Confidentiality Requested: Yes No

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

1131577

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:
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 #:	Dewatering method used:
Dual Completion Permit #:	Dewatening method used.
SWD Permit #:	Location of fluid disposal if hauled offsite:
ENHR Permit #:	Operator Name:
GSW Permit #:	Lease Name: License #:
	Quarter Sec TwpS. R East West
Spud Date or Date Reached TD Completion Date or Becompletion Date Becompletion Date Becompletion 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	1131577
Operator Name:	Lease Name:	Well #:
Sec TwpS. R East West	County:	

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

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

Drill Stem Tests Taken (Attach Additional Sho	eets)	Yes No		-	n (Top), Depth an		Sample
Samples Sent to Geolog	gical Survey	Yes No	Nam	e		Тор	Datum
Cores Taken Electric Log Run		☐ Yes ☐ No ☐ Yes ☐ No					
List All E. Logs Run:							
			RECORD Ne				
		Report all strings set-c	onductor, surface, inte	ermediate, producti	on, etc.		
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
		ADDITIONAL	CEMENTING / SQU	JEEZE RECORD	·	· · · · · ·	
Purpose: Perforate	Depth Top Bottom	Type of Cement	# Sacks Used		Type and Pe	ercent Additives	
Protect Casing							
Plug Off Zone							

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

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

No

No No

No

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

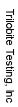
Shots Per Foot		PERFORATION Specify For		RD - Bridge P Each Interval		e			ement Squeeze Record I of Material Used)	Depth
TUBING RECORD:	Siz	e:	Set At:		Packer	At:	Liner R	un:	No	
Date of First, Resumed	Producti	on, SWD or ENHF	}.	Producing N	lethod:	ping	Gas Lift	Other (Explain)		
Estimated Production Per 24 Hours		Oil Bb	ls.	Gas	Mcf	Wat	er	Bbls.	Gas-Oil Ratio	Gravity
DISPOSITIO	_								PRODUCTION INT	FERVAL:
Vented Sold		Jsed on Lease		Open Hole	Perf.	(Submit)	r Comp. 4 <i>CO-5)</i>	Commingled (Submit ACO-4)		
(If vented, Sub	omit ACO	-18.)		Other (Specify)						

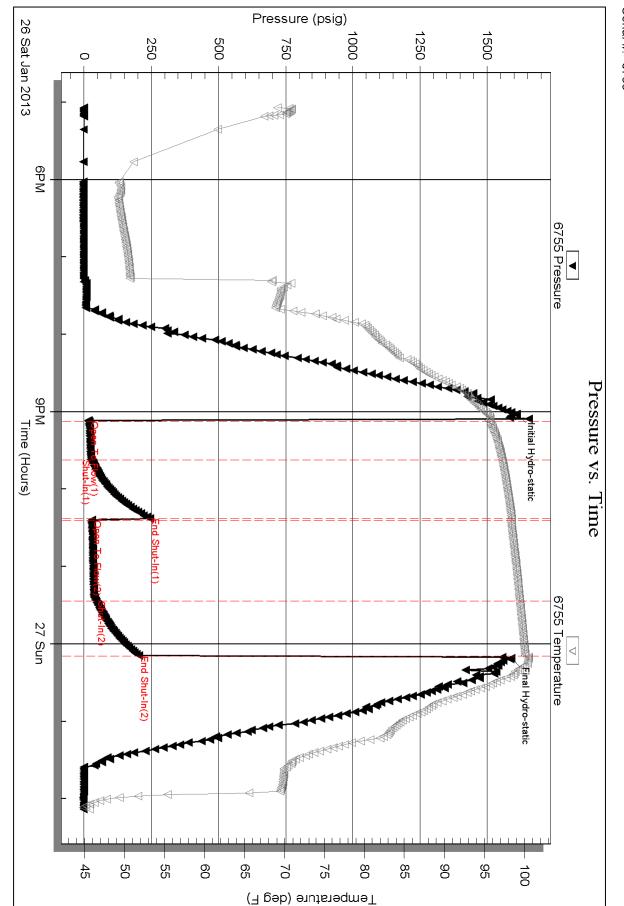
	DRILL STEM TES	T REPO	ORT				
RILOBITE	Hutchinson Oil		20-2	22-11 St	afford Co)	
ESTING , INC	Po Box 521 Derby KS 67037			V #1 Ticket: 49		DST#:1	
	ATTN: Steve Hutchinson/ Je)13.01.26 @	-	
GENERAL INFORMATION:							
Formation:Lansing B,D,FDeviated:NoWhipstock:Time Tool Opened:21:07:25Time Test Ended:02:08:40	ft (KB)		Test Test Unit	er: (Conventiona Chris Staats 47	I Bottom Hol	e (Initial)
Interval:3281.00 ft (KB) To334Total Depth:3345.00 ft (KB) (TVHole Diameter:7.88 inches Hole	D)		Refe	erence Ele KB t	evations: o GR/CF:	1838.00 1829.00 9.00	ft (CF)
Serial #: 6755OutsidePress@RunDepth:45.07 psigStart Date:2013.01.26Start Time:17:04:15		2013.01.27 02:08:40	Capacity: Last Calib Time On E Time Off	o.: Btm: 2		8000.00 2013.01.27 @ 21:01:25 @ 00:11:10	psig
TEST COMMENT: IF: Fair blow 5" ISI: No blow back FF: Fair blow 6" FSI: No blow back							
Pressure vs. Ti 5755 Pressure	TT 5755 Temperature				RE SUMM		
26 Sat Jan 2013	Temperature (Geg T) Temperature (Geg T) Temper	Time (Min.) 0 6 36 82 83 146 188 190	Pressure (psig) 1610.53 18.31 27.07 245.06 30.11 45.07 205.60 1590.18	97.21 98.40 98.32	Annotatic Initial Hydro Open To F Shut-In(1) End Shut-II Open To F Shut-In(2) End Shut-II Final Hydro	o-static low (1) n(1) low (2) n(2)	
Recovery				Ga	s Rates		
Length (ft) Description 50.00 MUD	Volume (bbl) 0.25			Choke (i	nches) Pressu	re (psig) Ga	s Rate (Mcf/d)
Trilobite Testing, Inc	Ref. No: 49525			Printed:	2013.01.27	@ 07:08:01	

10m-		DRI	LL STEM T	EST R	EPORT	-		FLUID S	UMMARY
	RILOBITE	Hutchir	nson Oil			20-22-11	Stafford Co		
	ESTING , INC.	Po Box Derby I	521 KS 67037			V&V #1 Job Ticket:	49525	DST#:1	
		ATTN:	Steve Hutchinson/	Je		Test Start:	2013.01.26 @ 1	7:04:10	
Mud and Cu	ushion Information								
Mud Type: G Mud Weight: Viscosity: Water Loss:	Gel Chem 9.00 lb/gal 51.00 sec/qt 7.99 in ³		Cushion Ty Cushion Le Cushion Vo Gas Cushio	ngth: olume:		ft bbl	Oil API: Water Salinity:		deg API ppm
Resistivity: Salinity: Filter Cake:	0.00 ohm.m 3000.00 ppm 0.02 inches		Gas Cushic	on Pressure:		psig			
Recovery Ir	nformation								
			Recovery			1	-		
	Lengt ft	h	Descrip	tion		Volume bbl			
	Total Length:	50.00	MUD .00 ft Total Vo		0.246 bbl	0.24	6		
	Num Fluid Samp Laboratory Nam Recovery Comn	ie:		s Bombs: ory Location	0:	Serial #	£:		

Printed: 2013.01.27 @ 07:08:02

Ref. No: 49525





V&V #1

DST Test Number: 1

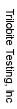
Serial #: 6755 Outside Hutchinson Oil

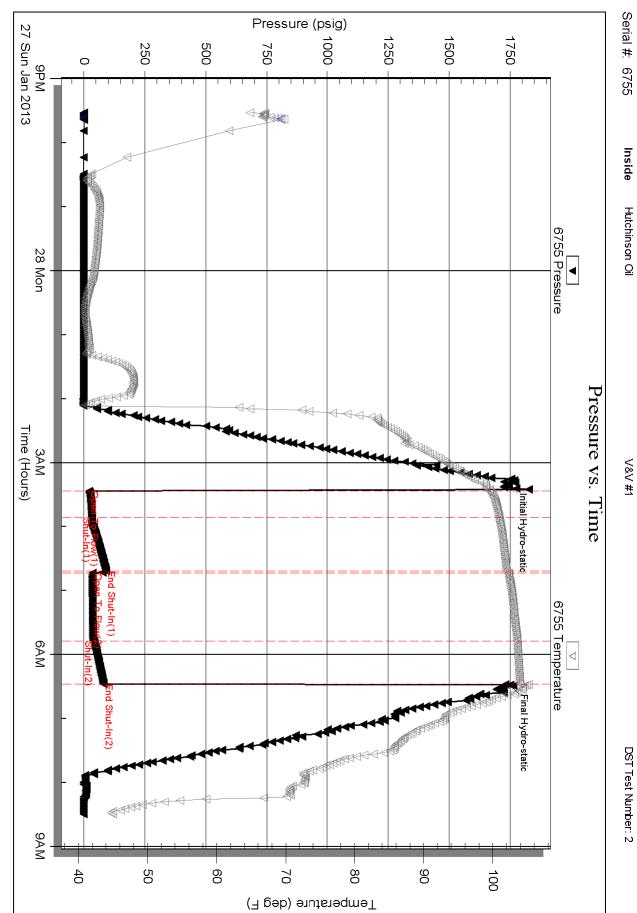
RILOBITE	DRILL STEM TES	ST REP	ORT				
	Hutchinson Oil		20-2	22-11 St	afford Co)	
ESTING , INC	10 000 021		V&\	/ #1			
	Derby KS 67037		Job	Ticket: 50	926	DST#:2	
	ATTN: Steve Hutchinson/ Je		Test	Start: 20)13.01.27 @	21:31:45	
GENERAL INFORMATION:	+						
Formation:SimpsonDeviated:NoWhipstock:Time Tool Opened:03:26:45Time Test Ended:08:29:30	ft (KB)		Test Test Unit	er:	Conventiona Chris Staats 47	l Bottom Hole	e (Reset)
Interval:3536.00 ft (KB) To3Total Depth:3575.00 ft (KB) (ToHole Diameter:7.88 inches Ho			Refe	erence Ele KB t	evations: o GR/CF:	1838.00 1829.00 9.00	ft (CF)
Serial #: 6755 Inside							
Press@RunDepth: 40.33 psig	@ 3537.00 ft (KB)		Capacity:			8000.00	psig
Start Date: 2013.01.27	End Date:	2013.01.28	Last Calib	o.:		2013.01.28	
Start Time: 21:31:50	End Time:	08:29:30	Time On E Time Off I		2013.01.28 2013.01.28		
FF: Strong blow FSI: No blow ba Pressure vs.	Ck Time		PR	RESSUR	RE SUMM	ARY	
6755 Pressure	6755 Temperature	Time	Pressure	Temp	Annotatio	n	
1750		(Min.) 0	(psig) 1745.47	(deg F) 98.86	Initial Hydro	o-static	
1600		7	20.95	99.44	-		
1200		31	31.77	100.89		- (4)	
		82 84	90.35 34.66		End Shut-li Open To Fl	. ,	
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	147	40.33	103.53		.ow (2)	
		187 189	79.58 1750.94	103.92 104.93			
0 PPM 28 Mon 34M Sun Jan 2013 Time (Hours	60000000000000000000000000000000000000						
Recovery				Ga	s Rates		
Length (ft) Description	Volume (bbl)			Choke (i	nches) Pressu	re (psig) Ga	s Rate (Mcf/d)
0.00 370' GIP	0.00						
50.00 MUD with oil spots in to	ol 0.25						

	RILOBITE	DRI	ILL STEM TEST REPOR	Γ	F		MAR
能		Hutchi	nson Oil	20-22-11 \$	Stafford Co		
	ESTING , INC		s 521 KS 67037	V&V #1 Job Ticket: 5	50026	DST#:2	
		ATTN:	Steve Hutchinson/ Je		2013.01.27 @ 21		
/lud and Cu	shion Information						
/ud Type: Ge	el Chem		Cushion Type:		Oil A PI:	deg) A PI
/lud Weight:	9.00 lb/gal		Cushion Length:	ft	Water Salinity:	ppr	
iscosity:	49.00 sec/qt		Cushion Volume:	bbl			
Vater Loss:	8.79 in ³		Gas Cushion Type:				
Resistivity:	0.00 ohm.m		Gas Cushion Pressure:	psig			
alinity: ïlter Cake:	4000.00 ppm 0.02 inches						
Recovery In	formation						
			Recovery Table	1	7		
	Leng ft		Description	Volume bbl			
		0.00	370' GIP	0.000	2		
		50.00	MUD with oil spots in tool	0.246	6		
	Total Length:	50	0.00 ft Total Volume: 0.246 bbl				
	Num Fluid Sam	oles: 0	Num Gas Bombs: 0	Serial #	÷		
	Labanatan Mlau		Loboratory Location				
	Laboratory Nar		Laboratory Location:				
			Laboratory Location.				
	Recovery Com		Laboratory Location.				
			Laboratory Location.				
			Laboratory Location.				
			Laboratory Location.				
			Laboratory Location.				
			Laboratory Location.				
			Laboratory Location.				
			Laboratory Location.				

Printed: 2013.01.28 @ 09:14:43

Ref. No: 50926





DST Test Number: 2

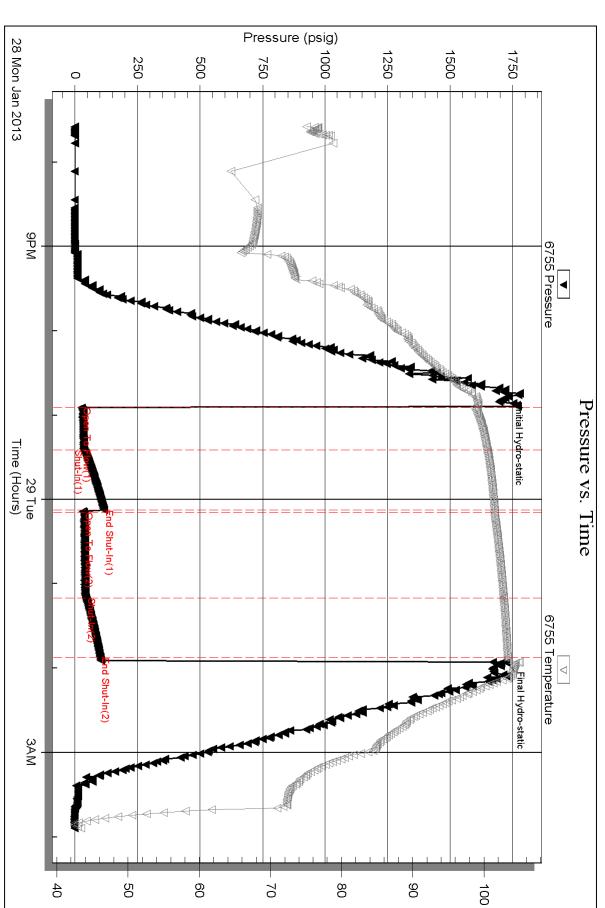
	DRILL STEM TES	ST REP	ORT	
RILOBITE	Hutchinson Oil		20-22-1	1 Stafford Co
ESTING , INC	I O BOX OF I		V&V #1	I
	Derby KS 67037		Job Ticke	et: DST#: 3
	ATTN: Steve Hutchinson/ Je		Test Star	rt: 2013.01.28 @ 19:34:46
GENERAL INFORMATION:				
Formation:ArbuckleDeviated:NoWhipstock:Time Tool Opened:22:54:31Time Test Ended:03:54:16	ft (KB)		Test Typ Tester: Unit No:	e: Conventional Bottom Hole (Reset) Chris Staats 47
Interval:3573.00 ft (KB) To36Total Depth:3617.00 ft (KB) (THole Diameter:7.88 inchesHol			Reference	Ce Elevations: 1838.00 ft (KB) 1829.00 ft (CF) KB to GR/CF: 9.00 ft
Serial #: 6755 Inside				
Press@RunDepth: 43.52 psig			Capacity:	8000.00 psig
Start Date: 2013.01.28 Start Time: 19:34:51	End Date: End Time:	2013.01.29 03:54:15	Last Calib.: Time On Btm:	2013.01.29 2013.01.28 @ 22:47:31
Junt 11115. 19.34.31		03.34.13	Time Off Btm:	
FSI: No blow ba		Timo		SURE SUMMARY
1750	Firal Hydro-static	Time (Min.)		mp Annotation g F)
1600		0		8.97 Initial Hydro-static
		37		8.65 Open To Flow (1) 0.46 Shut-In(1)
		80		1.48 End Shut-In(1)
			35.26 10	1.48 End Shut-In(1) 1.46 Open To Flow (2)
			35.26 10 43.52 10	1.48 End Shut-In(1)
9 Mon Jan 2013	ASSING() ASSIN	82 143	35.261043.5210100.8810	1.48 End Shut-In(1) 1.46 Open To Flow (2) 2.76 Shut-In(2)
100 700 200 200 6 Mon Jan 2013 8 Mon Jan 2013 9 FM 20 Time (Hous)	ASSING() ASSIN	Temperature 82 143 143 185 185	35.261043.5210100.8810	1.48End Shut-In(1)1.46Open To Flow (2)2.76Shut-In(2)3.33End Shut-In(2)4.78Final Hydro-static
	ASSING() ASSIN	Temperature 82 143 143 185 185	35.26 10 43.52 10 100.88 10 1725.49 10	1.48 End Shut-In(1) 1.46 Open To Flow (2) 2.76 Shut-In(2) 3.33 End Shut-In(2)
mon Jan 2013 Recovery	3980m900 3980m90000000000000000000000000000000000	Temperature 82 143 143 185 185	35.26 10 43.52 10 100.88 10 1725.49 10	1.48 End Shut-In(1) 11.46 Open To Flow (2) 2.76 Shut-In(2) 3.33 End Shut-In(2) 4.78 Final Hydro-static Gas Rates
1000 100 1000 1	изина(0 визина(0) визина(0 визина(0) визина(0 визина(0) визина(0 визина(0) визи) визи визи визи визи визи визи визи визи	Temperature 82 143 143 185 185	35.26 10 43.52 10 100.88 10 1725.49 10	1.48 End Shut-In(1) 11.46 Open To Flow (2) 2.76 Shut-In(2) 3.33 End Shut-In(2) 4.78 Final Hydro-static Gas Rates
1000 1000	назанако назвича 	Temperature 82 143 143 185 185	35.26 10 43.52 10 100.88 10 1725.49 10	1.48 End Shut-In(1) 11.46 Open To Flow (2) 2.76 Shut-In(2) 3.33 End Shut-In(2) 4.78 Final Hydro-static Gas Rates
100 100 100 100 100 100 100 100	назанако назвича 	Temperature 82 143 143 185 185	35.26 10 43.52 10 100.88 10 1725.49 10	1.48 End Shut-In(1) 11.46 Open To Flow (2) 2.76 Shut-In(2) 3.33 End Shut-In(2) 4.78 Final Hydro-static Gas Rates
1000 1000 700 1000 200 1000 200 1000 9PM 29 Turme (House) Recovery Length (ft) 0.00 370	назанако назвича 	Temperature 82 143 143 185 185	35.26 10 43.52 10 100.88 10 1725.49 10	1.48 End Shut-In(1) 11.46 Open To Flow (2) 2.76 Shut-In(2) 3.33 End Shut-In(2) 4.78 Final Hydro-static Gas Rates

	DRI	LL STEM TEST F	REPORT	-		FLUID SU	JMMARY
RILOBITE ESTING	Hutchir	nson Oil		20-22-11 S	tafford Co		
ESTING	, INC. Po Box	(521		V&V #1			
		KS 67037		Job Ticket:		DST#:3	
	ATTN:	Steve Hutchinson/ Je		Test Start: 2	013.01.28 @ 1	9:34:46	
Mud and Cushion Informa	tion						
Mud Type: Gel Chem		Cushion Type:			Oil A PI:		deg API
Mud Weight: 9.00 lb/gal		Cushion Length:		ft	Water Salinity:	:	ppm
Viscosity:46.00 sec/qtWater Loss:10.78 in ³		Cushion Volume: Gas Cushion Type:		bbl			
Resistivity: 0.00 ohm.m		Gas Cushion Pressure	э:	psig			
Salinity: 5000.00 ppm				1-5			
Filter Cake: 0.02 inches							
Recovery Information							
 		Recovery Table		1	٦		
	Length ft	Description		Volume bbl			
	0.00	370 GIP		0.000	2		
	50.00	MUD with oil spots		0.246	5		
Total Len	ngth: 50	0.00 ft Total Volume:	0.246 bbl				
Num Fluid	d Samples: 0	Num Gas Bombs:	0	Serial #	:		
Laborato		Laboratory Location		Condina a			
	ory Name: y Comments:	Laboratory Location					
		Laboratory Locatio		oona n			
		Laboratory Locatio		Cond #			
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		Laboratory Locatio					

Printed: 2013.01.29 @ 06:31:50

Ref. No:

Trilobite Testing, Inc



Temperature (deg F)

V&V #1

DST Test Number: 3

Inside Hutchinson Oil

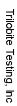
Serial #: 6755

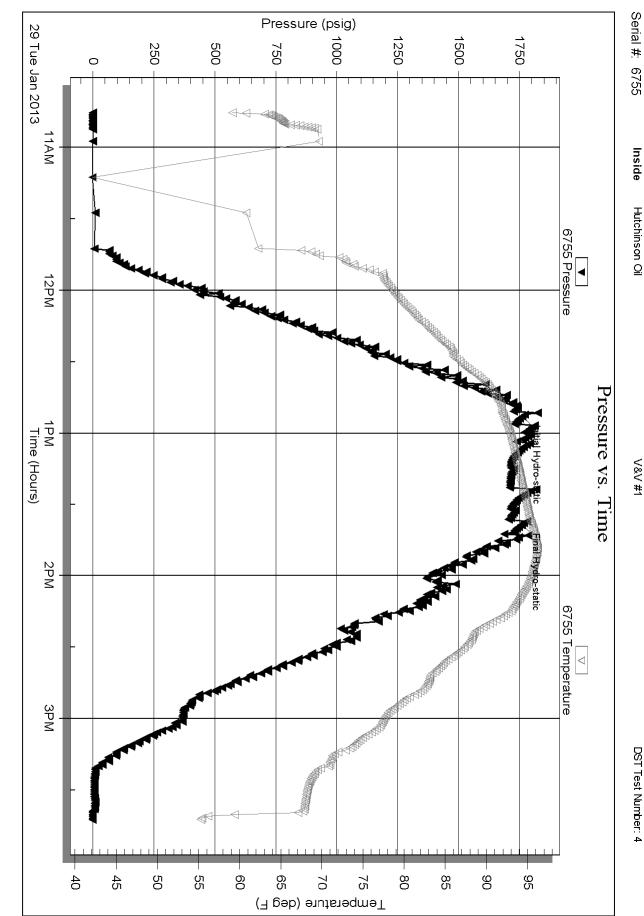
	DRILL STEM TEST REPORT							
RILOBITE	Hutchinson Oil		20-22-11	Stafford	Со			
ESTING , INC.	Po Box 521 Derby KS 67037		V&V #1 Job Ticket:	50928	DST	#:4		
	ATTN: Steve Hutchinson/ Je		Test Start:	2013.01.2	9 @ 10:45:27	7		
GENERAL INFORMATION: Formation: Arbuckle Deviated: No Whipstock: Time Tool Opened: 00:00:00 Time Test Ended: 15:42:42 Interval: 3617.00 ft (KB) To 362 Total Depth: 3627.00 ft (KB) (TV Hole Diameter: 7.88 inchesHole Serial #: 6755 Inside Press@RunDepth: psig 9 Start Date: 2013.01.29 Start Time:	D) Condition: Fair @ 3618.00 ft (KB)	2013.01.29 15:42:41		Chris Sta 47 Elevations KB to GR/CF 2013.01	: 1838.0 1829.0 : 9.0	00 ft (KB) 00 ft (CF) 00 ft 00 psig 29 57		
TEST COMMENT: MISS RUN Hydrau Pressure vs. Ti Trop Pressure vs. Ti Trop Pressure trop Pressure trop Pressure vs. Ti trop Pressure trop Pressur		Time (Min.) 0 46	Pressure Tem (psig) (deg	F) 09 Initial H	MMARY otation lydro-static lydro-static			
Length (ft) Description	Volume (bbl)			Gas Rate	S Pressure (psig)	Gas Rate (Mcf/d)		
* Recovery from multiple tests Trilobite Testing, Inc	Ref. No: 50928				1.29 @ 16:27			

RILOB	ITE	DRII	_L ST	EM TEST REF	PORT	-	FL	UID SUMMAR	
		Hutchins	son Oil		20-22-11 Stafford Co				
TESTING , INC.			521 S 67037		V&V #1 Job Ticket: {	50928	DST#:4		
		ATTN:	Steve Hu	tchinson/ Je		2013.01.29 @ 10:4			
Mud and Cushion Info	ormation								
Aud Type:Gel ChemAud Weight:9.00 lk/iscosity:52.00 s/iscosity:52.00 sNater Loss:8.79 irResistivity:0.00 oSalinity:4000.00 pFilter Cake:0.02 ir	sec/qt 1 ³ 9hm.m 9pm		Ci Ci Gi	ushion Type: ushion Length: ushion Volume: as Cushion Type: as Cushion Pressure:		ft bbl psig	Oil API: Water Salinity:	deg API ppm	
Recovery Information	1		_						
	Lengt ft	th	R	ecovery Table Description		Volume bbl			
Tot	al Length:		ft	Total Volume:	bbl		1		
Red	covery Com	nents:							



Ref. No: 50928





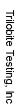
V&V #1

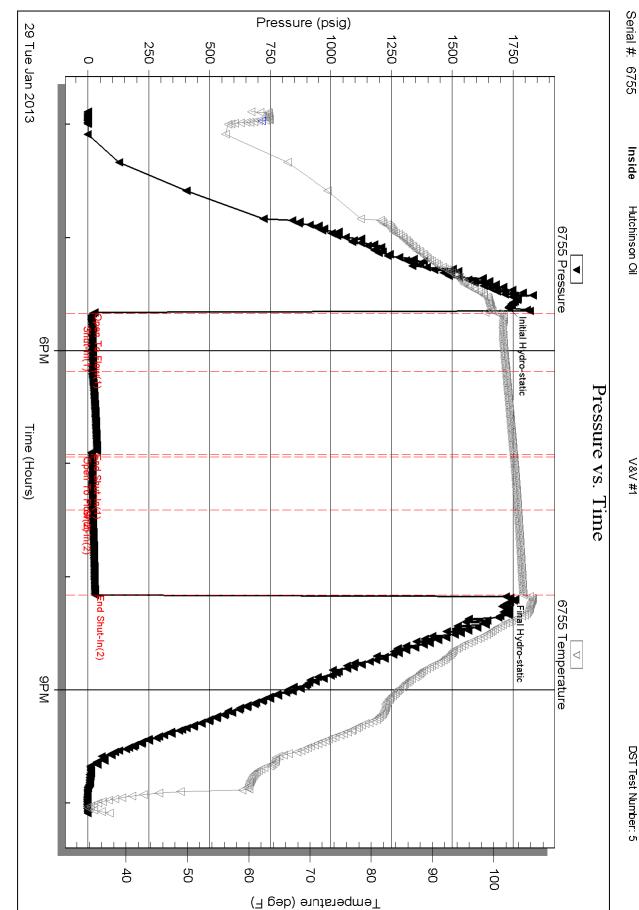
	DRILL STEM TEST REPORT								
RILOBITE	Hutchinson Oil		20-22-1	1 Stafford Co	>				
ESTING , INC	Po Box 521		V&V #1						
	Derby KS 67037		Job Ticke	t: 50929	DST#:5				
	ATTN: Steve Hutchinson/ Je		Test Star	t: 2013.01.29 @	2 15:53:09				
GENERAL INFORMATION:									
Formation:AbuckleDeviated:NoWhipstock:Time Tool Opened:17:40:09Time Test Ended:22:05:39	ft (KB)		Test Type Tester: Unit No:	e: Conventiona Chris Staats 47	al Bottom Hole (Reset)				
Interval: 3617.00 ft (KB) To 36			Referenc	e Elevations:	1838.00 ft (KB)				
Total Depth:3627.00 ft (KB) (TvHole Diameter:7.88 inches Hole				KB to GR/CF:	1829.00 ft (CF) 9.00 ft				
Serial #: 6755 Inside									
Press@RunDepth: 18.35 psig			Capacity:		8000.00 psig				
Start Date: 2013.01.29 Start Time: 15:53:14	End Date: End Time:	2013.01.29 22:05:38	Last Calib.: Time On Btm:	2013.01.29	2013.01.29				
Start filme. 15.55.14	Ena time.	22.05.30	Time Off Btm:	2013.01.29 2013.01.29					
FF: Weak blow 1 FSI: No blow bac Pressure vs. Ti	k		PRES	SURE SUMM	ARY				
	6756 Temperature	Time (Min.)	Pressure Ter		วท				
	- 100	(1/11.)	(psig) (deg 1731.21 99	9.51 Initial Hydr	o-static				
		3).52 Open To F					
		34 78		I.98 Shut-In(1) 3.21 End Shut-					
		79	16.80 103	3.25 Open To F	low (2)				
		108 153		3.90 Shut-In(2) 4.77 End Shut-					
		153		5.82 Final Hydr					
9 Tue Jan 2013 Time (Hours)	9PM								
Recovery			↓	Gas Rates					
Length (ft) Description	Volume (bbl)		C	hoke (inches) Press	ure (psig) Gas Rate (Mcf/d)				
5.00 Gassy Mud	0.02		·						

		DRI	LL ST	EMTEST	REPORT	-		FLUID S	UMMARY	
RILOE		Hutchir	ison Oil			20-22-11 Stafford Co				
I EST	T ING , INC.	Po Box Derby I	521 <s 67037<="" td=""><td></td><td>V&V #1 Job Ticket: 5</td><td>50929</td><td>DST#:5</td><td></td></s>		V&V #1 Job Ticket: 5	50929	DST#:5			
		ATTN:	Steve Hut	tchinson/ Je		Test Start: 2	2013.01.29 @ 1	5:53:09		
Mud and Cushion In	formation									
Viscosity: 52.00 Water Loss: 8.79 Resistivity: 0.00 Salinity: 4000.00	ohm.m		Cu Cu Ga	ushion Type: ushion Length: ushion Volume: as Cushion Type: as Cushion Pressur	e:	ft bbl psig	Oil API: Water Salinity:		deg API ppm	
Recovery Informatio	n									
			Re	ecovery Table) (alterna	Г			
	Leng ft			Description		Volume bbl	_			
т	otal Length:	5.00	Gassy Mu .00 ft	ud Total Volume:	0.025 bbl	0.025	5			
	aboratory Nan ecovery Comr			Laboratory Locati						

Printed: 2013.01.30 @ 07:34:52

Ref. No: 50929





V&V #1

DST Test Number: 5

Inside Hutchinson Oil



	PAGE		CUST NO	INVOICE DATE
	1 of 1		1005512	01/24/2013
			INVOICE NUMBE	ER
			1718 - 9110271	3 Surface
J	LEASE	NAME	V & V 1	
о в	LOCATI		Stafford	

	Pra	tt		(620)	672-1201	J
						0
в	HUT	CHI	NSON OIL	COMPANY		в
Ι	PO	BOX	521			
г	_					S
L	DEF	RBA				I
	KS	US	67037	7		т
т						E
	7 1111	TAT				

	V CL V
LOCATION	
COUNTY	Stafford
STATE	KS
JOB DESCRIPTION	Cement-New Well Casing/P:
JOB CONTACT	

o ATTN:

ЈОВ #	EQUIPMENT #	PURCHASE	ORDER NO.		TERMS	DUE DATE		
40557479	20920				Net - 30 days	02/23/2013		
For Service Dates	:: 01/23/2013 to 01	/23/2013	QTY	U of M	UNIT PRICE	INVOICE AMOUNT		
171807715A Ceme Cement 8 5/8" Surf	ent-New Well Casing/Pi O ace	1/23/2013	li of of Liczof FL		ana an Maria			
60/40 POZ Celloflake Calcium Chloride "Wooden Cmt Plug, "Unit Mileage Chg (I Heavy Equipment M "Proppant & Bulk De Depth Charge; 0-50 Blending & Mixing S Plug Container Util. "Service Supervisor	PU, cars one way)" ileage al. Chgs., per ton mil O' ervice Charge Chg.		300.00 75.00 774.00 1.00 45.00 90.00 581.00 1.00 300.00 1.00	MI MI EA EA	9.00 2.77 0.79 119.99 3.19 5.25 1.20 749.93 1.05 187.48 131.24	2,699.74 208.11 609.47 119.9 143.4 472.4 697.1 749.9 314.9 187.4 131.2		
en an an ann an Anna an Chrainean Strain Staite Chrainean Strain Staite								
			50,67 160,67		bore	511805 Storages		
PLEASE REMIT BASIC ENERGY PO BOX 841903 DALLAS,TX 752	SERVICES, LP BAS	ND OTHER CORRES SIC ENERGY SERV 1 CHERRY ST, ST RT WORTH, TX 76	VICES,LP E 2100		SUB TOTAL TAX OICE TOTAL	6,333.94 256.70 6,590.70		

10244 NE Hwy. 61 P.O. Box 8613 Pratt, Kansas 67124 Phone 620-672-1201

SERVICES

FIELD SERVICE TICKET 1718 07715 A

PRESSL	JRE PUM	PING & WIRELINE			DATE TICKET NO					
DATE OF JOB 01-23-	13	DISTRICT PRAH	ES	ng 60 és es um bos nai	WELL OLD PROD INJ WDW CUSTOMER ORDER NO.:					
CUSTOMER HU	INSON Dit	pai or amoi	yt of en ja myt hente	LEASE V / WELL NO.						
ADDRESS COUNTY STAFFORD STATE							ORD STATEKS			
CITY	idenad no me ho yn	STATE	enver, skin i skinetly of p	SERVICE CREW Sallisand, WRight, Physe						
AUTHORIZED BY	n soan Neret, C	and a construction of the	'secives fi	npotiting an	JOB TYPE: CNW 8% Surface					
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQU	JIPMENT#	HRS	TRUCK CALLED DATE AM TIME			
33706 -20120	49	m channel die to op		(Pie TO 235 Sector Pie	va beneinter eine		ARRIVED AT JOB 01 2243 AM 11.15			
70459 - 19918	45	man and a second second second					START OPERATION 01-23-13 AM 2:00			
51700	THE STORE	ricana bix dalar. Ipin		to privient		191 191 191 191	FINISH OPERATION			
resolution of the division of grades	10 6840	ame na se tro tros . PO	3 2 Akt (8)	OTACKE	an can the and Micobar Bht	CHAPASTS	RELEASED S AM 3.30			
three hard complete ones.	te te ter	Lit.TS The Customer s		n an Chill Change Chang	PERSONNER OF	A LANGER	MILES FROM STATION TO WELL 45			

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED:

solitor of Castomer	tu rescondat en ande el tra centrad la lite recor	(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)							
ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERV	ICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUN	T		
CP 103	60/40 poz cmT	to nome of riston	SK	300	olona Instaultips is a	3,600	00		
and here with and	Constant Providents	ach falltfar art yel becau							
CC102	Celltake	23	16	75	Basily (Aglassis) lator (gs.)	272	50		
CC107	Calcion chloride	italo U analysistic condicite M	16	774	Alle hom teller (process) Frankraget singer	612	70		
CF 153	Woodan Plus 85/8	ent contrad of high balls	SH	1 prilities	albine prinuper v . to	160	00		
E 100	seeker mé	160 PG 12000 (2500) Not include the No. 1	mi	45	dt han, hensben ei e e	191	25		
E 101	Heavy Egit no	evideo das E tad beis i	mi	90	mod leven slabs and	430	00		
E 113	Bylk Ddung	soli ne estate da la com De l'Actualités de la company	TM	581	in Republic and su	928	80		
CADO	Depth Charge	OKOY36 GASING H	SA	/second	exploring long free and	1,000	00		
CE 240	Blewbar mixing	nuceustrin Astronomia Internetis and Internetis	SK	700		470	00		
CE 504	Plyr Conten Rentel		2A	1		250	00		
S 003	Schund Superview	r inn 19 Alte i neithe ann Flisig ei bheadain n. Si	SA	1		175	60		
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quest other man ap		ons. Che asiste or residence		भाषाः वृत्यात्व व्यक्त विष् लिख दशक	SUB TOTAL	e vielender ger Nord State State			
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SERVICE	1. 111
REPRESENTATIVE	Hobert hillion

THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY:

FIELD SERVICE ORDER NO.

CLOUD LITHO - Abilene, TX

(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

alis



TREATMENT REPORT

Customer HUTCHINSON Oil				Lease No.						Date				
Lease Va	V			Well #						01-23-13				
Field Order #	Station	aff.	K	5		Casing	Dept	th 309	Count	STAF	TORD	State		
Type Job	W.8	TE SUM	lac.	e			Formatio	n		L	egal Description	22-11		
PIPE	DATA	PERFOR	ATIN	IG DATA		FLUID US	SED			TREATM	IENT RESUM	E		
Casing Size	Tubing Size	Shots/Ft	Τ		Acid		· ,		RATE	PRESS	ISIP			
Depth 309	Depth	From	Тс)	Pre	Pad		Max			5 Min.			
Volume	Volume	From	Тс)	Pad			Min			10 Ňin.			
Max Press	Max Press	From	Тс)	Frac			Avg			15 Min.			
WellConnection	Annulus Vol.	From	Тс)				HHP Use	d		Annulus	Pressure		
Plug Depth	Packer Depth	From	Тс)	Flus	h	a	Gas Volu	me		Total Lo	ad		
Customer Repre	esentative			Station	Mana	ger DA	VE SC	off	Trea	ater Rob	hent fell	12		
Service Units	7900 33	308 20	320	7095	591	19918						10		
Driver Names		WRIGHT		Phy	P			1 Street and		Star 19				
Time		Tubing ressure B	ols. P	umped	F	Rate		torense har		Service	Log			
11:15				1 - 27 - 55 U.S.	pang in an	0	n lo	c 507	40	meet	4			
		in the second										e den de la companya		
							Run	7:	575	8%	5 esc			
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1.45				a			CASING	on	Bor	Hom				
1.55							Yook	Ry C	iac					
2:00				3	4	(84 SY	ACER			· · · · · · · · · · · · · · · · · · ·			
C					3	4.5 0	mixe	mt 3	OUSK	2 60/4	to poz-c+	n f		
	in Support	NEW TO REAL PROPERTY.	6	9	the set of the	Constant C	mti	minoc		5010	lown	Start Start		
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10244	NE Hiway	61 • P.O.	Bo	x 8 <u>613</u> •	Pra	tt, K <u>S 67</u>	124-86	13 • <u>(62</u>	0) 672	2-1201	• Fax (620)	672-5383		

Taylor Printing, Inc. 620-672-3656



	PAGE	CUST NO	INVOICE DATE
	1 of 1	1005512	02/01/2013
		 INVOICE NUM	BER
		1718 - 911098	06 Pluggina
J O	LEASE LOCATI	V & V 1	
в	HOCHII		

	Pratt	(620)	672-1201	
-	HUTCHINSON OIL PO BOX 521	COMPANY		
ь ь	DERBY			
т	KS US 6703	7		
-				

COUNTY	Stafford
STATE	KS
TOB DESCRIPTION	Cement-N

JOB DESCRIPTION Cement-New Well Casing/Pi

o ATTN:

JOB #	EQUIPMENT #	PURCHASE	ORDER NO.		TERMS	DUE DATE
40560311	19843				Net - 30 days	03/03/2013
ion Comico Doto	s: 01/31/2013 to 01/	(21/2012	QTY	U of M	UNIT PRICE	INVOICE AMOUNT
or Service Dates	s: 01/31/2013 to 01/	31/2013				
040560311						
		Lada INTER DE LA				
	ent-New Well Casing/Pi 01	/31/2013			in the second	
Cement PTA	2.401 82	ND OTHER CORRE	o constanti de la della constanti de la della		ans north	
60/40 POZ	na an a	 States and States an	220.00	EA	9.00	1,979.781
Cement Gel			380.00		0.19	71.24
	PU, cars one way)"		45.00		3.19	143.43
Heavy Equipment M	lileage		90.00	MI	5.25	472.4
	el. Chgs., per ton mil		428.00	EA	1.20	513.54
Depth Charge; 300			1.00		1,619.81	1,619.8
Blending & Mixing S "Service Supervisor			220.00 1.00		1.05 131.23	230.9 131.2
and the double mail is	na an deal Modal.					
le ment Oet Charles Charles	1 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1		N: 15.			
Ref 1			010105 850100		0.12	
204 0#/0						
PLEASE REMIT BASIC ENERGY PO BOX 84190 DALLAS, TX 75	SERVICES,LP BAS	ID OTHER CORRES SIC ENERGY SERV CHERRY ST, ST AT WORTH, TX 76	ICES,LP E 2100	D:	SUB TOTAL TAX	5,162.44 149.72

s I

т

E JOB CONTACT



10244 NE Hwy. 61 P.O. Box 8613 Pratt, Kansas 67124 Phone 620-672-1201

FIELD SERVICE TICKET 1718 07604 A

SIGNED:

PRESSURE PUMPING & WIRELIN		DATE TICKET NO								
DATE OF -31 - 2013 DISTRICT	 Address personnen, kunst an Address personnen and address personnen 	WELL OLD PROD INJ WDW CUSTOMER WELL WELL ORDER NO.:								
CUSTOMER HUTCHINSON	OIL	LEASE VEV WELL NO.								
ADDRESS	 Line Statistical Contraction (Contraction) Line Statistical Statistics (Contraction) 	COUNTY STAFFORD STATE KS.								
CITY STATE		SERVICE CREW LESLEY, MARQUEZ, LAWRENCE								
AUTHORIZED BY	and the second se	JOB TYPE: CNW-P.T.A.								
EQUIPMENT# HRS EQUIPM	NT# HRS EQU	JIPMENT# HRS TRUCK CALLED /- 30-13 PM TIME								
37586 8.5	BEB OF SET INTERPORT OF SET	ARRIVED AT JOB S PM (2:00								
19824-19860 8.5		START OPERATION START OPERATION								
11000 11000 0.5		FINISH OPERATION 1-31-13 AM 2:00								
		RELEASED AND AND AND AND AND AND AND AND AND AN								
	ET LI LU LU BURNEL	MILES FROM STATION TO WELL 45								

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

Argente -			(WELL OWN	ER, OPERATOR, CONT	RACTOR OR AG	ENT)
ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICE	S USED UNIT	QUANTITY	UNIT PRICE	\$ AMOUN	т
CP 103	60/40 POZ	SK	220	I THE PART DATE IN THE	2,640	00
CC 200	CEMENT GEL	15	380	위는 지지, 귀엽·남왕의 사내를 1975년	95	00
E 100	PICKUP MILEAGE	MI	45	the mide is a	191	25
E 101	HEAVY EQUIPMENT MILEAU	SE MI	90		630	00
E 113,	and the second se	TM	428	Robert and and a set	684	00
CE 204	DEPTH CHARGE; 3001-400		1-4		2,160	00
CEQUO	BLENDING SERVICE CHARGE	the second se	220	1 2993 (2 1 1 1 1 - 2 2 1 1)	308	∞
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	and the second secon	and we are a standard a second	fe time sur			
			ART DUT AT	SUB TOTAL	FILA	44
E 113, BULK DELIVERY CHARGE CE 204 DEPTH CHARGE; 3001-40		the set of the state of the	a de proje	DLSI	D.162	
		SERVICE & EQUIPMENT	%TA	X ON \$	1	
		MATERIALS	%TA	X ON \$	1 kto- kto-	1000

THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY.

FIELD SERVICE ORDER NO.

REPRESENTATIVE

SERVICE

(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

TOTAL



TREATMENT REPORT

Customer HL Lease	JTCHIN.	SONC	VIL COLEASE N Well #	/			Date	- 100 -	2012	2				
Field Order #	Station	Dan		Casing	Depth		County State							
Type Job	NW-	DT	T. Ks.	412	Formation	2100	1	Legal Desc	cription	11				
		P. I.F				3100	TDEA			//				
					USED		RATE PRE		ISIP					
		e Shots/F	-1	Pre Pad	DUHDPOZ	Max			5 Min.					
epth	Depth Volume	From	То	Pad	43CUFT	Min			10 Min.					
olume	Max Press	From	То	Frac		Avg			15 Min.					
Nax Press		From	То			HHP Used	4		Annulus Pre					
	Packer Dep	From	То	Flush		Gas Volun			Total Load					
Plug Depth		From	To			Gas volun	Treater		ane maalassias astanta aas	1404/041-066 02 -02898-04980				
Customer Repr	resentative 2	. HUTC	CHINSON STAT	ion Manager	SCOTT		Treater	K.LES	Ey_					
Service Units	37526	19889	19843 198	326 198ld	2		-	-						
lames (Casing	MARDLEZ Tubing	- CAW	REWICE -										
Time	Pressure	Pressure	Bbls. Pumped	Rate	ONILO	C. SA	FETUSER	rice Log 1 /	NGC	26:00				
DOPM					1STP2	LiG C	235ld	$2^{-}\omega/5$	OSKS.					
357M	500		15	6	H000	AHEA	Δ							
1:50 PM	450		12.7	6	MIX 5	SOSKS	.@13	3.787	PRG					
:52.PM	400		4	6	H201	BEHIN	1D							
D: OOPM	0		43	6	MUD	DISF	LACEN	TENT						
		18			QND	PLUG	060	D'w/s	SOSKS	*				
2:40AM	200	2	5	4	120	AHEA	1D							
2:44Am	200		12.7	4	MIXE	MIX 50 5KS. @ 13,78 PPG								
2:45 AM	O	- Animal Cost Ty	4	main 4 them	120	BEH	IND -							
					3RDT	LUG	@ 330	10/50	OSKS.					
:25AM	0		5	3	H20	AHER	AD							
: 29 AM	0		12.7	3	MIX	505Ks	5. Q1.	3.78F	PG					
30 AM	D.		.5	3	4THT	2.GC	260	'W/ac	SSKS.	All Carlo				
:45AM	0		5	2	CMT.	TOS	SURFA	CE						
:55Am	D		6,4		R.H.:	=\$305	iks. M.	$H_{i} = \partial c$	DSKS					
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				cell.	and a									

Taylor Printing, Inc. 620-672-3656

LITHOLOGY STRIP LOG WellSight Systems Scale 1:240 (5"=100') Imperial Measured Depth Log											
License Number: Spud Date:	Aprox. SE SW NE of Section 20-T22S-R11W KCC Licence#: 5614 Region: Mid-Continent										
Coordinates: Ground Elevation (ft): Logged Interval (ft): Formation:	Same as Surface Coordinates 1829' K.B. Elevation (ft): 1838' 2600' To: 3700' Total Depth (ft): 3700' Arbuckle Dolomite @ Total Depth Andy's Mud Company (Chemical Drispac) Printed by WellSight Log Viewer from WellSight Systems 1-800-447-1534 www.WellSight.com										

OPERATOR

Company: Hutchinson Oil Company Address: P.O. Box #521 Hutchinson, KS 67037

GEOLOGIST

Company: Address:

Name:Jeffrey A. Burk, Consulting Petroleum Geologistmpany:PETERRA Energy ServicesIdress:110 South Main, Suite #510 Wichita, KS 67202 Phone: (316) 269-2015

```
DST's
```

DST #1 3281'-3345' (Lansing "B", "D", "F") OP 30"-45"-60"-45" 1st open: WB built to 5" 1st shut in: No blow back 2nd open: WB built to 6" 2nd shut in: No blow back REC: 50' MUD (no shows) IHP: 1610# IFP: 18#-27# ISIP: 245# FFP: 30#-45# FSIP: 205# FHP: 1590# BHT: 100 degrees DST #2 3520'-3553' (Viola & Simpson Sd) OP 30"-45"-60"-60" 1st open: BOB in 45 sec. w/ GTS in 11 minutes Gauged 191 MCFGPD 1st shut in: no blow back 2nd open: GTS, Stablized @ 268 MCFGPD 2nd shut in: no blow back **REC: 150' GCM** IHP: 1817# IFP: 119#-182# ISIP: 333# FFP: 97#-110# FSIP: 330# FHP: 1737# BHT: 108 degrees DST #1 3281'-3345' (Lansing "B", "D", "F") OP 30"-45"-60"-45" 1st open: WB built to 5" 1st shut in: No blow back 2nd open: WB built to 6" 2nd shut in: No blow back REC: 50' MUD (no shows) IHP: 1610# IFP: 18#-27# ISIP: 245# FFP: 30#-45# FSIP: 205# FHP: 1590# BHT: 100 degrees DST #4 3592'-3602' (Arbuckle) OP 30"-45"-30"-60" 1st open: BOB in 1 minutes, no GTS 1st shut in: No blow back 2nd open: BOB in 1 minutes, GTS in 3 minutes, TSTM 2nd shut in: 2" blow back REC: 196' CL GSY OIL (44 gravity) 117' GOCM (25% gas, 20% oil, 55% mud) 62' GOCM (15% gas,15% oil, 70% mud) IHP: 1891# IFP: 223#-173# ISIP: 1092# FFP: 76#-130# FSIP: 1096# (2.35% drop) FHP: 1699# BHT: 107 degrees **Daily Log**

 01/22/13
 MIRU and spud well. Drilled ahead to 310'. Tallied
 7 jts. of new 23# 8 5/8" casing @ 298.5'.

 Set casing
 @ 309.5' KB & cemented w/ 300 sxs (3% cc, 2% gel).

 01/23/13
 WOC @ 7:00 a.m. Under surface @ 1:45 p.m.

 01/24/13
 Drilling ahead @

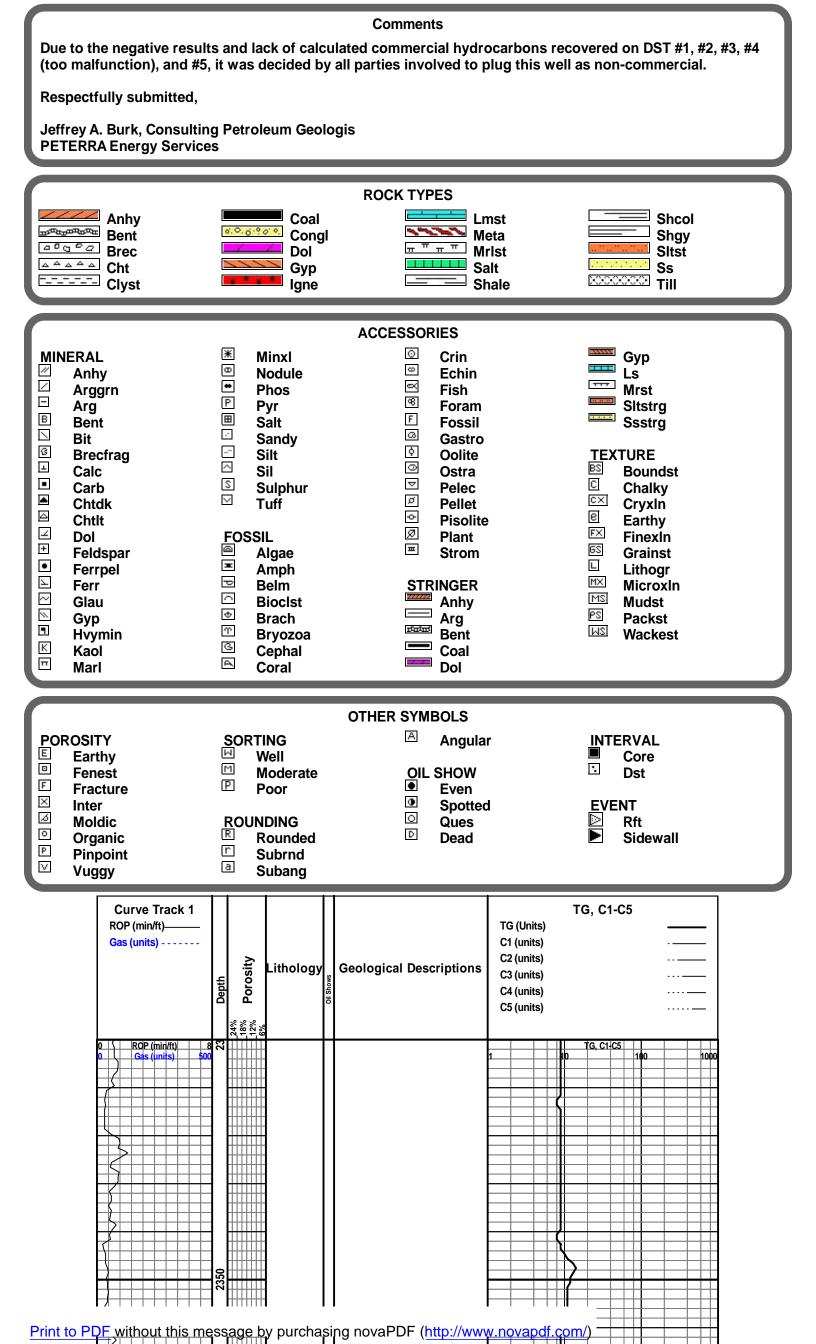
 01/25/13
 Drilling ahead @

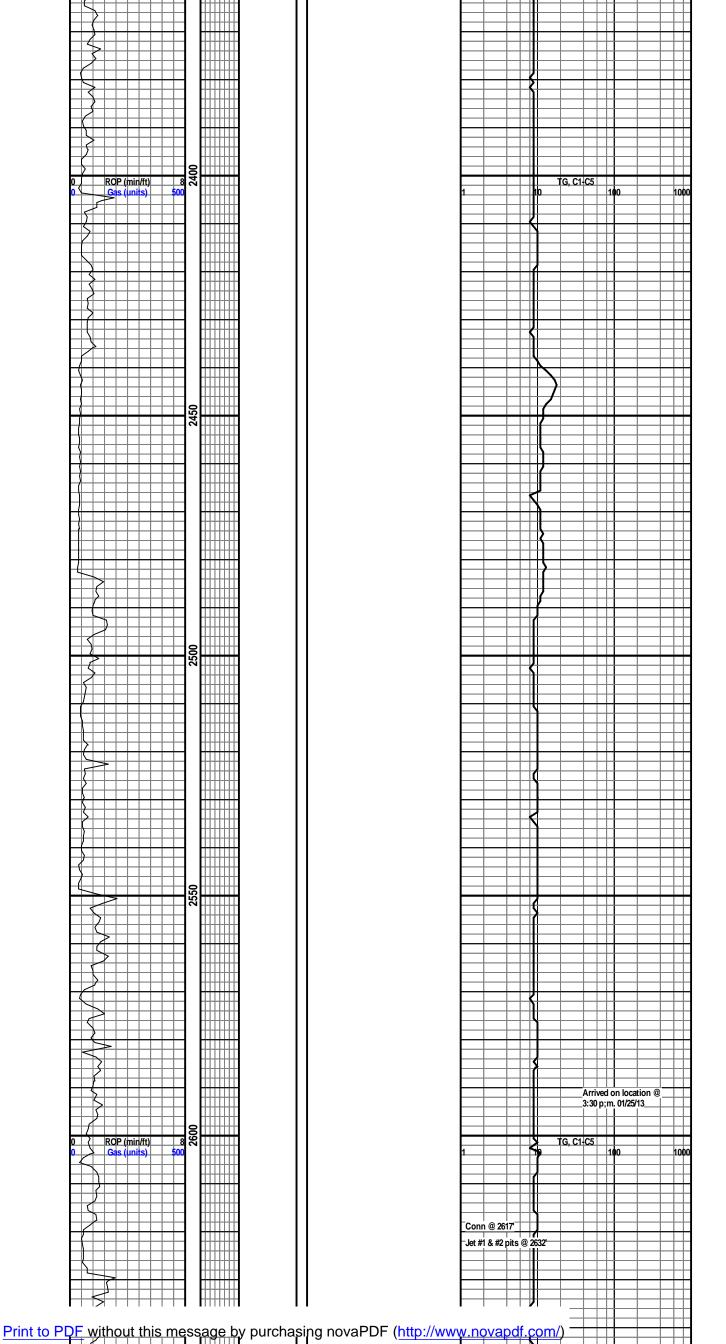
 01/26/13
 Drilling ahead @

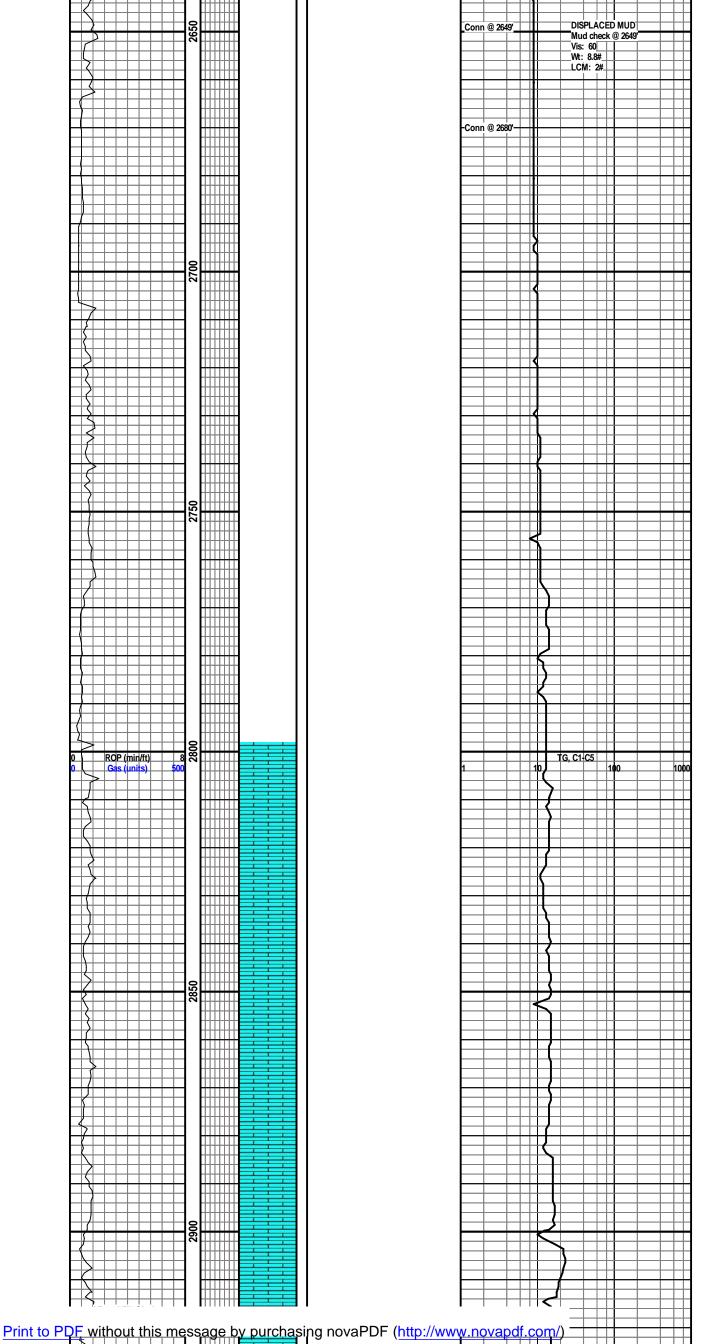
 01/26/13
 Drilling ahead @

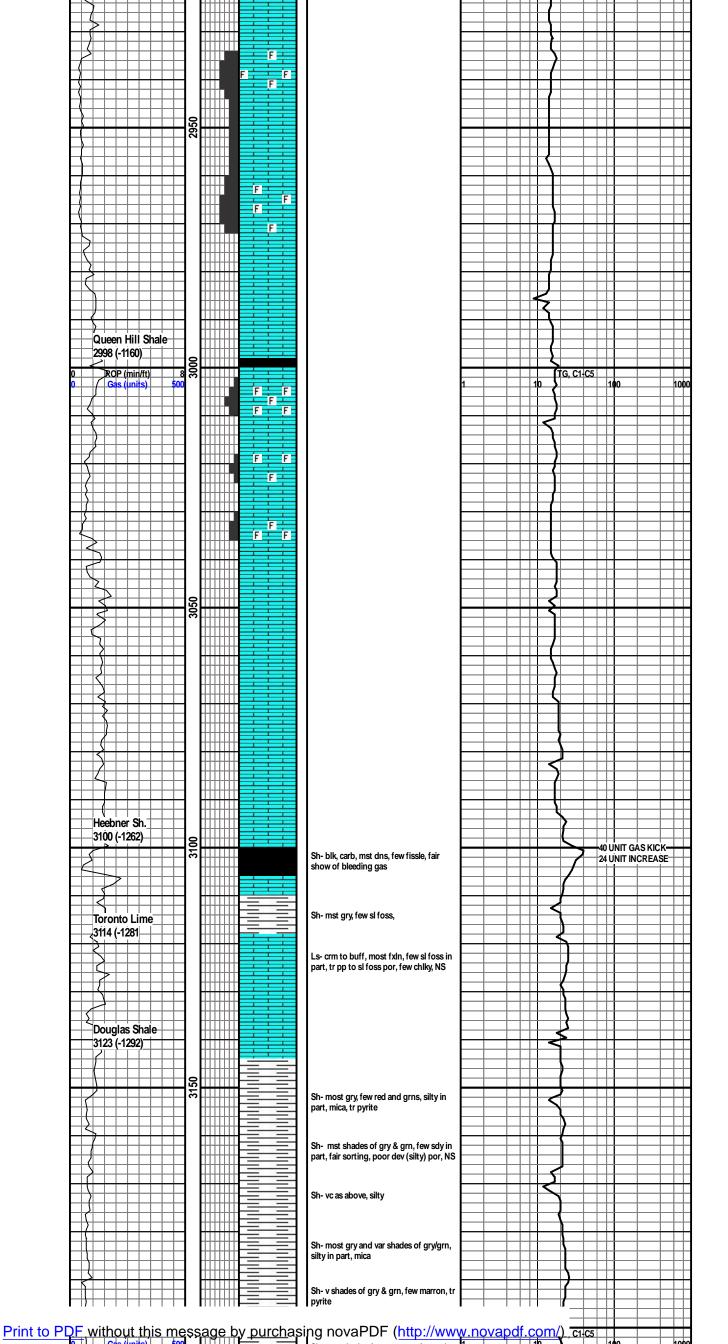
 01/26/13
 Short trip @ 3345', dropped survey

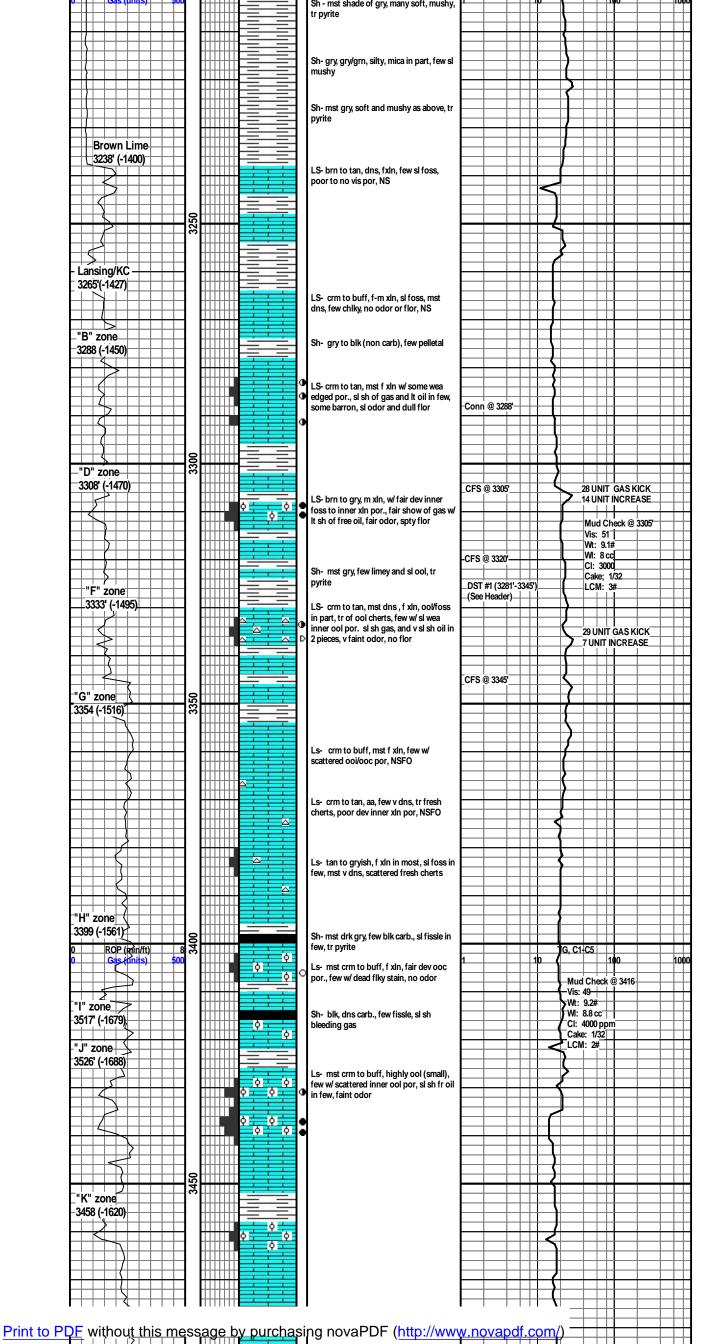
 (1degree),
 strapped pipe (.69' short to board), and ran DST #1

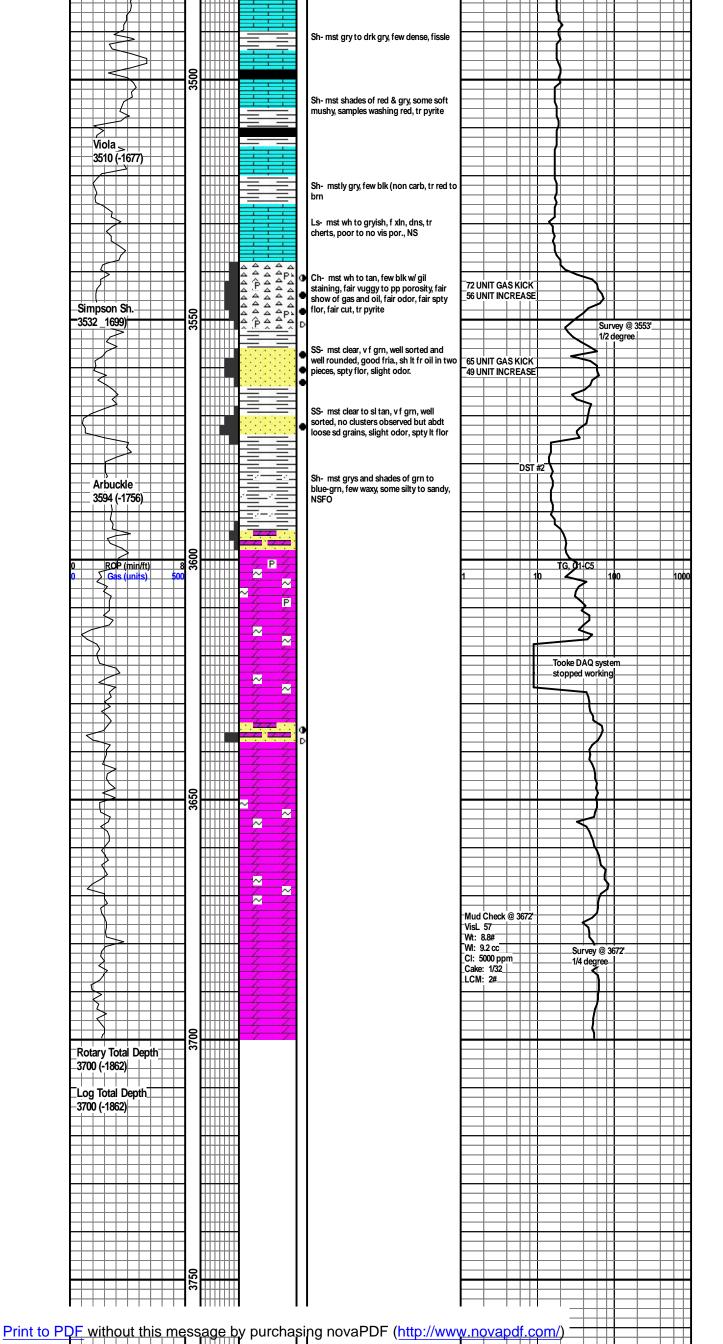












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Conservation Division Finney State Office Building 130 S. Market, Rm. 2078 Wichita, KS 67202-3802



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

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

April 15, 2013

Nick Hutchinson Hutchinson, William S. dba Hutchinson Oil Co. PO BOX 521 DERBY, KS 67037-0521

Re: ACO1 API 15-185-23786-00-00 V&V 1 NE/4 Sec.20-22S-11W Stafford 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, Nick Hutchinson 316-990-8174 nh118@att.net