## Kansas Corporation Commission Oil & Gas Conservation Division

Form ACO-1 September 1999 Form Must Be Typed

# CONFIDENTIAL WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

ODICINIAL

nda differential del construction de la constructio	OCCOURAGE
Operator: License # 33300	API No. 15 - 0852005900-08
Name: Evergreen Operating Corporation	County: Jackson
Address: 1401 17th Street, Suite 1200	C _ SW_ SW_ Sec. 20 Twp. 6 S. R. 16 V East West
City/State/Zip: Denver CO 80202	feet from S/ N (circle one) Line of Section
Purchaser: FEB 13 2004	520 4850 feet from E) (Acircle one) Line of Section
Operator Contact Person: Tom Erwin	Footages Calculated from Nearest Outside Section Corner:
Phone: (303) 298-8100 ext 1330 CONFIDENTIAL	(circle one) NE SE NW SW
Contractor: Name: Layne Christensen Company	Lease Name: Jenkins Well #: 14-20
License: 32999	Field Name: Forest City Coal Gas Area
Wellsite Geologist: Richard Robba, PG	Producing Formation: Cherokee Group
Designate Type of Completion:	Elevation: Ground: 1099 Kelly Bushing: 1104
New Well Re-Entry Workover	Total Depth: 2220 Plug Back Total Depth: 2171
Oil SWD SIOW Temp. Abd.	Amount of Surface Pipe Set and Cemented at 217 Feet
GasENHR✓ SIGW	Multiple Stage Cementing Collar Used?
Dry Other (Core, WSW, Expl., Cathodic, etc)	If yes, show depth setFeet
If Workover/Re-entry: Old Well Info as follows:	DIf Alternate II completion, cement circulated from
Operator:	VCOMMISSION sx cmt.
Well Name:	2004 12
Original Comp. Date: Original Total Depth: CONSERVATION D	Drilling Fluid Management Plan  (Data must be collected from the Reserve Pit)
Deepening Re-perf Conv. to Enhr./SWIDITA, KS	MISSON:
Plug BackPlug Back Total Depth	Dewatering method used Vacuum pit and backfill
Commingled Docket No.	Location of fluid disposal if hauled offsite:
Dual Completion Docket No.	· ·
Other (SWD or Enhr.?) Docket No	Operator Name: Evergreen Operating Corporation
11/29/2003 12/02/2003 WOCU	Lease Name: Peckman Angus License No.: 33300
Spud Date or Recompletion Date  Date Reached TD  Recompletion Date  Completion Date or Recompletion Date	Quarter NE Sec. 7S Twp. 18 S. R. 24 ✓ East West County: Miami Docket No.: D28279
Kansas 67202, within 120 days of the spud date, recompletion, workov Information of side two of this form will be held confidential for a period of	n the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, rer 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-s and geologist well report shall be attached with this form. ALL CEMENTING s. Submit CP-111 form with all temporarily abandoned wells.
All requirements of the statutes, rules and regulations promulgated to regul herein are complete and correct to the best of my knowledge.	ate the oil and gas industry have been fully complied with and the statements
Signature: Sumas /// Dum	KCC Office Use ONLY
Title: Sr Operations Engineer Date: 3/04/64	Letter of Confidentiality Attached
Subscribed and sworn to before me this the day of march	, If Denied, Yes Date:
20 0 4.	Wireline Log Received Geologist Report Received
Notary Public: Kanna Brew	UIC Distribution
Date Commission Expires: 11/24/07	

# CONFIDENTIAL

## KCC FEB 1 3 2004

ORIGINAL

Side Two
CONFIDENTIAL
Lease Name: Jenkins

Operator Name: Eve	rgreen Operating	Corporat	ion		Vame: Je			Well #: 14-2	20	
Sec. 20 Twp. 6				County:	Jackso	n				
NSTRUCTIONS: Shested, time tool open emperature, fluid rec Electric Wireline Logs	and closed, flowing overy, and flow rates	and shut-ir if gas to su	n pressures, w urface test, ald	vhether sho ong with fir	ut-in pres	sure reached	static level, hydro:	static pressur	es, bottom hole	
Orill Stem Tests Take		Yes	<b>✓</b> No		Lo	g Formati	on (Top), Depth a	nd Datum	Sample	
Samples Sent to Geo		Yes	✓ No		Name Heeb	nerShale		Top Datum 737 362		
Cores Taken		Yes	✓ No		Lansi			944 155		
Electric Log Run		✓ Yes	□ No			Shale		1217	-118	
(Submit Copy)						nsas City		1269	-170	
ist All E. Logs Run:						nount:		1372	-279	
SIL, CNL, CBL					Sumi			1458	-359	
Sic, CNL, CBL Tebo Shale	•	1668	-569		Exce			1472	-373	
Mississippi		2169	-1070		VSha			1594	-495	
			CASING F	RECORD	Nev	p	A. A			
		Report	all strings set-co	onductor, su	rface, inte	mediate, produc	tion, etc.			
Purpose of String	Size Hole Drilled		Casing In O.D.)	Weig Lbs./		Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives	
Surface	12 1/4	8	5/8	24		217	CI-C	140	2%Cacl 3% Gyps	
Production	7 7/8	5	1/2	15.5	,	2213	Vermejo 5	422	2% cacl2	
			ADDITIONAL	CEMENTIN	NG / SOU	EEZE RECORI	)			
Purpose:	of Cement	#Sacks		Type and Percent Additives						
Perforate Protect Casing Plug Back TD	Top Bottom	Туро	, Comon				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
Plug Off Zone										
Shots Per Foot			) - Bridge Plug ach Interval Perl				acture, Shot, Cement		ord Depth	
	See Attached SI				and a second sec		A CONTRACTOR OF THE PROPERTY O			
A Company of the Comp								RECE	IVEN	
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				19 114			KANS	AS CORPORAT	ION COMMISSION	
								MAR 8	2004	
			10-64 10-10-10-10-10-10-10-10-10-10-10-10-10-1				C	ONSERVATION	DIVISION	
TUBING RECORD	Size	Set At		Packer A	ıt	Liner Run	Yes V No	WICHITA,	KS	
Date of First, Resumer	d Production, SWD or E	Enhr.	Producing Meth	hod	Flowing	Pump	ing Gas Lit	t Otl	ner (Explain)	
Estimated Production Per 24 Hours	011	Bbls.	Gas 0	Mcf	Wate	r 1	Bbls. 0	Bas-Oil Ratio	Gravity	
Disposition of Gas	METHOD OF 0	COMPLETION				Production Inte	rval			
Vented Sold	Used on Lease	[	Open Hole	Perf.	. 🔲 D	ually Comp.	Commingled			

Attachment to Form: ACO-1 Well Completion Form

Jenkins 14-20 C/SW/SW Sec 20 T6S r16E Jackson County, KS Perforation and treatment Waiting on fracture stimulation

RECEIVED ANSAS CORPORATION COMMISSI	MAR 8 2004	CONSERVATION DIVISION WICHITA, KS
CANSAS (	of the second	<b>₹</b>

7.50%

**HCL Acid** 

(gal)

Perforations	Shots/ft	Proppant Actual (lbs)	Clean Fluid (bbls)	Nitrogen N2 (mscf)
1,624 - 1,626	4			
1,732 - 1,735	4			
1,855 - 1,857	4			
1,902 - 1,904	4			
1,938 - 1,940, 1,948 - 1,951 & 1,955 -	<b>4</b>			
1,970 - 1,974	4			
1,985 - 1,988	4			
2,010 - 2,012	4			
2,029 - 2,032 & 2,038 - 2,041	4			

ORIGINAL

Service Supervisor Date F.R. # Customer Ray Decker 11/29/0 E.O.C. 3 County - Parish - Block Lease & Well Name -Location JACKSON COUNTY **RANGE5TOWN716E JENKINS 14 - 20** Type of Job Drilling Contractor Rig # District 8 5/8 SURFACE LAYNE Physical Slurry Properties Size & Types of Plugs List - CSG - Hardware Slurry Slurry Water Pump Std Std 3 CENTRALIZERS Top WGT **GPS** Time Slurry Mix YLD 1 GUIDE SHOE Btm **PPG** Ft<sup>3</sup> Hr:Min Water Materials Furnished 15.5 1.20 5.2 140 SKS SURFACE SET 2 lbs red dye CONFIDENTIAL Availabe mix fluid Bbl. Available Displ. Fluid Bbl Total TBG-CSG-D.P Collar Depths Hole TBG-CSG-D.P. Size % Excess DeptH Size Туре Depth Size WGT Depth Float 11" 24 # 217 220' 8 5/8 Pkr - Cmt Ret - Br Pl - Liner Perf Depth Well Fluid Top Conn Last Casing WGT Depth Depth Size Thread WGT Csg. Type Brand & Type Тор Btm Туре H20 8.33 5 1/2 8rd Max Tbg Max Csq PSI Cal Displ Vol - Bbl Cal Psi Cal OP Max Displ Fluid Water PSI 12.85 BBL. Max 1000 PSI Psi SQ PSI WGT TBG CSG CSG Total Bump Plug To Rev Rated OP Rate Type Source d H<sub>2</sub>o 8.33 Tank 1000 PSI Explanation: WELL DID CIRCULATE. PUMPED 18 BBLS CMT. TO PIT., HAD 55 BBLS LEFT FOR TOPOUT. TOTAL 30 BBLS MIXED. Pressure/Rate Detail Explanation Bbl Fluid Time Pressure - PSI Rate Fluid Safety Meeting: Crew Co. Rep x Pumped HR:Min **BPM** Pipe Type **Testing Lines** Psi 1000 Annulus 2230 3 PUMP DYE WATER AHEAD 60 5 H20 PUMP CMT. @ 15.5 PPG 2240 150 3 25 CMT 2255 150 PUMP DISPLACEMENT 3.5 13 H20 2300 90 H20 ISIP RECEIVED KANSAS CORPORATION COMMISSION 5 BBLS - 120 PSI 10 BBLS - 135 PSI MAR 13 BBLS - 150 PSI 2004 CONSERVATION DIVISION WICHITA, KS 18 BBLS CMT. TO PIT Bumped PSI to Test Float Bbl CMT Total PSI Spot Plug Bump Equip Returns/ Bbl Left Тор Serv. Supv. Plug Reversed Pumped Cement On CSG N/A N/A N **18 BBL 43 BBL** 100 Ray Decker

*	·	100	TIM	and Control	RI										$\triangle$	$D \coprod$		M	$\Lambda \perp$	
Custon E.O.C.	ner	JUL	IJ		HL	Date 12/3/	03	F.R. #				vice Dec	Super ker	visor	U	RH	UI	IV.	HL	****
Lease & Well Name – Location JENKINS 14 - 20 18S23ESEC20								County – Parish – Block JACKSON COUNTY												
District Drilling Contractor Rig #									Type of Job								<del></del>			
LAYNE									5½ Longstring											
Tan	Size &			gs	List 25 CEN			ardware		Cli	urry	Slu		sical Wate		y Prope Pump			1	Std
Тор	5 ½ Top	Rubber						S 			urry /GT	YL		GPS		Time	1			Siu Mix
Btm					1 GUIDI	E SHO	E				PG	F				Hr:Min		<b>,</b>		Vater
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Size	% Excess	Dept	tH	Size	WGT		уре	Depth	s	ize		GT	Туре		Depth	Shoe		101 12	Float	
8 1/4		2222	,	5 ½	15.5.#			2213'												
Csg.	Last WGT	Casing Type		Depth	Pkr	- Cmt Brand &		- Br Pl -	Liner Der	oth	F		Depth Btm		Top Size	Conn	4	Typ	ell Fl	uid WGT
Csg.	VVG1	туре	21			DIAIIU O	туре		De	ULII	1	- ο	DUII		SIZE	Tillead		120	<del>-</del>	8.33
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51.5 B	BL.					Ma Ps	ax	1500	PSI		PSI									
TBG	CSG	CSG	<u> </u>	Total	Bump Plu		o Rev	SQ	PSI	F	Rated	OP	Rate	(	)P	Туре	W	/GT	Sou	ırce
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Dressi	re/Rate D	)otail							Expl	ana	tion		***************************************							
Time		ssure –	PSI		Rate	Bbl F	luid	Fluid			Meetir	na: (	Crew	X		Co.	Rep	) X		
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0800									<del></del>		VATE									
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Bumped Plug	d PSI to Bump		t Float quip		bl CMT eturns/	Tot Bk		PSI Left	Sp.	ot p	0	., n	1807							
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											Ray	y Dec	cker							

## CONFIDENTIAL

### Professional Energy Services

9402 Kessler Lane Shawnee Mission, KS 66212 Ph.913.341.7434



KCC FEB 1 3 2004

GEOLOGICAL REPORT

CONFIDENTIAL

Operator: EVERGREEN OPERATING CORPORATION

Project: Straight Creek Well Name: Jenkins 14-20 Location: Ap 140S of SW SW - 660' FSL & 520' FWL Sec. 20-T6S-R16E, County: Jackson, State: Kansas All measurements GL: 1094 API:15-085-200659-00-00 Company: Sr. Operations Engineer: Mr. Tom Erwin

Company: Geologist: Mr. Paul Clarke

Professional Energy Services: Geologist: Rich Robba Drilling Superintendents: Drew Friedrichs/Fred ODoan

Pattersson Logging: Roger Taylor

Drilling Contractor: Layne Christensen Company

Geosearch Logging: Mudloggers: Pat Andrews/Nathan Barnes

Commenced: 11/28/03 Completed: 12/03/03

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CONSERVATION DIVISION WICHITA, KS

This geological report is prepared for **EVERGREEN OPERATING CORPORATION**. Wellsite geological supervision was conducted from surface to Total Depth. The Jenkins 14-20 well was air drilled to 1,680' and then drilled with water to the Mississippian formation. ROP, gas curves and sample descriptions from the chips are recorded on the mud log and geophysical survey formation tops and coal intersections are listed below.

#### Jenkins14-20

#### Formation E-Log Tops

Heebner Shale:	737'	Excello:	1472'
Lansing:	944'	VShale:	1594'
Stark Shale:	1217'	Tebo Shale:	1668'
B/Kansas City:	~ 1269'	Mississippi:	2169'
Altamount:	1372'	RTD:	2220'
Summit:	1458'	LTD:	2222'



**EVGERGREEN OPERATION CORP.** Jenkins 14-20 Geological Report Page 2 of 2

ORIGINAL

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CONSERVATION DIVISION WICHITA, KS

### CONFIDENTIAL

Coal and Coal Shale Intersections Density Log

Net Coals(ft) < 1.75 g.cc Net Coals(ft) < 2.00 g.cc Net Carbonaceous Shale(ft)

Name	Depth	Name	Depth	Name	Depth
Drywood	1902-1903.7	V Coal	1594.8-1596	Mineral	1632.6-1634
Rowe B	1948.3-1950.9	Fleming	1624.1-1625.4	Weir A	1717-1718
Rowe D	1970.8-1972.8	Weir C	1732.8-1734	Weir D	1751.3-1752
Rowe E	1985.8-1987.2	Bl. Jacket C	1855.2-1856.3	Rowe B1	1945.3.1945.9
Neutral E	2038.6-2040.1	Rowe A	1939-1939.8	Neutral A	1995.2-1996
	`	Rowe C	1955.8-1956.9	Neutral C	2023.2-2024
		Neutral B	2010.1-2011.2	Werner A	2082-2082.9
		Neutral D	2030-2031.3		

#### Cumulative Net Thickness Density E-Log

Net Coals(ft) < 1.75 g.cc

Net Coals(ft) < 2.00 g.cc

Net Carbonaceous Shale(ft)

9.2'

10.1

6.2

#### Conventional Oil and Gas Shows

Squirrel Sandstone: 1550-1560, SANDSTONE, vfn-fngn, well rnd, friable to unconsolidated, clr, ns, 8u, water increase in air volume.

Respectfully submitted,

Richard A. Robba, PG Director of Operations Professional Energy Services