

Confidentiality Requested:

Yes No

Kansas Corporation Commission Oil & Gas Conservation Division

1138086

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:			F6	eet from	South Line of Section			
City: S	tate: Zi	p:+	Fe	eet from East / V	West Line of Section			
Contact Person:			Footages Calculated from	Nearest Outside Section Co	orner:			
Phone: ()			□ NE □ NV	V □SE □SW				
CONTRACTOR: License #			GPS Location: Lat:, Long:					
Name:				(e.g. xx.xxxxx)	(e.gxxx.xxxxx)			
Wellsite Geologist:			Datum: NAD27	NAD83 WGS84				
Purchaser:			County:					
Designate Type of Completion:			Lease Name:	We	ell #:			
New Well Re	-Entry	Workover	Field Name:					
	_	_	Producing Formation:					
☐ Oil ☐ WSW ☐ D&A	☐ SWD	∐ SIOW □ SIGW	Elevation: Ground:	Kelly Bushing: _				
☐ OG	GSW	Temp. Abd.	Total Vertical Depth:	Plug Back Total De	epth:			
CM (Coal Bed Methane)	dow	тетір. Ава.	Amount of Surface Pipe Se	et and Cemented at:	Feet			
Cathodic Other (Con	e. Expl., etc.):		Multiple Stage Cementing	Collar Used? Yes	No			
If Workover/Re-entry: Old Well In			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 To	otal Depth:						
Deepening Re-perf.	Conv. to E	NHR Conv. to SWD	Drilling Fluid Manageme	nt Plan				
☐ Plug Back	Conv. to G	SW Conv. to Producer	(Data must be collected from t					
O constitued and	D		Chloride content:	ppm Fluid volume:	bbls			
CommingledDual Completion			Dewatering method used:					
SWD			Location of fluid disposal if	f haulad offsita:				
☐ ENHR			Location of fluid disposal fi	nauled offsite.				
GSW			Operator Name:					
_			Lease Name:	License #:				
Spud Date or Date Rea	ached TD	Completion Date or	QuarterSec	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



Operator Name:				Lease I	Name: _			Well #:		
Sec Twp	S. R	East	West	County	:					
INSTRUCTIONS: Shopen and closed, flow and flow rates if gas to	ring and shut-in press o surface test, along v	ures, whet vith final c	ther shut-in pre hart(s). Attach	essure reac extra shee	hed stati t if more	c level, hydrosta space is neede	tic pressures, bod.	ottom hole temp	erature, fluid re	ecovery,
Final Radioactivity Lo files must be submitte						gs must be ema	liled to kcc-well-	ogs@kcc.ks.go	v. Digital electi	ronic log
Drill Stem Tests Taker (Attach Additional		Ye	es No			J	on (Top), Depth		Samp	
Samples Sent to Geo	logical Survey	Ye	es No		Nam	e		Тор	Datum	1
Cores Taken Electric Log Run		☐ Ye								
List All E. Logs Run:										
				RECORD	Ne					
	0: 11.1					ermediate, product		" 0 1	T 15	
Purpose of String	Size Hole Drilled		e Casing (In O.D.)	Weig Lbs.		Setting Depth	Type of Cement	# Sacks Used	Type and Pe Additive	
			ADDITIONAL	CEMENTI	NG / SQL	JEEZE RECORD				
Purpose:	Depth Top Bottom	Туре	of Cement	# Sacks	Used		Type and	Percent Additives		
Perforate Protect Casing	Top Detterm									
Plug Back TD Plug Off Zone										
1 lug 0 li 20 lio										
Did you perform a hydrau	ulic fracturing treatment of	on this well?	•			Yes	No (If No, s	kip questions 2 a	nd 3)	
Does the volume of the t			_		-		= ` `	kip question 3)		
Was the hydraulic fractur	ing treatment information	n submitted	to the chemical of	disclosure re	gistry?	Yes	No (If No, f	ill out Page Three	of the ACO-1)	
Shots Per Foot			D - Bridge Plug Each Interval Perf				cture, Shot, Ceme			Depth
						(_	
TUBING RECORD:	Size:	Set At:		Packer A		Liner Run:				
		0017111		. dono. 7		[Yes N	0		
Date of First, Resumed	Production, SWD or EN	HR.	Producing Meth	nod:	g 🗌	Gas Lift (Other (Explain)			
Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Wat	er B	bls.	Gas-Oil Ratio	Gra	avity
DIODOCITI	01.05.040			4ETUOD 05	001451	TION		DDODUCT	ONLINITED (A)	
DISPOSITION Solo	ON OF GAS: Used on Lease		N Open Hole	∥ETHOD OF ☐ Perf.			nmingled	PRODUCTION	ON INTERVAL:	
	bmit ACO-18.)		Other (Specify)		(Submit		mit ACO-4)			



#1 Wray 18A 2140' FNL & 1100' FEL 170' N & 110' W of SW SE NE Section 18-13S-31W Gove Co., Kansas

API# 15-063-22078-00-00 Elevation: 2930' GL, 2935' KB

			Ref.		
Sample Tops			Well		
Anhydrite	2434'	+501	-8		
B/Anhydrite	2459'	+476	-8		
Stotler	3589'	-654	-6		
Heebner	3940'	-1005	-6		
Lansing	3986'	-1051	-8		
Muncie Shale	4124'	-1189	-3		
Stark Shale	4214'	-1279	-8		
Hush	4248'	-1313	-8		
BKC	4278'	-1343	-4		
Marmaton	4308'	-1373	-5		
Altamont	4327'	-1392	-5		
Pawnee	4417'	-1482	- 9		
Myrick	4449'	-1514	-7		
Fort Scott	4466'	-1531	-6		
Cherokee Shale	4497'	-1562	-8		
Johnson	4539'	-1604	-9		
Base Johnson	4557'	-1622	-7		
Morrow Sand	4590'	-1655	-30		
Mississippian	4598'	-1663	-26		
RTD	4720'	-1785			

REMIT TO P.O. BOX 93999 SERVICES ALLC 058870

REMIT TO P.O. BOX 93999		ODIVI	Oakle	17, KS	_
V		1=			_
MATE /-24-13 000/8 \3 3/	LED OUT		JOD START 12134 COUNTY	STATE	8.05
LEASE WELLE / LOCATION DE Kley	115,38,	2/25/	Gave	STATES	$_{\mathcal{A}}$ \mathcal{O}^{*}
QLD (PROPER (Gircle one) Winto			1.04		D'
			1 .		
	OWNER 5	caro.			
TYPBOFJOB Production Part Coller. HOLB SIZE T.D.	CEMENT			2 est	,
CASING SIZE DEPTH	АМОUNT ОВ	pered <u>450</u> :	5/5 60/4	16000	<u>1</u>
WINDLESS THE DROTH	14/11	10-3eal, 5	5 00 FEL	11500 170	<u> </u>
DRILL PIPE DEPTH	250 SKS	2116823	Ta cen	14.27	_ \
TOOL port Collar DEPTH 24081	COMMON	27056	50/7.90	4833	00
PRES. MAA	POZMIX	1805	7.55	16830	
MENS, LINE	GEL	2350	0.73.40	5380	<u>,</u> 20
PERFS.	CHLORIDB_		_@		-
DISPLACEMENT 9.38 66/	VŽC	77 779.	40 272	2850	7)
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4 431 HELPER Paul Beaver)					`
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#396/306 DRIVER Daird Scarions	Horolly	- 375,675	2037		-
BULKTRUCK	<i>pedroge-</i> Hi	43/201 X 1/7	1-0 1-60	1355,	38
# DRIVER	HANDLING	506 254- 20.82 ton X 17	7 2.60		24
11 11 n 110KX	WITRYOR 5	12	COTA	1 7845	43
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CITYSTATEZIP		PLUG & FLO	AT EQUIPM	BMT	;
			•]
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			@		
THE COURT OF STATE			@		<u></u>
To: Allied Oil & Gas Services, LLC. You are hereby requested to rent cementing equipment			@		
and furnish cementer and helper(s) to assist owner or			, &		
contractor to do work as is listed. The above work was			'ro'	ral	
done to catefection and stinct vision of Owner agem of			: 0 d		
controlor. I have read and understand the "OBNERAL	671 B645	X (If Any)—	17.50		
TERMS AND CONDITIONS" listed on the reverse side.	,		2524	72	
provide the control of the control o	TOTALC	HARGES	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
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SIGNATURB / MANUEL 1 (18462)			W		
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ALLIED OIL & GAS SERVICES, LLC 060032 Fedoral Tax I.D.# 20-8651476

REMIT TO P.O. B	OX 93999 HLAKB, T					SBR	ACB POINT. Oatoxy	
7.21.13 DATE	SEC. 18	EXAMI	RANGE 3/	ſ	CALLEDOUT	ON LOCATION	JOH START	JOB EINISH AM
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TYPE OF JOB 7	<u>Procludi</u>	<i>loo</i> T.D). 47.25		CEMENT			
CASING SIZE 4			PTH 4/204		AMOUNT OF	DERED 255	sks Asc	10% Selt.
TUBINO SIZB		DB	PTH		2% Gel 3	S' Gilsonite	.25% C)#L
DRILL PIPE	163		рти Дуо <u>с</u>					
TOOL BAG PRES. MAX	K(C		NIMUM_	· · · · ·	COMMON_		_,@	
MBAS, LINE		SH	OBJOINT &/	,00	POZMIX		· @ 3 @ ^N .03 ,42	B 17,00
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BULK TRUCK	nnitiel)	$\dot{\nu}$	D	3	BAY Sup	er Flush 126	<u>K @ 58,72</u>	, * 704,*× /
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To: Allied Oil	& Gas Sc	rvices, Li	C. '	Uhmont	5- Bask	ats	@ <u></u> 315.	12 1579 25
You are hereby	monter on A tedueste	a to rent A helperís	continuity of the state of the	ner or	IN <u>6 fort (</u>	6/4r	@	185.67
contractor to d	lo work as	s is listed.	The above w	ork wa	1 - Rubbe	erriug	TOT	AL 5806 7L
done to satisfa	ction and	supervisi	on of owner a	gent or	•		10.	(8)
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ALLIED OIL & GAS SERVICES, LLC 060029

SOUTHLAKE, TEXAS 76092		SERV	VICTOSONY:	<u>ų </u>
DATE 11 /8 /3 3/	ALLED OUT	ON LOCATION	JOB START 830 PM	JOB FINISIL
LEASE 18 A WELLH / LOCATION MAKELEY	115-3E-2	25-Winto	COUNTY	STATE
OLD OK NEW (Circle one)	•		İ .	1 Ks. (1)
CONTRACTOR WW.6 TYPHOFJOH Surface	OWNER 5	ame.	10,01	, , , , , , , , , , , , , , , , , , ,
HOLESIZE 1214 T.D. 219	CEMENT			
CASINO SIZE 8 1/8 DEPTH 223,40	AMOUNTOR	RDBRBD <u>175</u>	SKS Con	1 3% <i>CC</i>
TUBING SIZE DEPTH	2% Gel			
DRILLPIPB DBPTH				
TOOL DEPTH		109 01	. Henry	Reina 80
PRES. MAX MINIMUM MEAS. LINE SHOB JOINT	COMMON			13132.52
CEMENT LEFT IN CSG. /S ' SHOE JOINT	POZMIX	2 -11	_@	型70, 程
PERFS.	GBL	<u></u>	871110	# 384 00
DISPLACEMENT 13.27	CHLORIDB_ ASC		(8) (A) ==	F 584, = 1
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EQUIPMENT	•		.@	
<u> </u>			_@	• •
PUMPTRUCK CEMENTER Dawy Ricette /			_ @	
#423-281 HELPER War Flipse 2			@	
BULK TRUCK				
11396-306 DRIVER Kevin Ryan 3			· @	
BULK TRUCK # DRIVER			@ <u>*/ 2,1/8</u>	J
H IMIYON	HANDLING		@ 2 118	11469,32
	MILBAGE _	8.64 X 17 X	\$ 260	8 381 85
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mix cement	.11	46.88	,	
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CHARGETO: Ritchie Exploration				
CHARGETO: Klitchie Explantion				H 95
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To: Allied Oll & Gas Services, LLC.			<u> </u>	· · · · · · · · · · · · · · · · · · ·
You are hereby requested to rent comenting equipment			_@ 	
and furnish cementer and helper(s) to assist owner or	•			-
contractor to do work as is listed. The above work was				
done to satisfaction and supervision of owner agent or		•	TOTAL	·
contractor. I have read and understand the "OBNBRAL	SALES TAX (nei 28	8112	
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Conservation Division Finney State Office Building 130 S. Market, Rm. 2078 Wichita, KS 67202-3802



Phone: 316-337-6200 Fax: 316-337-6211 http://kcc.ks.gov/

Sam Brownback, Governor

Mark Sievers, Chairman Thomas E. Wright, Commissioner Shari Feist Albrecht, Commissioner

May 06, 2013

John Niernberger Ritchie Exploration, Inc. 8100 E 22ND ST N # 700 BOX 783188 WICHITA, KS 67278-3188

Re: ACO1 API 15-063-22078-00-00 Wray 18A 1 NE/4 Sec.18-13S-31W Gove County, Kansas

Dear Production Department:

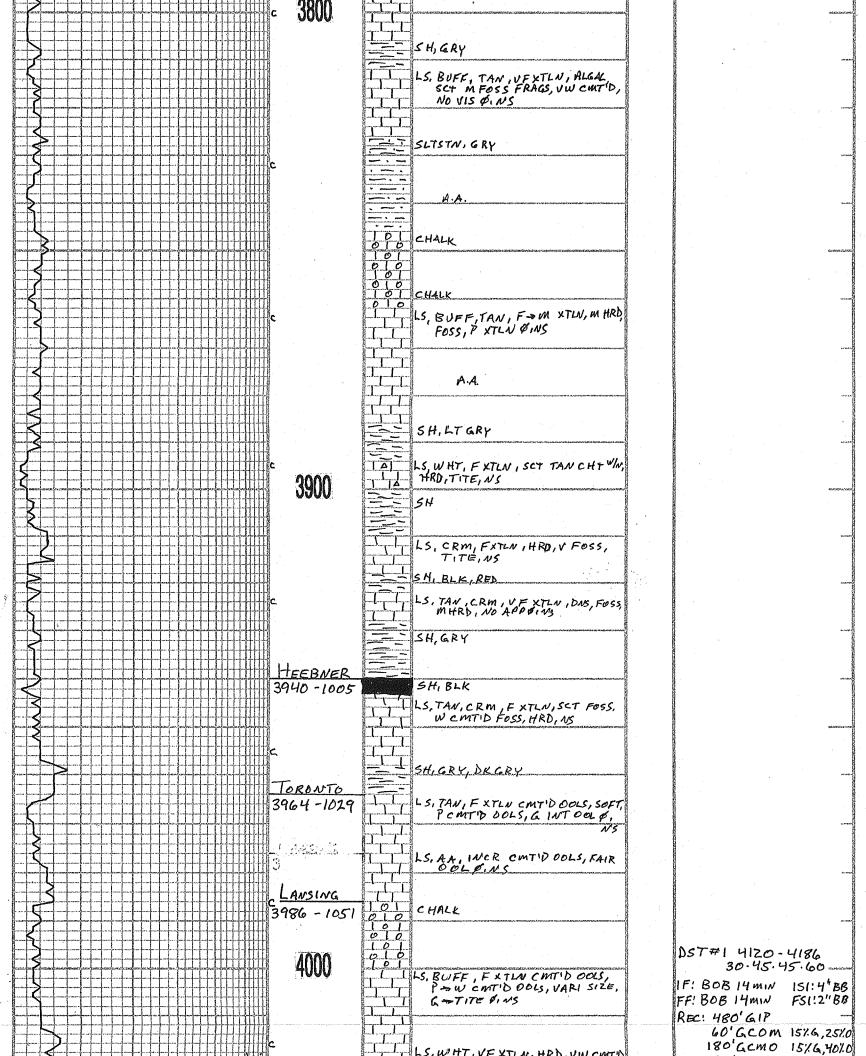
We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

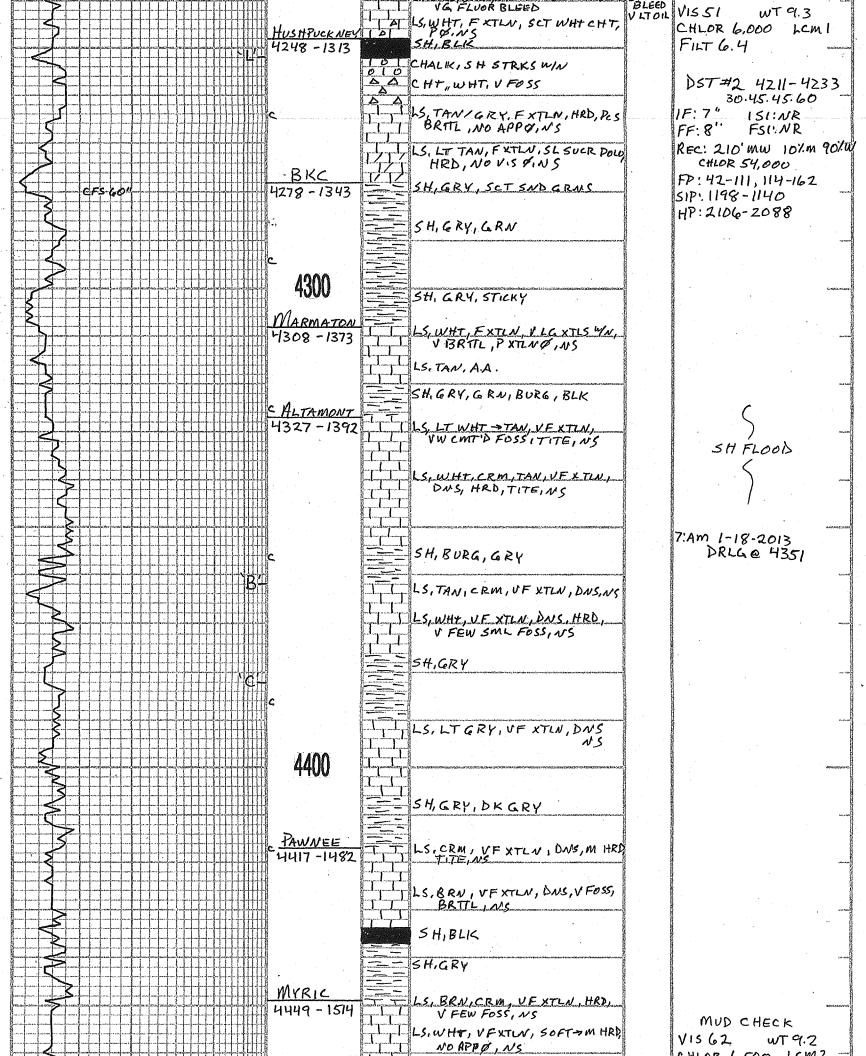
Respectfully, John Niernberger

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villorian contra 330'CGO 15%G, 85%0 FOSS + OOLS , TITE, NS 380 API EMULSIFIED T LS, WHT, VCHLKY, FOSS, CHLK of FP: 74-175, 183-279 SIP: 1282-1250 LS, BUFF, VF XTLN, HRD, UW CMTD HP: 2077-2067 FOSS, TITE, NS SH, LTGRY, BLK MINS WIN LS, BUFF, VF XTLN, DNS, TITE, HRA, NS LS, BUFF, CRM, FXTLN, HRD, FOSS NO VIS Ø, NS D CHT, CRM, PEACH, LTWH, OPAQ, LT SCT FOSS, FRESH 7:AM 1-16-2013 CF5 451 CFS @ 4068' LS. BRN, VFXTLN, VDNS+HRb, TITE CMT'D FOSS, NO BINS LS. TAW, VEXTLN, CRYPTO WG SCT VUG Ø, NS, NO ODOR LS, LT TAN, UF XTLN CMT'DOOLSA FOSS, NO BINS ILS, CRM, FXTLN, DNS, M HRD, FEW FOSS, NS, NOP 4100 ACHT, WHT, ABUN FOSS +OOLS, WCMT'D, TITE, NS Δ LS, CRM, FXTLN, DNS, HRD, TITE, NS MUD CHECK MUNCLE VIS 57 WT 9.1 SH, BLK, LTGRY. CHLOR 2,000 4124 - 1189 TILS, OFEWH, EXTLN, SAM FILT 7.2 HRL LS, TAN, BUFF, FXTLN, SOM HRL SCTSUR NO VIS Ø, SCT PCS W/ BLK+ BRU STNG SURF STNG, ? FRAC'D LS, WHT, UF XYLN, HRD, FEW SCT STRKS OF FLUOR O SPTS + STNG ODOR FEW FO SPTS ON BRK, ? GRNOIL FO SPTS LT BRN OIL SPTS, VARISIZE FO CHALK, FLUOR, FLUOR FO ON BRK MICRO VIS 57 WT 9.4 LS, WHT/CRM, VOOL + FRAGS, VG O COATED FOSSØ, GAS BBIS GODOR WING, SML O SPTS ON BRK, THIN ZONE LCMI I CIRC: AA, DK BRN HUYOIL IN & LESS FO ON BRK, MORE CHITCH 7:AM 1-17-2013 CFS 45 SLTSTN, GRY, GARB-BLK GOWGIN HOLE FROM DST#1@4186' TLS, CRM, WHT, VFXTLN, DNS, MHRD, TITE, NS STRAP 4202,56 4200 BOARD 4203.33 .,77' SHORT LS, WHT, CRM, VFXTLN, MHRD, SL CHLKY, NO VIS Ø, NS STARK SHIBLK 4214 -1279 S, TAN, VEXTLN, ABUN FLUOR O STND FRACS, TITE, VSML NO ODOR FRAC'S S.BRN, VFXTLN, DNS, VHRD, NO ? ODOR VIS & BUT SLO GAS BLEED ON BRK GAS LS, TAN, WHT, UF KTLN YM XTLS 4/2 CFS 60 SOFT, VG O SAT FLUOR STNG, FAIR IRC: LS. BRN . UFXTIN 130 SAY STANDAU MUD CHECK



CHECK 6,500 KCM2 Ft. Scott SHIBLK FILT G.H 4466 -1531 I LS, BRN/TAN, VEXTLN, V HRD, V FOSSITITE, NS 20 STAND SHORT TRIP LS, CRM, VFXTLN CMT'DOOLS+ DST#3 4518-4564 FOSS, TITE FINS 30.45.45.60 1F: BOB. 19/2MIN 151: 1/2" FF: BOB 17min FS1:3" -A.A. REC: 90'GIP CHEROKEE 330'GM0 4500 SHIBLK, ABUNCARB 20%4,55%0,25%M== LS. TANIVEXTLN. DNS. TITE, HRD, BLK O
LS. CRM/TAN, FXTLN, G VARI SIZE COAT
PP->LA OIL FILL VUG O, FEW SCT VUG F
GAS BBLS, ENERGY, V FEW FO FOROR 4497 -1562 OIL TOO THICK FOR GRAVITY FP: 60-128, 135-181 SIP: 1125-1025 ONBRK HP: 2279 - 2258 SH, BLK LS, BUFF, TAN, VF XTLN, DNS, V HRD, PCS W/FINE FOSS W/N, PCS W/ REXTL'N FRAC'S, TITE = SH, GRY JOHNSON LS, BRN, VARISIZE XTLM, HAD, GOIL LTBRN

| PILL PPØ, SLO OIL BLEED, SLG45+ OIL
| OIL ON BRK
| LS, TAN, USOFT, VG OIL FILL VUGØ c 4539-1604 LS, DK BRN. VF KTLN, V DNS, VG SML CUP OUL FILL VUG & STRKS ON EDGE, G. BLEED, NO VIS GAS BASE WCR OHNSON LLS,CRM, VFXTLN, MHRD, DNS, 4557 - 1622 CHLKY, NO APP Ø, CHLK PCS 4/ DD OILSTRKS WLORROW SH 7:AM 1-19-2013 VIS54 SHIGRY, GRNWBLK STRKS DST#3@4564WT9.3 4565-1630 MUD CHECK SH, VARI COLOR V1546 wT 9.3 SS CLR, SUB ANG & SUB RAD GRAS,
PSORT, MGRNS, GRYCMT, HRD,
PPINS CHLOR 5,000 Lcm 2 LS,GRY, VFXTLN, VDMS +HRD, FEW SCT FOSS, NO Ø, NS FILT 6.4 CFS 60 SH, GRY

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SATD, TR GAS ON BRK, SOFT MORROW SD 4590-1655 MISS SS, GRN, BRN, CLRGRN, WSORTAS -SL GRNS, LG, CLR, SUBRND, UN CONSOL, SL GRN STNA IN SURF PITTINA 4600 TLS, GRY, WHY, VEXTLY, DNS, HRD, TITE, NS 4598-1663 LS, WHT, TAN, V FXTIN, HRE, SL BRTIL, NO APPY, NS 7:AM 1-20-2013 S.C.R.M., TAN, EXTLN, SCT PCS YN M KTLS W/W, MHRD, BRTTL, PXTLN Ø, NS CFS@ 4620' LSCRM, F>M XTLN, SOFT, GRNLR TX+ 15L CHLKY, F>G &, NS MUD CHECK LS, TAN, CRM, FOM XTLN, V FOSS SOM HRD, SONS VIS 56 WT 9.6 CHLOR 8,000 LCM2 FILT 6.4 LS, WHT, EXTLN, HRP. GRNLR TXT, NO APPY. NS DST#4 4554-4599 LS, TAN, BUFF, VFXTLN, V HRD, 30.45.45.60 DNSITITE, NS 151: NO BB FF: 4" FSI: NO BB LS. GRY, UF XTLN, U FOSS, REC: 90' M 120' MW . 30/M,70/W VHR. DNS ITITE, NS FP: 55-113,114-144 DOLD, TAN, FXTLN, HRD, SIP: 1167-1122

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