frac{1}{1}$	CHALK		
		++++	LS,CRM,FXTLN,HRD,SLDNS, NO VISY,NS		
	MUNCIE		SH, BLK, GRY		
	4368 -987	Section and the section of the secti	LS, GRY, FXTLN, HRD, V FEW FOSS,		7:AM 8-26-14 -
	H · · · ·		TITE,NS		DRLG @ 4372'
	H I		SH, GRY		MUDCHECK -
	ļ I	===			VIS: 50 WT: 9.3 CHLOR: 2,000 LCM: TR
┠┼┼┼╋╏┼┼┼┼┼┼┼┼┼┼┼┼╢╢╢╢	ic I	7,7	LS, WHT, F XTLN, SOM HRD, FAIR PP TO TITE Ø, SCT DP BLK STNG	NO ODOR	FILT: 8:0 -
			STRKS, PCS CHALKY, NSFO, NV		DST #3 4315-4347
	4400		LS, CRM, WHT, FXTLN, HRO, BRTTL, DNS, NO APP Ø, NS		30.30.30.30 IF: 1", dead @ 27 min
			sh, gry		FF: wk blo, dead@10min
	4 1		CS SITV LAV FORME COM		REC: 5'DM
			SS, SLTY, GRY, FGRNS, WSORY, LT CMTID, SOFT, GØ, NS		TOOL: DM YOIL SPKS -
┟┼┼┲╪╕╂┼┼┼╁╁┼┼╁╂┼╟╢╢┼╢╫╫	A	E	SH, GRY/GRN		FP: 5-7, 7-7
	c				51P:59-34 —
	ł		SH, VARI COLOR		
	ti l	<u> </u>		a	
			LS.CRM, FXTLN, SOFY, VG XTLN Ø, FAIR BRN FO ON BRK, TR GAS, PCS CHLKY WGSHO FO ON BRK,	SHO GAS BRN FO	
		$\dot{\tau}$	Pes CHLKY WGSHO FOON BRK, SOMEFILMY FO	i odor	
		$\frac{1}{1}$	PCS CRM. FXTLN, 56 HRD, VG	?odor	
	C		XTLN Ø, SCT GSY OIL BLEED, NO ODOR		8-27-14 7:AM DST #5 C 4446'
	STARK 14450 -1069		SH, BLK		
			SH, RED. BURG, GRY SCT RED SNDY POS		MUD CHECK VIS: 48 WT: 9.3
			SCT RED SNUY PCS		CHLOR: 1,800 LCM: 1 -
					FILT: 8.0
			LS.WHT, CRM, FXTLN, HR), PP, SCT TAN + PEACHCHT, NS		_
					NETHIL HOLD HUDD
		┙┯┸┯┸	LS, GRY, FXTLM, ONS, HRD, TITE, MS		DST#4 4362-4422 30:45:45:60
	C		SH, VARI COLOR		IF: BOB 27 MIN ISI: NR FF: BOB 39 MIN FSI: NR
	HUSHPUCKNE				REC: 31'MW W/FEW OIL SPTS
	4486-1105		SH, BLK		
	4486-1105				371'SW -
	4486-1105 María - 11		ST, BLK LS, CRM, TAN, F + M XTLN, M HRD, NO APPS, NS		371'SW TOOL: SW W/FEW OIL SPTS
	and a second s		LS, CRM, TAN, F > M XTLN, M HRD, NO APPY, NS SH. VARI COLOR		37)'SW TOOL: SW W/FEW OIL SPTS FP: 19-110, 117-199
	and the		LS, CRM, TAN, F+M XTLN, M HRD, NO APPY, NS SH. VARI COLOR LS, WHT, M XTLN, V HRD, SCT W CMT'D OOLS, G INT XTLN Ø, BLK		371'SW TOOL: SW W/FEW OIL SPTS
	4500 вкс		LS, CRM, TAN, F > M XTLN, M HRD, NO APPY, NS SH. VARI COLOR LS, WHT, M XTLN, V HRD, SCT W CMT'D OOLS, G INT XTLN Ø, BLK DD OLL FILL Ø, NSFO		37)'SW TOOL: SW W/FEW OIL SPTS FP: 19-110, 117-199
	4500 Bkc 4510 - 1/29		LS, CRM, TAN, F > M XTLN, M HRD, NO APP Ø, NS SH. VARI COLOR LS, WHT, M XTLN, V HRD, SCT W CMT'D OOLS, G INT XTLN Ø, BLK DD OIL FILL Ø, NSFO LS WHT, S > M HRD, N SL CHERV.		37)'SW TOOL: SW W/FEW OIL SPTS FP: 19-110, 117-199
	4500 вкс		LS, CRM, TAN, F + M XTLN, M HRD, NO APP & MS SH. VARI COLOR LS, WHT, M XTLN, U HRD, SCT W CMT'D OOLS, G INT XTLN Ø, BLK DD OLL FILL Ø, NSFO LS, WHT, S + M HRD, V SL CHLKY, VG BRN + BLK STNG STRKS, MED BRN FO ON BRK, F+G SFO ON BRK, NOT OIL WET, NO VIS ENERGY	NO ODOR NO ODOR	37)' SW TOOL: SW W/FEW OIL SPTS FP: 19-110, 117-199 SIP: 1252-1219
	4500 BKC 4510 - 1129 PLEASANTON		LS, CRM, TAN, F > M XTLN, M HRD, NO APP Ø, MS SH. VARI COLOR LS, WHT, M XTLN, V HRD, SCT W CMT'D OOLS, G INT XTLN Ø, BLK DD OIL FILL Ø, NSFO LS, WHT, S > M HRD, V SL CHLKY, VG BRN + BLK STNG STRKS, MED BRN FO ON BRK, F = G SFO ON BRK, NOT OIL WET, NO VIS ENERGY FEW RNBW SPTS N CUP	NO ODOR NO ODOR	37)'SW TOOL: SW W/FEW OIL SPTS FP: 19-110, 117-199 SIP: 1252-1219
	4500 BKC 4510 - 1129 PLEASANTON		LS, CRM, TAN, F + M XTLN, M HRD, NO APP & MS SH. VARI COLOR LS, WHT, M XTLN, U HRD, SCT W CMT'D OOLS, G INT XTLN Ø, BLK DD OLL FILL Ø, NSFO LS, WHT, S + M HRD, V SL CHLKY, VG BRN + BLK STNG STRKS, MED BRN FO ON BRK, F+G SFO ON BRK, NOT OIL WET, NO VIS ENERGY	NO ODOR NO ODOR	371'SW TOOL: SW W/FEW OIL SPTS FP: 19-110, 117-199 SIP: 1252-1219 7:AM 8-28-14 CONDNE 4522
$CFS 45^{\prime\prime}$	4500 BKC 4510 - 1129 PLEASANTON		LS, CRM, TAN, F > M XTLN, M HRD, NO APP Ø, MS SH. VARI COLOR LS, WHT, M XTLN, V HRD, SCT W CMT'D OOLS, G INT XTLN Ø, BLK DD OIL FILL Ø, NSFO LS, WHT, S > M HRD, V SL CHLKY, VG BRN + BLK STNG STRKS, MED BRN FO ON BRK, F = G SFO ON BRK, NOT OIL WET, NO VIS ENERGY FEW RNBW SPTS N CUP	NO ODOR NO ODOR	37]'SW TOOL: SW "/FEW OIL SPTS FP: 19-110, 117-199 SIP: 1252-1219 7:AM 8-28-14 COND € 4522 MUD CHECK
	4500 BKC 4510 - 1129 PLEASANTON		LS, CRM, TAN, F > M KTLN, M HRD, NO APP & MS SH. VARI COLOR LS, WHT, M XTLN, V HRD, SCT W CMT'D OOLS, G INT XTLN Ø, BLK DD OL FILL Ø, NSFO LS, WHT, S > M HRD, V SL CHLKY, VG BRN FO W HRD, V SL CHLKY, VG BRN FO W BRK, F > G SFO ON BRK, NOT OIL WET, NO VIS ENERGY FEW RNBW SPTS N CUP SH, VARI COLOR LS, TAN, F KTLN, HRD, TITE, NS	NO ODOR NO ODOR	37)'SW TOOL: SW W/FEW OIL SPTS FP: 19-110, 117-199 SIP: 1252-1219 7:AM 8-28-14 COND& 4522 MUD CHECK VIS: 48 WT: 9.3 CHLOR: 1,000 LCM: 1
	4500 BKC 4510 - 1129 4516 - 1135		LS, CRM, TAN, F > M KTLN, M HRD, NO APP Ø, MS SH. VARI COLOR LS, WHT, M XTLN, V HRD, SCT W CMT'D OOLS, G INT XTLN Ø, BLK DD OIL FILL Ø, NSFO LS, WHT, S > M HRD, V SL CHLKY, VG BRN + BLK STWG STRKS, MED BRN FO ON BRK, F + G SFO ON BRK, NOT OIL WET, NO VIS ENERGY FEW RNBW SPTS N CUP SH, VARI COLOR	NO ODOR NO ODOR	371'SW TOOL: SW W/FEW OIL SPTS FP: 19-110, 117-199 SIP: 1252-1219 7:AM 8-28-14 COND& 4522 MUD CHECK VIS: 48 WT: 9.3
	4500 ВКС 4510 - 1/29 сРибазантол 4516 - 1135 Макталол		LS, CRM, TAN, F > M KTLN, M HRD, NO APP & MS SH. VARI COLOR LS, WHT, M XTLN, V HRD, SCT W CMT'D OOLS, G INT XTLN Ø, BLK DD OL FILL Ø, NSFO LS, WHT, S > M HRD, V SL CHLKY, VG BRN FO W HRD, V SL CHLKY, VG BRN FO W BRK, F > G SFO ON BRK, NOT OIL WET, NO VIS ENERGY FEW RNBW SPTS N CUP SH, VARI COLOR LS, TAN, F KTLN, HRD, TITE, NS	NO ODOR NO ODOR	371'SW TOOL: SW W/FEW OIL SPTS FP: 19-110, 117-199 SIP: 1252-1219 7:AM 8-28-14 COND& 4522 MUD CHECK VIS: 48 WT: 9.3 CHLOR: 1,000 LCM: 1 FILT: 8.0
	4500 ВКС 4510 - 1/29 сРибазантол 4516 - 1135 Макталол		LS, CRM, TAN, F > M KTLN, M HRD, NO APP & MS SH. VARI COLOR LS, WHT, M XTLN, U HRD, SCT W CMT'D OOLS, G INT XTLN Ø, BLK DD OIL FILL Ø, NSFO LS, WHY, S > M HRD, V SL CHLKY, VG BRN FO ON BRK, F > G SFO ON BRK, NOT OIL WET, NO VIS ENERGY FEW RNBW SPTS N CUP SH, VARI COLOR LS, TAN, F KTLN, HRD, T ITE, NS SH, GRY, RED LS, GRY, F XTLN, HRD, T (TE, NS	NO ODOR NO ODOR	371'SW TOOL: SW YFEW OIL SPTS FP: 19-110, 117-199 SIP: 1252-1219 7:AM 8-28-14 COND&@ 4522 MUD CHECK VIS: 48 WT: 9.3 CHLOR: 1,000 LCM: 1 FILT: 8.0 DST#54400-4446 30.30.30.30
	4500 ВКС 4510 - 1/29 сРибазантол 4516 - 1135 Макталол		LS, CRM, TAN, F + M XTLN, M HRD, NO APP & MS SH. VARI COLOR LS, WHT, M XTLN, V HRD, SCT W CMT'D OOLS, G INT XTLN Ø, BLK DD OIL FILL Ø, NSFO LS, WHT, S + M HRD, V SL CHLKY, VG BRN+BLK STNG STRKS, MED BRN FO ON BRK, F+G SFO ON BRK, NOT OIL WET, NO VIS ENERGY FEW RNBW SPTS N CUP SH, VARI COLOR LS, TAN, F KTLN, HRD, T ITE, NS SH, GRY, RED LS, GRY, F XTLN, HRD, T (TE, NS	NO ODOR	371'SW TOOL: SW YFEW OIL SPTS FP: 19-110, 117-199 SIP: 1252-1219 7:AM 8-28-14 COND&@ 4522 MUD CHECK VIS: 48 WT: 9.3 CHLOR: 1,000 LCM: 1 FILT: 8:0 DST#54400-4446 30.30.30.30 IF: SURF 610, dead 7min
	4500 ВКС 4510 - 1/29 сРибазантол 4516 - 1135 Макталол		LS, CRM, TAN, F > M KTLN, M HRD, NO APP & MS SH. VARI COLOR LS, WHT, M XTLN, V HRD, SCT W CMT'D OOLS, G INT XTLN Ø, BLK DD OLL FILL Ø, NSFO LS, WHT, S > M HRD, V SL CHLKY, VG BRN + BLK STWG STRKS, MED BRN FO ON BRK, F > G SFO ON BRK, NOT OIL WET, NO VIS ENERGY FEW RNBW SPTS N CUP SH, VARI COLOR LS, TAN, F KTLN, HRD, TITE, NS SH, GRY, F XTLN, HRD, TITE, NS SH, GRY, F XTLN, HRD, TITE, NS	NO ODOR	371'SW TOOL: SW YFEW OIL SPTS FP: 19-110, 117-199 SIP: 1252-1219 7:AM 8-28-14 CONDNE 4522 MUD CHECK VIS: 48 WT: 9.3 CHLOR: 1,000 LCM: 1 FILT: 8.0 DST#54400-4446 30.30.30.30 IF: SURF 610, dead 7min FF: deod, Flush, dead
	4500 ВКС 4510 - 1/29 сРибазантол 4516 - 1135 Макталол		LS, CRM, TAN, F > M KTLN, M HRD, NO APP & MS SH. VARI COLOR LS, WHT, M XTLN, V HRD, SCT W CMT'D OOLS, G INT XTLN Ø, BLK DD OLL FILL Ø, NSFO LS, WHT, S > M HRD, V SL CHLKY, VG BRN + BLK STWG STRKS, MED BRN FO ON BRK, F > G SFO ON BRK, NOT OIL WET, NO VIS ENERGY FEW RNBW SPTS N CUP SH, VARI COLOR LS, TAN, F KTLN, HRD, TITE, NS SH, GRY, F XTLN, HRD, TITE, NS SH, GRY, F XTLN, HRD, TITE, NS	NO ODOR	371'SW TOOL: SW WFEW OIL SPTS FP: 19-110, 117-199 SIP: 1252-1219 7:AM 8-28-14 COND& 4522 MUD CHECK VIS: 48 WT: 9.3 CHLOR: 1,000 LCM: 1 FILT: 8.0 DST#54400-4446 30.30.30.30 IF: SURF 610, dead 7min FF: dead, Flush, dead REC: 5'DM TOOL: MUD
	4500 ВКС 4510 - 1/29 сРибазантол 4516 - 1135 Макталол		LS, CRM, TAN, F > M XTLN, M HRD, NO APP & MS SH. VARI COLOR LS, WHT, MXTLN, U HRD, SCT W CMT'D OOLS, G INT XTLN Ø, BLK DD OIL FILL Ø, NSFO LS, WHT, S > M HRD, V SK CHLKY, VG BRN = BLK STNG STRKS, MED BRN FO ON BRK, F = G SFO ON BRK, NOT OIL WET, NO VIS ENERGY FEW RNBW SPTS N CUP SH, VARI COLOR LS, TAN, F KTLN, HRD, T ITE, NS SH, GRY, RED LS, GRY, F XTLN, HRD, T ITE, NS SH, GRY, F XTLN, HRD, T ITE, NS SH, GRY, F XTLN, BNS, M HRD, ABUN SH SH, BURG, RED, GRY	NO ODOR	371'SW TOOL: SW WFEW OIL SPTS FP: 19-110, 117-199 SIP: 1252-1219 7:AM 8-28-14 COND&@ 4522 MUD CHECK VIS: 48 WT: 9.3 CHLOR: 1,000 LCM: 1 FILT: 8.0 DST#54400-4446 30.30.30.30 IF: SURF 610, dead 7min FF: dead, Flush, dead REC: 5'DM TOOL: MUD FP: 6-9, 9-12
	4500 BKC 4510 - 1129 <u>PLEASANTON</u> 4516 -1135 <u>MARMATON</u> 4537 -1156 c		LS, CRM, TAN, F + M XTLN, M HRD, NO APP & MS SH. VARI COLOR LS, WHT, MXTLN, U HRD, SCT W CMT'D OOLS, G INT XTLN Ø, BLK DD OIL FILL Ø, NSFO LS, WHT, S + M HRD, V SL CHLKY, VG BRN + BLK STNG STRKS, MED BRN FO ON BRK, F + G SFO ON BRK, NOT OIL WET, NO VIS ENERGY FEW RNBW SPTS N CUP SH, VARI COLOR LS, TAN, F KTLN, HRD, T ITE, NS SH, GRY, F XTLN, BNS, M HRD, ABUN SH SH, BURG, RED, GRY LS, TAN, BRN, F M XTLN, M HRD, P XTLN Ø, NS	NO ODOR	371'SW TOOL: SW WFEW OIL SPTS FP: 19-110, 117-199 SIP: 1252-1219 7:AM 8-28-14 COND& 4522 MUD CHECK VIS: 48 WT: 9.3 CHLOR: 1,000 LCM: 1 FILT: 8.0 DST#54400-4446 30.30.30.30 IF: SURF 610, dead 7min FF: dead, Flush, dead REC: 5'DM TOOL: MUD
	4500 ВКС 4510 - 1129 с. Р. С. АЗАНТОЛ 4516 - 1135 МАКМАТОЛ 4537 - 1156 с Алта МОЛТ		LS, CRM, TAN, F + M XTLN, M HRD, NO APP & MS SH. VARI COLOR LS, WHT, MXTLN, U HRD, SCT W CMT'D OOLS, G INT XTLN Ø, BLK DD OIL FILL Ø, NSFO LS, WHT, S + M HRD, V SL CHLKY, VG BRN + BLK STNG STRKS, MED BRN FO ON BRK, F + G SFO ON BRK, NOT OIL WET, NO VIS ENERGY FEW RNBW SPTS N CUP SH, VARI COLOR LS, TAN, F KTLN, HRD, T ITE, NS SH, GRY, F XTLN, BNS, M HRD, ABUN SH SH, BURG, RED, GRY LS, TAN, BRN, F M XTLN, M HRD, P XTLN Ø, NS	NO ODOR	371'SW TOOL: SW WFEW OIL SPTS FP: 19-110, 117-199 SIP: 1252-1219 7:AM 8-28-14 COND& 4522 MUD CHECK VIS: 48 WT: 9.3 CHLOR: 1,000 LCM: 1 FILT: 8.0 DST#54400-4446 30.30.30.30 IF: SURF blo, dead REC: 5'DM TOOL: MUD FP: 6-9, 9-12 SIP: 261-288
	4500 ВКС 4510 - 1129 с. Р. С. АЗАНТОЛ 4516 - 1135 МАКМАТОЛ 4537 - 1156 с Алта МОЛТ		LS, CRM, TAN, F+M XTLN, M HRD, NO APP Ø, NS SH. VARI COLOR LS, WHT, MXTLN, V HRD, SCT W CMT'D OOLS, G INT XTLN Ø, BLK DD OL FILL Ø, NSFO LS, WHT, S+M HRD, V SK CHLKY, VG BRN+BLK STNG STRKS, MED BRN FO ON BRK, F+G SFO ON BRK, NOT OIL WET, NO VIS ENERGY FEW RNBW SPTS N CUP SH, VARI COLOR LS, TAN, F KTLN, HRD, T ITE, NS SH, GRY, RED LS, GRY, F XTLN, HRD, T ITE, NS SH, BURG, RED, GRY LS, TAN, BRN, F+M XTLN, M HRD, P XTLN Ø.NS LS, WHT, F XTLN, SCT WHT CHT PCS W/N, SOFT, BRTTL, VSLØ, NS	NO ODOR	371'SW TOOL: SW WFEW OIL SPTS FP: 19-110, 117-199 SIP: 1252-1219 7:AM 8-28-14 COND& E4522 MUD CHECK VIS: 48 WT: 9.3 CHLOR: 1,000 LCM: 1 FILT: 8:0 DST#54400-4446 30.30.30.30 IF: SURF blo, dead REC: 5'DM TOOL: MUD FP: 6-9, 9-12 SIP: 261-288 DST#6 4482-4522 _
	4500 ВКС 4510 - 1129 с. Р. С. АЗАНТОЛ 4516 - 1135 МАКМАТОЛ 4537 - 1156 с Алта МОЛТ		LS, CRM, TAN, F + M XTLN, M HRD, NO APP & MS SH. VARI COLOR LS, WHT, MXTLN, U HRD, SCT W CMT'D OOLS, G INT XTLN Ø, BLK DD OIL FILL Ø, NSFO LS, WHT, S + M HRD, V SL CHLKY, VG BRN + BLK STNG STRKS, MED BRN FO ON BRK, F + G SFO ON BRK, NOT OIL WET, NO VIS ENERGY FEW RNBW SPTS N CUP SH, VARI COLOR LS, TAN, F KTLN, HRD, T ITE, NS SH, GRY, F XTLN, BNS, M HRD, ABUN SH SH, BURG, RED, GRY LS, TAN, BRN, F M XTLN, M HRD, P XTLN Ø, NS	NO ODOR	371'SW TOOL: SW WFEW OIL SPTS FP: 19-110, 117-199 SIP: 1252-1219 7:AM 8-28-14 COND& E 4522 MUD CHECK VIS: 48 WT: 9.3 CHLOR: 1,000 LCM: 1 FILT: 8:0 DST#54400-4446 30.30.30.30 IF: SURF blo, dead REC: 5'DM TOOL: MUD FP: 6-9, 9-12 SIP: 261-288 DST#6 4482-4522 30.30.30.30
	4500 ВКС 4510 - 1129 с. Р. С. АЗАНТОЛ 4516 - 1135 МАКМАТОЛ 4537 - 1156 с Алта МОЛТ		LS, CRM, TAN, F > M XTLN, M HRD, NO APP & MS SH. VARI COLOR LS, WHT, MXTLN, U HRD, SCT W CMT'D OOLS, G INT XTLN Ø, BLK DD OIL FILL Ø, NSFO LS, WHT, S > M HRD, V SK CHLKY, VG BRN = BLK STNG STRKS, MED BRN FO ON BRK, F > G SFO ON BRK, NOT OIL WET, NO VIS ENERGY FEW RNBW SPTS N CUP SH, VARI COLOR LS, TAN, F KTLN, HRD, T ITE, NS SH, GRY, RED LS, GRY, F XTLN, HRD, T (TE, NS SH, GRY, F XTLN, HRD, T (TE, NS SH, GRY, F XTLN, BNS, M HRD, ABUN SH SH, BURG, RED, GRY LS, TAN, BRN, F > M XTLN, M HRD, P XTLN Ø, NS LS, WHT, F XTLN, SCT WHT CHT PCS W/N, SOFT, BRTTL, VSL Ø, NS SH, GRY, MOSTLY BURG	NO ODOR	371'SW TOOL: SW WFEW OIL SPTS FP: 19-110, 117-199 SIP: 1252-1219 7:AM 8-28-14 COND& 4522 MUD CHECK VIS: 48 WT: 9.3 CHLOR: 1,000 LCM: 1 FILT: 8:0 DST#54400-4446 30.30.30.30 IF: SURF blo, dead 7min FF: dead, Flush, dead REC: 5'DM TOOL: MUD FP: 6-9, 9-12 SIP: 261-288 DST#6 4482-4522 30.30.30.30 IF: DEAD Smin FF: dead, flush, dead IF: DEAD Smin FF: dead, flush, dead
	4500 ВКС 4510 - 1129 с. Р. С. АЗАНТОЛ 4516 - 1135 МАКМАТОЛ 4537 - 1156 с Алта МОЛТ		LS, CRM, TAN, F+M XTLN, M HRD, NO APP Ø, NS SH. VARI COLOR LS, WHT, MXTLN, V HRD, SCT W CMT'D OOLS, G INT XTLN Ø, BLK DD OL FILL Ø, NSFO LS, WHT, S+M HRD, V SK CHLKY, VG BRN+BLK STNG STRKS, MED BRN FO ON BRK, F+G SFO ON BRK, NOT OIL WET, NO VIS ENERGY FEW RNBW SPTS N CUP SH, VARI COLOR LS, TAN, F KTLN, HRD, T ITE, NS SH, GRY, RED LS, GRY, F XTLN, HRD, T ITE, NS SH, BURG, RED, GRY LS, TAN, BRN, F+M XTLN, M HRD, P XTLN Ø.NS LS, WHT, F XTLN, SCT WHT CHT PCS W/N, SOFT, BRTTL, VSLØ, NS	NO ODOR	371'SW TOOL: SW WFEW OIL SPTS FP: 19-110, 117-199 SIP: 1252-1219 7:AM 8-28-14 COND& 4522 MUD CHECK VIS: 48 WT: 9.3 CHLOR: 1,000 LCM: 1 FILT: 8:0 DST#54400-4446 30.30.30.30 IF: SURF blo, dead 7min FF: dead, Flush, dead REC: 5'DM TOOL: MUD FP: 6-9, 9-12 SIP: 261-288 DST#6 4482-4522 30.30.30.30 IF: DEAD SMIN FF: dead, flush, dead REC: 3'DM
	4500 BKC 4510 - 1129 PLEASANTON 4516 -1135 MARMATON 4537 -1156 c ALTAMONT 4569 -1188 c		LS, CRM, TAN, F > M XTLN, M HRD, NO APP φ_{1MS} SH. VARI COLOR LS, WHT, MXTLN, V HRD, SCT W CMT'D OOLS, G INT XTLN φ , BLK DD OIL FILL φ , MSFO LS, WHT, S > M HRD, V SL CHERY, VG BRN = BLK STNG STRKS, MED BRN FO ON BRK, F = G SFO ON BRK, NOT OIL WET, NO VIS ENERGY FEW RNBW SPTS N CUP SH, VARI COLOR LS, TAN, F KTLN, HRD, T ITE, NS SH, GRY, RED LS, GRY, F XTLN, HRD, T (TE, NS SH, GRY, F XTLN, HRD, T (TE, NS SH, GRY, F XTLN, HRD, T (TE, NS SH, GRY, F XTLN, BNS, M HRD, RBUN SH SH, BURG, RED, GRY LS, TAN, RRN, F = M XTLN, M HRD, P XTLN φ .NS LS, WHT, F XTLN, SCT WHT CHT Pes W/N, SOFT, BRTTL, VSL φ , NS SH, GRY, MOSTLY BURG A.A LS, WHT, CRM, F XTLN, HRD,	NO ODOR	371'SW TOOL: SW WFEW OIL SPTS FP: 19-110, 117-199 SIP: 1252-1219 7:AM 8-28-14 CONDNE 4522 MUD CHECK VIS: 48 WT: 9.3 CHLOR: 1,000 LCM: 1 FILT: 8:0 DST#54400-4446 30.30.30.30 IF: SURF blo, dead REC: 5'DM TOOL: MUD FP: 6-9, 9-12 SIP: 261-288 DST#6 4482-4522 30.30.30.30 IF: DEAD SMIN FF: dead, flush, dead REC: 3'DM TOOL: MUD
	4500 ВКС 4510 - 1129 с. Р. С. АЗАНТОЛ 4516 - 1135 МАКМАТОЛ 4537 - 1156 с Алта МОЛТ		LS, CRM, TAN, F > M XTLN, M HRD, NO APP φ_{1MS} SH. VARI COLOR LS, WHT, M XTLN, U HRD, SCT W CMT'D OOLS, G INT XTLN φ , BLK DD OIL FILL φ , MSFO LS, WHT, S > M HRD, V SL CHERY, VG BRN = BLK STNG STRKS, MED BRN FO ON BRK, F = G SFO ON BRK, NOT DIL WET, NO VIS ENERGY FEW RNBW SPTS N CUP SH, VARI COLOR LS, TAN, F KTLN, HRD, T ITE, NS SH, GRY, RED LS, GRY, F XTLN, HRD, T (TE, NS SH, GRY, F XTLN, HRD, T (TE, NS SH, GRY, F XTLN, HRD, T (TE, NS SH, GRY, F XTLN, BNS, M HRD, RBUN SH SH, BURG, RED, GRY LS, TAN, BRN, F = M XTLN, M HRD, Y XTLN φ , NS LS, WHT, F XTLN, SCT WHT CHT PCS W/N, SOFT, BRTTL, VSL φ , NS SH, GRY, MOSTLY BURG A.A LS, WHT, CRM, F XTLN, HRD, ABUN REXTL'P FRACS, NO APPØ	NO ODOR	371'SW TOOL: SW WFEW OIL SPTS FP: 19-110, 117-199 SIP: 1252-1219 7:AM 8-28-14 CONDAL 4522 MUD CHECK VIS: 48 WT: 9.3 CHLOR: 1,000 LCM: 1 FILT: 8.0 DST#54400-4446 30.30.30.30 IF: SURF blo, dead 7min FF: dead, Flush, dead REC: 5'DM TOOL: MUD FP: 6-9, 9-12 SIP: 261-288 DST#6 4482-4522 30.30.30.30 IF: DEAD 5min FF: dead, flush, dead REC: 3'DM TOOL: MUD FP: 6-9, 10-14
	4500 BKC 4510 - 1129 PLEASANTON 4516 -1135 MARMATON 4537 -1156 c ALTAMONT 4569 -1188 c		LS, CRM, TAN, F > M XTLN, M HRD, NO APP φ_{1MS} SH. VARI COLOR LS, WHT, MXTLN, V HRD, SCT W CMT'D OOLS, G INT XTLN φ , BLK DD OIL FILL φ , MSFO LS, WHT, S > M HRD, V SL CHERY, VG BRN = BLK STNG STRKS, MED BRN FO ON BRK, F = G SFO ON BRK, NOT OIL WET, NO VIS ENERGY FEW RNBW SPTS N CUP SH, VARI COLOR LS, TAN, F KTLN, HRD, T ITE, NS SH, GRY, RED LS, GRY, F XTLN, HRD, T (TE, NS SH, GRY, F XTLN, HRD, T (TE, NS SH, GRY, F XTLN, HRD, T (TE, NS SH, GRY, F XTLN, BNS, M HRD, RBUN SH SH, BURG, RED, GRY LS, TAN, RRN, F = M XTLN, M HRD, P XTLN φ .NS LS, WHT, F XTLN, SCT WHT CHT Pes W/N, SOFT, BRTTL, VSL φ , NS SH, GRY, MOSTLY BURG A.A LS, WHT, CRM, F XTLN, HRD,	NO ODOR	371'SW TOOL: SW WFEW OIL SPTS FP: 19-110, 117-199 SIP: 1252-1219 7:AM 8-28-14 CONDNE 4522 MUD CHECK VIS: 48 WT: 9.3 CHLOR: 1,000 LCM: 1 FILT: 8:0 DST#54400-4446 30.30.30.30 IF: SURF blo, dead REC: 5'DM TOOL: MUD FP: 6-9, 9-12 SIP: 261-288 DST#6 4482-4522 30.30.30.30 IF: DEAD SMIN FF: dead, flush, dead REC: 3'DM TOOL: MUD
	4500 BKC 4510 - 1129 PLEASANTON 4516 -1135 MARMATON 4537 -1156 c ALTAMONT 4569 -1188 c		LS, CRM, TAN, F > M XTLN, M HRD, NO APP φ_{1MS} SH. VARI COLOR LS, WH T, M XTLN, U HRD, SCT W CMT'D OOLS, G INT XTLN Ø, BLK DD OLL FILL Ø, NSFO LS, WHT, S > M HRD, V SL CHERY, VG BRN = BLK STNG STRKS, MED BRN FO ON BRK, F > G SFO ON BRK, NOT OIL WET, NO VIS ENERGY FEW RNBW SPTS N CUP SH, VARI COLOR LS, TAN, F KTLN, HRD, T ITE, NS SH, GRY, F XTLN, BNS, M HRD, RBUN SH SH, BURG, RED, GRY LS, TAN, RRN, F > M XTLN, M HRD, P XTLN Ø, NS SH, GRY, MOSTLY BURG A.A LS, WHT, CRM, F XTLN, CRS TXT, HRD, ND APPØ, NS	NO ODOR	371'SW TOOL: SW WFEW OIL SPTS FP: 19-110, 117-199 SIP: 1252-1219 7:AM 8-28-14 CONDAL 4522 MUD CHECK VIS: 48 WT: 9.3 CHLOR: 1,000 LCM: 1 FILT: 8.0 DST#54400-4446 30.30.30.30 IF: SURF blo, dead 7min FF: dead, Flush, dead REC: 5'DM TOOL: MUD FP: 6-9, 9-12 SIP: 261-288 DST#6 4482-4522 30.30.30.30 IF: DEAD 5min FF: dead, flush, dead REC: 3'DM TOOL: MUD FP: 6-9, 10-14
	4500 <u>BKC</u> 4510 - 1129 <u>PLEASANTON</u> 4576 -1135 <u>MARMATON</u> 4537 -1156 c <u>ALTAMONT</u> 4569 -1188 c 4600 c		LS, CRM, TAN, F > M XTLN, M HRD, NO APP φ_{1MS} SH. VARI COLOR LS, WHT, M XTLN, U HRD, SCT W CMT'D OOLS, G INT XTLN Ø, BLK DD OIL FILL Ø, NSFO LS, WHT, S > M HRD, V SL CHLKY, VG BRN = BLK STNG STRKS, MED BRN FO ON BRK, F > G SFO ON BRK, NOT OIL WET, NO VIS ENERGY FEW RNBW SPTS N CUP SH, VARI COLOR LS, TAN, F KTLN, HRD, T ITE, NS SH, GRY, F XTLN, HRD, T ITE, NS SH, SOFT, BRTTL, VSL Ø, NS SH, SOFT, BRTTL, VSL Ø, NS SH, GRY, MOSTLY BURG A.A A.A LS, WHT, CRM, F XTLN, CRS TXT, HRD, NO APPØ, NS LS, TAN, VF XTLN, V DNS + HRD, T ITE, SOME RE XTLY, NS LS, TAN, VF XTLN, V DNS + HRD, T ITE, SOME RE XTLY, NS	NO ODOR	371'SW TOOL: SW WFEW OIL SPTS FP: 19-110, 117-199 SIP: 1252-1219 7:AM 8-28-14 CONDAC 4522 MUD CHECK VIS: 48 WT: 9.3 CHLOR: 1,000 LCM: 1 FILT: 8:0 DST#54400-4446 30.30.30.30 IF: SURF blo, dead 7min FF: dead, Flush, dead REC: 5'DM TOOL: MUD FP: 6-9, 9-12 SIP: 261-288 DST#6 4482-4522 30.30.30.30 IF: DEAD Smin FF: dead, flush, dead REC: 3'DM TOOL: MUD FP: 6-9, 10-14 SIP: 531-370 -
	4500 BKC 4510 - 1129 PLEASANTON 4516 -1135 MARMATON 4537 -1156 c ALTAMONT 4569 -1188 c		LS, CRM, TAN, F + M XTLN, M HRD, NO APP \mathcal{G}_{1MS} SH. VARI COLOR LS, WHT, M XTLN, V HRD, SCT W CMT'D OOLS, G IMT XTLN \mathcal{G} , BLK DD OLL FILL \mathcal{G} , NSFO LS, WHT, S + M HRD, V SL CHLKY, VG BRN + BLK STWG STRKS, MED BRN FO ON BRK, F + G SFO ON BRK, NOT OIL WET, NO VIS ENERGY FEW RNBW SPTS N CUP SH, VARI COLOR LS, TAN, F KTLN, HRD, T ITE, NS SH, G RY, BED LS, G RY, F XTLN, HRD, T ITE, NS SH, G RY, F XTLN, BNS, M HRD, RBUN SH SH, BURG, RED, G RY LS, TAN, RRN, F + M XTLN, M HRD, P XTLN \mathcal{G} , NS LS, WHT, F XTLN, SCT WHT CHT PRS W/N, SO FT, BRTTL, V SL \mathcal{G} , NS SH, G RY, MOSTLY BURG NA LS, CRM, F + M XTLN, CRS TXT, HRD, ND APP \mathcal{G} , NS LS, TAN, VF XTLN, V PNS + HRD, TITE, SOME RE XTLM, NS SH, BLK	NO ODOR	371'SW TOOL: SW WFEW OIL SPTS FP: 19-110, 117-199 SIP: 1252-1219 7:AM 8-28-14 CONDNE 4522 MUD CHECK VIS: 48 WT: 9.3 CHLOR: 1,000 LCM: 1 FILT: 8.0 DST#54400-4446 30.30.30.30 IF: SURF blo, dead 7min FF: dead, Flush, dead REC: 5'DM TOOL: MUD FP: 6-9, 9-12 SIP: 261-288 DST#6 4482-4522 30.30.30.30 IF: DEAD Smin FF: dead, flush, dead REC: 3'DM TOOL: MUD FF: dead, flush, dead REC: 3'DM TOOL: MUD FF: dead, flush, dead REC: 3'DM TOOL: MUD FP: 6-9, 10-14 SIP: 531-370 DST#7 4610-4650
	4500 <u>BKC</u> <u>4510 - 1129</u> <u>PLEASAUTON</u> <u>4516 - 1135</u> <u>MARMATON</u> <u>4537 - 1156</u> c <u>ALTAMONT</u> <u>4569 - 1188</u> c <u>4600</u> c <u>PAWNEE</u>		LS, CRM, TAN, F + M XTLN, M HRD, NO APP $\phi_{i}Ms$ SH. VARI COLOR LS, WHT, M XTLN, V HRD, SCT W EMIT'D OOLS, G IMT XTLN P, BLK DD OIL FILL $\phi_{i}MsFo$ LS, WHT, S + M HRD, V SL CHLKY, VG BRN + BLK STNG STRKS, MED BRN FO ON BRK, F + G SFO ON BRK, NOT OIL WET, NO VIS ENERGY FEW RNEW SPTS N CUP SH, VARI COLOR LS, TAN, F KTLN, HRD, T ITE, NS SH, GRY, RED LS, GRY, F XTLN, HRD, T ITE, NS SH, GRY, F XTLN, BNS, M HRD, RBUN SH SH, BURG, RED, GRY LS, TAN, BRN, F + M XTLN, M HRD, P XTLN $\phi_{i}NS$ LS, WHT, F XTLN, SCT WHT CHT PS W/N, SO FT, BRTTL, VSL $\phi_{i}NS$ SH, GRY, MOSTLY BURG AA A.A LS, WHT, CRM, F XTLN, CRS TXT, HRD, ND APPØ.NS LS, TAN, WF XTLN, V DNS + HRD, TITE, SOME RE XTLY, NS SH, BLK LS, GRY, VCRS + V F XTLN, DNS, V HRD, T ITE, NS	NO ODOR	371'SW TOOL: SW WFEW OIL SPTS FP: 19-110, 117-199 SIP: 1252-1219 7:AM 8-28-14 CONDAC 4522 MUD CHECK VIS: 48 WT: 9.3 CHLOR: 1,000 LCM: 1 FILT: 8:0 DST#54400-4446 30.30.30.30 IF: SURF blo, dead 7min FF: dead, Flush, dead REC: 5'DM TOOL: MUD FP: 6-9, 9-12 SIP: 261-288 DST#6 4482-4522 30.30.30.30 IF: DEAD Smin FF: dead, flush, dead REC: 3'DM TOOL: MUD FP: 6-9, 10-14 SIP: 531-370 -
	4500 <u>BKC</u> <u>4510 - 1129</u> <u>PLEASAUTON</u> <u>4516 - 1135</u> <u>MARMATON</u> <u>4537 - 1156</u> c <u>ALTAMONT</u> <u>4569 - 1188</u> c <u>4600</u> c <u>PAWNEE</u>		LS, CRM, TAN, F + M XTLN, M HRD, NO APP $\phi_{i}Ms$ SH. VARI COLOR LS, WHT, M XTLN, U HRD, SCT W EMIT'D OOLS, G INT XTLN ϕ , BLK DD OIL FILL ϕ , NSFO LS, WHT, S + M HRD, N SL CHERY, VG BRN + BLK STNG STRKS, MED BRN FO ON BRK, F + G SFO ON BRK, NOT OIL WET, NO VIS ENERGY FEW RNEW SPTS N CUP Stl, VARI COLOR LS, TAN, F KTLN, HRD, T ITE, NS SH, G RY, RED LS, G RY, F XTLN, HRD, T ITE, NS SH, G RY, F XTLN, BNS, M HRD, RBUN SH SH, BURG, RED, G RY LS, TAN, BRN, F + M XTLN, M HRD, P XTLN ϕ , NS LS, WHT, F XTLN, SCT WHT CHT PCS W/N, SOFT, BRTTL, VSL ϕ , NS SH, G RY, MOSTLY BURG A.A LS, WHT, CRM, F XTLN, CRS TXT, HRD, ND APP ϕ , NS LS, CRM, F XTLN, V DNS + HRD, TITE, SOME RE XTL4, NS SH, BLK LS, G RY, UCRS + V F XTLN, DNS, M HRD, SCT FRACY WER ϕ , FAIR SFO ON FRAC	NO ODOR NO ODOR	371'SW TOOL: SW YFEW OIL SPTS FP: 19-110, 117-199 SIP: 1252-1219 7:AM 8-28-14 COND& E 4522 MUD CHECK VIS: 48 WT: 9.3 CHLOR: 1,000 LCM: 1 FILT: 8:0 DST#54400-4446 30.30.30.30 IF: SURF blo, dead TMIN FF: dead, Flush, dead REC: 5'DM TOOL: MUD FP: 6-9, 9-12 SIP: 261-288 DST#6 4482-4522 30.30.30.30 IF: DEAD SMIN FF: dead, flush, dead REC: 3'DM TOOL: MUD FP: 6-9, 10-14 SIP: 531-370 DST#7 4610-4650 30.30.30.30 IF: DEAD 7 MIN FF: dead, flush, dead
	4500 <u>BKC</u> <u>4510 - 1129</u> <u>PLEASAUTON</u> <u>4516 - 1135</u> <u>MARMATON</u> <u>4537 - 1156</u> c <u>ALTAMONT</u> <u>4569 - 1188</u> c <u>4600</u> c <u>PAWNEE</u>		LS, CRM, TAN, F + M XTLN, M HRD, NO APP 9, MS SH. VARI COLOR LS, WHT, M XTLV, V HRD, SCT W CMT'D OOLS, G INT XTLN Ø, BLK DD OIL FILL Ø, NSFO LS, WHT, S + M HRD, V SL CHLKY, VG BRN+BLK, STNG STRKS, MED BRK, NOT OIL WET, NO VIS ENERGY FEW RNBW SPTS N CUP SH, VARI COLOR LS, TAN, F KTLN, HRD, T ITE, NS SH, GRY, F XTLN, SCT WHTCHY POS SH, SOFT, BRTL, VSL Ø, NS SH, GRY, MOSTLY BURG MA SH, WHT, CRM, F XTLN, MRD, ND APPØ, NS LS, WHT, CRM, F XTLN, CRS TXT, HRD, ND APPØ, NS LS, TAN, VF XTLN, V DNS + HRD, TITE, SOME RE XTLV, N RN, TITE, SC SH, BLK LS, GRY, VCRS + V F XTLN, DNS, M HRD, SC FRACHWERØ, FAIRSFOONFRAC BRKS, SML FLUOR FO, SLTR GAS. NO VIS Ø,	NO ODOR NO ODOR GHOST FEW RATUBOW	37)'SW TOOL: SW YFEW OIL SPTS FP: 19-110, 117-199 SIP: 1252-1219 7:AM 8-28-14 CONDAL & 4522 MUD CHECK VIS: 48 WT: 9.3 CHLOR: 1,000 LCM: 1 FILT: 8:0 DST#54400-4446 30.30.30.30 IF: SURF blo, dead REC: 5'DM TOOL: MUD FP: 6-9, 9-12 SIP: 261-288 DST#6 4482-4522 30.30.30.30 IF: DEAD SMIN FF: dead, flush, dead REC: 3'DM TOOL: MUD FP: 6-9, 10-14 SIP: 531-370 DST#7 4610-4650 30.30.30.30 IF: DEAD 7 MIN FF: dead, flush, dead REC: 3'DM
	4500 <u>BKC</u> <u>4510 - 1129</u> <u>PLEASAUTON</u> <u>4516 - 1135</u> <u>MARMATON</u> <u>4537 - 1156</u> c <u>ALTAMONT</u> <u>4569 - 1188</u> c <u>4600</u> c <u>PAWNEE</u>		LS, CRM, TAN, F + M XTLN, M HRD, NO APP 9, MS SH. VARI COLOR LS, WHT, M XTLN, V HRD, SCT W CMTT'D OOLS, G LAT XTLN P, BLK DD OLL FILL 9, NSFO LS, WHT, S + M HRD, V SL CHLKY, VG BRN+BLK STNG STRKS, MED BRN FO ON BRK, F+G SFO ON BRK, NOT OIL WET, NO VIS ENERGY FEW RNBW SPTS N CUP SH, VARI COLOR LS, TAN, F XTLN, HRD, T ITE, NS SH, GRY, F XTLN, BNS, M HRD, RBUN SH SH, BURG, RED, GRY LS, TAN, RRN, F+M XTLN, M HRD, P XTLN P.NS LS, WHT, F XTLN, SCT WHT CHT PS W/N, SOFT, BRTTL, VSL Ø, NS SH, GRY, MOSTLY BURG AA A.A LS, WHT, CRM, F XTLN, CRS TXT, HRD, ND APPØ, NS LS, CRM, F+M XTLN, CRS TXT, HRD, ND APPØ, NS LS, CRM, VF XTLN, V PNS+ HRD, TITE, SOME RE XTL4, NS SH, BLK LS, GRY, VCRS V F XTLN, DNS, N HRD, TITE, NS LS, CRM, VF XTLN, DNS, M HRD, SCT FRACHWEAØ, FAIRSFOONFRAC BRKS, SML FLUOR FO, SLTR GAS. NO VIS P. LS, WHT, CRM, VF XTLN, HRD, DNS, STRKS OF WEAPPF WG	NO ODOR NO ODOR G DOR FERANSBOU FERANSBOU NO DDOR	371'SW TOOL: SW Y/FEW OIL SPTS FP: 19-110, 117-199 SIP: 1252-1219 7:AM & 228-14 COND & CHECK MUD CHECK VIS: 48 WT: 9.3 CHLOR: 1,000 LCM: 1 FILT: 8:0 DST # 54400-4446 30.30.30.30 IF: SURF blo, dead 7min FF: dead, Flush, dead REC: 5'DM TOOL: MUD FP: 6-9, 9-12 SIP: 261-288 DST # 6 4482-4522 30.30.30.30 IF: DEAD Smin FF: dead, flush, dead REC: 3'DM TOOL: MUD FP: 6-9, 10-14 SIP: 531-370 DST # 7 4610-4650 30.30.30.30 IF: DEAD 7 min FF: dead, flush, dead REC: 3'DM TOOL: MUD FF: dead, flush, dead REC: 3'DM TOOL: MUD FF: dead, flush, dead REC: 3'DM TOOL: MUD
	4500 <u>BKC</u> <u>4510 - 1129</u> <u>PLEASAUTON</u> <u>4516 - 1135</u> <u>MARMATON</u> <u>4537 - 1156</u> c <u>ALTAMONT</u> <u>4569 - 1188</u> c <u>4600</u> c <u>PAWNEE</u>		LS, CRM, TAN, F + M XTLN, M HRD, NO APP 9, MS SH. VARI COLOR LS, WHT, M XTLN, U HRD, SCT W CMTT'D OOLS, G LAT XTLN P, BLK DD OLL FILL 9, NSFO LS, WHT, S + M HRD, V SL CHLKY, VG BRN+BLK STNG STRKS, MED BRN FO ON BRK, F+G SFO ON BRK, NOT OIL WET, NO VIS ENERGY FEW RNBW SPTS N CUP SH, VARI COLOR LS, TAN, F XTLN, HRD, T ITE, NS SH, GRY, F XTLN, BNS, M HRD, RBUN SH SH, BURG, RED, GRY LS, TAN, BRN, F + M XTLN, M HRD, P XTLN P.NS LS, WHT, F XTLN, SCT WHT CHT PES W/N, SOFT, BRTTL, VSL Ø, NS SH, GRY, MOSTLY BURG A.A LS, WHT, CRM, F XTLN, CRS TXT, HRD, ND APPØ.NS LS, TAN, VF XTLN, V DNS + HRD, T ITE, SOME RE XTLY, NS, M HRD, SCT FRACY WER Ø, FARS SFO ON FRAC BRKS, SML FLUOR FO, SLTR G AS. NO VIS Ø, LS, WHT / CRM, UF XTLN, HRD, DNS, STRKS OF WEAPPF WG LT STNG, FEW FLUOR FO SPTS	NO ODOR NO ODOR ODOR FRAMBOW SPTS NO ODOR VLT FO	371'SW TOOL: SW YFEW OIL SPTS FP: 19-110, 117-199 SIP: 1252-1219 7:Am & 228-14 COND & CHECK VIS: 48 & WT: 9.3 CHLOR: 1,000 & LCM: 1 FILT: 8.0 DST # 5 4400-4446 30.30.30.30 IF: SURF blo, dead REC: 5'DM TOOL: MUD FP: 6-9, 9-12 SIP: 261-288 DST # 6 4482-4522 30.30.30.30 IF: DEAD 5 miN FF: dead, flush, dead REC: 3'DM TOOL: MUD FP: 6-9, 10-14 SIP: 531-370 DST # 7 4610-4650 30.30.30.36 IF: DEAD 7 miN FF: dead, flush, dead REC: 3'DM TOOL: MUD FP: 6-9, 10-14 SIP: 531-370 IF: DEAD 7 miN FF: dead, flush, dead REC: 3'DM TOOL: MUD FP: 6-7, 7-12
	4500 <u>BKC</u> <u>4510 - 1129</u> <u>PLEASAUTON</u> <u>4516 - 1135</u> <u>MARMATON</u> <u>4537 - 1156</u> c <u>ALTAMONT</u> <u>4569 - 1188</u> c <u>4600</u> c <u>PAWNEE</u>		LS, CRM, TAN, F + M XTLN, M HRD, NO APP 9, MS SH. VARI COLOR LS, WHT, M XTLN, V HRD, SCT W CMTT'D OOLS, G LAT XTLN P, BLK DD OLL FILL 9, NSFO LS, WHT, S + M HRD, V SL CHLKY, VG BRN+BLK STNG STRKS, MED BRN FO ON BRK, F+G SFO ON BRK, NOT OIL WET, NO VIS ENERGY FEW RNBW SPTS N CUP SH, VARI COLOR LS, TAN, F XTLN, HRD, T ITE, NS SH, GRY, F XTLN, BNS, M HRD, RBUN SH SH, BURG, RED, GRY LS, TAN, RRN, F+M XTLN, M HRD, P XTLN P.NS LS, WHT, F XTLN, SCT WHT CHT PS W/N, SOFT, BRTTL, VSL Ø, NS SH, GRY, MOSTLY BURG AA A.A LS, WHT, CRM, F XTLN, CRS TXT, HRD, ND APPØ, NS LS, CRM, F+M XTLN, CRS TXT, HRD, ND APPØ, NS LS, CRM, VF XTLN, V PNS+ HRD, TITE, SOME RE XTL4, NS SH, BLK LS, GRY, VCRS V F XTLN, DNS, N HRD, TITE, NS LS, CRM, VF XTLN, DNS, M HRD, SCT FRACHWEAØ, FAIRSFOONFRAC BRKS, SML FLUOR FO, SLTR GAS. NO VIS P. LS, WHT, CRM, VF XTLN, HRD, DNS, STRKS OF WEAPPF WG	NO ODOR NO ODOR ODOR FRAMBOW SPTS NO ODOR VLT FO	371'SW TOOL: SW Y/FEW OIL SPTS FP: 19-110, 117-199 SIP: 1252-1219 7:AM & 228-14 COND & CHECK MUD CHECK VIS: 48 WT: 9.3 CHLOR: 1,000 LCM: 1 FILT: 8:0 DST # 54400-4446 30.30.30.30 IF: SURF blo, dead 7min FF: dead, Flush, dead REC: 5'DM TOOL: MUD FP: 6-9, 9-12 SIP: 261-288 DST # 6 4482-4522 30.30.30.30 IF: DEAD Smin FF: dead, flush, dead REC: 3'DM TOOL: MUD FP: 6-9, 10-14 SIP: 531-370 DST # 7 4610-4650 30.30.30.30 IF: DEAD 7 min FF: dead, flush, dead REC: 3'DM TOOL: MUD FF: dead, flush, dead REC: 3'DM TOOL: MUD FF: dead, flush, dead REC: 3'DM TOOL: MUD
	4500 <u>BKC</u> <u>4510 - 1129</u> <u>PLEASAUTON</u> <u>4516 - 1135</u> <u>MARMATON</u> <u>4537 - 1156</u> c <u>ALTAMONT</u> <u>4569 - 1188</u> c <u>4600</u> c <u>PAWNEE</u>		LS, CRM, TAN, F + M XTLN, M HRD, NO APP 9, MS SH. VARI COLOR LS, WHT, M XTLN, U HRD, SCT W CMTT'D OOLS, G LAT XTLN P, BLK DD OLL FILL 9, NSFO LS, WHT, S + M HRD, V SL CHLKY, VG BRN+BLK STNG STRKS, MED BRN FO ON BRK, F+G SFO ON BRK, NOT OIL WET, NO VIS ENERGY FEW RNBW SPTS N CUP SH, VARI COLOR LS, TAN, F XTLN, HRD, T ITE, NS SH, GRY, F XTLN, BNS, M HRD, RBUN SH SH, BURG, RED, GRY LS, TAN, BRN, F + M XTLN, M HRD, P XTLN P.NS LS, WHT, F XTLN, SCT WHT CHT PES W/N, SOFT, BRTTL, VSL Ø, NS SH, GRY, MOSTLY BURG A.A LS, WHT, CRM, F XTLN, CRS TXT, HRD, ND APPØ.NS LS, TAN, VF XTLN, V DNS + HRD, T ITE, SOME RE XTLY, NS, M HRD, SCT FRACY WER Ø, FARS SFO ON FRAC BRKS, SML FLUOR FO, SLTR G AS. NO VIS Ø, LS, WHT / CRM, UF XTLN, HRD, DNS, STRKS OF WEAPPF WG LT STNG, FEW FLUOR FO SPTS	NO ODOR NO ODOR ODOR FRAMBOW SPTS NO ODOR VLT FO	371'SW TOOL: SW YFEW OIL SPTS FP: 19-110, 117-199 SIP: 1252-1219 7:Am & 228-14 COND & CHECK VIS: 48 & WT: 9.3 CHLOR: 1,000 & LCM: 1 FILT: 8.0 DST # 5 4400-4446 30.30.30.30 IF: SURF blo, dead REC: 5'DM TOOL: MUD FP: 6-9, 9-12 SIP: 261-288 DST # 6 4482-4522 30.30.30.30 IF: DEAD 5 miN FF: dead, flush, dead REC: 3'DM TOOL: MUD FP: 6-9, 10-14 SIP: 531-370 DST # 7 4610-4650 30.30.30.36 IF: DEAD 7 miN FF: dead, flush, dead REC: 3'DM TOOL: MUD FP: 6-9, 10-14 SIP: 531-370 IF: DEAD 7 miN FF: dead, flush, dead REC: 3'DM TOOL: MUD FP: 6-7, 7-12
	4500 <u>BKC</u> <u>4510 - 1129</u> <u>PLEASAUTON</u> <u>4516 - 1135</u> <u>MARMATON</u> <u>4537 - 1156</u> c <u>ALTAMONT</u> <u>4569 - 1188</u> c <u>4600</u> c <u>PAWNEE</u>		LS, CRM, TAN, F + M XTLN, M HRD, NO APP 9, MS SH. VARI COLOR LS, WHT, M XTLN, U HRD, SCT W CMT'D OOLS, G INT XTLN P, BLK DD OLL FILL 9, NSFO LS, WHT, S + M HRD, V SL CHLKY, VE BRN + BLK STN & STRKS, MED BRN FO ON BRK, F+G SFO ON BRK, NOT OIL WET, NO VISENERGY FEW RNBW SPTS N CUP SH, VARI COLOR LS, TAN, F XTLN, HRD, T ITE, NS SH, GRY, RED LS, GRY, F XTLN, HRD, T ITE, NS SH, GRY, RED LS, GRY, F XTLN, HRD, T ITE, NS SH, GRY, F XTLN, BNS, M HRD, RBUN SH SH, BURG, RED, GRY LS, TAN, BRN, F + M XTLN, M HRD, P XTLN P.NS LS, WHT, F XTLN, SCT WHT CHT PS W/N, SOFT, BRTTL, VSL Ø, NS SH, GRY, MOSTLY BURG A.A A.A LS, WHT, CRM, F XTLN, CRS TXT, HRD, ND APPØ, NS LS, CRM, YF XTLN, V PNS + HRD, TITE, SOME RE XTLY, NS, M HRD, ST FRACE WEAØ, FAIRS FO ON FRAC BRKS, SML FLUOR FO, SL TR GAS. NO VIS P, LS, WHT / CRM, UF XTLN, HRD, SH, BLK LS, CRM, YF XTLN, V FNS, M HRD, ST FRACE WEAØ, FAIRS FO ON FRAC BRKS, SML FLUOR FO, SL TR GAS. NO VIS P, LS, WHT / CRM, UF XTLN, HRD, DNS, STRKS OF WEAPPP WG LT STNG, FEW FLUOR FO SPTS ON BRK	NO ODOR NO ODOR ODOR FEW WE DOR VIT FO	371'SW TOOL: SW W/FEW OIL SPTS FP: 19-110, 117-199 SIP: 1252-1219 7:AM 8-28-14 CONDAC 4522 MUD CHECK VIS: 48 WT: 9.3 CHLOR: 1,000 LCM: 1 FILT: 8:0 DST#54400-4446 30.30.30.30 IF: SURF blo, dead TMIN FF: dead, Flush, dead REC: 5'DM TOOL: MUD FP: 6-9, 9-12 SIP: 261-288 DST#6 4482-4522 30.30.30.30 IF: DEAD SMIN FF: dead, flush, dead REC: 3'DM TOOL: MUD FP: 6-9, 10-14 SIP: 531-370 DST#7 4610-4650 30.30.30.36 IF: DEAD 7 MIN FF: dead, flush, dead REC: 3'DM TOOL: MUD FP: 6-7, 7-12 SIP: 87-101
	4500 <u>BKC</u> <u>4510 - 1129</u> <u>PLEASAUTON</u> <u>4516 - 1135</u> <u>MARMATON</u> <u>4537 - 1156</u> c <u>ALTAMONT</u> <u>4569 - 1188</u> c <u>4600</u> c <u>PAWNEE</u>		LS, CRM, TAN, F + M XTLN, M HRD, NO APP 9, MS SH. VARI COLOR LS, WHT, M XTLN, U HRD, SCT W CMTT'D OOLS, G [WT XTLN P, BLK DD OLL FILL 9, NST, O LS, WHT, S + MRD, V SL CHLKY, VG BRN + BLK STNG STRKS, MED BRN FO ON BRK, F+G SFO ON BRK, NOT OIL WET, NO VIS ENERGY FEW RNBW SPTS N CUP SH, VARI COLOR LS, TAN, F XTLN, HRD, T ITE, NS SH, GRY, F XTLN, BNS, M HRD, RBUN SH SH, BURG, RED, GRY LS, TAN, RRN, F M XTLN, M HRD, Y XTLN P, NS LS, WHT, F XTLN, SCT WHT CHT PCS W/N, SOFT, BRTTL, VSL Ø, NS SH, GRY, MOSTLY BURG A.A LS. WHT, CRM, F XTLN, CRS TXT, HRD, ND APPØ, NS SH, GRY, VCRS + V F XTLN, DNS, M HRD, ST FRACH WEA G, FARS FO ON FRAC BRKS, SML FLUOR FO, SLTR GAS. NO VIS P, LS, GRY, WCRS + V F XTLN, HRD, ST FRACH WEA G, FARS FO ON FRAC BRKS, SML FLUOR FO, SLTR GAS. NO VIS P, LS. CRM, VE XTLN, UP XSLTN, HRD, ST FRACH WEA G, FARS FO ON FRAC BRKS, SML FLUOR FO, SLTR GAS. NO VIS P, LS. STRKS OF WEAPPP WG LT STNG, FEW FLUOR FO SPTS ON BRK	NO ODOR NO ODOR GODOR FEW NO ODOR NO ODOR	371'SW TOOL: SW W/FEW OIL SPTS FP: 19-110, 117-199 SIP: 1252-1219 7:AM 8-28-14 CONDAC 4522 MUD CHECK VIS: 48 WT: 9.3 CHLOR: 1,000 LCM: 1 FILT: 8:0 DST#54400-4446 30.30.30.30 IF: SURF blo, dead TMIN FF: dead, Flush, dead REC: 5'DM TOOL: MUD FP: 6-9, 9-12 SIP: 261-288 DST#6 4482-4522 30.30.30.30 IF: DEAD SMIN FF: dead, flush, dead REC: 3'DM TOOL: MUD FP: 6-9, 10-14 SIP: 531-370 DST#7 4610-4650 30.30.30.36 IF: DEAD 7 MIN FF: dead, flush, dead REC: 3'DM TOOL: MUD FP: 6-7, 7-12 SIP: 87-101
	4500 <u>ВКС</u> 4510 - 1129 <u>РЕБАЗАНТОЛ</u> 4576 - 1135 <u>МАКМАТОЛ</u> 4537 - 1156 с <u>АLTA MONT</u> 4569 - 1188 с <u>А</u> 4600 с <u>РАШЛЕЕ</u> 4619 - 1238 с		LS, CRM, TAN, F + M XTLN, M HRD, NO APP 9, MS SH. VARI COLOR LS, WHT, M XTLN, V HRD, SCT W CMT'D OOLS, G INT XTLN P, BLK DD DIL FILL P, NSFO LS, WHT, S + M HRD, V SL CHLKY, VG, BRN-PBLK, STN4, STRKS, MED BRN FO ON BRK, F+GS FO ON BRK, NOT OIL WET, NO VIS ENERGY FEW RNBW SPTS N CUP SH, VARI COLOR LS, TAN, F KTLN, HRD, T ITE, NS SH, GRY, F XTLN, BNS, M HRD, RBUN SH SH, BURG, RED, GRY LS, TAN, BRN, F + M XTLN, M HRD, P XTLN P.NS LS, WHT, F XTLN, SCT WHT CHT PS W/N, SOFT, BRTL, VSL Ø, NS SH, GRY, MOSTLY BURG A.A LS, WHT, CRM, F XTLN, CRS TXT, HRD, ND APPØ.NS LS, TAN, WF XTLN, V DNS + HRD, TITE, SOME RE XTLY, NS SH, BLK LS, GRY, U CRS + V F XTLN, DNS, M HRD, SCT FRACHER Ø, FAIRS FO ON FRAC BRKS, SML FLUOR FO, SLTR G AS. NO VIS Ø, LS, WHT / CRM, UF XTLN, HRD, SCT FRACHER Ø, FAIRS FO ON FRAC BRKS, SML FLUOR FO, SLTR G AS. NO VIS Ø, LS, WHT / CRM, UF XTLN, HRD, SCT FRACHER Ø, FAIRS FO ON FRAC BRKS, SML FLUOR FO, SLTR G AS. NO VIS Ø, LS, WHT / CRM, UF XTLN, HRD, SCT FRACHER Ø, FAIRS FO ON FRAC BRKS, SML FLUOR FO, SLTR G AS. NO VIS Ø, LS, WHT / CRM, UF XTLN, HRD, SCT FRACHER Ø, FAIRS FO ON FRAC BRKS, SML FLUOR FO, SLTR G AS. NO VIS Ø, LS, WHT / CRM, UF XTLN, HRD, SCT FRACHER Ø, FAIRS FO ON FRAC BRKS, SML FLUOR FO, SLTR G AS. NO VIS Ø, LS, WHT / CRM, UF XTLN, HRD, SCT FRACHER Y, PXTLN, OF SHOFO BRK SH, BLK SH, BLK	NO ODOR NO ODOR GODOR FEW NO ODOR NO ODOR	371'SW TOOL: SW W/FEW OIL SPTS FP: 19-110, 117-199 SIP: 1252-1219 7:AM 8-28-14 CONDAC 4522 MUD CHECK VIS: 48 WT: 9.3 CHLOR: 1,000 LCM: 1 FILT: 8:0 DST#54400-4446 30.30.30.30 IF: SURF blo, dead TMIN FF: dead, Flush, dead REC: 5'DM TOOL: MUD FP: 6-9, 9-12 SIP: 261-288 DST#6 4482-4522 30.30.30.30 IF: DEAD SMIN FF: dead, flush, dead REC: 3'DM TOOL: MUD FP: 6-9, 10-14 SIP: 531-370 DST#7 4610-4650 30.30.30.36 IF: DEAD 7 MIN FF: dead, flush, dead REC: 3'DM TOOL: MUD FP: 6-7, 7-12 SIP: 87-101
	4500 <u>BKC</u> <u>4500</u> <u>BKC</u> <u>4516 -1129</u> <u>PLEASANTON</u> <u>4516 -1135</u> <u>MARMATON</u> <u>4537 -1156</u> c <u>ALTAMONT</u> <u>4569 -1188</u> c <u>4600</u> c <u>PAWNEE</u> <u>4619 -1238</u> c		LS, CRM, TAN, F + M XTLN, M HRD, NO APP Ø, MS SH. VARI COLOR LS, WHT, M XTLV, V HRD, SCT W CMT'D OOLS, G IMT XTLV Ø, BLK DD DIL FILL Ø, NSFO LS, WHT, S + M HRD, V SL CHLKY, VG, BRN-BLK, STNG STRKS, MED BRN FO ON BRK, F+G, SFO ON BRK, NOT OIL WET, NO VIS ENERGY FEW RNBW SPTS N CUP SH, VARI COLOR LS, TAN, F KTLN, HRD, T ITE, NS SH, GRY, FEL LS, GRY, F XTLN, HRD, T ITE, NS SH, GRY, F XTLN, BNS, M HRD, RBUN SH SH, BURG, RED, GRY LS, TAN, BRN, F+M XTLN, M HRD, P XTLN Ø NS LS, WHT, F XTLN, SCT WHT CHT PRS W/M, SOFT, BRTL, VSL Ø, NS SH, GRY, MOSTLY BURG A.A LS, WHT, CRM, F XTLN, CRS TXT, HRD, ND APPØ.NS LS, CRM, VF XTLN, V DNS + HRD, T ITE, SOME RE XTLU, NS, M HRD, ST FARS Y U CRS + V F XTLN, DNS, M HRD, ST FRKS, SML FLNOR F XTLN, HRD, SH, BLK LS, CRM, VF XTLN, NS, M HRD, ST FRRKS, SML FLNOR F XTLN, HRD DNS, STRK S OF WER APP M SH, BLK LS, CRM, VF XTLN, MS, M HRD, ST FRKS OF WER FLUOR FO SPTS ON BRK SH, BLK LS, WHT / CRM, UF XTLN, HRD DNS, STRK S OF WER APP M SH, BLK LS, CRM, VF XTLN, DNS, M HRD, ST FRKS, SML FLUOR FO SPTS ON BRK SH, GRY, WCRS + XTLN, DNS, HRD, ST SH, BLK LS, CRM, VF XTLN, DNS, HRD, ST NO KRK SH, GRY, WCRS H XLN, DNS, HRD, ST NO KRK SH, GRY, WCRS H XLN, DNS, HRD, ST NO KRK SH, BLK LS, CRM, VF XTLN, DNS, HRD, ST NO KRK SH, BLK LS, CAR, BLK LS, CAR, BLK LS, CAR, BLK LS, CAR, CH XTLN, DNS, HRD, ST NO KRK SH, BLK LS, CAR, CH XTLN, DNS, HRD, ST NO KRK SH, BLK LS, CAR, CH XTLN, DNS, HRD, ST NO KRK SH, BLK SH,	NO ODOR GHOST ODOR FEW SPTS NO ODOR VLT FO NO ODOR VLT FO NO ODOR	37]'SW TOOL: SW $V/FEW OIL SPTS$ FP: $ 9-110, 117-199$ SIP: $1252-1219$ 7:AM $8-28-14$ CONDAL 4522 MUD CHECK VIS: 48 WT: 9.3 CHLOR: 1,000 LCM: 1 FILT: 8:0 DST #54400-4446 30.30.30.30.30 IF: SURF blo, dead TMIN FF: dead, Flush, dead REC: 5'DM TOOL: MUD FP: 6-9, 9-12 SIP: 261-288 DST #6 4482-4522 30.30.30.30 IF: DEAD SMIN FF: dead, flush, dead REC: 3'DM TOOL: MUD FP: 6-9, 10-14 SIP: 531-370 DST #7 4610-4650 30.30.30.36 IF: DEAD 7 MIN FF: dead, flush, dead REC: 3'DM TOOL: MUD FP: 6-7, 7-12 SIP: 87-101
	4500 <u>ВКС</u> 4510 - 1129 <u>РЕБАЗАНТОЛ</u> 4576 - 1135 <u>МАКМАТОЛ</u> 4537 - 1156 с <u>АLTA MONT</u> 4569 - 1188 с <u>А</u> 4600 с <u>РАШЛЕЕ</u> 4619 - 1238 с		LS, CRM, TAN, F + M XTLN, M HRD, NO APP Ø, MS SH. VARI COLOR LS, WHT, M XTLV, V HRD, SCT W CMT'D OOLS, G IMT XTLV Ø, BLK DD DIL FILL Ø, NSFO LS, WHT, S + M HRD, V SL CHLKY, VG, BRN-BLK, STNG STRKS, MED BRN FO ON BRK, F+G, SFO ON BRK, NOT OIL WET, NO VIS ENERGY FEW RNBW SPTS N CUP SH, VARI COLOR LS, TAN, F KTLN, HRD, T ITE, NS SH, GRY, FEL LS, GRY, F XTLN, HRD, T ITE, NS SH, GRY, F XTLN, BNS, M HRD, RBUN SH SH, BURG, RED, GRY LS, TAN, BRN, F+M XTLN, M HRD, P XTLN Ø NS LS, WHT, F XTLN, SCT WHT CHT PRS W/M, SOFT, BRTL, VSL Ø, NS SH, GRY, MOSTLY BURG A.A LS, WHT, CRM, F XTLN, CRS TXT, HRD, ND APPØ.NS LS, CRM, VF XTLN, V DNS + HRD, T ITE, SOME RE XTLU, NS, M HRD, ST FARS Y U CRS + V F XTLN, DNS, M HRD, ST FRKS, SML FLNOR F XTLN, HRD, SH, BLK LS, CRM, VF XTLN, NS, M HRD, ST FRRKS, SML FLNOR F XTLN, HRD DNS, STRK S OF WER APP M SH, BLK LS, CRM, VF XTLN, MS, M HRD, ST FRKS OF WER FLUOR FO SPTS ON BRK SH, BLK LS, WHT / CRM, UF XTLN, HRD DNS, STRK S OF WER APP M SH, BLK LS, CRM, VF XTLN, DNS, M HRD, ST FRKS, SML FLUOR FO SPTS ON BRK SH, GRY, WCRS + XTLN, DNS, HRD, ST SH, BLK LS, CRM, VF XTLN, DNS, HRD, ST NO KRK SH, GRY, WCRS H XLN, DNS, HRD, ST NO KRK SH, GRY, WCRS H XLN, DNS, HRD, ST NO KRK SH, BLK LS, CRM, VF XTLN, DNS, HRD, ST NO KRK SH, BLK LS, CAR, BLK LS, CAR, BLK LS, CAR, BLK LS, CAR, CH XTLN, DNS, HRD, ST NO KRK SH, BLK LS, CAR, CH XTLN, DNS, HRD, ST NO KRK SH, BLK LS, CAR, CH XTLN, DNS, HRD, ST NO KRK SH, BLK SH,	NO ODOR NO ODOR GHOST FEW FEW NO ODOR VLT FO NO ODOR VLT FO	37]'SW TOOL: SW $V/FEW OIL SPTS$ FP: $ 9-110, 117-199$ SIP: $1252-1219$ 7:AM $8-28-14$ CONDAL 4522 MUD CHECK VIS: 48 WT: 9.3 CHLOR: 1,000 LCM: 1 FILT: 8:0 DST #54400-4446 30.30.30.30.30 IF: SURF blo, dead TMIN FF: dead, Flush, dead REC: 5'DM TOOL: MUD FP: 6-9, 9-12 SIP: 261-288 DST #6 4482-4522 30.30.30.30 IF: DEAD SMIN FF: dead, flush, dead REC: 3'DM TOOL: MUD FP: 6-9, 10-14 SIP: 531-370 DST #7 4610-4650 30.30.30.36 IF: DEAD 7 MIN FF: dead, flush, dead REC: 3'DM TOOL: MUD FP: 6-7, 7-12 SIP: 87-101
	4500 <u>ВКС</u> 4510 - 1129 <u>РЕБАЗАНТОЛ</u> 4576 - 1135 <u>МАКМАТОЛ</u> 4537 - 1156 с <u>АLTA MONT</u> 4569 - 1188 с <u>А</u> 4600 с <u>РАШЛЕЕ</u> 4619 - 1238 с		LS, CRM, TAN, F + M XTLN, M HRD, NO APPØ, NS SH. VARI COLOR LS, WHT, M XTLV, V H/RD, SCT W CMT'D OOLS, G INT XTLVØ, BLK DD OIL FILLØ, SSFO LS, WHT, S + M HRD, V SL CHEKY, VG BRN + BLK STNG STRKS, MED BRN F ON BKN, F & SFO BN BRN, NOT OIL WET, NO VIS ENERGY FEW RNBW SPTS N CUP SH, VARI C OLOR LS, TAN, F KTLN, HRD, T ITE, NS SH, GRY, F XTLN, BNS, M HRD, RBUN SH SH, BURG, RED, GRY LS, TAN, BRN, F + M XTLN, M HRD, P XTLNØ, NS LS, WHT, F XTLN, SCT WHT CHT PCS W/N, SO FT, BRTTL, VSLØ, NS SH, GRY, MOSTLY BURG A.A LS. WHT, CRM, F XTLN, CRS TXT, HRD, ND APPØ, NS LS, CRM, F + M XTLN, CRS TXT, HRD, ND APPØ, NS LS, CRM, F XTLN, V DNS + HRD, T ITE, SOME RE XTL4, NS SH, BLK LS, GRY, V CRS + V F XTLN, DNS, N HRD, T ITE, NS LS, CRM, VF XTLN, N S, M HRD, ST FRACH WEAØ, FARS FO ON FRAC NN SN F, LS, WHT / CRM, VF XTLN, HRD, DNS, STRKS OF WEAPPØ ''G LT STNG, FEW FLUOR FO SPTS ON BRK SH, BLK LS, TAN, UF XTLN, DNS, HRD, SCT FRACH WEAØ, F SHON SCT A XTLNØ, ND RF & TUN, DNS, HRD, SCT FRACH WEAØ, F SHON SCT A XTLNØ, ND RF & TUN, DNS, HRD, SCT SH, BLK LS, TAN, UF XTLN, DNS, HRD, SCT SH, BLK LS, TAN, UF XTLN, DNS, HRD, SCT ND ENERGEN, F SHON SCT A XTLNØ, ND ENERGEN, F SHON SCT A XTLNØ, ND ENERGEN, F SHON SCT A XTLNØ, ND ENERGEN, F SHON SCT A XTLNØ, DIL WET	NO ODOR NO ODOR GHOST FEW FEW NO ODOR VLT FO NO ODOR VLT FO	371'SW TOOL: SW WFEW OIL SPTS FP: 19-110, 117-199 SIP: 1252-1219 7:AM 8-28-14 COND& @ 4522 MUD CHECK VIS: 48 WT: 9.3 CHLOR: 1,000 LCM: 1 FILT: 8:0 DST#54400-4446 30.30.30.30 IF: SUF blo, dead 7min FF: dead, Flush, dead REC: 5'DM TOOL: MUD FP: 6-9, 9-12 SIP: 261-288 DST#6 4482-4522 30.30.30.30 IF: DEAD SMIN FF: dead, flush, dead REC: 3'DM TOOL: MUD FP: 6-9, 10-14 SIP: 531-370 DST#7 4610-4650 30.30.30.36 IF: DEAD 7 MIN FF: dead, flush, dead REC: 3'DM TOOL: MUD FP: 6-7, 7-12 SIP: 87-101 7:AM 8-29-14
	4500 <u>BKC</u> 4510 - 1129 <u>PLEASANTON</u> 4516 - 1135 <u>MARMATON</u> 4537 - 1156 c <u>ALTA MONT</u> 4569 - 1188 c <u>ALTA MONT</u> 4569 - 1188 c <u>ALTA MONT</u> 4569 - 1188 c <u>MARMATON</u> 4569 - 1188 c <u>MARMATON</u> 4569 - 11284 <u>C</u> <u>MYRICK</u> 4605 - 1284 C MYRICK 4605 - 1284 C		LS, CRM, TAN, F + M XTLN, M HRD, NO APP 9', NS SH. VARI COLOR LS, WHT, MIXTLN, V HRD, SCT W EMT 'D OOLS, G (WT XTLN P, BLK DD DIL FILL 9', NSFO LS, WHY, S + M HRD, V SL CHKRY, VG BAN FO BUX STNG STRKS, MED BRN FO ON BRK, F+G SFO ON BRK, NOT O'L WET, NO VIS ENERGY FEW RNBW SPTS N CUP SH, VARI COLOR LS, TAN, F KTLN, HRD, T ITE, NS SH, GRY, F XTLN, BNS, M HRD, RBUN SH SH, BURG, RED, GRY LS, TAN, BRN, F+M XTLN, M HRD, P XTLN P'NS LS, WHT, F XTLN, SCT WHT CHT PSS W/N, SOFT, BRTL, VSL Ø, NS SH, GRY, MOSTLY BURG A.A LS, WHT, CRM, F XTLN, CRS TXT, HRD, ND APPØ.NS LS, TAN, VF XTLN, V DNS + HRD, T ITE, SOME RE XTLY, NS, M HRD, SCT FRACY WEA Y, FARS S OF WEATH AS SH, BLK LS, GRY, VCRS + V F XTLN, DNS, M HRD, SCT FRACY WEA Y, FARS S OF WEATPØ SS, STRKS OF WEATPØ SS, S	NO ODOR NO ODOR GHOST FEW FEW NO ODOR VLT FO NO ODOR VLT FO	371'SW TOOL: SW WFEW OIL SPTS FP: 19-110, 117-199 SIP: 1252-1219 7:AM 8-28-14 COND& CHECK VIS: 48 WT: 9.3 CHLOR: 1,000 LCM: 1 FILT: 8:0 DST#54400-4446 30.30.30.30 IF: SUF blo, dead 7min FF: dead, Flush, dead REC: 5'DM TOOL: MUD FP: 6-9, 9-12 SIP: 261-288 DST#6 4482-4522 30.30.30.30 IF: DEAD SMIN FF: dead, flush, dead REC: 3'DM TOOL: MUD FP: 6-9, 10-14 SIP: 531-370 DST#7 4610-4650 30.30.30.30 IF: DEAD 7 MIN FF: dead, flush, dead REC: 3'DM TOOL: MUD FP: 6-7, 7-12 SIP: 87-101 7:AM 8-29-14 DRLG @ 4677'
	4500 <u>BKC</u> 4510 - 1129 <u>PLEASANTON</u> 4516 - 1135 <u>MARMATON</u> 4537 - 1156 c <u>ALTA MONT</u> 4569 - 1188 c <u>ALTA MONT</u> 4569 - 1188 c <u>ALTA MONT</u> 4569 - 1188 c <u>MARMATON</u> 4569 - 1188 c <u>MARMATON</u> 4569 - 11284 <u>C</u> <u>MARMATON</u> 4569 - 11284 <u>MARMATON</u> C		LS, CRM, TAN, F + M XTLN, M HRD, NO APPØ, NS SH. VARI COLOR LS, WHT, M XTLV, V H/RD, SCT W CMT'D OOLS, G INT XTLVØ, BLK DD OIL FILLØ, SSFO LS, WHT, S + M HRD, V SL CHEKY, VG BRN + BLK STNG STRKS, MED BRN F ON BKN, F & SFO BN BRN, NOT OIL WET, NO VIS ENERGY FEW RNBW SPTS N CUP SH, VARI C OLOR LS, TAN, F KTLN, HRD, T ITE, NS SH, GRY, F XTLN, BNS, M HRD, RBUN SH SH, BURG, RED, GRY LS, TAN, BRN, F + M XTLN, M HRD, P XTLNØ, NS LS, WHT, F XTLN, SCT WHT CHT PCS W/N, SO FT, BRTTL, VSLØ, NS SH, GRY, MOSTLY BURG A.A LS. WHT, CRM, F XTLN, CRS TXT, HRD, ND APPØ, NS LS, CRM, F + M XTLN, CRS TXT, HRD, ND APPØ, NS LS, CRM, F XTLN, V DNS + HRD, T ITE, SOME RE XTL4, NS SH, BLK LS, GRY, V CRS + V F XTLN, DNS, N HRD, T ITE, NS LS, CRM, VF XTLN, N S, M HRD, ST FRACH WEAØ, FARS FO ON FRAC NN SN F, LS, WHT / CRM, VF XTLN, HRD, DNS, STRKS OF WEAPPØ ''G LT STNG, FEW FLUOR FO SPTS ON BRK SH, BLK LS, TAN, UF XTLN, DNS, HRD, SCT FRACH WEAØ, F SHON SCT A XTLNØ, ND RF & TUN, DNS, HRD, SCT FRACH WEAØ, F SHON SCT A XTLNØ, ND RF & TUN, DNS, HRD, SCT SH, BLK LS, TAN, UF XTLN, DNS, HRD, SCT SH, BLK LS, TAN, UF XTLN, DNS, HRD, SCT ND ENERGEN, F SHON SCT A XTLNØ, ND ENERGEN, F SHON SCT A XTLNØ, ND ENERGEN, F SHON SCT A XTLNØ, ND ENERGEN, F SHON SCT A XTLNØ, DIL WET	NO ODOR NO ODOR GHOST FEW FEW NO ODOR VLT FO NO ODOR VLT FO	371' SW TOOL: SW WFEW OIL SPTS FP: 19-110, 117-199 SIP: 1252-1219 7:AM 8-28-14 CONDAC 4522 MUD CHECK VIS: 48 WT: 9.3 CHLOR: 1,000 LCM: 1 FILT: 8.0 DST#54400-4446 30.30.30.30 IF: SURF blo, dead REC: 5' DM TOOL: MUD FP: 6-9, 9-12 SIP: 261-288 DST#6 4482-4522 30.30.30.30 IF: DEAD SMIN FF: dead, flush, dead REC: 3' DM TOOL: MUD FP: 6-9, 10-14 SIP: 531-370 DST#7 4610-4650 30.30.30.30 IF: DEAD 7 MIN FF: dead, flush, dead REC: 3' DM TOOL: MUD FP: 6-7, 7-12 SIP: 87-101 7:AM 8-29-14 DRLG @ 4677 MUD CHECK
	4500 <u>BKC</u> 4510 - 1129 <u>PLEASANTON</u> 4516 - 1135 <u>MARMATON</u> 4537 - 1156 c <u>ALTA MONT</u> 4569 - 1188 c <u>ALTA MONT</u> 4569 - 1188 c <u>ALTA MONT</u> 4569 - 1188 c <u>MARMATON</u> 4569 - 1188 c <u>MARMATON</u> 4569 - 11284 <u>C</u> <u>MYRICK</u> 4605 - 1284 C MYRICK 4605 - 1284 C		LS, CRM, TAN, F + M KTLN, M HRD, NO APP 9', NS SH. VARI COLOR LS, WHT, MIXTLV, U HRD, SCT W CMTT'D OOLS, G [WT XTLV P, BLK DD DIL FILL 9', NSFO LS, WHY, S + M HRD, V SL CHLKY, VG BRN-BLK STWG STRKS, MED BRN FO ON BRK, F+GSFO ON BRK, NOT OIL WET, NO VIS ENERGY FEW RNBW SPTS N CUP SH, VARI COLOR LS, TAN, F KTLN, HRD, TITE, NS SH, GRY, F XTLN, HRD, TITE, NS SH, GRY, MED LS, GRY, F XTLN, SCT WHT CHT PS W/N, SOFT, BRTL, VSLØ, NS SH, GRY, MOSTLY BURG A.A LS, WHT, CRM, F XTLN, CRS TXT, HRD, ND APPØ, NS LS, CRM, F MX XTLN, CRS TXT, HRD, ND APPØ, NS LS, CRM, VF XTLN, V DNS + HRD, TITE, SOME RE XTLY, N SCT WH RD, TITE, SOME RE XTLY, NS SH, GRY, UCRS + V F XTLN, DNS, N HRD, TITE, NS LS, CRM, VF XTLN, V DNS + HRD, TITE, SOME RE XTLY, NS SH, BLK LS, CRM, VF XTLN, NS, M HRD, SCT FRACH WEA Ø, FARS SFO ON FRAC BRKS, SML FLOOR FO, SLTR G AS. NO VIS Ø, LS, WHT / CRM, UF XTLN, HRD, DNS, STRKS OF WEA FPF WG LS, CRM, VF XTLN, DNS, M HRD, SCT FRACH WEA Ø, FARS SFO ON FRAC BRKS, SML FLOOR FO, SLTR G AS. NO US Ø, LS, WHT / CRM, UF XTLN, HRD, SCT FRACH WEA Ø, FANCS SFO SPTS ON BRK SH, BLK LS, TAN, UF XTLN, DNS, HRD, SCT FUNCTION, STAN, SCT WEA FPF WG LS, TAN, UF XTLN, DNS, HRD, SCT FUNCTION, SHO SO SET G XTLN, SCT NO ENERGY, P XTLN, DNS, HRD, SCT SH, BLK LS, TAN, UF XTLN, DNS, HRD, SCT V BLK SPTY STNG, Y SHO FO ON BRE, OUL WET SH, BLK LS, TAN, CRM, WHT, VF XTLN CMT 'D SH, BLK LS, TAN, CRM, WHT, VF XTLN CMT 'D	NO ODOR NO ODOR GHOST FEW FEW NO ODOR VLT FO NO ODOR VLT FO	371'SW TOOL: SW WFEW OIL SPTS FP: 19-110, 117-199 SIP: 1252-1219 7:AM 8-28-14 CONDA @ 4522 MUD CHECK VIS: 48 WT: 9.3 CHLOR: 1,000 LCM: 1 FILT: 8:0 DST#54400-4446 30.30.30.30 IF: SURF blo, dead TMW FF: dead, Flush, dead REC: 5'DM TOOL: MUD FP: 6-9, 9-12 SIP: 261-288 DST#6 4482-4522 30.30.30.30 IF: DEAD SMIN FF: dead, flush, dead REC: 3'DM TOOL: MUD FP: 6-9, 10-14 SIP: 531-370 DST#7 4610-4650 30.30.30.30 IF: DEAD 7 MIN FF: dead, flush, dead REC: 3'DM TOOL: MUD FP: 6-7, 7-12 SIP: 87-101 7:AM 8-29-14 DRLG @ 4677 MUD CHECK
	4500 <u>BKC</u> 4510 - 1129 <u>PLEASANTON</u> 4516 - 1135 <u>MARMATON</u> 4537 - 1156 c <u>ALTA MONT</u> 4569 - 1188 c <u>ALTA MONT</u> 4569 - 1188 c <u>ALTA MONT</u> 4569 - 1188 c <u>MARMATON</u> 4569 - 1188 c <u>MARMATON</u> 4569 - 11284 <u>C</u> <u>MYRICK</u> 4605 - 1284 C MYRICK 4605 - 1284 C		LS, CRM, TAN, F + M XTLN, M HRD, NO APP 9', NS SH. VARI COLOR LS, WHT, MIXTLN, V HRD, SCT W CMTT'D OOLS, G [WT XTLN P, BLK DD DIL FILL 9', NSFO LS, WHT, S + M HRD, V SL CHLKY, VG BAN-BLK STWG STRKS, MED BRN-FO BUN BRK, F+GSFO ON BRK, NOT OIL WET, NO VIS ENERGY FEW RNBW SPTS N CUP SH, VARI COLOR LS, TAN, F KTLN, HRD, TITE, NS SH, GRY, F XTLN, SCT WHT CHT PCS W/N, SOFT, BRTL, VSL Ø, NS SH, GRY, MOSTLY BURG A.A LS, WHT, CRM, F XTLN, CRS TXT, HRD, ND APP Ø, NS SH, GRY, VCRS + V F XTLN, DNS, M HRD, TTE, SOME RE XTLY, NS, M HRD, SH, GRY, NOSTLY BURG A.A LS, CRM, F M XTLN, CRS TXT, HRD, ND APP Ø, NS LS, CRM, F XTLN, V DNS + HRD, TTE, SOME RE XTLY, NS SH, BLK LS, GRY, VCRS + V F XTLN, DNS, M HRD, TITE, NS LS, CRM, VF XTLN, N S, M HRD, SCT FRACH WEA Ø, FARS SFO ON FRAC BRKS, STRKS OF WEA FP M LS, CRM, VF XTLN, NF NS, M HRD, SCT FRACH WEA Ø, FARS SFO ON FRAC BRKS, STRKS OF WEA FP M SH, BLK LS, GRY, WCRS + VF XTLN, HRD, DNS, STRKS OF WEA FP M SH, BLK SH, BLK SH, BLK SH, BLK SH, BLK SH, BLK SH, BLK LS, TAN, VF XTLN, DNS, HRD, SCT YORA FFY STMG, V SL SLOBLEED NO ENERGY, P XTLN, DNS, HRD, SCT YORA FRACH, F M XTLN, HRD, SCT YORA FRACH, F STNA, VF XTLN, HRD, SCT YORA FRACH, F STNA, VF XTLN, HRD, SCT YORA FRACH, F STNA, SCT YORA FRACH, F STNA FRACH, SCT YORA FRACH, F STNA SCT YORA FRACH, F STNA FRACH, SCT YORA FRACH, F STNA SCT YORA FRACH, F STNA FRACH, F STNA FRACH, SCT YORA FRACH, F STNA FRACH, F STNA FRACH, F STNA SH, BLK LS, TAN, C RM, WHT, VF XTLN CMT TO SH, BLK	NO ODOR NO ODOR GHOST FEW FEW NO ODOR VLT FO NO ODOR VLT FO	371' SW TOOL: SW WFEW OIL SPTS FP: 19-110, 117-199 SIP: 1252-1219 7:AM 8-28-14 CONDAC 4522 MUD CHECK VIS: 48 WT: 9.3 CHLOR: 1,000 LCM: 1 FILT: 8:0 DST#54400-4446 30.30.30.30 IF: SUF blo, dead 7mw FF: dead, flush, dead REC: 5'DM TOOL: MUD FP: 6-9, 9-12 SIP: 261-288 DST#6 4482-4522 30.30.30.30 IF: DEAD 5min FF: dead, flush, dead REC: 3'DM TOOL: MUD FP: 6-9, 10-14 SIP: 531-370 DST#7 4610-4650 30.30.30.30 IF: DEAD 7 min FF: dead, flush, dead REC: 3'DM TOOL: MUD FP: 6-7, 7-12 SIP: 87-101 7:AM 8-29-14 DRLG @ 4677 MUD CHECK VIS: 52 WT:9.3

ILN, V HKD, V NOODOR 4700 V FEW AD OIL COATIO SML VUGS, NSFO DST#8 4646-4728 CHEROKEE 4705 -1324 30.30.30.30 LS, TAN, VF XTLN, DNS, HRD, TITE IF: dead @ 5 min NS LS, WHT, FXTLN, DNS, HRD, SC+VUG, VUG NIBRN STNG, VSL SFO ON BRK, NOFLUOR, PCS PP\$, SCT EDGE STNG NO ODOR ABUN SHO'S FF: dead, Flush, dead REC: 10'DM TOOL: MUD FP: 7-8,9-22 SIP: 120-118 GRY, BURG н SS. CLR GRWS, ANG -SUB ANG, MED-LG GRWS, FSORT, PCMT, VGØ, NS . 1. 1 SH, GRY, BLK DST#9 4726-9834 30.45.30.45 IS I'NR IF: 8.5 " FSI:NR FF: 5" SHIVARICOLOR REC: 315 M - 10%.W TOOL: MUD 1,000 CHLOR AA. FP:15-108, 113-163 SIP: 1049 - 102 1 SS, CLR+WHTGRNS, PSORT, M=LG NOODOR GRNS, SUBRND=ANG, GØ, WHT + BRN CMT, 2PS SHO DDOIL W/FILM ON BRK HP: 2401-2386 SH, GRY, BURG, GRN 4800 SS.CLRGRNS, SOHRD, PSORT, VGØ,NS SS.CLR GRNS, SCT FIBROUS DD OLL GØ,LG MED GRNS, SCT POS W DK MED BRN OIL S PTS, IR-REG SHAPED FO NO ODOR 7-10 Pcs SH, GRY, RED-SNDY SS. AA, INCR SHO, ABUN SHO'S VSHLY SH, BURG, GRN, MUSTARD/GRY 7:AM 8-30-14 CF S@ 4834' MUD CHECK LS. WHT, CHLKY, FXTW, DNS, SOFT, ? Ø.NS WT: 9.6 V15:58 CHLOR: 1,200 LCM: 1 LS, GRN, FXTLN, HR), DNS, TITE, NS FILT: 10.0 SH, VARI COLOR, MUSTAR) A.A AA CHT, PEACH, TAN SS, CLRGRNS, WHTCMT, SML RND GRNS, W SORT, V WCMTD, V HRD, Miss No Vis Ø.NS 4900 DOLO, FGRNLR, TAN/BRN, HR), NO VIS & NS 4902 -1521 Pes W/ SET GRN SH Pes W/N DOLO, BRN, MERNS, SLLMY, HRD, PGRNLR- PPØINS 7 2 DOLD, AA. S. TAN/BRN, F > M XTLN, VHR), VFEW SCT FOSS, NOGINS CHT, WHT, ABON FOSS, FRESH Δ 4 NC A Δ Ż A HT, WHT/SMOKE, LESS FOSS FRESH, SHARP, NS Δ DOLD, WHT, FGRNLR-SL SUCK, HRD, TITE, NS IS STND SHORT TRIP T 7:AM 8-31-14 CONDE HOLE FOR LOGGING. 5000

EXPLORATION, INC. Wichita, Kansas

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#1 Briney-Kramer

2430' FNL & 1250' FWL 120' S & 70' W of S/2 S/2 NW Section 36-4S-37W Cheyenne County, Kansas API# 15-023-21407-0000 Elevation: GL: 3376', KB: 3381'

F.

			Ref.
Sample Tops			Well
Anhydrite	3112'	+269	-2
B/Anhydrite	3148'	+233	Flat
Heebner	4197'	-816	+6
Toronto	4238'	-857	+5
Lansing	4253'	-872	+3
Muncie Shale	4368'	-987	+7
Stark Shale	4450'	-1069	+1
Hush	4486'	-1105	-3
BKC	4510'	-1129	-2
Pleasanton	4516'	-1135	+2
Marmaton	4537'	-1156	+8
Altamont	4569'	-1188	+7
Pawnee	4619'	-1238	+8
Myrick	4665'	-1284	+6
Fort Scott	4684'	-1303	+8
Cherokee	4705'	-1324	+5
Mississippian	4902'	-1521	N/A
RTD	4972'	-1591	

(316) 691-9500 Fax (316) 691-9550 rei@ritchie-exp.com

ALLIED OIL & GAS SERVICES, LLC 064188

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REMIT TO P.O. B SOUTH	OX 93999 ILAKE, TI	EXAS 760		IX I.D. # 20-8651476	SER	VICE POINT:	Hley K
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ALLIED OIL & GAS SERVICES, LLC 064077

REMIT TO P.O. BOX 93999 SOUTHLAKE, TEXAS 76092	SERVICE POINT: <u>Dakbay, Is</u>
DATE 30 7 3/	ALLED OUT ON LOCATION JOB START JOB FINISH 3-00pm 3.20pm 4200
LEASE Klamen WELL # 1 LOCATION Break	1. NISHING IL PYC COUNTY STATE.
OLD OR NEW (Bircle one) ,3 LJ, V	Terd Paris Para a Cheyeuse KS
CONTRACTOR WW 4/ TYPE OF JOB Sarrface	OWNER
HOLE SIZE /2/9 TD. 3391	CEMENT
CASING SIZE 81/8 DEPTH 339-59	AMOUNT ORDERED 22556 Com 383CC
TUBING SIZE DEPTH	
DRILL PIPE DEPTH	
TOOL DEPTH PRES. MAX MINIMUM	annual 225 also 1200 stars a
MEAS. LINE SHOE JOINT	COMMON 225 5/5 @ 19.90 4027.50
CEMENT LEFT IN CSG. 15	POZMIX@
PERFS.	CHLORIDE 6354 / 100
DISPLACEMENT 20.77661	ASC@ 628.50
EQUIPMENT	@
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# 422 HELPER TErry Herminch	
BULKTRUCK #890/24/ DRIVER TLLand GAMES (72)	
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10 sbtopit	DEPTH OF IOB PUMP TRUCK CHARGE /5/22,25 EXTRA FOOTAGE@ MILBAGE / 12/10/ 65@ 7,20 568.58
	DEPTH OF IOB PUMP TRUCK CHARGE /5/22 25 EXTRA FOOTAGE @ MILBAGE/12/10/65@7.90/568.58
- 10 sktopit 	DEPTH OF IOB PUMP TRUCK CHARGE /5/22,25 EXTRA FOOTAGE@ MILBAGE / 12/10/ 65@ 7,20 568.58
10 sbtopit	DEPTH OF JOB PUMP TRUCK CHARGE $/5/2.25$ EXTRA FOOTAGE $@$ MILBAGE $/4LH0$ $6.5 @$ 7.90 $5.68.58$ MANIFOLD $@$ $2.75.00$ /4L0 $6.5 @$ 7.90 $3.86.85@$
CHARGE TO: RY-China	DEPTH OF IOB PUMP TRUCK CHARGE /5/22,25 EXTRA FOOTAGE@ MILBAGE / 12/10/ 65@ 7,20 568.58
CHARGE TO: RYTCHICA STREET	DEPTH OF JOB PUMP TRUCK CHARGE $/5/2.25$ EXTRA FOOTAGE $@$ MILBAGE $/4LH0$ $6.5 @$ 7.90 $5.68.58$ MANIFOLD $@$ $2.75.00$ /4L0 $6.5 @$ 7.90 $3.86.85@$
CHARGE TO: RY-China	DEPTH OF JOB PUMP TRUCK CHARGE $/5/2.25$ EXTRA FOOTAGE $@$ MILBAGE $/4LH0$ $6.5 @$ 7.90 $5.68.58$ MANIFOLD $@$ $2.75.00$ /4L0 $6.5 @$ 7.90 $3.86.85@$
CHARGE TO: RYTCHICA STREET	DEPTH OF 10B PUMP TRUCK CHARGE EXTRA FOOTAGE MILBAGE /42/10 $6.5 \oplus 7.90$ $3.86.55$ MANIFOLD $9.7.90$ $3.86.05$ ///20 7.90 $3.86.05$ (10.3.2.61/20 3) TOTAL $5.165.57$ PLUG & FLOAT EQUIPMENT
CHARGE TO: RYTCHICA STREET	DEPTH OF 10B PUMP TRUCK CHARGE BXTRA FOOTAGE MILBAGE / \mathcal{ALHP} $\mathcal{AS} \oplus \overline{7,90}$ $\mathcal{AS} \oplus \overline{7,90}$
CHARGE TO: <u>REACTION</u> CHARGE TO: <u>REACTION</u> STREET CITYSTATEZIP	DEPTH OF 10B PUMP TRUCK CHARGE
ID SID to pit	DEPTH OF 10B PUMP TRUCK CHARGE BXTRA FOOTAGE MILBAGE / \mathcal{ALHP} $\mathcal{AS} \oplus \overline{7,90}$ $\mathcal{AS} \oplus \overline{7,90}$
IO SID to pit Image To: CHARGE TO: REF STREET CITY STATE ZIP To: Allied Oil & Gas Services, LLC. You are hereby requested to rent cementing equipment	DEPTH OF 108 PUMP TRUCK CHARGE BXTRA FOOTAGE MILBAGE / 12/10 & & @ 7.90 & & & & & & & & & & & & & & & & & & &
ID SID to pit	DEPTH OF 108 PUMP TRUCK CHARGE BXTRA FOOTAGE MILBAGE / 12/10 & & @ 7.90 & & & & & & & & & & & & & & & & & & &
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