RELEASED FROM CONFIDENTIAL

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

CONFIDE A Form ACO-1 Adoptember 1999 Be Typed

WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

WELL HISTORY - DESCRI	ODICINAL
Operator: License # 33300	API No. 15 - 1212777300-60 ORIGINAL
Name: Evergreen Operating Corporation	County: Miami
Address: 1401 17th Street, Suite 1200	NW _SW _SE Sec. 20 Twp. 18 S. R. 23 ▼ East West
City/State/Zip: Denver CO 80202	400 feet from S / N (circle one) Line of Section
Purchaser:	2400 feet from E/ W (circle one) Line of Section
Operator Contact Person: Tom Erwin	Footages Calculated from Nearest Outside Section Corner:
Phone: (303) 298-8100 ext 1330	(circle one) NE SE NW SW
Contractor: Name: Layne Christensen Company	Lease Name. Medlin Well #: 34-20
Contractor: Name: Layrie Christensen Company RECEIVE License: 32999	Field Name: Forest City Coal Gas Area COMMISSION Producing Formation: Cherokee Group 1004 Elevation: Ground: 986 Kelly Bushing: 991
Wellsite Geologist: Richard Robba, PG	COMMISSION Cherokee Group
Designate Type of Completion:	66 Kelly Bushing: 991
✓ New Well Be-Entry Workover CONSERVATION Day	Total Depth: 964 Plug Back Total Depth: 905
Oil SWD SIOW Temp. Abd.	Amount of Surface Pipe Set and Cemented at 44 Feet
✓ Gas ENHR 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:	If Alternate II completion, cement circulated from 952
Operator:	
Well Name:	feet depth to surface w/ 175 sx cmt. HLT_IL WHM B-17-06
Original Comp. Date: Original Total Depth:	Drilling Fluid Management Plan
Deepening Re-perf Conv. to Enhr./SWD	(Data must be collected from the Reserve Pit) Chloride content NA ppm Fluid volume 500 bblc
Plug Back Plug Back Total Depth	ppm Fluid Volume Bbis
Commingled Docket No.	Dewatering method used_trucked to disposal well
Dual Completion Docket No	Location of fluid disposal if hauled offsite:
Other (SWD or Enhr.?) Docket No	Operator Name: Evergreen Operating Corporation
	Lease Name: Medlin License No.: 33300
10/28/2003 10/29/2003 1/10/2004 Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date	Quarter sw Sec. 20 Twp. 18 S. R. 23 V East West County: Miami Docket No.: D28257
Kansas 67202, within 120 days of the spud date, recompletion, workove Information of side two of this form will be held confidential for a period of 1 107 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. All requirements of the statutes, rules and regulations promulgated to regula	the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, or or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. 2 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. Submit CP-111 form with all temporarily abandoned wells.
herein are complete and correct to the best of my knowledge.	
Signature: Momas Mo Sum	KCC Office Use ONLY
Sr Operations Engineer	SEE DICT OY-CONS-327-CEXC.
	Letter of Confidentiality Attached
Subscribed and sworn to before me this 4 day of Thomas	If Denied, Yes Date:
20 04	Wireline Log Received Geologist Report Received
Notary Public: Nari. Com Wate Blic	UIC Distribution
Date Commission Expires: 2/3/05 COLOR	ining.

Side Two

ORIGINAL
Well #: 34-20

Operator Name: Evergreen Operating Corporation				Lease Name: Medlin		Well #: 34-20				
	8 S. R. 23 ·		County:	Miami						
ested, time tool ope emperature, fluid re	n and closed, flowing covery, and flow rates	nd base of formations pe and shut-in pressures, v if gas to surface test, al nal geological well site re	whether some ong with fire eport.	utto pr	SACS declad (s) Attach ext	static level, hydro	ostatic pressui	ests giving interval res, bottom hole ed. Attach copy of al		
			COI	VFII	- Court A W WW.	S.458112				
Drill Stem Tests Take		Yes ✓ No		√ Lo	og Formati	on (Top), Depth	and Datum	Sample		
Samples Sent to Ge	ological Survey	Yes V No		Nam Starl	e c Shale		Тор 71	Datum 915		
Cores Taken		☐ Yes ✓ No		B/Ka	nsas City		116	870		
Electric Log Run (Submit Copy)		✓ Yes No		Altar	nount	ı	289	697		
,				Sum	mit		429	557		
List All E. Logs Run:				Exce			444	542		
SI, CNL, CBL				V. S	hale	i	545	441		
				Tebo	Shale		623	363		
				Miss	issippi		807	179		
		CASING		✓ Ne	Contract of the Contract of th	¥				
	Size Hole	Report all strings set-c	Weig		Setting	Type of	# Sacks	Type and Percent		
Purpose of String	Drilled	Set (In O.D.)	Lbs. /	Ft.	Depth	Cement	Used	Additives		
Surface	12 1/4	8 5/8	24		44	Portland	12	2% cacl2		
Production	7 7/8	5 1/2	15	5.5	952	Vermejo 5	175	2% cacl2		
L		ADDITIONAL	CEMENTIN		IEEZE BECOD					
Purpose:	Depth	Type of Cement		FING / SQUEEZE RECORD Type and Percent Additives a						
Perforate Protect Casing Plug Back TD Plug Off Zone	Top Bottom	Type or comon				, , , , , , , , , , , , , , , , , , ,	CONFIDI	ENTIAL		
Shots Per Foot		ON RECORD - Bridge Plug Footage of Each Interval Per				acture, Shot, Cemer		ord Depth		
	See Attached Sh				See Attached SteetEIVED					
	Jee Allached Si				KANSAS CORPORATIO		COMMISSION	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
						8 # 6 Ph	004			
					Co					
			***************************************			NSERVATION DIVI	SION			
TUBING RECORD	Size	Set At	Packer A	.t	Liner Run	Van Z N				
	7/8	763	hod			Yes ✓ N	U			
1/10/2004	rd Production, SWD or E	nhr. Producing Metl		Flowin	g 📝 Pump	ing Gas L	ift Oth	her (Explain)		
Estimated Production Per 24 Hours	Oil		Mcf 8	Wate	er i		Gas-Oil Ratio	Gravity		
Disposition of Gas	METHOD OF C	OMPLETION			Production Inte	rval				
✓ Vented Solo (If vented, S	Used on Lease	Open Hole Other (Speci	Perf.		Dually Comp.	Commingled				

Attachment to Form: ACO-1 Well Completion Form

Medlin 34-20 SW/SW/SE Sec 20 T 18S R23E Miami County, KS Perforation and treatment with 70% Foam Frac

Foam Frac			Proppant Actual (lbs)	Clean Fluid (bbls)	Nitrogen N2 (mscf)	7.50% HCL Acid (gal)
Perforations	# of ft	Shots/ft				
347-350	3	4	30000	289	209.9	84
386-388	2	4	13000	182	30.1	84
532-534	2	4	20000	132	96.1	84
574-576	2	4	26000	162	159	84
595-596	1	4	12000	152	151.6	84
624-627	3	4	19000	165	123.2	84
737-739	<u>2</u>	4	13000	141	108.5	84
624-627	3	4	19000	165	123.2	8

RECEIVED
MAR 8 2004
CONSERVATION DIVISION
WICHTEL KS

RELEASED FROM CONFIDENTIAL

ORIGINAL

Professional Energy Services

9402 Kessler Lane Shawnee Mission, KS 66212 Ph.913.341.7434

ORIGINAL

GEOLOGICAL REPORT

RELEASED FROM CONFIDENTIAL

Operator: EVERGREEN OPERATING CORPORATION

Project: Osawatomie Well Name: Medlin 34-20 Location: SW SW SE - 400' FSL and 2400' FEL

Sec. 20-T18S-R23E County: Miami State: Kansas All measurements GL: 986 API: 15-121-23773-00-00 Company: Director of Geology: Mr. Chris Cornelius Company: Director of Operations: Mr. Dan McGee Company: Sr. Operations Engineer: Mr. Tom Erwin

Company: Geologist: Paul Clarke

Professional Energy Services: Geologist: Rich Robba

Drilling Superintendent: Drew Friedrichs Pattersson Logging: Roger Taylor

Drilling Contractor: Layne Christensen Company Geosearch Logging: Mudlogger: Pat Andrews Commenced: 10/28/03 Completed: 10/29/03



This geological report is prepared for **EVERGREEN OPERATING CORPORATION**. Wellsite geological supervision was conducted from surface to TD. This well was air drilled and not cored. ROP, gas curves and sample descriptions from rotary chips are recorded on the mud log and formation tops are listed below.

Medlin 34-20

Formation E-Log Tops

Stark Shale:	71'	VShale:	545'
B/Kansas City:	116'	Tebo	623'
Altamount:	289'	Mississippi:	807'
Summit:	429'	RTD:	964'
Excello:	444'	LTD:	961'

Coal Intersections E-Log

CONFIDENTIAL

Name	Depth	Name	Depth
Mulberry Lexington Summit Mulky Bevier	347.8-349.1 386.2-387 432.5-433 445.7-446.6 532.2-533.7	Scammon Tebo Coal Bluejacket A CSh Bluejacket B CSh Drywood	593.6-595.5 624.2-626.1 671.5-672 693.7-694.1 718.2-719.7
Fleming	574.2-576	Rowe Riverton (?)	737.1-739.2 777.3-778.2

EVERGREEN RESOURCES, INC.

OPERATOR
EVERGREEN OPERATING CORP
WELL NAME
MEDLIN 34-20
LEGAL LOCATION
SW SE SEC 20 T 18S R 23E
COUNTY, STATE
MIAMI COUNTY, KANSAS

ORIGI	NAI
MIE	TOTAL DEPTH
10/28/2003	45
REPORT NO.	DEPTH (LAST 24 HRS)
1	0
RIG CONTRACTOR	DAYS SINCE SPUD
Layne Christense	11
CONSULTANT	AFE#
Drew Friedrichs	03KS010

DAILY DRILLING REPORT

PRESENT OPERATION		27
PRESENT OPERATION DAILY COST \$ 23	,890 \$ RELEASED 97,39	3

arios villi			DAILY DRILLING SUMMARY FROM
FROM	то	HOURS	CONFIDENTIAL
(hrs) 06.00	07:00	1.00	DESCRIPTION OF DAILY OPERATIONS (08:00 - 08:00 has - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
07:00	08:30	1.50	SPUD WELL @07:00 10-28-03, AIR DRILLING W/ 11* BIT TO 45' GL.
08:30	09:00	0.50	RUN 1 JT 8 5/8" J-55 24# 8RD ST&C CSG SET @ 43.5". CEMENT FROM SURFACE W/ 12 SX PORTLAND CEMENT TO SURFACE.
09:00	17:00	8.00	WOC, NU @16:00, RU 8" AIR HAMMER BIT
17:00	01:30	8.50	DRILLING FROM 45' GO 980' GL W/ 8" AIR HAMMER. (ROP - 125)
01:30	01:45	0.25	BLOW HOLE CLEAN
01:45	02:15	0.50	DEVIATION SURVEY TAKEN W/ TOTCO W/L RETREAVABLE TOOL 5.5 DEGREES, SECOND SURVEY TAKEN TO CONFIRM THE READING, SAME-5.5 DEG.
02:15	03:00	0.75	ТООН
03:00	05:15	2.25	RU PATTERSON W/L SERVICE. RUNNING SINGLE INDUCTION AND COMPENSATED DENSITY/NEUTRON LOGS FROM 964'GL TO SURFACE.
05:15	06:00	0.75	RUN 22 JTS 5 1/2" J-55, LT& C, &RD, 15.5# CSG, SET @ 951.65" W/ INSERT LANDING FOR RUBBER PLUG SET IN FIRST JOINT OF CSG AND GUIDE SHOE ON BOTTOM OF 1ST JT. CENTRALIZERS ON EVERY OTHER JOINT TO SURFACE.
			KAND. RECENT
			KANSAS CORPORATION COMMISSION
			MAR 8 2004
TOTAL	HOURS	24.00	CONSERVATION DIVISION

DESC	DAILY	CUM
	(hrs)	(hrs)
Orill	10.00	10.00
Trip	0.75	0.75
Circulate	0.25	0.25
Rig Repair		
Rig Service		<u></u> _
Dev Survey	0.50	0.50
NU / ND		-
Cement		-
Run Casing	1.25	1.25
woc	. 8.00	8.00
OH Logging	2.25	2.25
Mix Mud		
MI & RU	1.00	1.00
Rat Hole		
Mouse Hole		-
Fishing		
DST		-
CH Logging		
Perforating		
Swab		-
Frac		-
Acidize		-
		-
Coring		-
		-
Other		-
TOTALS	24.00	24.00

		"ICHITA	KS	AIO.				
44808023448	DESCRIPTION OF DAILY &	CUMULATIVE CO	SIS				- 12	<u> 1887 - 1</u>
COST CODE	DESCRIPTION OF DAILY COSTS			DAILY (\$)	cu	MULATIVE (\$)		AFE (\$)
2030.010	Land, Legal, Title, Survey, Arch, Damages, Permits, Signs		\$	1,050	\$	1,050	\$	2,000
2030.031	Dirtwork, Road, Locatikon, Ptis, Liner		\$	200	\$	200	\$	1,200
2030.019	Contract Drilling		\$	12,240	\$	12,240	\$	17,875
2032.001	Water		\$	383	\$	383	\$	500
2032.013	Drill Bits, Stabilizers, Reamers		<u> </u>		\$		\$	2,000
2031.046	Cementing and Services	VVIIIVE	s	TIAL	\$		\$	3,500
2030.053	Coring and Analysis	LUNFILE	N		\$		\$	-
2030.052	Logging		\$	2,900	\$	2,900	\$	3,000
2030.054	Mud Logging		\$	750	\$	750	\$	1,200
2030.037	Rental Equipment				\$	-	Ş	1,000
2030.028	Transportation		\$	200	\$	200	\$	2,250
2030,064	Completion Unit				\$	-	\$	3,000
2030.055	Perforating				\$		\$	1,500
2031,058	Well Stimulation				\$	-	\$	30,000
2030.035	Contract Labor		\$	600	\$	600	\$	1,000
2030.022	Engineering / Supervision		\$	600	\$	600	\$	3,100
2030,099	Intangible Miscellaneous and Contingencies				\$	-	\$	3,656
2040.001 / 2040.004	Surface and Production Casing		\$	4,968	\$	4,968	\$	4,350
2040.007	Tubing				\$		\$	2,080
2040.023	Float Equipment, Shoes, Centralizers				\$	-	\$	1,250
2040,028	Wellhead Equipment				\$	-	\$	1,950
2040.016	Bottom Hole Pump / Gas Lift / Other				\$		\$	1,000
2040.031 / 2040.037	Drivehead, Engine / Motor and Hydraulic Pump / Electric Unit				\$	-	\$	5,000
2040.052 / 2040.055	Valves and Fittings, Small / Large				\$	-	\$	1,500
2040,067	Other Surface Equipment				\$		\$	2,500
2040.099	Tangible Miscellaneous and Contingencies				\$	-	\$	982
		TOTAL COSTS	s	23,890	\$	23,890	s	97,393

ORIGINAL F.R. # Service Supervisor Date Customer Ray Decker 10/29/0 E.O.C. 3 County - Parish - Block Lease & Well Name -Location MIAMÍ COUNTY 18S23ESEC20 **MEDLIN 34-20** Type of Job Drilling Contractor Rig # District 5 ½ Longstring LAYNE Size & Types of Plugs List - CSG - Hardware **Physical Slurry Properties 8 CENTRALIZERS** Slurry Slurry Water Pump Std Std 5 ½ Top Rubber Top WGŤ Time Slurry Mix 1 - ES - R TOOL/PACKER Btm **PPG** Hr:Min Water Materials Furnished 175 SKS Vermejo 13.3 2 lbs red dye Total Availabe mix fluid Bbl. Available Displ. Fluid Bbl. TBG-CSG-D.P. TBG-CSG-D.P Collar Depths Hole Size Туре Depth Size WGT Depth Shoe Size % Excess DeptH Type 15.5.# 952 81/4" 962' 5 1/2 Pkr - Cmt Ret - Br Pl - Liner Perf Depth Top Conn Well Fluid Last Casing WGT Size Thread WGT Csg. Туре Depth Brand & Type Top Btm Туре 694' H20 8.33 5 1/2 8rd 8 5/8 24# Max Tbg Max Csg PSI Cal Displ Vol - Bbl Cal Psi Cal OP Max Displ Fluid Water 1500 PSI PSI 21.7 BBL. Max Psi OP CSG CSG SQ PSI Rated OP Rate WGT TBG Total Bump Plug To Rev Туре Source d H2o 8.33 Tank 1500 PSI Explanation: WELL DID CIRCULATE. DID BUMP PLUG. Explanation Pressure/Rate Detail Bbl Fluid Time Pressure - PSI Rate Fluid Safety Meeting: Crew Co. Rep x Х Pumped HR:Min Annulus **BPM** Type Testing Lines Psi 2000 Pipe 3 30 H20 PUMP H20 AHEAD 0830 50 0840 60 3 45 CMT PUMP CMT. @ 13.3 PPG 300 21.7 PUMP DISPLACEMENT 0900 3.5 H20 0910 1500 H20 **BUMPED PLUG** KANSAS CORPORATION COMMISSION 10 BBLS - 150 PSI 15 BBLS - 250 PSI 20 BBLS - 300 PSI CONSERVATION DIVISION WICHITA, KS PSI to Bbl CMT PSI Bumped Test Float Total Spot Bump Returns/ Plug Equip Bbl Left Top Serv. Supv.

Plug

1500

Υ

Y

Reversed

5 BBL

Pumped

96.7

BBL

On

CSG

0

Cement

Y

Ray Decker