



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1152474
OIL & GAS CONSERVATION DIVISION

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 # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

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: _____



1152474

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. 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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Electric Log Run	<input type="checkbox"/> Yes <input type="checkbox"/> No			
List All E. Logs Run:				

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, 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 / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR. _____ Producing Method:
 Flowing Pumping Gas Lift Other *(Explain)* _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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PAGE	CUST NO	INVOICE DATE
1 of 1	1005512	04/09/2013
INVOICE NUMBER		
1718 - 91161524		

Pratt (620) 672-1201
 B HUTCHINSON OIL COMPANY
 I PO BOX 521
 L DERBY
 L KS US 67037
 T
 O ATTN:

J LEASE NAME Osborne 2B
 O LOCATION
 B COUNTY Stafford
 S STATE KS
 I JOB DESCRIPTION Cement-New Well Casing/Pi
 T
 E JOB CONTACT

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE
40583206	19905		Net - 30 days	05/09/2013

	QTY	U of M	UNIT PRICE	INVOICE AMOUNT
<i>For Service Dates: 04/07/2013 to 04/07/2013</i>				
0040583206				
171808279A Cement-New Well Casing/Pi 04/07/2013				
Cement 8 5/8" Surface				
A-Con Blend Common	175.00	EA	13.50	2,362.33 T
Common Cement	175.00	EA	12.00	2,099.86 T
Celloflake	88.00	EA	2.77	244.18 T
Calcium Chloride	825.00	EA	0.79	649.64 T
"Top Rubber Cmt Plug, 8 5/8" ""	1.00	EA	168.74	168.74
"Unit Mileage Chg (PU, cars one way)"	45.00	MI	3.19	143.43
Heavy Equipment Mileage	90.00	MI	5.25	472.47
"Proppant & Bulk Del. Chgs., per ton mil	743.00	EA	1.20	891.54
Depth Charge; 501'-1000'	1.00	EA	899.94	899.94
Blending & Mixing Service Charge	350.00	BAG	1.05	367.47
Plug Container Util. Chg.	1.00	EA	187.49	187.49
"Service Supervisor, first 8 hrs on loc.	1.00	EA	131.24	131.24

Pump Truck & 350 sxs. of A-Con/Common cement for surface
4/11/13
ck. # 25342
9,009.32

PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:	SUB TOTAL	8,618.33
BASIC ENERGY SERVICES, LP	BASIC ENERGY SERVICES, LP	TAX	390.99
PO BOX 841903	801 CHERRY ST, STE 2100	INVOICE TOTAL	9,009.32
DALLAS, TX 75284-1903	FORT WORTH, TX 76102		



BASICSM
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

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

FIELD SERVICE TICKET

1718 08279 A

12-215-12W

DATE _____ TICKET NO. _____

DATE OF JOB: 4-7-13		DISTRICT: Pratt, Kansas		NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/>		PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/>		CUSTOMER ORDER NO.:		
CUSTOMER: Hutchinson Oil Company				LEASE: Osborne				WELL NO: 2B		
ADDRESS:				COUNTY: Stafford		STATE: Kansas				
CITY:				STATE:		SERVICE CREW: C. Messick, M. Mattal, J. Pierson				
AUTHORIZED BY:				JOB TYPE: C.N.W. - Surface						
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	PM	TIME
37,216	.75						4-7-13			3:00
						ARRIVED AT JOB				5:30
19,903-19,905	.75					START OPERATION				9:30
						FINISH OPERATION				10:15
19,831-19,862	.75					RELEASED	4-7-13			10:30
						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: _____
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
P CP101	A-CON Blend Cement	sk	175		\$ 3,150 00
P CP100C	Common Cement	sk	175		\$ 2,800 00
P CC102	Cellplate	Lb	88		\$ 325 60
P CC109	Calcium Chloride	Lb	825		\$ 866 25
P CF105	Top Rubber Plug, 8 5/8"	ea	1		\$ 225 00
P E100	Pickup Mileage	mi	45		\$ 191 25
P E101	Heavy Equipment Mileage	mi	90		\$ 630 00
P E113	Bolt Delivery	tm	743		\$ 1,188 00
P CE201	Cement Pump: 50 Feet To 1,000 Feet	hrs	4		\$ 1,200 00
P CE240	Blending and Mixing Service	sk	350		\$ 490 00
P CE504	Plug Container	job	1		\$ 250 00
P S003	Service Supervisor	hrs	8		\$ 175 00

CHEMICAL / ACID DATA:			

SUB TOTAL		DLS \$ 8,618 33
SERVICE & EQUIPMENT	% TAX ON \$	
MATERIALS	% TAX ON \$	
TOTAL		

SERVICE REPRESENTATIVE: *R. M. [Signature]*

THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: _____
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO. _____



BASICSM
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

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

FIELD SERVICE TICKET

1718 08279 A

12-215-12W

DATE _____ TICKET NO. _____

DATE OF JOB 4-7-13	DISTRICT Pratt Kansas	NEW WELL <input type="checkbox"/>	OLD WELL <input type="checkbox"/>	PROD <input type="checkbox"/>	INJ <input type="checkbox"/>	WDW <input type="checkbox"/>	CUSTOMER ORDER NO.:			
CUSTOMER Hutchinson Oil Company		LEASE Osborne				WELL NO. 2B				
ADDRESS		COUNTY Stafford		STATE Kansas						
CITY		STATE		SERVICE CREW C. Merrick M. Marshall J. Pierson						
AUTHORIZED BY		JOB TYPE: C.M.W. Surface								
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	PM	TIME
37216	.75						4-7-13			3:00
19903-19905	.75									5:30
19831-19862	.75									10:15
						RELEASED	4-7-13			10:30
						MILES FROM STATION TO WELL	45			

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SIGNED: _____
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CF101	ACCU Blend Cement	sh	175	\$	3150 00
CF100C	Common Cement	sh	175	\$	2,800 00
CC 102	Cellulose	Lb	88	\$	325 60
CC 109	Calcium Chloride	Lb	825	\$	866 25
CF105	Top Rubber Plug, 8 7/8"	ea	1	\$	225 00
E 100	Pickup Mileage	mi	45	\$	191 25
E 101	Heavy Equipment Mileage	mi	90	\$	630 00
E 113	Public Delivery	tm	743	\$	1,188 00
CE 201	Cement Pump: 500 Feet To 1,000 Feet	hrs	4	\$	1,200 00
CE 240	Blending and Mixing Service	sh	350	\$	490 00
CE 504	Plug Container	sh	4	\$	250 00
S003	Service Supervisor	hrs	8	\$	175 00

CHEMICAL / ACID DATA:			

SUB TOTAL		
DLS \$ 8618 33		
SERVICE & EQUIPMENT	%TAX ON \$	
MATERIALS	%TAX ON \$	
TOTAL		

SERVICE REPRESENTATIVE R M [Signature]	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY:
---	---

FIELD SERVICE ORDER NO. _____ (WELL OWNER OPERATOR CONTRACTOR OR AGENT)

BASIC

energy services, L.P.

TREATMENT REPORT

Customer Hutchinson Oil Company	Lease No.	Date 4-7-13	
Lease Osborne	Well # 2B		
Field Order # 8279	Station Pratt, Kansas	Casing 8 5/8 23Lb.	Depth 605 Feet
Type Job C.N.W. - Surface	Formation	County Stafford	State Kansas
		Legal Description 12-215-12W	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 8 5/8 23Lb./ft.	Tubing Size 3 1/2 12.75Lb./ft.	Shots/Ft	175 sacks	Acid	A-con with 38	RATE	PRESS	ISIP
Depth 605 Feet	Depth	From	To	Pre Pad	12Lb./Gal., 14.49 Gal./ft.	Max	2.47 CU. FT./ft.	5 Min.
Volume 38.72 Bbl.	Volume	From	To	Rad		Min		10 Min.
Max Press 300 PSI	Max Press	From	To	Frac	175 sacks common with 28	Avg	Calcium Chloride, .25	15 Min.
Well Connection Plug container	Annulus Vol.	From	To		15.6Lb./Gal., 5.23 Gal./ft.	HHP Used	1.20 CU. FT./ft.	Annulus Pressure
Plug Depth 590 Feet	Packer Depth	From	To	Flush	3 T. 5 Bbl. Fresh Water	Gas Volume		Total Load

Customer Representative Ebaldo	Station Manager David Scott	Treater Clarence R. Messich
-----------------------------------	--------------------------------	--------------------------------

Service Units	37,216	19,903	19,905	19,831	19,862				
Driver Names	Messich	Mattal	Pierson						

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
5:30					Trucks on location and hold safety meeting.
8:00					Sterling Drilling start to run 14 joints new 23Lb./ft. 8 5/8" casing.
9:17					Casing in well. Circulate for 5 minutes.
9:27	200			5	Start Fresh water Pre-Flush.
			10	6	Start mixing 175 sacks A-con Blend cement
			87	5	Start mixing 175 sacks common cement.
	300		124		stop pumping, shut in well. Release Top Rubber Plug. Open Well.
9:45	125			5	Start Fresh water Displacement.
9:55	300		37.5		Plug down. Shut in well
					Circulated 10 sacks cement to the pit. 7Hbl.
					Wash up pump truck.
10:30					Job Complete.
					Thank You.
					Clarence, Milte, Jesse



PAGE	CUST NO	INVOICE DATE
1 of 1	1005512	04/16/2013
INVOICE NUMBER		
1718 - 91166289		

Pratt (620) 672-1201
 HUTCHINSON OIL COMPANY
 PO BOX 521
 DERBY
 KS US 67037
 ATTN:

JOB LEASE NAME Osborne 2B
 LOCATION
 COUNTY Stafford
 STATE KS
 JOB DESCRIPTION Cement-New Well Casing/Pi
 JOB CONTACT

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE
40585708	27463		Net - 30 days	05/16/2013

	QTY	U of M	UNIT PRICE	INVOICE AMOUNT
For Service Dates: 04/13/2013 to 04/13/2013				
0040585708				
171808162A Cement-New Well Casing/Pi 04/13/2013				
Cement 5 1/2" Longstring				
AA2 Cement	100.00	EA	12.75	1,275.05 T
60/40 POZ	50.00	EA	9.00	450.02 T
Celloflake	25.00	EA	2.78	69.38 T
C-41P	19.00	EA	3.00	57.00 T
Salt	454.00	EA	0.38	170.26 T
Cement Friction Reducer	29.00	EA	4.50	130.50 T
C-44	94.00	EA	3.86	363.09 T
FLA-322	47.00	EA	5.63	264.39 T
Gilsonite	500.00	EA	0.50	251.26 T
Super Flush II	500.00	EA	1.15	573.77 T
"Latch Down Plug & Baffle, 5 1/2" (Blu	1.00	EA	300.01	300.01
"Auto Fill Float Shoe 5 1/2" (Blue)"	1.00	EA	270.01	270.01
"Turbolizer, 5 1/2" (Blue)"	6.00	EA	82.50	495.02
"Unit Mileage Chg (PU, cars one way)"	45.00	MI	3.19	143.44
Heavy Equipment Mileage	90.00	MI	5.25	472.52
"Proppant & Bulk Del. Chgs., per ton mil	308.00	EA	1.20	369.61
Depth Charge; 3001-4000'	1.00	EA	1,620.05	1,620.05
Blending & Mixing Service Charge	150.00	BAG	1.05	157.51
Casing Swivel Rental	1.00	EA	150.01	150.01
Plug Container Util. Chg.	1.00	EA	187.51	187.51
"Service Supervisor, first 8 hrs on loc.	1.00	EA	131.25	131.25

418-13
 CK#25364
 \$8,164.80

PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:	SUB TOTAL	7,901.66
BASIC ENERGY SERVICES,LP	BASIC ENERGY SERVICES,LP	TAX	263.14
PO BOX 841903	801 CHERRY ST, STE 2100	INVOICE TOTAL	8,164.80
DALLAS, TX 75284-1903	FORT WORTH, TX 76102		



BASICSM
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

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

10465857L
FIELD SERVICE TICKET

1718 08162 A

DATE _____ TICKET NO. _____

DATE OF JOB: 4-13-13		DISTRICT: Pratt		NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/>		PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/>		CUSTOMER ORDER NO.:	
CUSTOMER: Hutchinson Oil				LEASE: Osburne				WELL NO.: 28	
ADDRESS:				COUNTY: Stafford		STATE: KS			
CITY:		STATE:		SERVICE CREW: Orlando, McBry, Pierce					
AUTHORIZED BY:				JOB TYPE: CNW-5 1/2 L.S.					
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	TIME
27283	1						4-12-13	PM	4:00
27463	1					ARRIVED AT JOB	4-12-13	PM	6:00
19831-19862	1					START OPERATION	4-13-13	AM	1:15
						FINISH OPERATION		PM	2:15
						RELEASED		AM	2:45
						MILES FROM STATION TO WELL			45

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SIGNED: [Signature]
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CP105	AA2 Cement	Sx	100		1700.00
CP103	60/40 po2	Sx	50		600.00
CC102	Cellulose	Lb	25		92.50
CC105	C-HIP Defoamer	Lb	19		76.00
CC111	Salt	Lb	454		227.00
CC112	Cement Friction Reducer	Lb	29		174.00
CC115	C-44	Lb	94		484.10
CC129	FLA-322	Lb	47		352.50
CC201	Wilsonite	Lb	500		335.00
CS607	Latch Down Plug + Backlog 5 1/2	ea	1		400.00
CF1251	Auto Fill Float Shoe 5 1/2	ea	1		360.00
CF1651	Turbid 200 5 1/2	ea	6		660.00
CC155	Superflush II	Gal	500		765.00
					7901.60

CHEMICAL / ACID DATA:			

SUB TOTAL		DLS	
SERVICE & EQUIPMENT	% TAX ON \$		
MATERIALS	% TAX ON \$		
TOTAL			

SERVICE REPRESENTATIVE: <u>Steve Orlando</u>	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: <u>[Signature]</u>
FIELD SERVICE ORDER NO. _____	(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

Customer Hutchinson Oil	Lease No.	Date 4-13-13	
Lease Osborne	Well # 2 B		
Field Order # 8162	Station Pratt	Casing 5 1/2	Depth 3522
Type Job CNW - 5 1/2 L.S.	Formation	County Stafford	State KS
		Legal Description 12-21-12	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 5 1/2	Tubing Size	Shots/Ft 100sv		Acid AA2 Cement		RATE	PRESS	ISIP
Depth 3522	Depth	From	To	Pre Pad 1.36 yield	Max			5 Min.
Volume	Volume	From	To	Pad 60/40 POC	Min			10 Min.
Max Press	Max Press	From	To	Frac RH/mH	Avg			15 Min.
Well Connection 5 1/2	Annulus Vol.	From	To		HHP Used			Annulus Pressure
Plug Depth	Packer Depth	From	To	Flush 84.9	Gas Volume			Total Load

Customer Representative Jeff Burk	Station Manager Dave Scott	Treater Steve Orlando
Service Units 27283 27463 19831 19862		
Driver Names Orlando McBraw P. Price		

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
6:30 PM					On location - Safety Meeting
					Run 84 Jts 5 1/2 Casing 14#
					Centralizers 1-4-5-7-8-12
					Casing on Bottom Break Circ/H
1:45	300		12	5	Super Flush II
1:48	300		5	5	H2O spacer
1:49	300		24	5	Mix 100svs AA2 cement @ 15.3#/gal
					Shut Down - clear pump line
					Release plug
2:00	0		0	6	Start H2O Displacement
2:12	500		70	5	Lift pressure
2:13	600		75	4	Slow Rate
2:15	1500		85	4	Plug Down - Hold 30svs 30svs
			6/4		Mix 50svs 60/40 POC KH/mH
					Circulation thru Job
					Job Complete
					Thank, Steve



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Hutchinson Oil Co.
P.O. Box 521
Derby, KS 67037-0521
ATTN: Jeff Burk

12-21s.-12w. Stafford Co.
Osborne 2B
Job Ticket: 50477 **DST#: 1**
Test Start: 2013.04.10 @ 16:27:19

GENERAL INFORMATION:

Formation: **Lansing B / D**
Deviated: No Whipstock: 0.00 ft (KB)
Time Tool Opened: 18:43:19
Time Test Ended: 23:45:34
Interval: **3194.00 ft (KB) To 3235.00 ft (KB) (TVD)**
Total Depth: 3235.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Initial)
Tester: Ryan Reynolds
Unit No: 48
Reference Elevations: 1828.00 ft (KB)
1817.00 ft (CF)
KB to GR/CF: 11.00 ft

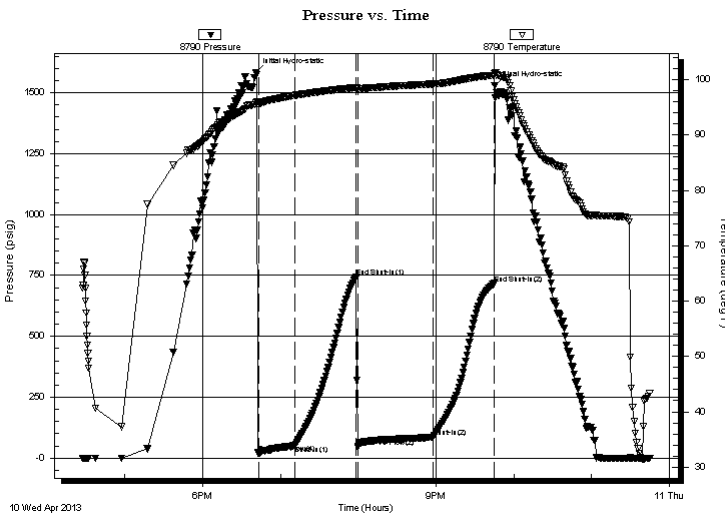
Serial #: 8790

Inside

Press @ Run Depth: 85.45 psig @ 3195.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2013.04.10 End Date: 2013.04.10 Last Calib.: 2013.04.10
Start Time: 16:27:24 End Time: 23:45:33 Time On Btm: 2013.04.10 @ 18:40:49
Time Off Btm: 2013.04.10 @ 21:45:19

TEST COMMENT: IF: Strong blow . BOB @ 5 1/2 min. No GTS.
IS: Weak surf. Blow
FF: Strong blow . BOB immed. No GTS.
FS: No blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1583.61	95.75	Initial Hydro-static
3	18.82	95.79	Open To Flow (1)
31	50.83	97.17	Shut-In(1)
78	744.37	98.58	End Shut-In(1)
79	45.25	98.38	Open To Flow (2)
137	85.45	99.22	Shut-In(2)
184	716.52	100.81	End Shut-In(2)
185	1528.34	101.15	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	Clean oil 100%oil	0.10
100.00	GOCM 30%gas, 30%oil, 40%mud	0.49
40.00	GOCM 5%gas, 10%oil, 85%mud	0.20
0.00	1640' GIP	0.00

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Hutchinson Oil Co.
P.O. Box 521
Derby, KS 67037-0521
ATTN: Jeff Burk

12-21s.-12w. Stafford Co.
Osborne 2B
Job Ticket: 50477 **DST#: 1**
Test Start: 2013.04.10 @ 16:27:19

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	3000 ppm
Viscosity: 48.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.99 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 3000.00 ppm			
Filter Cake: 0.20 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	Clean oil 100%oil	0.098
100.00	GOCM 30%gas, 30%oil, 40%mud	0.492
40.00	GOCM 5%gas, 10%oil, 85%mud	0.197
0.00	1640' GIP	0.000

Total Length: 160.00 ft Total Volume: 0.787 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: none
Laboratory Name: Laboratory Location:
Recovery Comments:

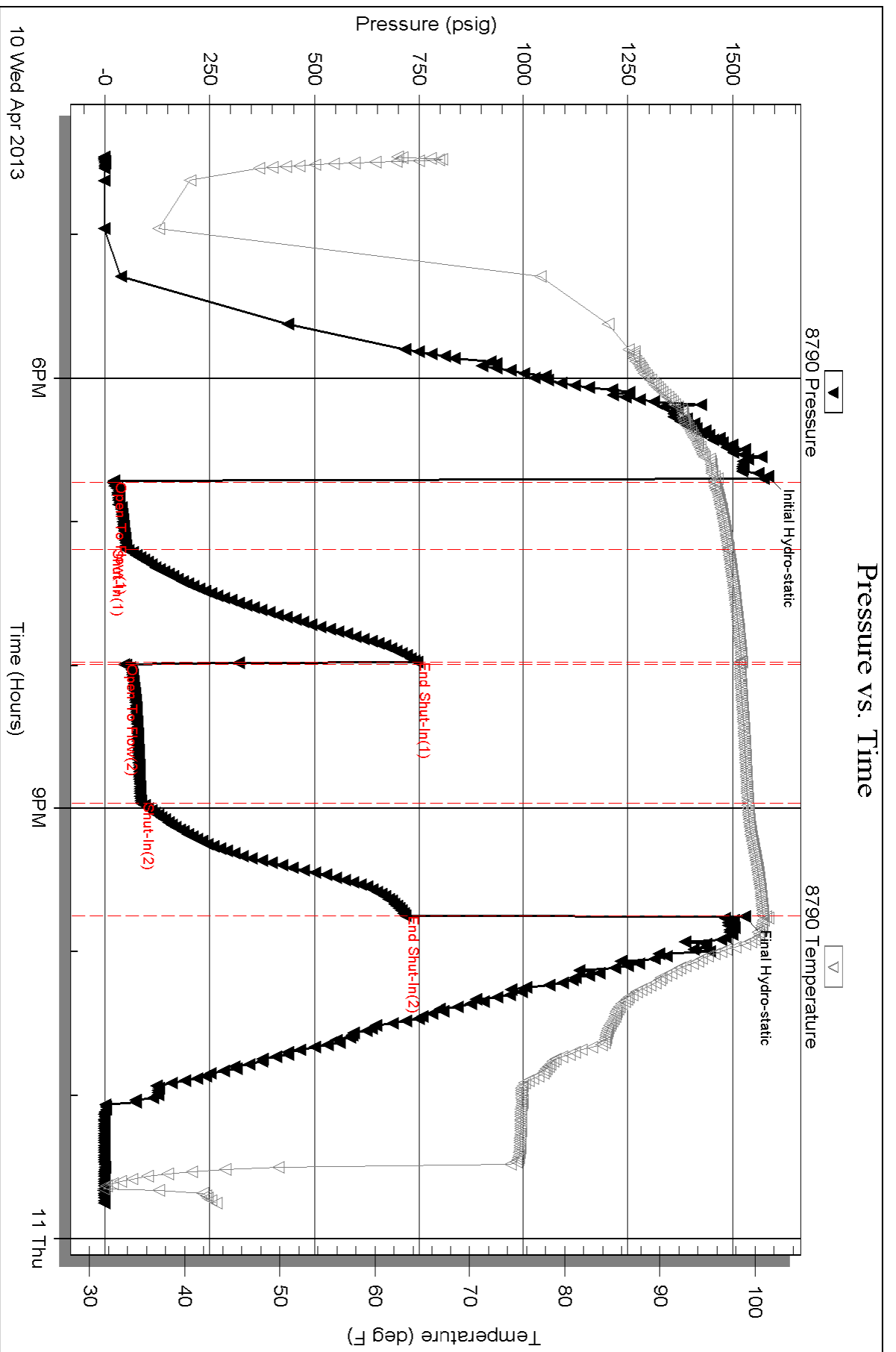
Serial #: 8790

Inside

Hutchinson Oil Co.

Osborne 2B

DST Test Number: 1



MUD LOG
WellSight Systems
Scale 1:240 (5"=100') Imperial
Measured Depth Log

Well Name: Osborne #2B
Location: Aprox. E/2 NW NE SE
License Number: KCC #5614
Spud Date: 04/07/13
Surface Coordinates: 2293' FSL & 894' FEL
Region: Mid-Continent-USA
Drilling Completed: 04/12/13

Bottom Hole Coordinates: Same as Surface Coordinates.
Ground Elevation (ft): 1812' K.B. Elevation (ft): 1823'
Logged Interval (ft): 2700' To: 3520' Total Depth (ft): 3520'
Formation: Arbuckle at Total Depth
Type of Drilling Fluid: Andy's Mud (Chemical Drispac)

Printed by MUD.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

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

GEOLOGIST

Name: Jeffrey A. Burk
Company: PETERRA Energy Services
Address: 110 South Main, Suite #510
Wichita, KS 67202
(316) 269-2015 Office

Daily Report

04/06/13 MIRU and spudded the well @ 10:30 pm.
04/07/13 Set 8 5/8" (23#) casing @ 604' KB w/ 350 sxs.
of common/A Con cement. Cement did circulate.
04/08/13 Drilling @ 1535' @ 9:00 am.
04/09/13 Drilling @ 2544' @ 9:00 am.
04/10/13 CFS @ 3235' @ 7:00 am. Ran DST #1(3194'-3235')
covering the Lansing "B", "D" zones.
04/11/13 Drilled and circulated the "F", "H", "I", "J" zones.
Drilling ahead @ 3370' @ 2:30 pm.
04/12/13 Drilled to RTD of 3520' (LTD 3522'). Ran CDL/CNL,
DIL, MEL, and SONIC logs. LDDP and prepared
to run casing.
04/13/13 Ran 84 jts. of new 5 1/2" (14#) casing, tallied @
(3520.72'), and set it @ 3521' (1' off LTD bottom).
Ran an auto fill-up guide shoe, latch down baffle,
and (6) turbolizers. We then cemented the well
with 100 sxs. of AA2 cement (5#/sx gils, 10% salt,
.5% FL, .3% FR, 1/4#/sx cellflake, .2% defoamer),
and landed the plug @ 2:15 am by Basic Services.

DSTs

DST #1 (3194'-3235') Lansing "B" & "D" zones

OP 30" - 45" - 60" - 45"

1st open: Good blow, BOB in 5 1/2 minutes

1st shut in: weak surface blow

2nd open: Strong blow, BOB 30 sec.

2nd shut in: no blow back

REC: 1640' GIP

40' GOCM (5% G, 10% O, 85% M)

120' GOCM (30% G, 30% O, 40% M)

20' CGO

IHP: 1545#

IFP: 19#-51#

ISIP: 744#

FFP: 45#-85#

FSIP: 717#

FHP: 1528#

BHT: 101 degrees

Comments

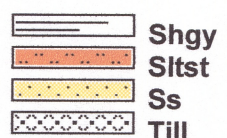
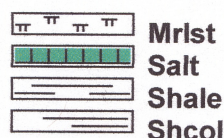
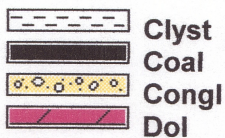
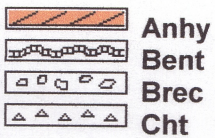
This well ran, structurally, one to two feet (1'-2') low through the Lansing Kansas City Group to the Osborne #1. Live shows were tested in the Lansing "B" & "D" zones, and those zones are considered commercial. Live shows were also noted in the Lansing "F", "G", and the "I" zones. The "F" & "I" zones were not tested because they are currently open in the Osborne #1. The "G" zone should also be checked and perforated prior to abandonment. Once the "clean" Arbuckle was encountered, the Arbuckle was deemed to low to produce.

As a result of the positive results recovered on DST #1, it was decided to set casing and further test the potential in the Lansing "B", "D", "F", "G", and "I" zones.

Respectfully submitted,

Jeffrey A. Burk

ROCK TYPES



ACCESSORIES

MINERAL

- Anhy
- Arggrn
- Arg
- Bent
- Bit
- Brefracg
- Calc
- Carb
- Chtdk
- Chtlf
- Dol
- Feldspar
- Ferrpel
- Ferr
- Glau

- Gyp
- Hvymin
- Kaol
- Marl
- Minxl
- Nodule
- Phos
- Pyr
- Salt
- Sandy
- Silt
- Sil
- Sulphur
- Tuff

- Gyp
- Hvymin
- Kaol
- Marl
- Minxl
- Nodule
- Phos
- Pyr
- Salt
- Sandy
- Silt
- Sil
- Sulphur
- Tuff

FOSSIL

- Algae
- Amph
- Belm
- Bioclst
- Brach
- Bryozoa
- Cephal
- Coral
- Crin
- Echin
- Fish
- Foram
- Fossil
- Gastro
- Oolite

- Ostra
- Pelec
- Pellet
- Pisolite
- Plant
- Strom

STRINGER

- Anhy
- Arg
- Bent
- Coal
- Dol
- Gyp
- Ls
- Mrst

- Slststrg
- Ssstrg

TEXTURE

- Boundst
- Chalky
- Cryxln
- Earthy
- Finexln
- Grainst
- Lithogr
- Microxln
- Mudst
- Packst
- Wackest

OTHER SYMBOLS

POROSITY

- Earthy
- Fenest
- Fracture
- Inter
- Moldic
- Organic
- Pinpoint

- Vuggy

SORTING

- Well
- Moderate
- Poor

ROUNDING

- Rounded
- Subrnd
- Subang
- Angular

- Spotted
- Ques
- Dead
- Gas show

EVENT

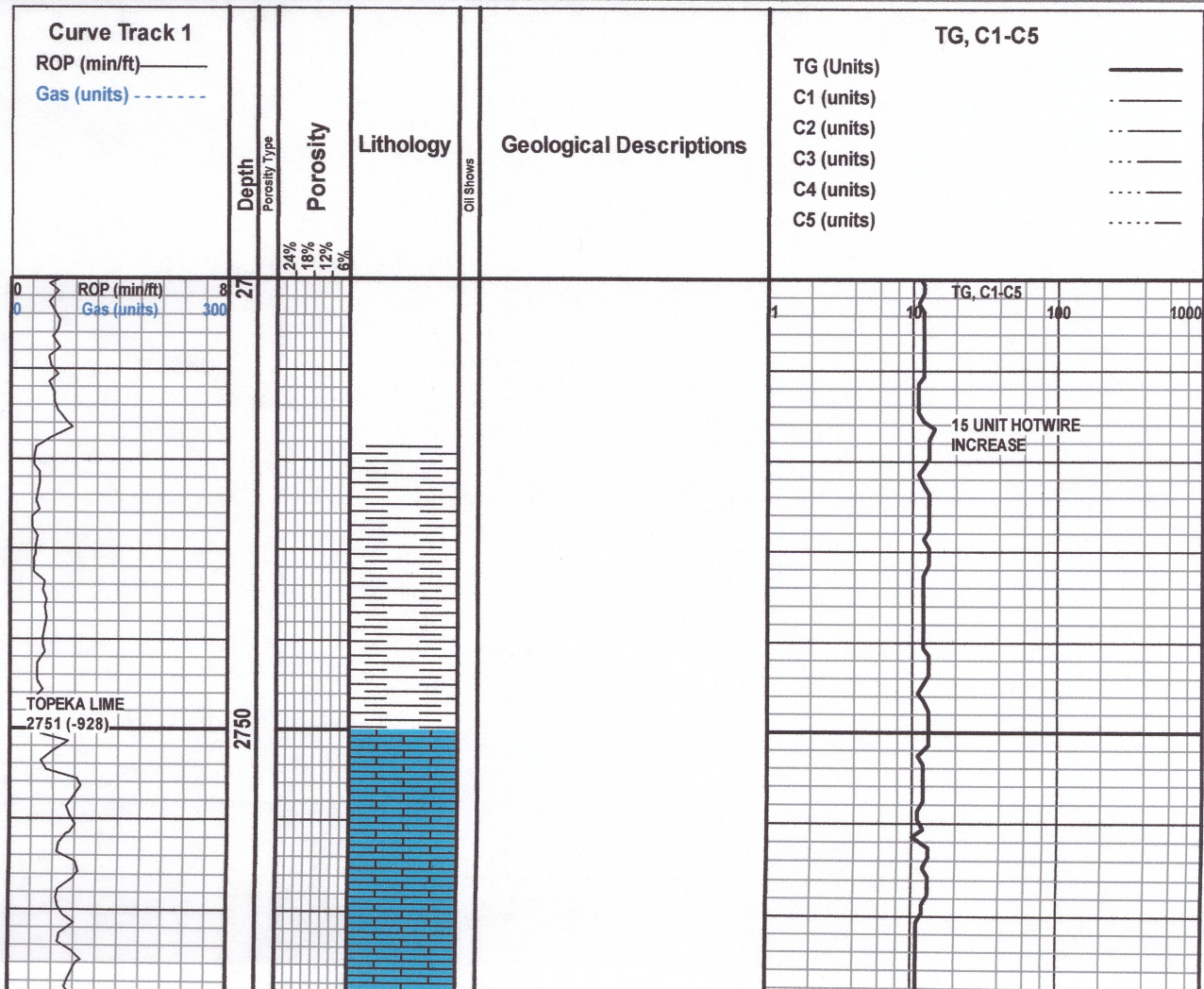
- Rft
- Sidewall

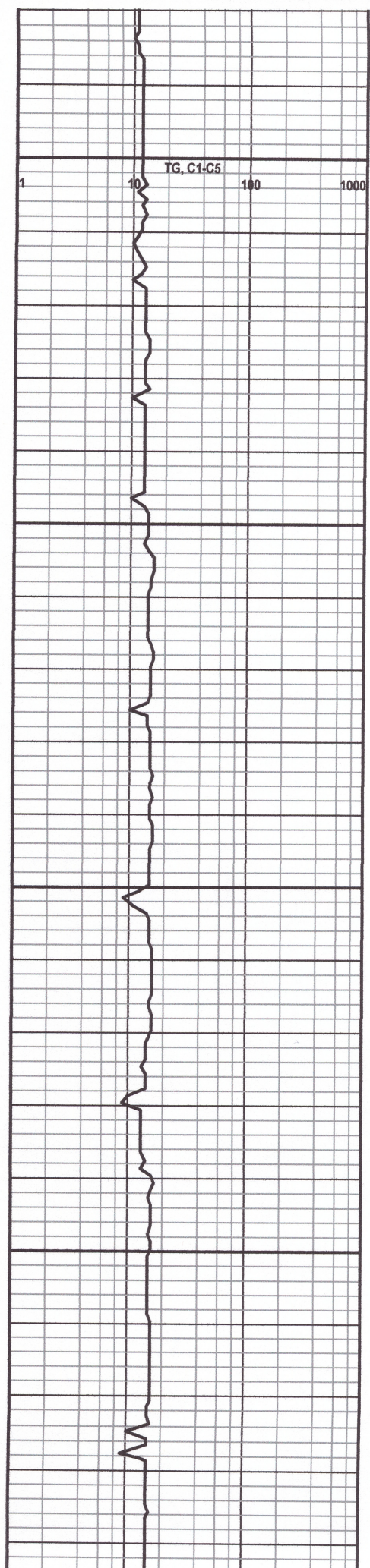
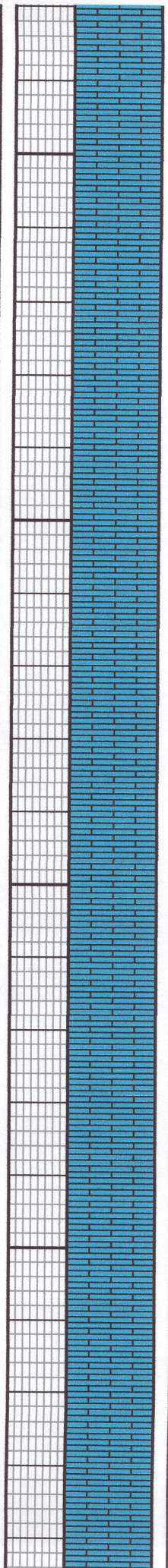
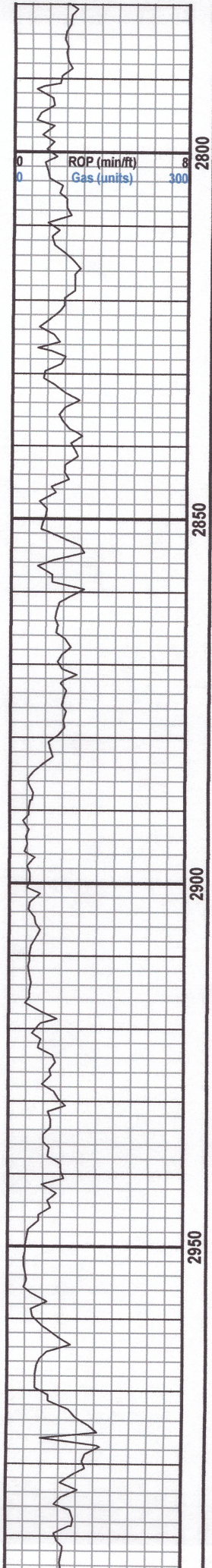
OIL SHOW

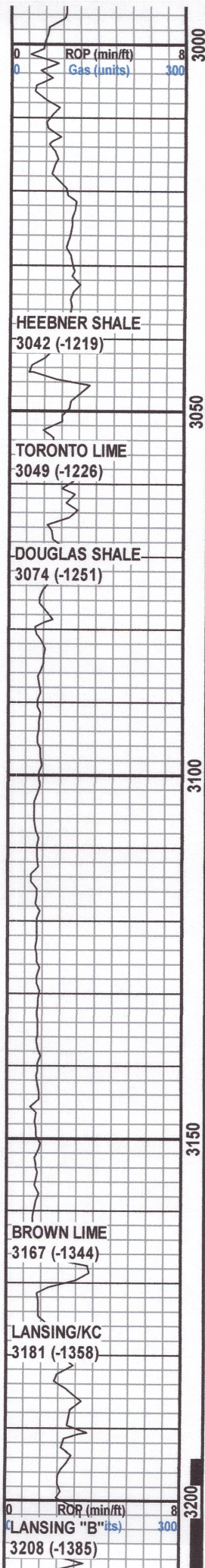
- Even

INTERVAL

- Core
- Dst







HEEBNER SHALE
3042 (-1219)

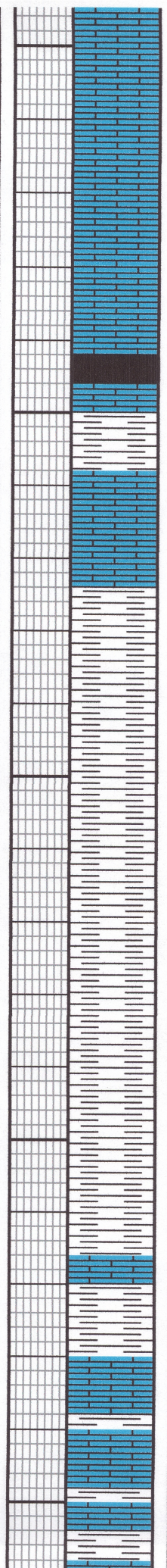
TORONTO LIME
3049 (-1226)

DOUGLAS SHALE
3074 (-1251)

BROWN LIME
3167 (-1344)

LANSING/KC
3181 (-1358)

LANSING "B" (ls)
3208 (-1385)



Sh- mst blk to carb., few dns, fissle, sl sh gas bubbles

Sh- mst gry, silty to limey, tr foss

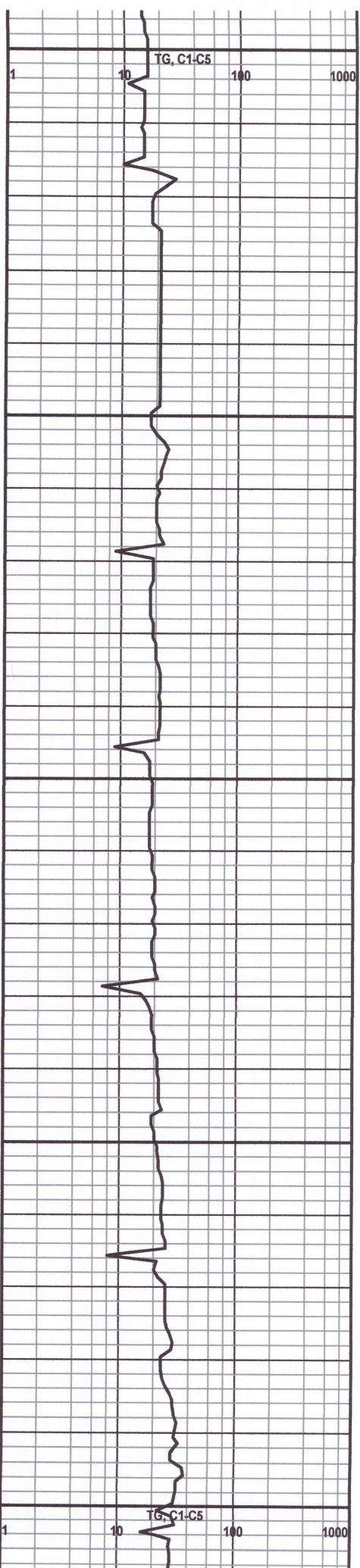
Ls- mst crm to buff, few fn xln, some scatt foss, poor dev por

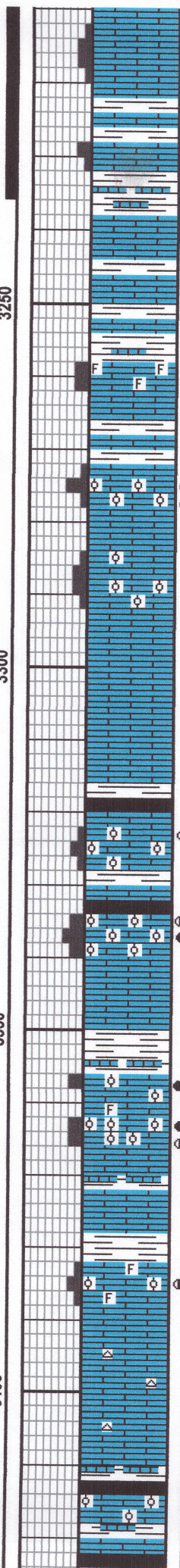
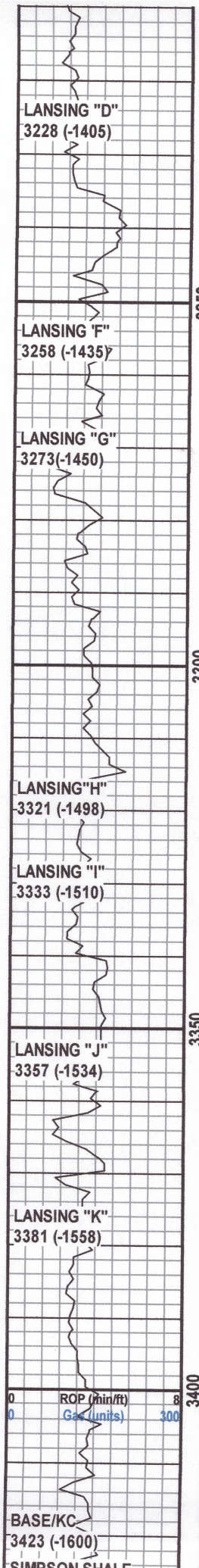
Ls- mst buff, f xln, sl foss, few v chky, NS

Ls- mst drk bm to gryish, v dns, f xln, sl foss, poor to no vis por.

Sh- mstly gry, few drk gry and sl limey/foss

Ls- mst dns tan, f xln, few sl foss, poor dev por, NS





LS- mst crm to grey, mst f xln w few sl foss por (drk st), few slight wea edged porosity (lt st), sl sh fr oil, faint odor, dull flor.

LS- mst tan to gryish, f xln, few sl foss to pp edged por, few w frac edged por, fair sh lt fr oil, fair odor, dull to spty flor.

LS- tan, v dns, few gryish and sl shly, mst w no vis por., NSFO

LS- mst tan to gryish, f xln in most few foss w wea pp to edged por, f sh fr oil, fair odor and spty dull flor

LS- mst crm to tan, f-med xln, fair dev ooc por, fair sh fr oil, spty 20% drk stain, faint odor, poor flor

LS- crm to tan, few well dev ooc por, mstly barron por, NSFO

LS- tan to gryish, v dns, v fn xln, poor to no vis por, NSFO

Sh- mst drk gry to blk carb., dns, few bleeding gas

Sh- mst drk gry, dns fissle carb sh

LS- mst buff to crm, highly ool (small) fair inner ool por, f sh fr oil, fair odor, spty flor, few gas bubbles

LS- mst tan to gryish, v dns, f xln, poor to no vis por, NSFO

LS- mst crm to tan, f-med xln, foss to ool/ooc por, f sh fr oil in several pieces, fair odor, dull flor spty 30% stain

LS- crm to tan aa, few w well dev inner ool/foss por. few w sh fr oil, few w heavy f oil, spty 20% drk stain

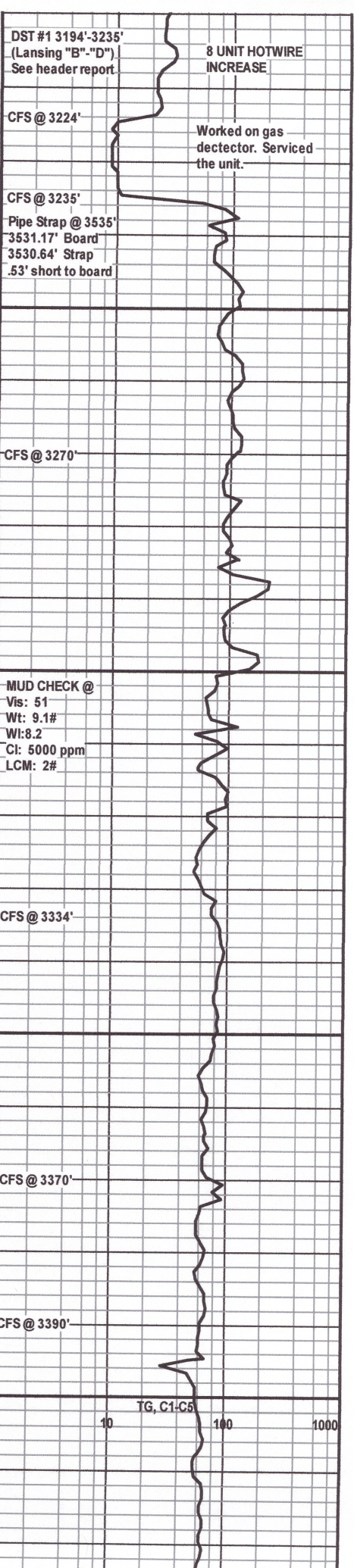
LS- mst tan to gryish, v dns, f xln, poor to no vis por, NSFO

LS- gry to tan, sl dev inner foss to ooc por in few, sh v heavy f oil in (2) pieces, no odor, no flor

LS- mst gry to tan, v fn xln, v dns few micro xln, tr chert NSFO

Sh- mst dr gry to blk, few sub carb, few carb

LS- mst gryish, v dns, f xln, few w scatt ool/ooc por, poor dev por, NSFO



3428 (-1605)

ERO. ARBUCKLE
3479 (-1656)

ARBUCKLE
3490 (-1667)

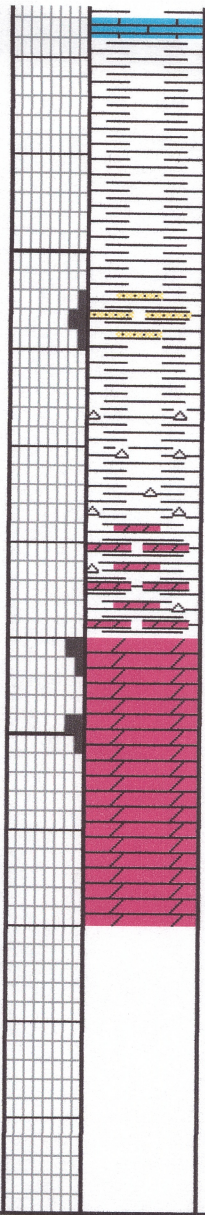
Rotary Total Depth
3520 (-1697)

Log Total Depth
3522 (-1699)

3450

3500

50



Sh- mst dk gry to blk, tr carb

Sh- mst med gry to sl gmish, few waxy, few tr reds

Sh- many grys w. incr in red sh, few mushy, few silty, samples washing red

SS- mst gmish to few red, poor sorting, v shly, NSFO

Sh- mstly gm to blue gm, few soft and mushy, most waxy, some ch and red sh

Dol- dns, v fn xln, abdt sh, ch, and pyrite, sample washing red

Dol- mst tan f aln, tr w pp to sl suc por, no odor or flor, NSFO

Dol- mst tan, v fn xln, poor to no vis por., no odor or flor, NSFO

Dol- mst tan, f xln w tr of med xln, mst dns w poor dev inner xln por, no odor, no flor, NSFO

CFS @ 3458'

CFS @ 3467'

CFS @ 3480'

CFS @ 3485'

CTCH @ 3520'
for E-Logs

Survey @ 3520'
3/4 degree

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

July 23, 2013

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

Re: ACO1
API 15-185-23799-00-00
Osborne 2B
SE/4 Sec.12-21S-12W
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,
Steve Hutchinson