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JUL 07 2010

KCC WICHITA

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1
June 2009

Form Must Be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 32016
Name: Pioneer Resources
Address 1: 80 Windmill Dr.
Address 2: _____
City: Phillipsburg State: KS Zip: 67661 + _____
Contact Person: Rodger Wells
Phone: (785) 543-5556
CONTRACTOR: License # 30608
Name: Murfin Drilling Co. Inc.
Wellsite Geologist: Steven Murphy
Purchaser: Coffeyville Reaources

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
 Conv. to GSW
 Plug Back: _____ Plug Back Total Depth
 Commingled Permit #: _____
 Dual Completion Permit #: _____
 SWD Permit #: _____
 ENHR Permit #: _____
 GSW Permit #: _____

3-30-10 4-10-10 4-27-10
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 063-21831-00-00

Spot Description: _____

NW NW NW Sec. 6 Twp. 14 S. R. 31 East West

330 Feet from North / South Line of Section

330 Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: Gove

Lease Name: Hibbert Well #: 1

Field Name: Maurice Northeast

Producing Formation: LKC

Elevation: Ground: 2929 Kelly Bushing: 2939

Total Depth: 4650 Plug Back Total Depth: 4650

Amount of Surface Pipe Set and Cemented at: 220' Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: 2415 Feet

If Alternate II completion, cement circulated from: 2415

feet depth to: surface w/ 175 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 #: _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

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.

Signature: Rodger J. Wells

Title: Owner Date: 6-28-10

KCC Office Use ONLY

- Letter of Confidentiality Received
Date: _____
 Confidential Release Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution
ALT I II III Approved by: DJG Date: 7/8/10

Operator Name: Pioneer Resources Lease Name: Hibbert Well #: 1
 Sec. 6 Twp. 14 S. R. 31 East West County: Gove

INSTRUCTIONS: Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken Yes No
 (Attach Additional Sheets)
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No
 Electric Log Run Yes No
 Electric Log Submitted Electronically Yes No
 (If no, Submit Copy)

Log Formation (Top), Depth and Datum Sample
 Name Top Datum

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List All E. Logs Run:
 GR CCL
 Bond GRN

CASING RECORD <input checked="" 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
Surface	12'	8 5/8	15.5	220	Common	175	3 % CC; 2% GEL
Prod	8	5 1/2	15	4649	E A-2	175	

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input checked="" type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	2418 Sur	Smo	300	

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4	3999-4005	750 Gal. MA	

TUBING RECORD: Size: <u>2 7/8</u> Set At: <u>4581</u> Packer At: _____		Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Date of First, Resumed Production, SWD or ENHR. <u>May 17, 2010</u>		Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____	
Estimated Production Per 24 Hours	Oil Bbls. <u>67</u>	Gas Mcf <u>220</u>	Water Bbls. Gas-Oil Ratio Gravity <u>32</u>

DISPOSITION OF GAS: <input checked="" type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease (If vented, Submit ACO-18.)	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled (Submit ACO-5) (Submit ACO-4) <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <u>3999-4005</u>
---	--	--

Schippers Oilfield Services LLC
 RR 1 Box 90D
 Hoxie, KS 67740



3
Invoice

Date 3/31/2010
 Invoice # 434

Bill To

Pioneer Resources
 177 W Limestone Rd
 Phillipsburg, KS 67661

Lease/Service

Surface
 Hibbert #1

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Hibbert #1

KCC WICHITA

Service Date 3/29/2010
 Due Date 4/30/2010
 Terms Net 30

Item	Description	Qty	Price	Amount
cement	common	175	14.50	2,537.50T
Gel	Bentonite	4	20.00	80.00T
chloride	calcium	6	52.00	312.00T
handling of materials	per sack	175	1.95	341.25
mileage and labor		25	15.75	393.75
pump truck charge	pumping job	1	950.00	950.00
pumptruck mileage	one way to location	25	6.50	162.50

PP
 4-17-10

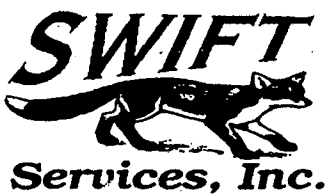
4983.53
 498.35
 \$4485.18

TAKE 10% DISCOUNT IF PAID WITHIN 20 DAYS. DEDUCT FROM TOTAL.

Subtotal \$4,777.00
 Sales Tax (7.05%) \$206.53
 Total \$4,983.53
 Payments/Credits \$0.00
 Balance Due \$4,983.53

Schippers Oilfield Services LLC
 sosllc@ruraltel.net
 FAX: 785.675.9938

Cell: 785.675.8974
 Office: 785.675.9991



CHARGE TO: Pioneer Resources
 ADDRESS: _____
 CITY, STATE, ZIP CODE: _____

TICKET
18445

PAGE 1 OF 2

SERVICE LOCATIONS: 1. Ness City KS
 WELL/PROJECT NO.: _____ LEASE: Hibbert COUNTY/PARISH: Gas Gove STATE: KS CITY: Ness City DATE: 4-9-10 OWNER: _____
 2. TICKET TYPE: SERVICE SALES CONTRACTOR: Murfin Drlg Co. RIG NAME/NO.: 14 SHIPPED VIA: _____ DELIVERED TO: Oakley S/E ORDER NO.: _____
 3. WELL TYPE: Oil WELL CATEGORY: Development JOB PURPOSE: Two-Stage 5 1/2" WELL PERMIT NO.: _____ WELL LOCATION: Oakley 16S, 2E 2N, E into
 4. REFERRAL LOCATION: _____ INVOICE INSTRUCTIONS: _____

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575		1			MILEAGE Trk #114	70	mi			5 ⁰⁰	350 ⁰⁰
579		1			Pump Charge Two-Stage	1	ec			1750 ⁰⁰	1750 ⁰⁰
221		1			Liquid KCL	4	gal			25 ⁰⁰	100 ⁰⁰
281	RECEIVED	1			Mud flush	500	gal			1 ⁰⁰	500 ⁰⁰
402	JUL 07 2010	1			Centralizer	12	ec	5 1/2"	"	55 ⁰⁰	660 ⁰⁰
403	KCC WICHITA	1			Cement Basket	3	ec	5 1/2"	"	200 ⁰⁰	600 ⁰⁰
407		1			Insert Float Shoe w/Auto Fill	1	ec	5 1/2"	"	275 ⁰⁰	275 ⁰⁰
408		1			D.V. Tool + Plug Set	1	ec	5 1/2"	"	2600 ⁰⁰	2600 ⁰⁰
411		1			Recipo Scratcher	50	ec	5 1/2"	"	45 ⁰⁰	2250 ⁰⁰
417		1			D/Latch Down Plug + Baffle	1	ec	5 1/2"	"	200 ⁰⁰	200 ⁰⁰

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY provisions.
 MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS
 DATE SIGNED: 4-9-10 TIME SIGNED: 1330
 SWIFT OPERATOR: Brett Corsair

REMIT PAYMENT TO:
 SWIFT SERVICES, INC.
 P.O. BOX 466
 NESS CITY, KS 67560
 785-798-2300

SURVEY

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?	AGREE	UN-DECIDED	DIS-AGREE
WE UNDERSTOOD AND MET YOUR NEEDS?			
OUR SERVICE WAS PERFORMED WITHOUT DELAY?			
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?			
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND			

PAGE TOTAL 1	9285	00
Page # 2	10133	25
sub total	19,418	25
TAX	1050	09
Gate 7.05%		
TOTAL	20,474	34



PO Box 466
Ness City, KS 67560
Off: 785-798-2300

TICKET CONTINUATION

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TICKET No. 18445

CUSTOMER Pioneer Resources KCC Wichita
WELL #1
DATE 4-9-10 PAGE 2 OF 2

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF			QTY	U/M	QTY	U/M		
325		1				Standard Cement EA-2	175	sk			12.00	2100.00
330		1				Swift Multi-Density Stack	300	sk			15.00	4500.00
276		1				Flocele	120	lb			1.50	180.00
283		1				Salt	900	lb			0.15	135.00
284		1				Calseal	8	sk			30.00	240.00
285		1				CFR-1	125	lb			4.00	500.00
290		1				D-Air	4	gal			35.00	140.00
581		1				SERVICE CHARGE					1.50	712.50
583		1				MILEAGE CHARGE					1.00	1625.75
						TOTAL WEIGHT	46450					
						LOADED MILES	70					
						CUBIC FEET	475					
						TON MILES	1625.75					

CONTINUATION TOTAL 10133.25

JOB LOG

SWIFT Services, Inc.

DATE 4-9-10 PAGE NO. 1

CUSTOMER		WELL NO.		LEASE		JOB TYPE		TICKET NO.	
Pioneer Resources		1		Hibbert		Cement Two-Stage		18445	
CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS	
				T	C	TUBING	CASING		
	1300								On Location
									TD- 4650' Cent. 1,3,5,8,9,10,11,13,14,15,18
									TP- 4652' 52
									PS- 4649' Basket 7,20, 53
									SJ- 31' D.V. Tool #53 2415
									5K15.5#
	1500								Start 5K Casing
	1715								Break Circulation
	1845	6 3/4	32	✓		200			Pump 500 gal Mud Flush 20661 KCL Flush
	1850	4 1/2		✓		200			Start Cement 175 sks EA-2 @ 15.5 ppq
	1910		42						Shut Down Release Bottom Plug - wash Pump lines
	1915	6 3/4		✓		200			Start Displacement
		6 1/2	52.5			200			Switch to Mud
		6 1/2	83			400			Lift Cement
						750			Max Lift
	1930		109.9			1500			Land Plug - Release - Held
	1930								Drop Bomb - Let Fall - Wash Truck
	1945			✓		1100			Open D.V. Tool Good Circulation
									Circulate
	2145	3	7	✓					Plug Rat Hole 30 sks SMD
	2150	3	5	✓					Plug Mouse Hole 20 sks SMD
	2155	6	20	✓		200			Pump 20661 KCL Flush
	2200	5		✓					Start Cement 250 sks @ 11.2 ppq
	2235		138						Shut Down - Release Plug
	2235	6 3/4		✓		200			Start Displacement
		6	46.9	✓		500			Cement to Surface
									20 sks circulated top it
	2245		57.4			1750			Land Plug - Close D.V.
									Wash truck
									Job Complete
									Thank you
									Brett, Dave Jason + Jeff

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HEADER

WellSight Systems

Scale 1:240 (5"=100') Imperial
Measured Depth Log

Well Name: Hibbert #1
Location: Logan County
License Number: API 15-063-21831-00-00
Spud Date: 3/29/2010
Surface Coordinates: 330' FNL & 330' FWL (Approx. NW NW NW)
Bottom Hole Coordinates: Same as above
Ground Elevation (ft): 2929' K.B. Elevation (ft): 2939'
Logged Interval (ft): 3625' To: TD Total Depth (ft): RTD - 4650' LTD - 4651'
Formation: Wabaunsee to Mississippian
Type of Drilling Fluid: Chemical (Mudco)

Region: Kansas

Drilling Completed: 4/9/2010

Section 6 - Township 14 South - Range 31 West

Same as above

Coordinates:

Ground Elevation (ft):

2929'

K.B. Elevation (ft):

2939'

Logged Interval (ft):

3625'

To: TD

Total Depth (ft):

RTD - 4650'

LTD - 4651'

Formation:

Wabaunsee to Mississippian

Type of Drilling Fluid:

Chemical (Mudco)

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

OPERATOR

Company: Pioneer Resources
Address: 80 Windmill Drive
Phillipsburg, Kansas 67661-9622

GEOLOGIST

Name: Steven P. Murphy, PG (KS License #228)
Company: Consulting Petroleum Geologist
Address: 3365 County Road 390
Otis, KS 67565

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DRILL STEM TESTS

Drill stem testing was performed by Chuck Smith with Trilobite Testing, Inc. from the Scott City, KS shop.

DST #1: 3948-3974

30:30:30:60

IF: Bottom of bucket in 18 min

IS: No blow back

FF: Bottom of bucket in 19 min

FS: Surface blow, died in 20 min

Recovery: 590' Muddy water (95% Water, 5% Mud), 90' Muddy water (75% Water, 25% Mud)

IHP: 2029

IFP: 25-246

ISIP: 1198

FFP: 253-341

FSIP: 1205

FHP: 1964

BHT: 119 F

Chlorides: 60,000 ppm (Rw - 0.158 @ 53F)

DST #2: 3980-4010

30:45:30:60

IF: Bottom of bucket 1min

IS: 8" return, dropped to 2"

FF: Bottom of bucket in 1.5 min

FS: 3" return, died in 26 min

Recovery: 345' GCMO (35% Gas, 60% Oil, 5% Mud), Estimated 2165' Gsy SMCO (Circulated out into swab tank - 40% Gas, 55% Oil, 5% Mud), 90' OCM (5% Oil, 95% Mud)

Oil Gravity - 32

BHT - 120

DST #3 (4026-4040)

30:45:30:60

IF: Bottom of bucket in 17 min

IS: 2-1/2" return

FF: Bottom of bucket in 18 min

FS: 7" return

Recovery: 210' GIP, 340' GO (20% Gas, 80% Oil), 180' GOMCW (5% Gas, 5% Oil, 85% Water, 5% Mud)

Oil Gravity - 35

IHP: 2020

IFP: 36-140

ISIP: 1234

FFP: 132-224

FSIP: 1238

FHP: 1916

BHT: 120 F

Chlorides: 60,000 ppm (Rw - 0.165@50 F)

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DRILL STEM TESTS (Cont)

DST #4 (4048-4060)

30:45:30:45

IF: Bottom of bucket in 7 min

IS: No return

FF: 9" blow

FS: No return

Recovery: 180' Mud, 510' Oil specked muddy water (10% M, 90% W)

***Note: Packer seeped during first 12 min, reset & held.**

IHP: 2081

IFP: 28-337

ISIP: 1186

FFP: 338-359

FSIP: 1157

FHP: 1997

BHT: 118 F

Chlorides: 55,000 ppm (Rw - 0.170@55 F)

DST #5 (4110-4140)

30:30:30:45

IF: Bottom of bucket in 30 seconds

IS: No return

FF: Bottom of bucket in 23 minutes

FS: No return

Recovery: 800' Mud, 90' Watery Mud (55% M, 45% W)

IHP: 1977

IFP: 289-382

ISIP: 1446

FFP: 394-438

FSIP: 1368

FHP: 1938

BHT: 117 F

Chloride: 21,000 ppm (Rw - 0.255@84 F)

DST #6 (4158-4175)

30:30:30:45

IF: 6" blow

IS: No return

FF: 3" blow

FS: Surface return

Recovery: 70" GIP, 110' GWMCO (5%G, 15% W, 30% M, 50% O), 90' OSWM (50% M, 50% W)

IHP: 2000

IFP: 33-76

ISIP: 890

FFP: 81-103

FSIP: 689

FHP: 1919

BHT: 115 F

Chloride: 15,000 ppm (Rw - 0.650@52 F)

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DRILL STEM TESTS (Cont)

DST #7 (4180-4200)

30:30:30:60

IF: Bottom of bucket in 7 minutes

IS: 2" return

FF: Bottom of bucket in 11 minutes

FS: Bottom of bucket in 15 minutes

Recovery: 865' GIP, 85' GO (50% O, 50% G), 90' GMWCO (10% G, 70% O, 15% W, 5% M), 510' OSMW (90% W, 10% M)

IHP: 2050

IFP: 42-243

ISIP: 655

FFP: 247-316

FSIP: 656

FHP: 1961

BHT: 122 F

Chloride: 95,000 ppm (Rw - 0.125@82 F)

Oil Gravity - 35

DST #8 (4209-4240)

30:30:45:60

IF: 4" blow

IS: No return

FF: 5" blow

FS: No return

Recovery: 480' OSMW (85% W, 15% M)

IHP: 2100

IFP: 19-94

ISIP: 772

FFP: 97-187

FSIP: 777

FHP: 2034

BHT: 119 F

Chloride: 45,000 ppm (Rw - 0.236@58 F)

DST #9 (-4244-4275)

15:30:15:50

IF: Bottom of bucket immediately

IS: 2" return, fell to 1"

FF: Bottom of bucket in 45 seconds

FS: Weak return, died in 5 minutes

Recovery: 126' Gassy Emulsion (5% G, 95% Emulsion), 1609' GMOW emulsion (20% G, 10% O, 70% W), 360' GOCW (20% G, 10% O, 30% W, 40% Emulsion)

IHP: 2046

IFP: 878-825

ISIP: 1099

FFP: 894-948

FSIP: 1076

FHP: 2015

BHT: 123 F

Chlorides: 40,000 ppm (Rw - 0.241@51 F)

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DRILL STEM TESTS (Cont)

DST #10 (4438-4475)

30:30:30:30

IF: 5" blow

IS: No return

FF: 8" blow

FS: No return

Recovery: 20' OCMW (5% O, 50% W, 45% M), 180' OSMW (50% W, 50% M)

IHP: 2260

IFP: 18-71

ISIP: 356

FFP: 75-116

FSIP: 354

FHP: 2185

BHT: 118 F

Chlorides: 30,000 ppm (Rw -).335@50 F

DST #11 (4533-4550)

15:30:15:30

IF: 5" blow

IS: No return

FF: 4" blow

FS: No return

Recovery: 20' OSMW (60% W, 40% M), 540' MW (95% W, 5% M)

IHP: 2279

IFP: 93-250

ISIP: 274

FFP: 250-272

FSIP: 244

FHP: 2238

BHT: 126 F

Chlorides: 45,000 ppm (Rw - 0.162@71 F)

Formation Tops (Datum)

The following formation tops were picked from the log:

Anhydrite Top: 2414 (+525)

Heebner: 3920 (-981)

Lansing: 3962 (-1023)

Stark: 4209 (-1270)

Base KC: 4288 (-1449)

Pawnee: 4412 (-1473)

Ft. Scott: 4471 (-1532)

Cherokee: 4498 (-1559)

Johnson Zone: 4542 (-1603)

Mississippian: 4602 (-1665)

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Comments

Murfin Rig #14 moved in and rigged up on March 29, 2010. 8 5/8" surface casing was set @ 220' w/175 sacks of common cement w/2% gel & 3% calcium chloride.




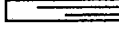
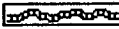
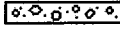

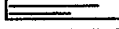
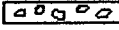
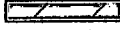
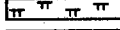
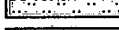
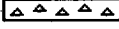
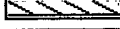

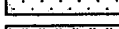
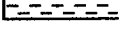

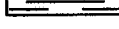
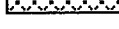
Based on the results of DST #2, 5-1/2" casing was set 1' off bottom w/175 sx of EA2, with the DV tool set @ 2418' (upper section cemented w/300 sx SMD).

It is recommended that the LKC "C" zone be perforated @ 3999-4002.

Respectfully submitted,

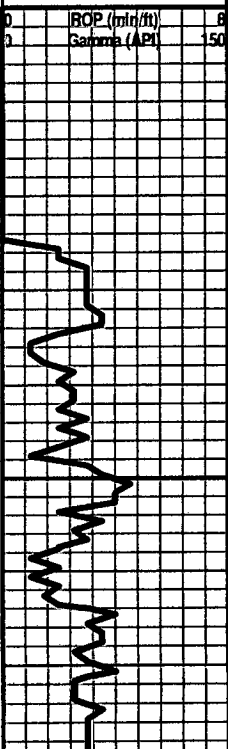
Steven P. Murphy, PG
Licensed Consulting Petroleum Geologist (#228)

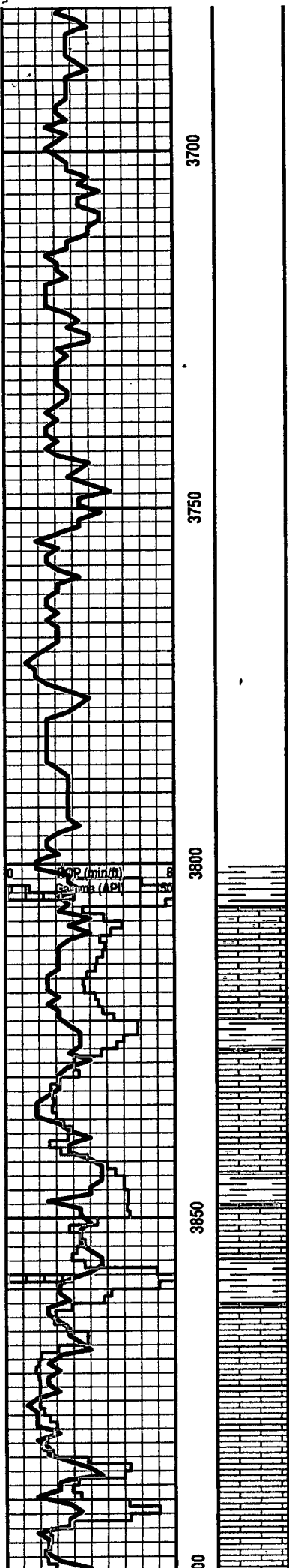
ROCK TYPES

 Anhy	 Coal	 Lmst	 Shcol
 Bent	 Congl	 Meta	 Shgy
 Brec	 Dol	 Mrlst	 Sltst
 Cht	 Gyp	 Salt	 Ss
 Clyst	 Igne	 Shale	 Till

OTHER SYMBOLS

OIL SHOW	 Dead	INTERVAL	EVENT
 Even	 Gas	 Core	 Conn
 Spotted		 Dst	 Rft
 Ques			 Sidewall

Curve Track 1 ROP (min/ft) ——— Gamma (API) ———	Depth	Lithology	Oil Shows	Geological Descriptions	REMARKS
	3600 3650				<p align="center">RECEIVED JUL 07 2010 KCC WICHITA</p>



SH: blk

LS: crm-tan, fxdn, foss, chalky, NS

LS: wht, microxtln, rextlzd, chalky, loc silcd to cht (wht, fossl). v poor vis por. NS

SH: rust-grn-gry

SH: blk-gry

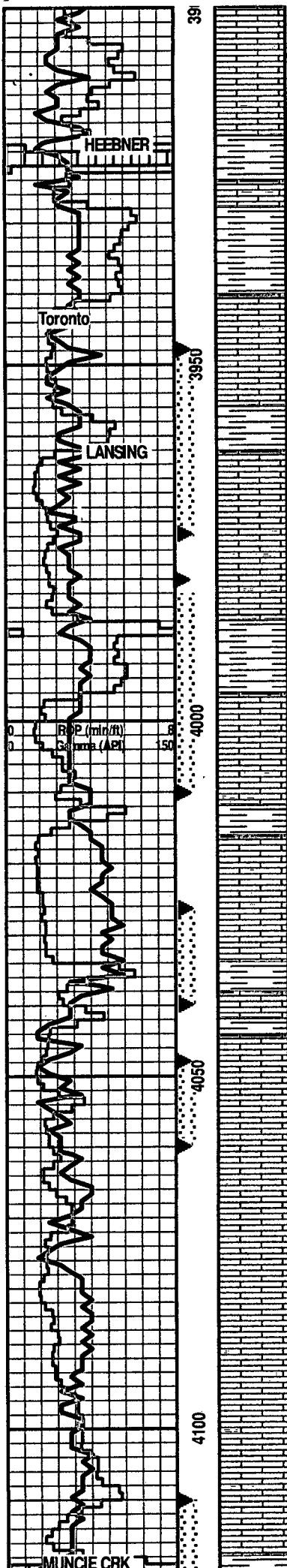
LS: crm-gry, fxdn, chalky, dense, NS

LS: wht-crm, fxdn, foss, chalky, mostly dense, NS

LS: as above w/abund chert

LS: tan-brn, fxdn, foss, mottled, chalky, NS

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LS: crm-gry, fxdn, foss, chalky, dense, NS

LS: crm-gry, vfxdn, sl. foss, chalky, dense, NS

SH: blk

SH: grn-gry

LS: crm-gry, vfxdn, sl. foss, chalky, dense, NS

LS: crm-tan-gry, vfxdn, sl. foss, chalky, dense, NS

SH: gry-grn

LS: crm, fxdn, oolitic, pr-fr inxdn/intool por, ssfo, fr stn, fr odor

LS: wht, vfxdn, chalky, dense, NS

SH: red-gry-grn

LS: crm-tan, fxdn, oolic, fr-gd inxdn/vug por, fsfo, sat stn, str odor

SH: gry-grn

LS: wht-crm-gry, fxdn, fr inxdn & vug por, fsfo, sat stn, str odor

LS: wht-crm-gry, fxdn, fr inxdn & vug por, fsfo, sat stn, str odor

LS: wht

LS: wht-crm, fxdn, gd inxdn & vug por, gsfo, sat stn, str odor

SH: grn-gry-rust

LS: crm-tan, fxdn, sl oolic, ssfo, scatt stn, fr inxdn por, fr odor (chalky)

LS: crm-gry, fxdn, chalky, dense, NS

LS: crm-tan, fxdn, mostly dense, minor fr vug por, minor stn, nsfo

LS: crm-gry, vfxdn, dense, chalky, NS

LS: crm-gry, vfxdn, dense, chalky, NS

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DST #1: 3948-3974
30:30:30:60
IF: Bottom of bucket in 18 min
IS: No blow back
FF: Bottom of bucket in 19 min
FS: Surface blow, died in 20 min
Recovery: 590' Muddy water (95% Water, 5% Mud), 90' Muddy water (75% Water, 25% Mud)
IHP: 2029
IFP: 25-246
ISIP: 1198
FFP: 253-341
FSIP: 1205
FHP: 1964
BHT: 119 F
Chlorides: 60,000 ppm (Rw - 0.158 @ 53F)

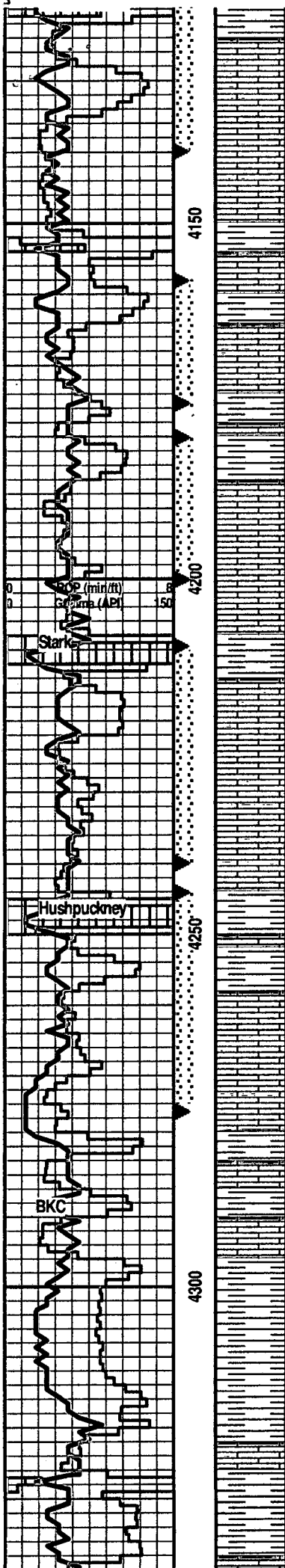
DST #2: 3980-4010
30:45:30:60
IF: Bottom of bucket 1min
IS: 8' return, dropped to 2'
FF: Bottom of bucket in 1.5 min
FS: 3' return, died in 26 min
Recovery: 345' GCMO (35% Gas, 60% Oil, 5% Mud), Estimated 2165' Gsy SMCO (Circulated out into swab tank - 40% Gas, 55% Oil, 5% Mud), 90' OCM (5% Oil, 95% Mud)
Oil Gravity - 32
BHT - 120

DST #3 (4026-4040)
30:45:30:60
IF: Bottom of bucket 17min
IS: 2-1/2' return
FF: Bottom of bucket in 18 min
FS: 7' return
Recovery: 210' GIP, 340' GO (20% Gas, 80% Oil), 180' GOMCW (5% Gas, 5% Oil, 85% Water, 5% Mud)
Oil Gravity - 35
IHP: 2020
IFP: 36-140
ISIP: 1234
FFP: 132-224
FSIP: 1238
FHP: 1916
BHT: 120 F
Chlorides: 60,000 ppm (Rw - 0.165@50 F)

DST #4 (4048-4060)
30:45:30:45
IF: Bottom of bucket 7min
IS: No return
FF: 7' blow
FS: No return
Recovery: 180' Mud, 510' Oil-spotted Muddy Water (90% W, 10% M)
Note - Packer slowly leaked 1st 12 min- reset packer & it held.
IHP: 2081
IFP: 28-337
ISIP: 1186
FFP: 338-359
FSIP: 1157
FHP: 1894
BHT: 118 F
Chlorides: 55,000 ppm (Rw - 0.165@50 F)

*Lost circulation @ 4101' (approx 150 bbls)

DST #5 (4110-4140)
30:30:30:45
IF: Bottom of bucket 30 seconds
IS: No return
FF: Bottom of bucket 23 minutes



SH: blk-grn-gry

LS: crm-tan, fxdn, sl oolic, fr-gd vug por, ssfo, fr stn, gd odor

SH: gry-blk-brn

LS: tan-gry, vfxdn, dense, NS

SH: grn-brn-gry

LS: crm-gry, fxdn, foss, gd inxdn & vug por, fsfo, gd stn, str odor

SH: gry-grn-brn

LS: crm-gry, fxdn, sl foss, gd inxdn & vug por, fsfo, fr stn, s. str odor

SH: blk, carb

LS: crm-gry-brn, vfxdn, dense, NS

LS: crm-gry, fxdn foss, oolic in pt, fsfo, fr stn str odor

LS: crm-gry, fxdn foss, oolic in pt, fsfo, fr stn str odor

SH: blk-gry

LS: crm-gry-brn, fxdn, foss, f-gd inxdn por, fsfo/stn, str odor (much dense LS)

LS: crm-tan-gry, f-mxdn, sl foss, oolic, exc vug & inxdn por, gsfo, bleed oil/gas, sat stn, str odor

SH: gry-grn-brn

LS: tan-gry, vfxdn, dense, NS

SH: gry-grn-brn

LS: tan-gry, vfxdn, dense, NS

SH: red-gry

SH: red-gry

SH: red-gry

LS: crm-gry, vfxdn, dense, NS

SH: gry-grn

FS: no return
 Recovery: 70' GIP, 800' Mud, 90' Watery Mud (45% W, 55% M)
 IHP: 1977
 IFP: 299-382
 ISIP: 1446
 FFP: 394-438
 FSIP: 1368
 FHP: 1938
 BHT: 117 F
 Chlorides: 21,000 ppm (Rw - 0.255 @ 84 F)

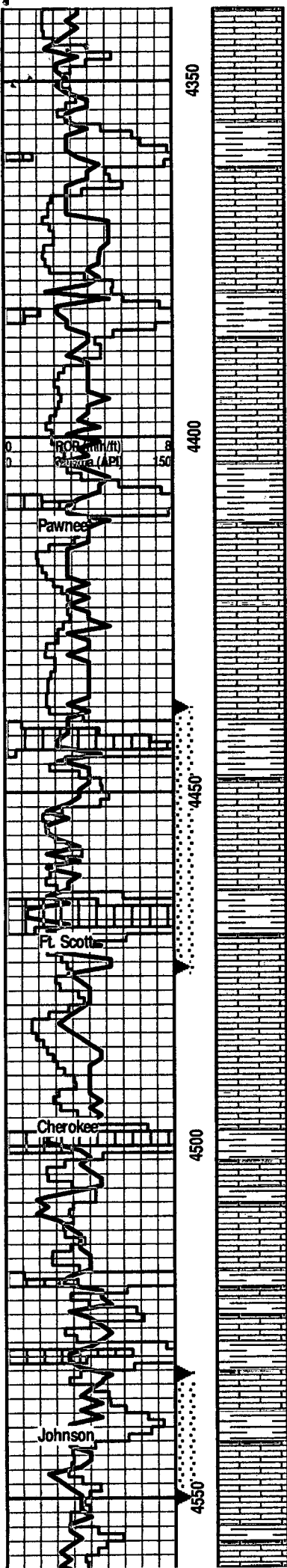
DST #6 (4158-4175)
 30:30:30:60
 IF: 6' blow
 IS: No return
 FF: 3' blow
 FS: Surface return
 Recovery: 70' GIP, 110' GWMCO (5% Gas, 15% Water, 30% Mud, 50% Oil), 90' OSWM (50% Mud, 50% Water)
 IHP: 2000
 IFP: 33-76
 ISIP: 890
 FFP: 81-103
 FSIP: 689
 FHP: 1919
 Chlorides: 15,000 ppm (Rw - 0.650 @ 52 F)
 BHT: 116 F

DST 7: 4180-4200
 30:30:30:60
 IF: Bottom of bucket 7 min
 IS: 2' return
 FF: Bottom of bucket in 11 min
 FS: Bottom of bucket in 15 min
 Recovery: 865' GIP, 85' Gassy Oil (50% Gas, 50% Oil), 90' Gassy Mud & Water Cut Oil (10% Gas, 70% Oil, 15%, 5% Mud), 510' Oil Spotted Muddy Water (90% Water, 10% Mud)
 IHP: 2050
 IFP: 42-243
 ISIP: 655
 FFP: 247-316
 FSIP: 656
 FHP: 1961
 Oil Gravity - 35
 Chlorides: 49,000 (Rw - 0.125 @ 82 F)
 BHT - 120 F

DST #8 (4209-4240)
 30:30:45:60
 IF: 4' blow, no return
 FF: 5' blow, no return
 Recovery: 480' OSWM (85% W, 15% M)
 IHP: 2100
 IFP: 19-94
 ISIP: 772
 FFP: 97-187
 FSIP: 777
 FHP: 2034
 BHT: 119 F
 Chlorides: 45,000 ppm (Rw - 0.236 @ 58 F)

DST #9 (4244-4275)
 15:30:15:30
 IF: BOB litted, 2' return fell to 1"
 FF: BOB in 45 sec, return died in 5 min
 Recovery: 125' G. Emulsion (5% G, 95% emulsion), 1600' GMOW Emulsion (20% G, 10% O, 70% W), 360' GOCW (20% G, 10% O, 30% W, 40% Emulsion)
 IHP: 2046
 IFP: 878-825
 ISIP: 1099
 FFP: 894-948
 FSIP: 1076
 FHP: 2015
 BHT: 123 F
 Chlorides: 40,000 (Rw 0.241 @ 51 F)

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LS: crm-tan, vfxdn, dense, chalky, NS

SH: grn-gry-red

LS: tan-gry, vfxdn, dense, chalky, NS

SH: blk-gry

LS: wht-brn, vfxdn, dense, chalky, NS

SH: blk

LS: wht-crm-tan, vfxdn, sl foss, dense, chalky, NS

LS: as above w/abund fresh cht

SH: blk

LS: wht-brn, vfxdn, chalky, dense w/abund fresh wht-brn-blk cht

SH: blk, carb

LS: wht-brn, fxdn, fr inxdn & tr fr vug por, ssfo, sat stn, fr odor

LS: crm-brn, vfxdn, oolitic in pt, dense, sl chalky, NS

LS: tan-brn, vfxdn, sl chalky, dense, NS

SH: blk, carb

LS: crm-tan, vfxdn, sl foss, dense, NS (1 pc w/ssfo in fr vug por)

LS: tan-gry, fxdn, foss, v chalky, dense, tr stn, nsfo

LS: wht-brn, vfxdn, dense w/abund gry-blk SH

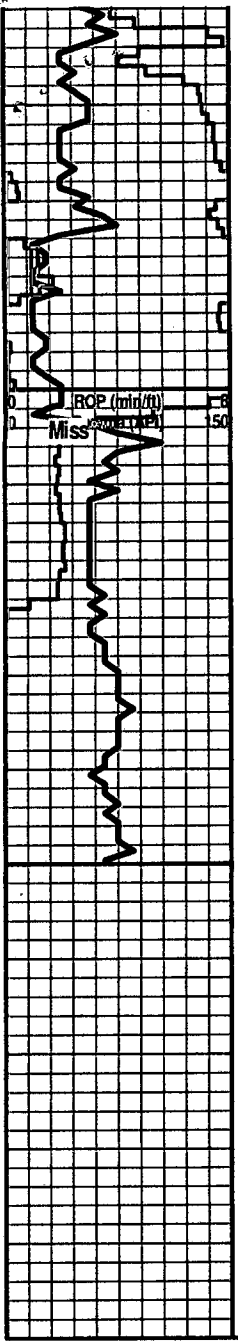
LS: crm-brn, fxdn, foss, fsfo, sat stn, str odor

LS: tab-brn, vfxdn, dense, chalky, shaley w/minor gils stn, nsfo, no odor

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DST #10 (4438-4475)
30:30:30:30
IF: 5" blow, no return
FF: 8" blow, no return
Recovery: 20' OCMW (5% O, 50% W, 45% M), 180' OSMW (50% W, 50% M)
IHP: 2260
IFP: 18-71
ISIP: 356
FFP: 75-116
FSIP: 354
FHP: 2185
BHT: 118 F
Chlorides: 30,000 (Rw 0.335 @ 50 F)

DST #11 (4533-4560)
15:30:15:30
IF: 5" blow, no return
FF: 4" blow, no return
Recovery: 20' OSMW (60% W, 40% M), 540' MW (95% W, 5% M)
IHP: 2279
IFP: 93-280
ISIP: 274
FFP: 250-272
FSIP: 244
FHP: 2238
BHT: 126 F
Chlorides: 45,000 (Rw 0.162 @ 71 F)



4600

4650

00

SH: blk-red-grn-brn-gry (pastels)

Sst: wht-grn, vfg, well-std, friable, NS

Sst: dr, f-mgr, prly std, friable, NS

Sst: dr, f-mgr, prly std, tite to friable, gils str, abund pyr, abund shale

LS: crm-tan-brn, vfxdn, dense, NS

LS: crm-tan-brn, vfxdn, dense, NS

LS: wht-tan, vfxdn, oolitic in pt, chalky, cherty, dense, NS

LS: wht-tan, vfxdn, oolitic in pt, chalky, cherty, dense, NS

RTD - 4650'
LTD - 4651'

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