Kansas Corporation Commission Oil & Gas Conservation Division

ORIGINA Form ACO-1 September 1999 Form-Must Be Typed

WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

Name: Patrick Petroleum, LLC Address: 6120 S. Yale, Suite 610 County: Tulsa, Oklahoma 74136 Purchaser: NA Coperator Contract Person: Laran D. Schmidt Persons: Garden Contract Person: Laran D. Schmidt Persons: 613	Operator: License # 33078	API No. 15 - 207-26,782-00-00
Address: 6120 S. Yale, Suffice 10 City/Stata/Dp. Tulsa, Oklahoma 74136 City/Stata/Dp. Tulsa, Oklahoma 7413		County: Woodson
1980 feet from () N (erole one) Line of Section Purchaser. NA 1980 feet from () N (erole one) Line of Section Purchaser. NA 1980 feet from () N (erole one) Line of Section Operator Contact Person. Loren D. Schmidt Footages Calculated from Nearest Outside Section Corner. 1980 feet from () N (erole one) Line of Section Operator Contact Person. Loren D. Schmidt Footages Calculated from Nearest Outside Section Corner. 1980 feet from () N (erole one) Line of Section Operator. 1980 feet from () N (erole one) Line of Section Corner. 1980 feet from () N (erole one) Line of Section Corner. 1980 feet from () N (erole one) Line of Section Corner. 1980 feet from () N (erole one) Line of Section Corner. 1980 feet from () N (erole one) Line of Section Corner. 1980 feet from () N (erole one) Line of Section Corner. 1980 feet from () N (erole one) Line of Section Corner. 1980 feet from () N (erole one) Line of Section Corner. 1980 feet from () N (erole one) Line of Section Corner. 1980 feet from () N (erole one) Line of Section Corner. 1980 feet from the free feet from	Address: 6120 S. Yale, Suite 810	
Foreitaser: NA Operator Contact Person. Loran D. Schmidt Operator Contact Person. Loran D. Schmidt Footages Calculated from Nearest Outside Section Corner: Ordinator: Name. McPherson Drilling License:		,
Operator Contact Person. License; 6875 Contractor: Name; McPherson Drilling License; 6875 Wellate Geologist — Loren D. Schmidt Designate Type to Completion: New Well Re-Entry — Workover Oil — SVW — SIOW — Fern. And — RECEIVED — Ground: 1107 — Kelly Bushing: NA — Total Depth: 1647 — Plug Back Total Depth: 1642 — Total Depth: 1647 — Plug Back Total Depth: 1642 — Total Depth: 1647 — Plug Back Total Depth: 1642 — See —		650 feet from E / (W) (circle one) Line of Section
Phone: (919 AT7-7755 Contractor: Name: MCPharson Drilling Lease Name: Steele West Report Name: McPharson Drilling Lease Name: Steele Wissman Producing Formation: Riverton Coal Elevation: Ground: 1107 Kally Bushing: NA Total Depth: 1647 Plug Back Total Depth: 1642 Total Depth: 1647 Plug Back Total Depth: 1642 Tomp. Abd. Steele Wissman Producing Formation: Riverton Coal Elevation: Ground: 1107 Kally Bushing: NA Total Depth: 1647 Plug Back Total Depth: 1642 Total Depth: 1648 Plug Back Total Depth: 1642 Total Depth: 1647 Plug Back Total Depth: 1642 Total Depth: 1647 Plug Back Total Depth: 1642 Total Depth: 1647 Plug Back Total Depth: 1642 Total Depth: 1648 Plug Back Total Depth: 1642 Total Depth: 1647 Plug Back Total Depth: 1642 Total Depth: 1647 Plug Back Total Depth: 1642 Total Depth: 1648 Plug Back Total Depth: 1642 Total Depth: 1647 Plug Back Total	Operator Contact Person: Loren D. Schmidt	
Contractor: Name: McPherson Drilling Licenses: 5675		(circle one) NE SE NW (SW)
Field Name: Wissman Froducing Formation: Riverton Coal	McDharan Drilling	Lease Name: Steele Well #: 9-1
Wellsite Geologist Loren D. Schmidt Designate Type of Completion: New Well Re-Entry Workover Oil SWD SIOW Temp. Abd. RECEIVED Oil SWD SIOW Temp. Abd. RECEIVED Completion: Ground: 1107 Kelly Bushing: NA Total Depth: 1647 Plug Back Total Depth: 1642 Total Depth: 1647 Plug Back Total Depth: 1642 Williple Stage Cementing Collar Used? Ples St and Cemented at 44.5 Feet (Milliple Stage Cementing Collar Used) If Workover/Re-entry: Old Well Info as follows: Conservation William Stage Cementing Collar Used? Ples St and Cemented at 44.5 Feet (Milliple Stage Cementing Collar Used) If Workover/Re-entry: Old Well Info as follows: Conservation William Stage Cementing Collar Used? Ples End Cemented at 44.5 Feet (Milliple Stage Cementing Collar Used) If Workover/Re-entry: Old Well Info as follows: Conservation Stage Cementing Collar Used? Ples Stage Cementing Collar Used? Conservation Completion Dete: Original Comp. Dete: Original Total Depth: Depending Re-perf. Corw. to Entry/SWD Plug Back Plug Back Total Depth: Depending Re-perf. Corw. to Entry/SWD Plug Back Plug Back Total Depth: Depending Re-perf. Corw. to Entry/SWD Plug Back Plug Back Total Depth: Docket No. Dual Completion Docket No. Dual Completion Docket No. Dual Completion Docket No. Official Air Stage Sta	License: 5675	100
Deelgnate Type of Completion: New Well	Wellsite Geologist: Loren D. Schmidt	Producing Formation: Riverton Coal
Oil SWD SIOW Temp. Abd. RECEIVED Washas Corporation Commission Surface Pipe Set and Cemented at 44.5 Feet Washas Corporation Commission (Surface) Surface Pipe Set and Cemented at 44.5 Feet Washas Corporation Commission Expires: Gas ENHR SIGW MAY 17 Dry Other (Core, WSW, Expl., Cathodic, etc) MAY 17 Washas Corporation Commission Expires: CONSERVATION May 17 May 17 May 17 May 17 May 17 Construction State Commission Expires: CONSERVATION Commission Expires: CONSERVATION Multiple Stage Cementing Collar Used? Dry Commission Expires: Multiple Stage Cementing Collar Used? Dry Commission Expires: CONSERVATION Multiple Stage Cementing Collar Used? Dry Commission Expires: Multiple Stage Cementing Collar Used? Dry Commission Expires: Notary Public Oklahoman Drilling Fluid Management Plan (Collar mast Se collected from the Reserve Pil) Chloride content ppm Fluid volume. Downtending method used Air Dried Location of fluid disposal if hauled offsite: Downtending method used Air Dried Location of fluid disposal if hauled offsite: Downtending method used Air Dried County: Downtending method used Air Dried Location of fluid disposal if hauled offsite: Downtending method used Air Dried County: Downtending method used Air Dried Location of fluid disposal if hauled offsite: Downtending method used Air Dried County: Downtending method used Air Dried County: Downtending method used Air Dried Location of fluid disposal if hauled offsite: Downtending method used Air Dried County: Downtending method used Air Dried County: County: County: Downtending	Designate Type of Completion:	
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Dry Other (Core, WSW, Expl., Cathodic, etc) MAY 17 Dry Other (Core, WSW, Expl., Cathodic, etc) MAY 17 Other (Core, WSW, Expl., Cathodic, etc) MAY 17 Other (Core, WSW, Expl., Cathodic, etc) MAY 17 CONSERVATION CONSERVATION WICHITA, Seet depth to Surface W 290 sx cmt. Wichita, Seet depth to Surface W 290 sx cmt. Despending Despending Re-perf. Cornv to Enhr/SWD Plug Back Comminigled Docket No. Dual Completion Docket No. Dual Completion Docket No. Dual Completion Docket No. Dual Completion Docket No. Date Reached TD Competion Date Notarry Public Notarry Public All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully compiled with and the statements and a wort to before me this Aday of May 10 completion Date Notarry Public Not		
Dry Other (Core, WSW, Expl., Cathodic, etc) MAY 17 200/ses, show depth set	Gas ENHR SIGW	
If Workover/Re-entry: Old Weil Info as follows: CONSENVATION DISCRETAGE II completion, cement circulated from 1642 Depart	Dry Other (Core, WSW, Expl., Cathodic, etc) MAY 17	2004 Feet
Operator: WICHTA S feet depth to SUITAGE W/ 29U sx cmt. Well Name: Original Comp. Date: Original Total Depth: Despening Re-perf. Conv. to Enhr./SWD Plug Back Plug Back Total Depth Docket No. Plug Back Docket No. Dual Completion Docket No. Dual Completion Docket No. Dual Completion Date or Recompletion Date or Date Reached TD Completion Date or Recompletion Date o		
Well Name: Original Comp. Date: Plug Back Plug Back Total Depth Ocotet No. Doul Commingled Docket No. Doul Completion Other (SWD or Enhr.?) Docket No. 12-4-02 12-6-02 Spud Date or Recompletion Date Recompletion Date 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 823-130, 82-3-105 and 82-3-1107 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. All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements have in a compelet and correct to the best of my knowledge. Incr. D. Schmidt KCC Office Use ONLY Wireline Log Received Geologist Report Received	Operator: WICHITA,	KS feet depth to surface w/ 290 sx cmt.
Original Total Depth:Original Total Depth:Original Total Depth:	Well Name:	
Deepening Re-perfConv. to Enhr/SWD	Original Comp. Date:Original Total Depth:	
Plug Back Plug Back Plug Back Total Depth Commingled Docket No. Dual Completion Docket No. Other (SWD or Enhr.?) Docket No. 12-4-02 12-6-02 6-17-03 Spud Date or Recompletion Date Reached TD Completion Date or Recompletion Date 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. Fulle 23-3-130, 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. 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: Notary Public Oklahoma OFFICIAL SEAL Market - Room 2078, Wichita, well as well as well as well as well as well. Full as a well. Full as 2-3-130, 82-3-106 and 82-3-107 apply. KCC Office Use ONLY Market - Room 2078, Wichita, well as we		
Dual Completion Docket No. Dual Completion Docket No. Other (SWD or Enhr.?) Docket No. 12-4-02 12-6-02 Spud Date or Recompletion Date Natary Public: Notary Public: Notary Public: Date Commission Expires: Docket No. Location of fluid disposal if hauled offsite: Location of fluid disposal if hauled offsite: Accompletion Date of Fluid disposal if hauled offsite: Docket No.: Operator Name: Lase Name: License No.: Quarter Sec. Twp. S. R. Seat West County: Docket No.: Docket No.: Docket No.: Docket No.: Uarter Sec. Twp. S. R. Seat West County: Docket No.: Docket No.: Docket No.: Docket No.: Uarter Sec. Twp. S. R. Seat West County: Docket No.: Doc	The state of the s	
12-4-02 12-6-02 6-17-03 Completion Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date County: Docket No.: License No.: Quarter Sec. Twp. S. R. East West County: Docket No.: Sec. Twp. S. R. East West County: Docket No.: Docket No.: Sec. Twp. S. R. East West County: Docket No.: Sec. Twp. S. R. East West County: Docket No.: Sec. Twp. S. R. East West County: Docket No.: Sec. Twp. S. R. East West County: Docket No.: Sec. Twp. S. R. East West County: Docket No.: Sec. Twp. S. R. East West County: Docket No.: Sec. Twp. S. R. East West County: Docket No.: Sec. Twp. S. R. East West County: Docket No.: Sec. Twp. S. R. East West County: Docket No.: Sec. Twp. S. R. East West County: Docket No.: Sec. Twp. S. R. East West County: Docket No.: Sec. Twp. S. R. East West County: Docket No.: Sec. Twp. S. R. East West County: Docket No.: Sec. Twp. S. R. East West County: East West County: Docket No.: Sec. Twp. S. R. East West County: East East East West County: East East East West County: East		Dewatering method used 7111 Bridd
12-4-02 12-6-02 6-17-03 Completion Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date County: Docket No.: Dock	·	Location of fluid disposal if hauled offsite:
Lease Name:License No.:	•	Operator Name:
Spud Date or Recompletion Date Date Reached TD Completion Date Completion Date County: Docket No.:		Lease Name: License No.:
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. 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: Signature: Title: Senior Geologist/Partner Date: Date: John John John John John John John John		Quarter Sec Twp S. R East West
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. 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: Senior Geologist/Partner Date: 3-19-04 Mireline Log Received Geologist Report Received Wireline Log Received Wireline Log Received UIC Distribution Notary Public Oklahoma OFFICIAL SEAL KANSAS 67202, within 120 days of the spud and server to a submit the form (at the Kansas Corporation of a well. Rule 82-3-106 and 82-3-106		County: Docket No.:
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. 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: Senior Geologist/Partner Date: 3-19-04 Subscribed and sworn to before me this day of Notary Public Oklahoma OFFICIAL SEAL Karl Austin Barrett Tulsa County 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. KCC Office Use ONLY KCC Office Use ONLY		
Signature: Senior Geologist/Partner Date: 3-19-04 Subscribed and sworn to before me this day of Date: Dat	Kansas 67202, within 120 days of the spud date, recompletion, workow Information of side two of this form will be held confidential for a period of 107 for confidentiality in excess of 12 months). One copy of all wireline logs TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells	er or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. 12 months if requested in writing and submitted with the form (see rule 82-3- and geologist well report shall be attached with this form. ALL CEMENTING s. Submit CP-111 form with all temporarily abandoned wells.
Signature: Senior Geologist/Partner	herein are complete and correct to the best of my knowledge.	are the oil and gas industry have been fully complied with and the statements
Subscribed and sworn to before me this day of		+
Subscribed and sworn to before me this day of	Signature:	KCC Office Use ONLY
Notary Public: Notary Public Oklahoma Date Commission Expires: Notary Public Oklahoma OFFICIAL SEAL Karl Austin Barrett Tulsa Count	Title: Senior Geologist/Partner Date: 3-19-04	Letter of Confidentiality Attached
20	Subscribed and sworn to before me this A day of Mail—	If Denied, Yes Date:
Notary Public: Notary Public Oklahoma Date Commission Expires: Karl Austin Barrett Tulsa Count	n NU	Wireline Log Received
Date Commission Expires: Notary Public Oklahoma OFFICIAL SEAL Karl Austin Barrett Tulsa County	HALI MARIE RAMA	Geologist Report Received
Date Commission Expires: OFFICIAL SEAL Karl Austin Barrett Tulsa County	Notary Public: Notary Public Oklahom	UIC Distribution
Karl Austin Barrett Tulsa County		1
A COLUMN TO THE PROPERTY OF TH	Karl Austin Barrett	7

Side Two

	A COLOR			Side	Two					
Operator Name:	atrick Petroleum,	LLC		Lease	Name:	Steele		. Well #:9-1	i	
Sec. 9 Twp. 24	S. R. <u>15</u>	✓ East	West	County:				. VVCII #		
INSTRUCTIONS: Shot tested, time tool open temperature, fluid reco	ow important tops a and closed, flowing overy, and flow rates	and shut if gas to	-in pressures, v surface test, al	enetrated. I whether sho	Detail al ut-in pre	l cores. Report	static level, hydros	static pressure	es, botto	om hole
Drill Stem Tests Taken (Attach Additional S		Y	es 🔽 No		V L	og Formatio	on (Top), Depth ar	nd Datum		Sample
Samples Sent to Geol	ogical Survey	□ Y	es 🗹 No		Nam	e Kansas City	Group	Top 844		Datum +263
Cores Taken		Y	es 🔽 No			nont Ls.	Gloup	1012		+95
Electric Log Run		V Y	es 🗌 No			nee Ls.		1087		+20
(Submit Copy) List All E. Logs Run:					Ft. S	cott Ls.		1134		-27
Compensated [Dual Induction S Cement Bond L	SFL/GR Log	on Log				rton Coal issippian Ls		1535 1558		-428 -451
THE THE TRANSPORT OF TH	71 ·	Reno	CASING F		Ne	w V Used	ion etc			
Purpose of String	Size Hole Drilled	Siz	e Casing	Weig	ht	Setting Depth	Type of Cement	# Sacks Used		and Percent Additives
Surface	11"	8 5/		23		44.5	Portland	8	<u> </u>	A
Production	7 7/8"	5 1	/2"	15.5	;	1642	Arkoma Lite	290	N	Α
						1402				
			ADDITIONAL	CEMENTIN	G / SQL	JEEZE RECORD	1			
Purpose: Perforate Protect Casing Plug Back TD	Depth Top Bottom	Туре	of Cement	#Sacks I	Used		Type and Pe	ercent Additives		
Plug Off Zone										
Shots Per Foot			ID - Bridge Plugs Each Interval Perf				cture, Shot, Cement nount and Kind of Mai		d	Depth
4 spf	1535-1537					Acid: 400 g	als 15% HCI			1535-1537
	4.00.000.000.000.000.000.000.000.000.00					Frac: 6,700	# 20/40 sd, 4,	900 # 12/20	sd	1535-1537
				·		510	bbls gelled fres	sh water		

TUBING RECORD	Size 2 7/8"	Set At 1488'		Packer At		Liner Run	Yes V No			
Date of First, Resumerd			Producing Meth	iod	Flowing	Pumpir	1		· / / · · · · · · · · · · · · · · · · ·	-1
Estimated Production		3bls.	Gas M	Mcf	Wate			as-Oil Ratio	er (Explair	Gravity
Per 24 Hours Disposition of Gas	0 METHOD OF C	OMPLETIC	Trace		***************************************		53			-
Vented Sold	Used on Lease	OWIT LETT	Open Hole	Perf.		Production Inter				
(If vented, Sub			Other (Specif		- اـــا	adily Oonip.	Commingled			

ORIGINAL



CEMENT JOB REPORT

CUSTOMER	Patrick E	xplorat	tion Co.		DAT	E 23-DEC-02		F.R. #	1001124	4174				SERV.	SUPV.	Danny B	ane	
LEASE & WEI			7820000		i	ATION 24S-15E									ITY-PAR	RISH-BLO	СК	
DISTRICT McAlester					DRIL	LING CONT	RAC	TOR RIG	#						OF JOE String	3		
	& TYPE			L	IST-C	CSG-HARDW	ARE					PH	YSICAL			PERTIES		
Cement Plug	, Rubbe	r, Top	5-1/2 in	Float Sh	ioe/P	oppet Valve	5-1/	2 - 8rd	SACH	(S	SLURI		SLURR		ATER	PUMP	Bbi	Bbl
				Centrali	zer, v	with Pins, 5-1	/2 ir	1	CEME	NT	WGT PPG		YLD FT ³		3PS	TIME HR:MIN	SLURRY	MIX WATER
		M	ATERIALS F	URNISHE	D BY	' BJ												
Fresh Water	•									1	8	.34					10	
Arkoma Lite		oz/Typ	pe1)						2	290		4.3	1.2	5	5.3		64.6	36.62
Fresh Water	•									(8	.34				***************************************	39.1	
		AF					400						a was philade and decay and garden					
Available Mi		40) Bbl.	Availab	le Dis	spl. Fluid	100								то	TAL	113.7	36.62
SIZE	HOLE % EXC	-	DEPTH	SI	ZE	WGT.	Т	BG-CSG-E		DE	РТН	, ,	RADE		SHOE		R DEPTHS	07405
7.875			1647		.5	15.5		CSG			642		J-55	+	1644		1642	STAGE
														1				
	LAST CA	SINC			DVE	CMT DET D	2 01	LINES										
	NGT	TYPE	DEPTH			R-CMT RET-BI	Y PL	-LINER DEPT	н	TOI	RF. DEF	TH BTM	S	TOP	CONN	-AD	WELL FI	.UID WGT.
														5.5	8RN	ID F	RESH /ATER	8.34
DISPL	. VOLUN	1E	D	SPL. FLL	ID	CAL. PS	SI	CAL. MAX	X PSI C	P. M	1AX	MA	X TBG F	SI	1	MAX CSG	PSI	MIX
VOLUME	l	NON	TYF	E	WGT	r. BUMP PL	.UG	TO RE	v. s	SQ. F	PSI I	RATE	D Op	erator	RA	TED	Operator	WATER
39.1	В	BLS	Fresh V	Vater	8.34	510		0		0		0		۵	38	348	2000	Hurricane
EXPLANATIO	N: TROL	BLE S	ETTING TO	OL, RUNN	IING	CSG, ETC. P	RIOR	TO CEME	ENTING:	:			l		Arriv	e at 14:15	; Safety me	eting Rig up.
			PRESSURE	RATE DE	TAIL		WORK LEGISLE	***************************************			-400		* ************************************	EXF	LANAT	ION		
TIME HR:MIN.			RE - PSI	RATE BPN		Bbl. FLUID		FLUID					CREW		O. REP.	. [X]		
THY.IVIIV.	PIPE	-	ANNULUS	DFIV	-	PUMPED		TYPE	TEST				3000 PS	<u> </u>		X		
14:40				,	-		W	ATER			ING WE		RIG	<u> </u>	BJ			
15:54		90			4.1	10		ATER					art slurry	at 14	3 PPG			
15:09		145			4.4	~		MENT					np, drop					
15:14		173			4	13) VV	ATER	13 bbl	disp	laced, c	catch	cement	, see I	ift			
15:21		570			3			ATER	32 bbl	disp	laced, c	eme	nt to sur	face				
15:23 15:24	-	650 0			2.8	2	W	ATER	39.1 bl	ol dis	splaced	, burr	np plug,	press	ure to F	PSI		
					-	2	-		Circula	ited	7 bbl. 3	sa lac	ck, float cement	noiaii to surf	ng face	REC	EIVED	
	ļ								Thanks	s for	using E	3J Se	rvices, l	Danny	GINSAS	CORPOR	ATION COMM	IISSION
															a.		7 2004	
															1		ITA, KS	`
BUMPED PLUG	PSI T BUM PLU	IP	TEST FLOAT EQUIP.	BBL.CI RETUR REVER	NS/	TOTAL BBL. PUMPED	L	PSI EFT ON CSG	SPC TOP C CEME	TUC	SE	ERV. S	SUPV.		ung	Æ1	Lac	
Y N	650		Y N	7		114	0		Υ	N	Kega	nt.	For: 1	G115.	13/C	orp. C	n nmmiss	ion

PT 1552 (12/98)

Drillers Log McPherson Drilling LLC ORIGINAL

Rig: 2 API No. 15- 207-26782 -60-06 Operator: Patrick Petroleum LLC Address: 6120 S. Yale, Suite 810 Tulsa, OK 74136 Well No: Lease Name: Steele Footage Location: 1960 ft. from the South Line 650 West Line ft. from the Drilling Contractor: **McPherson Drilling LLC** Spud date: 12/4/02 Geologist: Bernie Boysen Date Completed: Total Depth: 12/6/02 1647'

S. 9 T. 24	R. 15
Loc:	C NW/SW
County:	Woodson

Gas Tests:		
1085'	3.92	MCF
1126'	0.00	MCF
1326'	7.06	MCF
1467'	0.00	MCF
1527'	0.00	MCF
1567'	3.39	MCF

TD

Casing Record								
	Surface	Production						
Size Hole:	11"	7 7/8"						
Size Casing:	8 5/8"	McPherson						
Weight:	20#							
Setting Depth:	44.5'							
Type Cement:	Portland							
Sacks:	8	McPherson						

Rig Time:										

				Well Log				
Formation	Тор	Btm.	Formation	Тор	Btm.	Formation	Тор	Btm.
soil/clay	0	7	shale	701	708	oil sand	1165	1180
lime	7	8	lime	708	870	sandy shale	1180	1210
shale	8	42	shale	870	990	shale	1210	1260
lime	42	54	lime	990	1030	lime	1260	1262
shale	54	113	sand	1030	1050	shale	1262	1280
sand	113	120	lime	1050	1058	sand	1280	1299
shale	120	201	sandy lime	1058	1070	shale	1299	1310
sandy lime	201	205	shale	1070	1088	sand/shale	1310	1326
sand	205	215	lime	1088	1090	sand	1326	1330
sand/shale	215	230	shale	1090	1096	sand/shale	1330	1365
shale	230	340	lime	1096	1100	shale	1365	1420
lime	340	414	shale	1100	1108	sand	1420	1430
shale	414	418	lime	1108	1113	shale RECEIVI	ED 1430	1450
lime	418	439	shale	1113	1116	shale RECEIVI	1450	1452
shale (blk)	439	452	lime	1116	1119	shale MAY 17	2004 1452	1510
lime	452	480	shale	1119	1121	coal	1510	1511
shale (blk)	480	487	lime	1121	1125	coal shale ^{conserwation} wichita,	DIVISION KS 1511	1520
sandy lime	487	615	sand	1125	1136	coal	1520	1521
sand (wet)	615	628	shale	1136	1151	shale	1521	1525
sandy lime	628	660	lime	1151	1156	lime	1525	1526
shale	660	678	shale	1156	1160	shale	1526	1545
shale (red)	678	698	lime	1160	1162	coal	1545	1547
lime	698	701	shale	1162	. 1165	shale	1547	1557
					. , -	Miss lime	1557	1647