



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1092804
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: _____

1092804

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 <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No 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: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
--	---

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: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____
---	--

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> _____	PRODUCTION INTERVAL: _____ _____
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PAGE	CUST NO	INVOICE DATE
1 of 1	1005512	06/25/2012
INVOICE NUMBER		
1718 - 90936742		

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

J LEASE NAME Schlochtermeyer 2-24
 O LOCATION
 B COUNTY Stafford
 S STATE KS
 I JOB DESCRIPTION Cement-New Well Casing/Pi
 T JOB CONTACT
 E

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE
40479218	19905		Cash Sale	06/25/2012

	QTY	U of M	UNIT PRICE	INVOICE AMOUNT
<i>For Service Dates: 06/22/2012 to 06/22/2012</i>				
0040479218				
171806343A Cement-New Well Casing/Pi 06/22/2012				
Cement Surface				
60/40 POZ	325.00	EA	9.00	2,925.00 T
Celloflake	82.00	EA	2.78	227.55 T
Calcium Chloride	840.00	EA	0.79	661.50 T
"Unit Mileage Chg (PU, cars one way)"	30.00	MI	3.19	95.63
Heavy Equipment Mileage	60.00	MI	5.25	315.00
"Proppant & Bulk Del. Chgs., per ton mil	420.00	EA	1.20	504.00
Depth Charge; 0-500'	1.00	EA	750.00	750.00
Blending & Mixing Service Charge	325.00	BAG	1.05	341.25
Service Supervisor	1.00	HR	131.25	131.25
<i>325 sxs. 60/40 Poz Mix - 2% gel - 3% c/c (Surface)</i> <i>6-20-12</i> <i>ck. # 24707</i> <i>\$6,229.61</i>				

PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:	SUB TOTAL	5,951.18
BASIC ENERGY SERVICES, LP	BASIC ENERGY SERVICES, LP	TAX	278.43
PO BOX 841903	PO BOX 10460	INVOICE TOTAL	6,229.61
DALLAS, TX 75284-1903	MIDLAND, TX 79702		



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 06343 A

24-235-13W

DATE _____ TICKET NO. _____

DATE OF JOB: 6-22-12		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: Schlochtermeyer		WELL NO: 2-24				
ADDRESS:				COUNTY: Stafford		STATE: Kansas				
CITY:				SERVICE CREW: C. Messick: M. Mattal: S. Young						
AUTHORIZED BY:				JOB TYPE: C.N.W. - Surface						
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	PM	TIME
37,216	.75					6-22-12				6:30
						ARRIVED AT JOB				8:00
19,903-19,905	.75					START OPERATION				9:40
						FINISH OPERATION				10:25
19,960-21,010	.75					RELEASED	6-22-12			11:00
						MILES FROM STATION TO WELL				30

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
CP 103	60/40 Poz Cement	sk	325	\$	3,900 00
CC 102	Cellflatre	Lb	82	\$	303 40
CC 109	Calcium Chloride	Lb	840	\$	882 00
E 100	Pickup Mileage	mi	30	\$	127 50
E 101	Heavy Equipment Mileage	mi	60	\$	420 00
E 113	Bult Delivery	tm	420	\$	672 00
CE 200	Cement Pump: 0 Feet To 500 Feet	hrs	4	\$	1,000 00
CE 240	Blending and Mixing Service	sk	325	\$	455 00
S 003	Service Supervisor	hrs.	8	\$	175 00

CHEMICAL / ACID DATA:			

SUB TOTAL		46	\$ 5,951 18
SERVICE & EQUIPMENT	%TAX ON \$		
MATERIALS	%TAX ON \$		
TOTAL			

SERVICE REPRESENTATIVE: Lorence R. Messick THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: Tom Blake

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

BASIC

energy services, L.P.

TREATMENT REPORT

Customer Hutchinson Oil Company		Lease No.		Date 6-22-12	
Lease Schlochter Meier		Well # 2-24			
Field Order # 6343	Station Pratt, Kansas	Casing 8 5/8 23Lb.	Depth 324 Feet	County Stafford	State Kansas
Type Job C.N.W. - Surface			Formation	Legal Description 24-235-13W	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 8 5/8 23Lb./ft.	Tubing Size	Shots/Ft	325 sacts	Acid	60/40 Poz with	RATE	PRESS	ISIP
Depth 324 Feet	Depth	From	To 28 Gals	Pre Pad	38 Calcium Chloride, .25 Lb./stk. cell Make	Max		5 Min.
Volume 20.7 Bbl.	Volume	From	To 14.8 Lb.	Pad	1 Gal, 5.18 Gal /stk. 21 CU.FT. /stk.	Min		10 Min.
Max Press 300 P.S.I.	Max Press	From	To	Frac		Avg		15 Min.
Well Connection 2 wedged and 2 valves	Annulus Vol.	From	To			HHP Used		Annulus Pressure
Plug Depth 309 Feet	Packer Depth	From	To	Flush	20 Bbl. Fresh Water	Gas Volume		Total Load

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

Service Units	37,216	19,903	19,905	19,960	21,010				
Driver Names	Messich	Mattal	Young						

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
8:00					Trucks on location and hold safety meeting.
9:10					Royal Drilling start to run 8 Joints new 23Lb./ft. 8 5/8" casing.
9:40					Casing in well. Circulate for 5 minutes.
	275			5	Start Fresh water Pre-Flush.
	300		10	5	Start Mixing 325 sacts 60/40 Poz cement.
	100		80	5	Start Fresh water Displacement.
10:10	300		100		Plug down. Shut in well.
					Circulated 15 sacts cement to the pit.
					Wash up pump trucks.
11:00					Job Complete.
					Thank You.
					Clarence, Milte, Steve



PAGE 1 of 1	CUST NO 1005512	INVOICE DATE 07/02/2012
INVOICE NUMBER 1718 - 90944008		

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

J LEASE NAME Schlochtermeir 2-24
 O LOCATION
 B COUNTY Stafford
 S STATE KS
 I JOB DESCRIPTION Cement-New Well Casing/Pi
 T JOB CONTACT
 E

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE
40482316	20920		Net - 30 days	08/01/2012

	QTY	U of M	UNIT PRICE	INVOICE AMOUNT
<i>For Service Dates: 06/30/2012 to 06/30/2012</i>				
0040482316				
171806248A Cement-New Well Casing/Pi 06/30/2012 Cement 4 1/2" Longstring				
AA2 Cement	275.00	EA	12.75	3,506.07 T
Celloflake	69.00	EA	2.77	191.47 T
C-41P	65.00	EA	3.00	194.99 T
Salt	1,253.00	EA	0.37	469.85 T
Cement Friction Reducer	78.00	EA	4.50	350.98 T
C-44	259.00	EA	3.86	1,000.34 T
FLA-322	78.00	EA	5.62	438.73 T
Gilsonite	1,375.00	EA	0.50	690.90 T
"Top Rubber Cmt Plug, 4 1/2""	1.00	EA	60.00	60.00
"Guide Shoe - Regular, 4 1/2"" (Blue)"	1.00	EA	168.74	168.74
"Turbolizer, 4 1/2"" (Blue)"	8.00	EA	63.75	509.97
Flapper Type Insert Float Valve 4 1/2"(B	1.00	EA	149.99	149.99
4 1/2" Basket(Blue)	1.00	EA	202.49	202.49
Mud Flush	500.00	EA	0.64	322.48 T
"Unit Mileage Chg (PU, cars one way)"	30.00	MI	3.19	95.62
Heavy Equipment Mileage	60.00	MI	5.25	314.98
"Proppant & Bulk Del. Chgs., per ton mil	389.00	EA	1.20	466.78
Depth Charge; 3001-4000'	1.00	EA	1,619.92	1,619.92
Blending & Mixing Service Charge	275.00	BAG	1.05	288.74
Casing Swivel Rental	1.00	EA	149.99	149.99
High Head Charge (Over 6')	1.00	EA	224.99	224.99
"Service Supervisor, first 8 hrs on loc.	1.00	EA	131.24	131.24
Plug Container Util. Chg.	1.00	EA	187.49	187.49

*275 SXS. AA2 cement, 8 centralizers,
Guide shoe, Basket w/pump*

*7-512
CK# 24729
\$13,259.85*

PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:		
BASIC ENERGY SERVICES, LP	BASIC ENERGY SERVICES, LP	SUB TOTAL	11,736.75
PO BOX 841903	PO BOX 10460	TAX	523.10
DALLAS, TX 75284-1903	MIDLAND, TX 79702	INVOICE TOTAL	12,259.85

Customer <i>Hutchinson Oil</i>	Lease No.	Date <i>6-30-13</i>
Lease <i>Schlumberger Mill</i>	Well # <i>2-24</i>	
Field Order # <i>6248</i>	Station <i>Pratt</i>	Casing <i>4 1/2 10.5</i>
		Depth <i>3559</i>
Type Job <i>CNW 4 1/2 L.S.</i>	Formation	County <i>Stafford</i>
		State <i>KS</i>
		Legal Description <i>24-23-13</i>

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size <i>4 1/2</i>	Tubing Size	Shots/Ft <i>225</i>		Acid <i>AA2 cement</i>	RATE	PRESS	ISIP	
Depth <i>3559</i>	Depth	From	To	Pre Pad <i>1.36</i>	Max		5 Min.	
Volume <i>6275</i>	Volume	From	To <i>500</i>	Pad <i>AA2 R11/mH</i>	Min		10 Min.	
Max Press <i>1500</i>	Max Press	From	To	Frac	Avg		15 Min.	
Well Connection	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
Plug Depth <i>3713</i>	Packer Depth	From	To	Flush <i>62.7</i>	Gas Volume		Total Load	

Customer Representative <i>Steve Hallison</i>	Station Manager <i>Dave Scott</i>	Treater <i>Steve Orlando</i>
Service Units <i>07083 33708 20920 19831 / 19860</i>		
Driver Names <i>Orlando Wright Pralson</i>		

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>6:00 AM</i>					<i>On location Safety Meeting</i>
					<i>Run 9831s 4 1/2 Casing</i>
					<i>Conduits 1-3-5-7-9-11-15-18</i>
					<i>Basket #13</i>
					<i>Carry On Bottom Break Circ/R.S</i>
<i>11:25</i>	<i>200</i>		<i>5</i>	<i>5</i>	<i>Rotate Casing 5 bbl H2O</i>
<i>11:27</i>	<i>250</i>		<i>12</i>	<i>5</i>	<i>Mud Slush</i>
<i>11:29</i>	<i>250</i>		<i>5</i>	<i>5</i>	<i>H2O spacer</i>
<i>11:30</i>	<i>250</i>		<i>5 1/2</i>	<i>5</i>	<i>mix 225 shots AA2 cement @ 15.5#/6-1</i>
					<i>Shut Down - Clear pump line</i>
<i>17:49</i>	<i>0</i>		<i>0</i>	<i>6</i>	<i>Back Start H2O Displacement</i>
<i>17:52</i>	<i>300</i>		<i>30</i>	<i>5</i>	<i>L.S.P. pressure</i>
<i>17:58</i>	<i>600</i>		<i>52</i>	<i>4</i>	<i>Slow Rate - Stop Rotating</i>
<i>18:00 PM</i>	<i>1500</i>		<i>62.7</i>	<i>4</i>	<i>Plug Down - Hold</i>
					<i>Job Complete</i>
					<i>Thanks, Steve</i>
			<i>6/4</i>		<i>mix 50 shots per R11/mH</i>



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 06248 A

DATE _____ TICKET NO. _____

DATE OF JOB: 6-30-12 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: Schlochtermeier WELL NO. 220							
ADDRESS:		COUNTY: Stafford STATE: KS							
CITY: STATE:		SERVICE CREW: Orlando, Wright, Pearson							
AUTHORIZED BY:		JOB TYPE: CNEW - 4 1/2 L.S.							
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	TIME
27283	1						6-30-12	PM	4:30
19831-21986	1					ARRIVED AT JOB		AM	6:00
33708-35920	1					START OPERATION		AM	11:00
						FINISH OPERATION		AM	12:00
						RELEASED		AM	1:00
						MILES FROM STATION TO WELL			30

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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
CP105	AAA Cement	Sk	225		3825.00
CP105	AA2 Cement	Sk	50		850.00
CL102	Cellulose	Lb	69		255.30
CC105	C-41P	Lb	65		260.00
CC111	Salt	Lb	1253		626.50
CC112	Friction Reducer	Lb	78		468.00
CC115	C-44	Lb	259		1333.85
CC129	FLA-322	Lb	78		585.00
CC201	Gilsonite	Lb	1375		921.25
CF102	Top Rubber Plug 4 1/2"	ea	1		80.00
CF250	Guide Shoe 4 1/2"	ea	1		225.00
CF1450	Slapper Type Insert Float Valve 4 1/2"	ea	1		200.00
CF1650	Turboliner 4 1/2"	ea	8		680.00
CF1900	Basket 4 1/2"	ea	1		270.00
CC151	Mud Slush	gal	500		430.00
					11,736.75

CHEMICAL / ACID DATA:			

SUB TOTAL		11,736.75
SERVICE & EQUIPMENT	%TAX ON \$	
MATERIALS	%TAX ON \$	
TOTAL		11,009.90

SERVICE REPRESENTATIVE: Steve Orlando	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: Steve Orlando
FIELD SERVICE ORDER NO.:	(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

OPERATOR

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

Contact Geologist:
 Contact Phone Nbr: 316-788-5440
 Well Name: Schlochtermeier #2-24
 Location: 8 5/8" @ 334'
 Pool:
 State: Kansas, Stafford Co.

API: 15-185-23755-00-00
 Field: Wildcat
 Country: USA



Musgrove

**PETROLEUM
 CORPORATION**
 Claflin, Kansas

Scale 1:240 Imperial

Well Name: Schlochtermeier #2-24
 Surface Location: 8 5/8" @ 334'
 Bottom Location:
 API: 15-185-23755-00-00
 License Number:
 Spud Date: 6/22/2012 Time: 3:34 PM
 Region: SE-SE-NW-SE 24-23s-13w
 Drilling Completed: 6/28/2012 Time: 8:50 PM
 Surface Coordinates: 1475' From South Line & 1605' From East Line
 Bottom Hole Coordinates:
 Ground Elevation: 1878.00ft
 K.B. Elevation: 1885.00ft
 Logged Interval: 2800.00ft To: 3956.00ft
 Total Depth: 3956.00ft
 Formation: Lansing
 Drilling Fluid Type: Chemical mud was displaced at 2900'

SURFACE CO-ORDINATES

Well Type: Vertical
 Longitude: Latitude:
 N/S Co-ord: 1475' From South Line
 E/W Co-ord: 1605' From East Line

LOGGED BY

Company: Musgrove Petroleum Corp.
 Address: 212 Main St.
 Claflin, KS 67525
 Phone Nbr: 620-546-3960
 Logged By: Geologist Name: Josh Austin

CONTRACTOR

Contractor: Royal Drilling Inc
 Rig #: 1
 Rig Type:
 Spud Date: 6/22/2012 Time: 3:34 PM
 TD Date: 6/28/2012 Time: 8:50 PM
 Rig Release: Time:

ELEVATIONS

K.B. Elevation: 1885.00ft Ground Elevation: 1878.00ft

NOTES

On the basis of the positive structural position, drill stem test and after reviewing the electric logs, it was recommended by all parties involved to run 4 1/2" production casing to further test the following zones: Simpson Sand, Viola, Lansing zones.

Hutchinson Oil Co.

well comparison sheet

DRILLING WELL					COMPARISON WELL			
Schlochtermeyer 2-24					Schlochtermeyer 1-24			
1885 KB					1891 KB		Structural Relationship	
Formation	Sample	Sub-Sea	Log	Sub-Sea	Log	Sub-Sea	Sample	Log
Anhydrite	729	1156			727	1164	-8	
Heebner	3269	-1384	3270	-1385	3278	-1387	3	2
Toronto	3287	-1402	3290	-1405	3296	-1405	3	0
Douglas	3305	-1420	3307	-1422	3314	-1423	3	1
Brown Lime	3407	-1522	3406	-1521	3417	-1526	4	5
Lansing	3430	-1545	3432	-1547	3439	-1548	3	1
Base KC	3696	-1811	3695	-1810	3705	-1814	3	4
Marmaton	3716	-1831	3710	-1825	3724	-1833	2	8
Viola	3766	-1881	3770	-1885	3779	-1888	7	3
Simpson Shale	3853	-1968	3860	-1975	3867	-1976	8	1
Simpson Sand	3880	-1995	3884	-1999				
Simpson Dol.					3891	-2000		
Arbuckle	3918	-2033	3920	-2035				
Total Depth	3956	-2071	3958	-2073	3928	-2037		

DRILL STEM TEST REPORT

Hutchinson Oil Corp

24-23s-13w

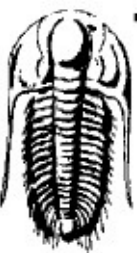
Po Box 521
Derby KS 67037

Schlochtermeyer#2-24

Job Ticket: 47558 DST#: 1

ATTN: Steve Hutchinson/ Jo

Test Start: 2012.06.26 @ 20:12:00



TRIOBITE
TESTING, INC.

GENERAL INFORMATION:

Formation: Lansing F
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 22:04:30
 Time Test Ended: 02:54:45

Test Type: Conventional Bottom Hole (Initial)
 Tester: Chris Staats
 Unit No: 47

Interval: 3490.00 ft (KB) To 3513.00 ft (KB) (TVD)

Reference Elevations: 1885.00 ft (KB)

Total Depth: 3513.00 ft (KB) (TVD)

1878.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GB/CF: 7.00 ft

Serial #: 6773

Outside

Press@RunDepth: 148.78 psig @ 3491.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.06.26 End Date: 2012.06.27

Last Calib.: 2012.06.27

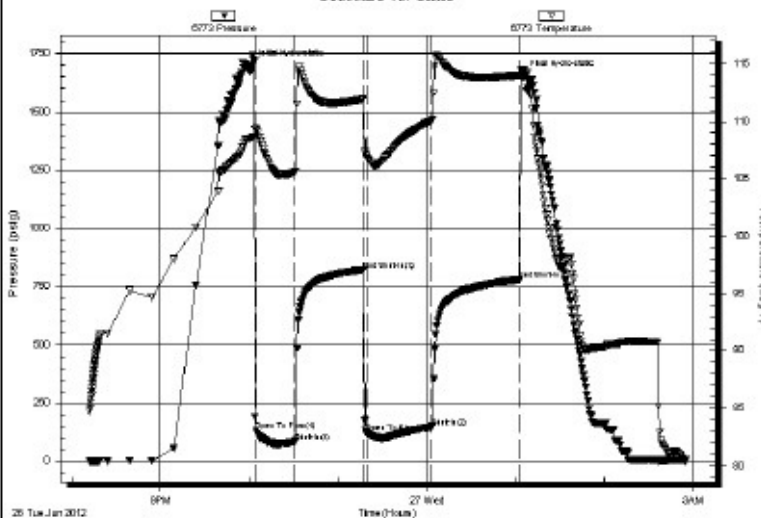
Start Time: 20:12:05 End Time: 02:54:44

Time On Btn: 2012.06.26 @ 22:01:30

Time Off Btn: 2012.06.27 @ 01:04:45

TEST COMMENT: IF: Strong blow BOB 30 sec GTS 3 min { see gas flow report }
IS: Weak blow back 2"
FF: Strong blow BOB 2 sec { see gas flow report }
FS: Strong blow Back BOB 12 min

Pressure vs. Time



PRESSURE SUMMARY

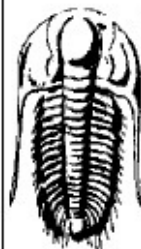
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1699.74	108.55	Initial Hydro-static
3	133.17	109.41	Open To Flow (1)
29	85.70	105.61	Shut-In(1)
76	821.59	111.92	End Shut-In(1)
78	126.16	106.96	Open To Flow (2)
122	148.78	110.06	Shut-In(2)
181	780.08	113.99	End Shut-In(2)
184	1656.49	114.49	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	3481 GIP	0.00
200.00	Clean Oil 100%	2.81
120.00	G,O,W,M 10%gas 10% oil 30% water 50%	1.68 rd

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.50	6.00	137.61
Last Gas Rate	0.25	8.00	35.54
Max. Gas Rate	0.75	15.00	459.22



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Hutchinson Oil Corp

24-235-13w

Po Box 521
Derby KS 67037

Schlochtermeier#2-24

ATTN: Steve Hutchinson/ Jo

Job Ticket: 47559 DST#: 2

Test Start: 2012.06.27 @ 12:07:58

GENERAL INFORMATION:

Formation: Lansing H-I
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 13:36:28
Time Test Ended: 18:15:13

Test Type: Conventional Bottom Hole (Reset)
Tester: Chris Staats
Unit No: 47

Interval: 3560.00 ft (KB) To 3595.00 ft (KB) (TVD)
Total Depth: 3595.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1885.00 ft (KB)
1878.00 ft (CF)
KB to GRVCF: 7.00 ft

Serial #: 6773

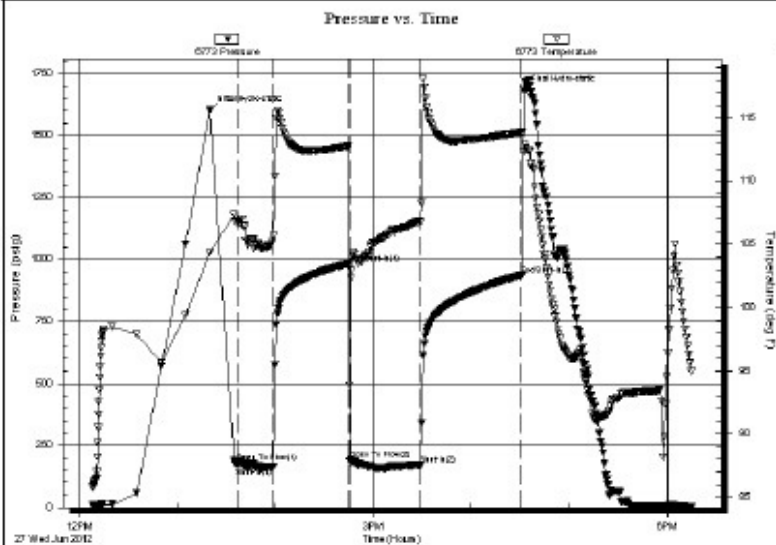
Outside

Press@RunDepth: 172.00 psig @ 3561.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.06.27 End Date: 2012.06.27 Last Calib.: 2012.06.27
 Start Time: 12:08:03 End Time: 18:15:12 Time On Btm: 2012.06.27 @ 13:19:58
 Time Off Btm: 2012.06.27 @ 16:31:58

TEST COMMENT: IF: Strong blow BOB 10 sec GTS 1 min { see gas flow report }
 IST: Weak blow back 1"
 FF: Strong blow BOB 2 sec
 FST: Strong blow back BOB



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1601.36	104.33	Initial Hydro-static
17	181.86	106.88	Open To Flow (1)
38	162.54	105.27	Shut-In(1)
85	985.91	112.79	End Shut-In(1)
86	196.29	102.31	Open To Flow (2)
129	172.00	106.79	Shut-In(2)
191	936.90	113.85	End Shut-In(2)
192	1681.04	112.30	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	3542 GIP	0.00
20.00	Clean oil	0.28
90.00	W,O,M,G 5% w ater 15%oil 30% mud50%	1.26

* Recovery from multiple tests

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	1.00	9.00	672.72
Last Gas Rate	0.75	13.00	427.98
Max. Gas Rate	0.75	16.00	474.84



DRILL STEM TEST REPORT

Hutchinson Oil Corp

24-23s-13w

Po Box 521
 Derby KS 67037

Schlochtermeyer#2-24

Job Ticket: 47560 DST#: 3

ATTN: Steve Hutchinson/ Jo

Test Start: 2012.06.28 @ 01:19:00

GENERAL INFORMATION:

Formation: **Lansing J-K**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 02:54:00
 Time Test Ended: 07:27:00

Test Type: Conventional Bottom Hole (Reset)
 Tester: Chris Staats
 Unit No: 47

Interval: 3595.00 ft (KB) To 3643.00 ft (KB) (TVD)
 Total Depth: 3643.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1885.00 ft (KB)
 1878.00 ft (CF)
 KB to GR/CF: 7.00 ft

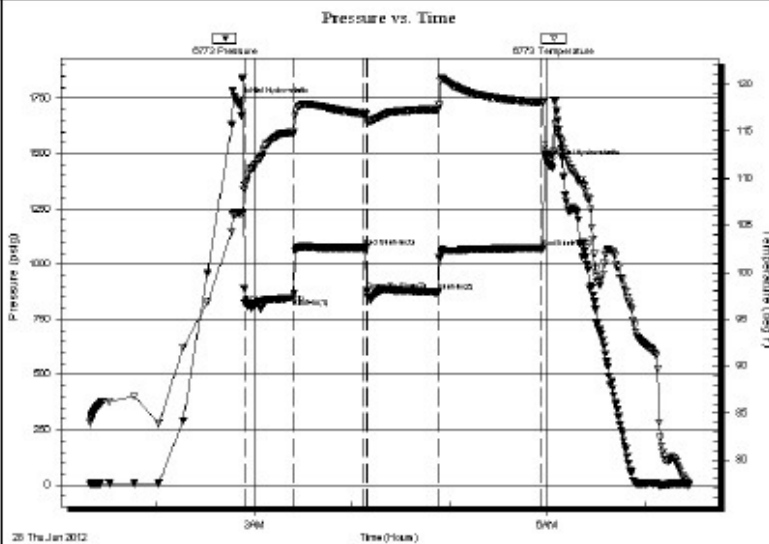
Serial #: 6773

Outside

Press@RunDepth: 873.49 psig @ 3596.00 ft (KB)
 Start Date: 2012.06.28 End Date: 2012.06.28
 Start Time: 01:19:05 End Time: 07:26:59

Capacity: 8000.00 psig
 Last Calib.: 2012.06.28
 Time On Btm: 2012.06.28 @ 02:49:30
 Time Off Btm: 2012.06.28 @ 06:00:45

TEST COMMENT: IF: Strong blow BOB 10 sec GTS 1 min {see gas flow report}
 IS: Weak blow back 4"
 FF: Strong blow BOB 2 sec { see gas flow report }
 FS: Fair blow back 5"



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1730.50	106.23	Initial Hydro-static
5	822.88	109.28	Open To Flow (1)
34	847.42	114.87	Shut-In(1)
78	1074.65	116.86	End Shut-In(1)
80	881.42	116.12	Open To Flow (2)
123	873.49	117.35	Shut-In(2)
187	1072.06	118.06	End Shut-In(2)
192	1449.54	112.55	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	3605' GIP	0.00
62.00	G,M,W 20%gas 40%mud 40%water with 0.87 p	

* Recovery from multiple tests

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	1.00	130.00	4151.33
Last Gas Rate	1.00	150.00	4726.31
Max. Gas Rate	1.00	150.00	4726.31



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Hutchinson Oil Corp

24-23s-13w

Po Box 521
 Derby KS 67037

Schlochtermeyer#2-24

Job Ticket: 47561 DST#: 4

ATTN: Steve Hutchinson/ Jo

Test Start: 2012.06.28 @ 23:09:10

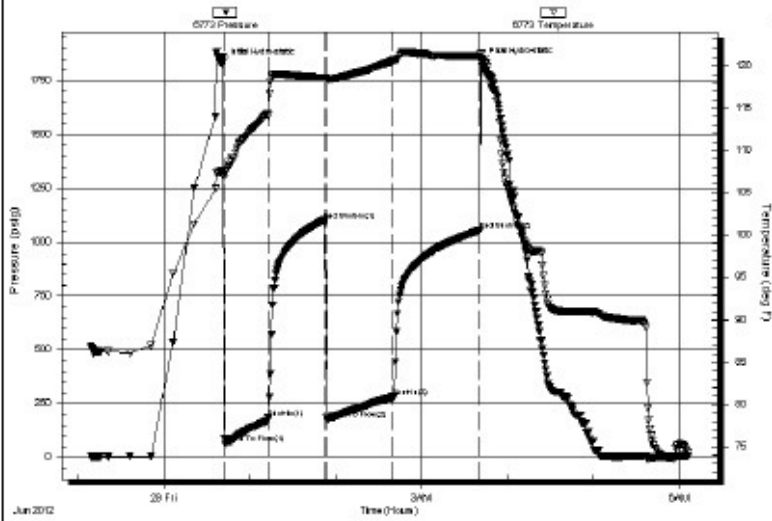
GENERAL INFORMATION:

Formation: Viola
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 00:42:40
 Time Test Ended: 06:05:55
 Interval: 3730.00 ft (KB) To 3810.00 ft (KB) (TVD)
 Total Depth: 3810.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Chris Staats
 Unit No: 47
 Reference Elevations: 1885.00 ft (KB)
 1878.00 ft (CF)
 KB to GR/CF: 7.00 ft

Serial #: 6773 Outside
 Press@RunDepth: 283.35 psig @ 3731.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.06.28 End Date: 2012.06.29 Last Calib.: 2012.06.29
 Start Time: 23:09:15 End Time: 06:05:54 Time On Btn: 2012.06.29 @ 00:40:40
 Time Off Btn: 2012.06.29 @ 03:41:55

TEST COMMENT: IF: Strong blow BOB 1 min
 IS: Fair blow back 5"
 FF: Strong blow BOB 2 min
 FS: Fair blow back 5"

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1828.48	107.58	Initial Hydro-static
2	65.80	107.44	Open To Flow (1)
33	186.19	114.05	Shut-In(1)
71	1101.19	118.57	End Shut-In(1)
73	180.00	118.32	Open To Flow (2)
119	283.35	120.56	Shut-In(2)
180	1055.03	121.14	End Shut-In(2)
182	1835.19	120.82	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	2540' GIP	0.00
240.00	M,W 10% w ater 90% mud	3.37
240.00	W,O,G 20% w ater 30%oil 50%gas	3.37
240.00	O,W 10%oil 90%w ater	3.37

* Recovery from multiple tests

Gas Rates

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

ROCK TYPES

Cht	Lmst fw7>	shale, gry	Ss
Dolsec	shale, grn	Carbon Sh	

ACCESSORIES

MINERAL

- ∟ Dolomitic
- △ Chert White
- Mc Mica

FOSSIL

- F Fossils < 20%
- ⊕ Oomoldic

STRINGER

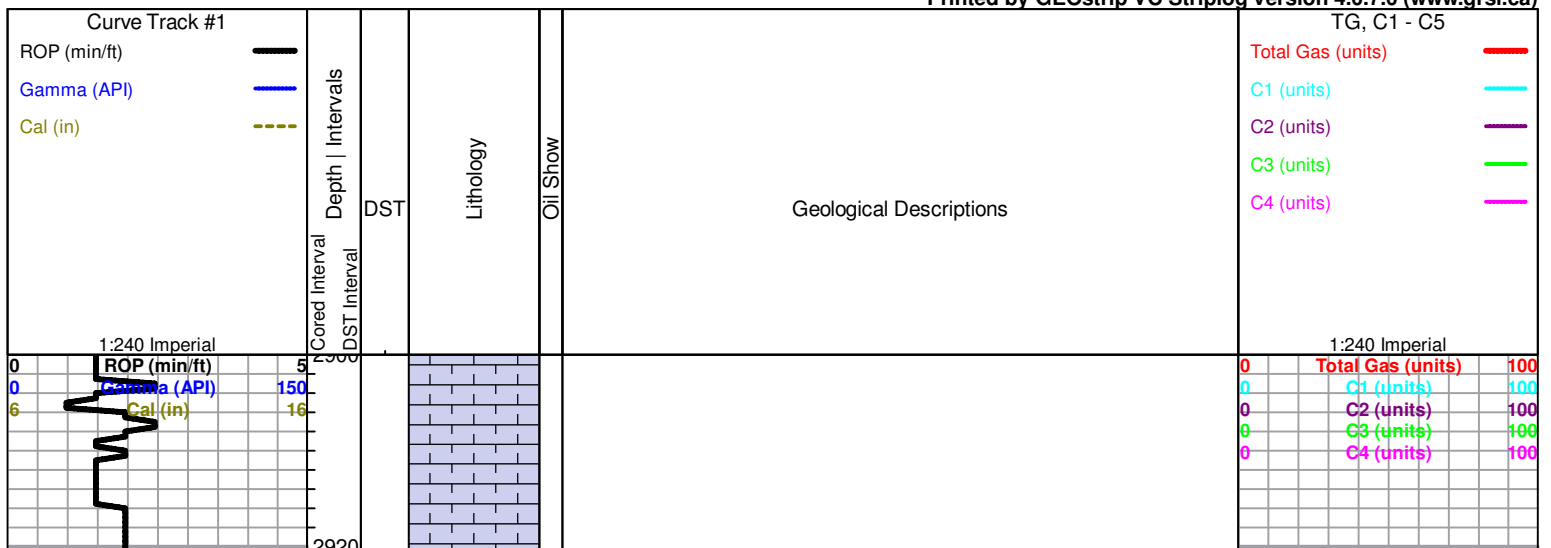
- ▨ Dolomite

OTHER SYMBOLS

DST

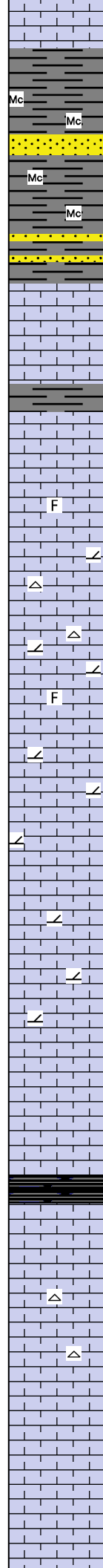
- DST Int
- DST alt
- Core
- tail pipe

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2920
2940
2960
2980
3000
3020
3040
3060
3080
3100
3120
3140

0 AP (min/ft) 5
0 Gamma (API) 150
6 Cal (in) 16



SEVERY 2927 (-1042)

Sand; greyish green, very fine grained, dense, poorly developed porosity, micaceous, questionable trace gas bubble, dull grey fluorescence, no odor

plus Shale; grey-dark grey, soft, micaceous

TOPEKA 2960 (-1075)

Limestone; tan-grey, fine xln, slightly fossiliferous, poor visible porosity, dense, no shows, plus grey boney Chert

Limestone; lt. grey-buff, fine-medium xln, fossiliferous, chalky, fossil cast type porosity, no shows

trace lt. grey Chert

Limestone; as above

Limestone; tan-buff-lt. grey, fine xln, slightly sucrosic, dolomitic in part, few scattered porosity, no shows

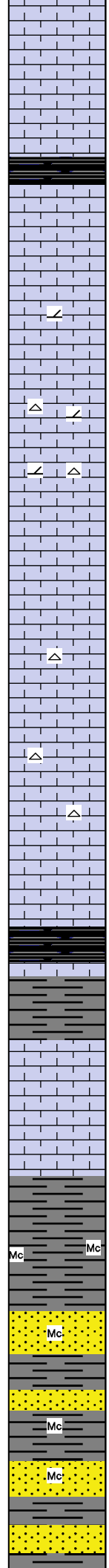
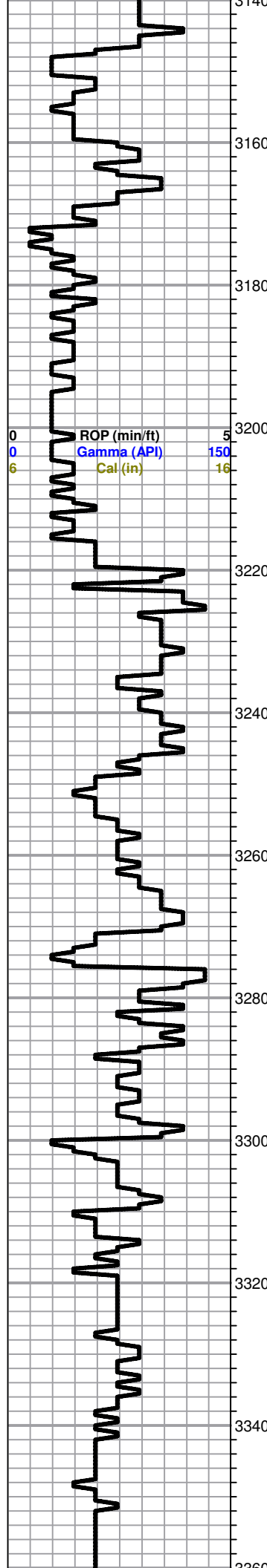
Limestone; lt. grey-buff, fine-medium xln, chalky, slightly fossiliferous, fair porosity, no shows

black carboniferous shale

Limestone; cream-lt. grey, fine xln, slightly fossiliferous-oolitic, chalky, scattered porosity, plus grey boney Chert

Limestone; as above

0	Total Gas (units)	100
0	C1 (units)	100
0	C2 (units)	100
0	C3 (units)	100
0	C4 (units)	100



Limestone; cream-tan, fine xln, chalky, dense, fossiliferous, no shows

black carboniferous shale

Limestone; cream-buff, fine-medium xln, fossiliferous, chalky, scattered inter xln-fossil cast type porosity, no shows

Limestone; as above, plus lt. grey, boney Chert

Limestone; grey-tan, fine xln, dense, slightly fossiliferous, no visible porosity, cherty in part

Limestone; as above, trace grey-buff boney Chert

HEEBNER 3269 (-1384)

Black Carboniferous Shale

grey-green; Shale

TORONTO 3287 (-1402)

Limestone; white-cream, fine xln, chalky

DOUGLAS 3305 (-1420)

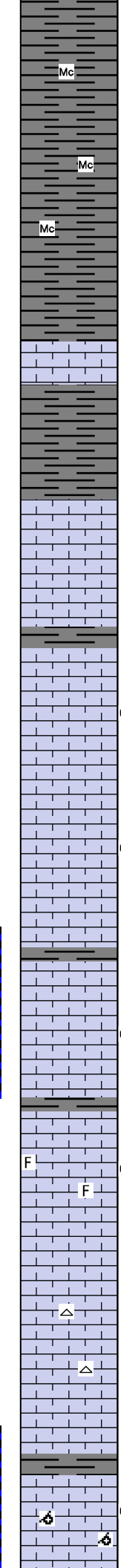
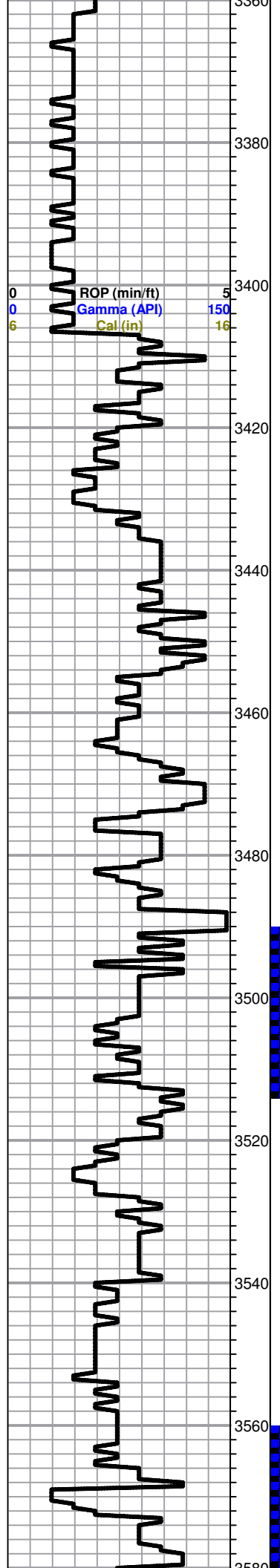
Shale; grey-green-maroon, soft, silty in part, slightly micaceous

Shale; grey-bluish green, soft, silty in part, micaceous

Plus Sand; grey-greyish green, very fine grained, micaceous, poorly developed porosity, dense, no shows

0	Total Gas (units)	100
0	C1 (units)	100
0	C2 (units)	100
0	C3 (units)	100
0	C4 (units)	100

KB 1885



Shale and Sand as above

Shale; grey-dark grey, greyish green, soft, micaceous

BROWN LIME 3407 (-1522)

Limestone; tan-brown-buff, fine xln, dense, cherty, slightly fossiliferous

grey-greyish green shale

LANSING 3430 (-1545)

Limestone; cream-grey, fine xln, chalky, fossiliferous in part, dense, poor visible porosity, slightly cherty, no shows

Limestone; cream, fine xln, chalky in part, dense, slightly fossiliferous, few inter xln type porosity, brown-golden brown stain, trace free oil, faint odor

Limestone; white-cream, fine xln, chalky, dense, poorly developed porosity, sparry calcite, black-grey stain, NSFO, no odor

Limestone; buff-grey, fine xln, dense, cherty, poor visible porosity, no shows

Limestone; tan, fine-medium xln, chalky, inter xln porosity, brown spotty stain, spotty SFO, faint odor, trace gas bubbles

Limestone; cream, oolitic-fossiliferous, chalky, scattered fossil cast-oolitic type porosity, black-dark brown stain, NSFO, no odor

Limestone; cream-grey, fine xln, chalky, slightly oolitic, dense, cherty, poor visible porosity, no shows

plus white-lt. grey boney Chert

dark grey-black shale

Limestone; cream-buff, fine xln, dense, fair-good oomoldic porosity, golden brown stain, spotty clear SFO, very faint odor

DST #1 3490-3513
30-45-45-60

Blow; BOB in 30 sec
GTS in 3 min
2" blow back
Final; BOB
immediately, GTS in
30 sec
BOB blow back

Gas Rate information

Min	Choke	Mcf/d
10	.50	137.61
20		130.87
30		117.38
final		
5	.75	459.22
15	.50	117.38
25	.25	33.95
35		35.54
45		35.54

Recovery;
200' clean oil
120' GOWM
(10%g 10%o 30%w
50%m)

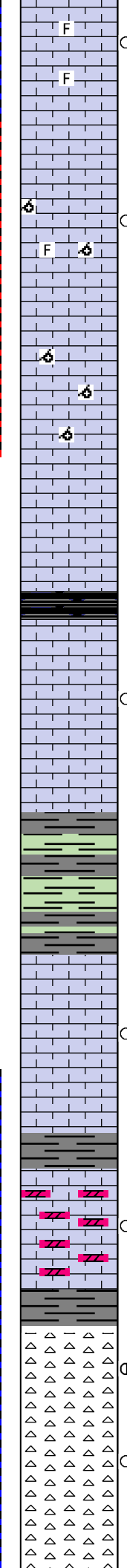
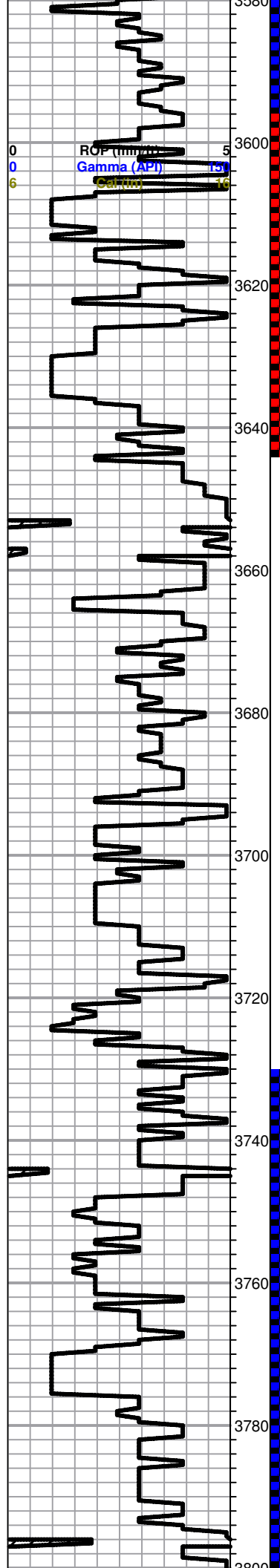
Pressure;
ISIP 821
FSIP 780
IFP 133-85
FFP 126-148
HSH 1699-1656

DST #2 3560-3595
30-45-45-60

Blow; BOB in 10 sec
GTS in 1 min
1" blow back
Final; BOB 2 sec,
GTS in 30 sec
BOB blow back

Gas Rate information

Min	Choke	Mcf/d
10	1.00	672.72
20		615.22
30		586.48
final		
5	1.00	730.22
15		845.22
30	.75	474.84
45		427.98



Limestone; cream, highly fossiliferous/oolitic, good fossil cast porosity, golden brown stain, trace free oil, faint odor

Limestone; cream-grey, oomoldic, oolitic, fossil cast-oomoldic type porosity, brown stain, SFO, faint odor

Limestone; cream, oomoldic, chalky in part, fair-good oomoldic porosity, brown stain, slight SFO, few gas bubbles

Limestone; cream-buff-grey, fine xln, dense, cherty in part, poor visible porosity, no shows

black carboniferous shale

Limestone; cream-tan, fine xln, dense, chalky in part, slightly fossiliferous, trace black stain, NSFO, no odor

BASE KANSAS CITY 3696 (-1811)

Shale; grey-green, soft

MARMATON 3716 (-1831)

Limestone; cream-white, fine-medium xln, slightly granular in part, cherty, trace black stain, questionable trace free oil, no odor

grey shale

Dolomite; tan-buff, fine-medium xln, fair inter xln porosity, brown stain, spotty SFO, faint odor

VIOLA 3766 (-1881)

Chert; white-cream, semi tripolitic in a part, few weathered pieces, trace dolomite; tan-cream, cherty, brown stain, SFO, faint gassy odor

Chert; cream-white-yellow, semi tripolitic, honey black edge staining, trace free oil

Recovery;
20' clean oil
90' WGMO
(5%w 15%o 30%m
50%g)

Pressure;
ISIP 986
FSIP 936
IFP 181-162
FFP 196-172
HSH 1601-1681

DST #3 3595-3643
30-45-45-60

Blow; BOB in 10 sec
GTS in 1 min
4" blow back
Final; BOB 2 sec,
GTS in 30 sec
5" blow back

Gas Rate information

Min	Choke	Mcf/d
5	1.00	4151.33
15		4582.56
30		4582.56
final		
1	1.00	3288.86
15		4726.31
30		4726.31
45		4726.31

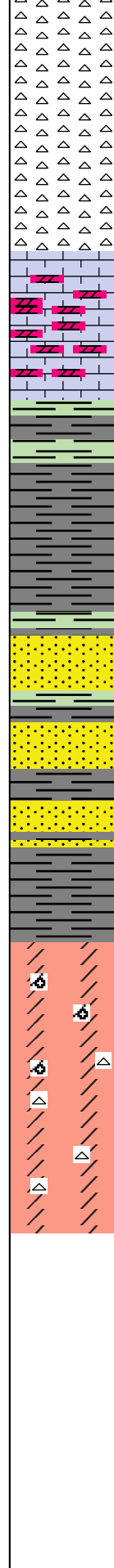
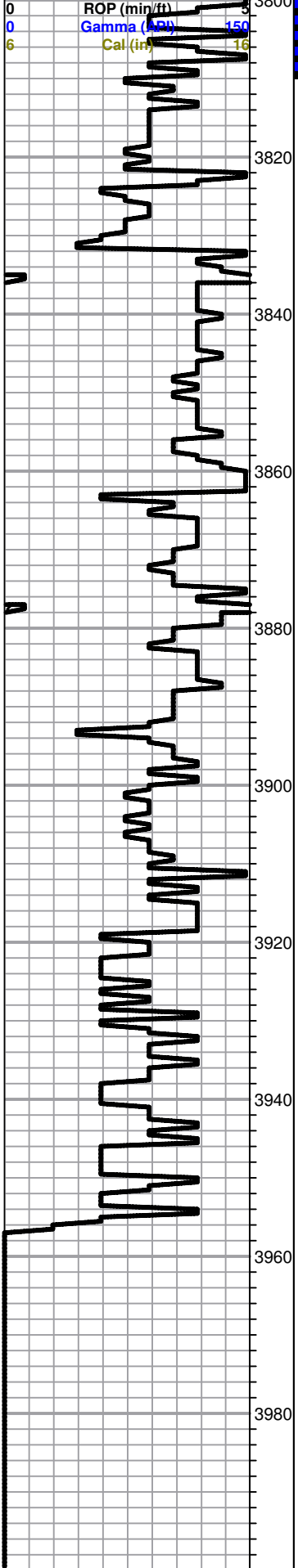
Recovery;
62' GMW w/ oil spots
(20%g 40%w 40%m)

Pressure;
ISIP 1074
FSIP 1072
IFP 822-847
FFP 881-873
HSH 1730-1449

DST #4 3730-3810
30-45-45-60

Blow; BOB in 1 min
5" blow back
Final; BOB in 2 min
5" blow back

Recovery;
2540' GIP
240' MW
(10%w 90%m)
240' WOG
(50%g 30%o 20%w)



boney, black edge staining, trace free oil, very faint odor

Chert; cream-lt. grey, boney, semi tripolitic in part

Chert; as above

Limestone; cream, fine xln, sucrosic, dolomitic in part, no shows

SIMPSON SHALE 3853 (-1968)

Shale; grey-green, waxey

Shale; variety of colors, soft/gummy, few silty pieces

SIMPSON SAND 3880 (-1995)

Sand; clear-grey, very fine grained, sub angular, sub rounded, friable, black stain, slight spotty SFO, faint-fair odor when broke open

Sand and Shale as above

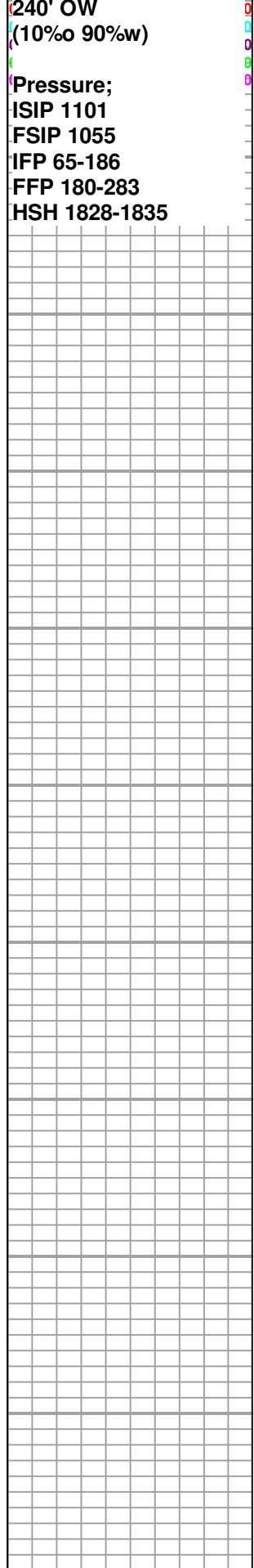
ARBUCKLE 3918 (-2033)

Dolomite; pink-cream-lt. grey, fine xln, dense, slightly sucrosic in part, cherty, poor visible porosity, trace black stain, NSFO, no odor

Dolomite; as above, scattered oomoldic type porosity, (barren)

Dolomite; pinkish grey-cream, fine xln, dense, cherty, poor visible porosity, no shows

ROTARY TOTAL DEPTH 3956 (-2071)



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

September 12, 2012

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

Re: ACO1
API 15-185-23755-00-00
Schlochtermeyer 2-24
SE/4 Sec.24-23S-13W
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 (2) years.

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

Respectfully,
Steve Hutchinson
316-788-5440