

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
September 1999
Must Be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

Operator: License # 33300
Name: Evergreen Operating Corporation
Address: 1401 17th Street, Suite 1200
City/State/Zip: Denver CO 80202
Purchaser: _____
Operator Contact Person: Tom Erwin
Phone: (303) 298-8100 ext 1330
Contractor: Name: Layne Christensen Company
License: 32999
Wellsite Geologist: Richard Robba, PG

Designate Type of Completion:
 New Well Re-Entry Workover
 Oil SWD SLOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, 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./SWD
 Plug Back Plug Back Total Depth
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Enhr.?) Docket No. _____

<u>11/05/2003</u>	<u>11/06/2003</u>	<u>1/13/2004</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

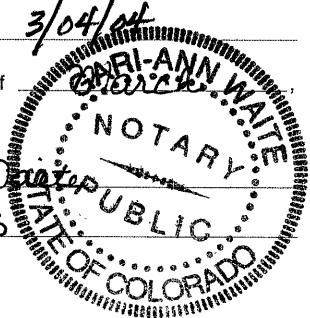
API No. 15 - 121-27772-00 - 00
County: Miami
S2 NE NW Sec. 7 Twp. 18 S. R. 24 East West
985 feet from S / N (circle one) Line of Section
1885 feet from E / W (circle one) Line of Section
Footages Calculated from N (circle one) NE SE NW SW
Lease Name: Maisch Well #: 21-7
Field Name: Forest City Coal Gas Area
Producing Formation: Cherokee Group
Elevation: Ground: 905 Kelly Bushing: 910'
Total Depth: 915 Plug Back Total Depth: 868
Amount of Surface Pipe Set and Cemented at 44 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes (specify depths) _____ Feet
If Alternate II completion, cement circulated from 912
feet depth to Surface 175 sx cmt.
ALT II WITH 8-47-02

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)
Chloride content _____ ppm Fluid volume 500 bbls
Dewatering method used Vacuum pit and backfill
Location of fluid disposal if hauled offsite: _____
Operator Name: Evergreen Operating Corporation
Lease Name: Peckman Angus License No.: 33300
Quarter NE Sec. 7S Twp. 18 S. R. 24 East West
County: Miami Docket No.: D28279

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: Thomas McErwin
Title: Sr Operations Engineer Date: 3/04/04
Subscribed and sworn to before me this 4 day of _____
20 04.
Notary Public: Ari-Ann W. White
Date Commission Expires: 2/13/05



KCC Office Use ONLY
Yes DKT 04-CORS-327-CERC
Letter of Confidentiality Attached
If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution

Operator Name: Evergreen Operating Corporation Lease Name: Maisch Well #: 21-7
 Sec. 7 Twp. 18 S. R. 24 East West County: Miami

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 copy of all Electric Wireline 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
 (Submit Copy)

List All E. Logs Run:

SIL, CNL, CBL

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Log Formation (Top), Depth and Datum Sample

Name	Top	Datum
Stark Shale		837
B/Kansas City		794
Altamount	318	587
Summit	427	478
Excello	453	452
Vshale	521	384
Teb	589	316
Mississippi	763	142

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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
Surface	12 1/4	8 5/8	24	44	Portland	12	Neat
Production	7 7/8	5 1/2	15.5	912	Vermejo 5	175	2% cacl2

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				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type	Acid, Fracture, Shot, Cement Squeeze Record	Depth
	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used)	
	See Attached Sheet	See Attached Sheet	

TUBING RECORD	Size 2 7/8	Set At 789	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr. 2/10/2004	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. 0	Gas Mcf 32	Water Bbls. 68	Gas-Oil Ratio Gravity

Disposition of Gas Vented Sold Used on Lease (If vented, Submit ACO-18.)

METHOD OF COMPLETION Open Hole Perf. Dually Comp. Commingled Other (Specify)

Production Interval

Attachment to Form: ACO-1
Well Completion Form

Maisch 21-7
S2NENW Sec 7 T18S R24E
Miami County, KS
Perforation and treatment
with 70% Foam Frac

Perforations	Shots/ft	Proppant Actual (lbs)	Clean Fluid (bbls)	Nitrogen N2 (mscf)	7.50% HCL Acid (gal)
740 - 742	4	15,000	164	149.7	0
715 - 717	4	15000	157	163.8	126
590 - 592	4	15,000	176	1,945	84
560 - 562	4	10,000	127	122	84
460 - 462	4	25,000	195	221	168
337 - 340	4	20,000	160	130	84

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Professional Energy Services

9402 Kessler Lane
Shawnee Mission, KS 66212
Ph.913.341.7434

GEOLOGICAL REPORT

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Operator: **EVERGREEN OPERATING CORPORATION**

Project: Lancaster D Well Name: Maisch 21-7

Location: 95' W of S/2 NE NW 985' FNL and 1885' FWL

Sec. 7-T18S-R24E County: Miami State: Kansas

All measurements GL: 905' API: 15-121-27772-00-00

Company: Sr. Operations Engineer: Mr. Tom Erwin

Company: Geologist: Mr. Paul Clarke

Professional Energy Services: Geologist: Rich Robba

Drilling Superintendent: Drew Friedrichs

Patterson Logging: Roger Taylor

Drilling Contractor: Layne Christensen Company

Geosearch: Mudloggers: Gary Maddox/Nathan Barnes

Commenced: 11/05/03 Completed: 11/06/03

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This geological report is prepared for **EVERGREEN OPERATING CORPORATION**. Wellsite geological supervision was conducted from surface to TD. This well was air drilled. ROP, gas curves and sample descriptions from rotary chips are recorded on the mud log and geophysical survey formation tops and coal intersections are listed below.

Maisch 21-7

Formation E-Log Tops

Stark Shale: 68'	VShale: 521'
B/Kansas City: 111'	Tebo 589'
Altamount: 318'	Mississippi: 763'
Summit: 427'	RTD: 915'
Excello: 453'	LTD: 922'

Coal and Coal Shale Intersections E-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
Mulberry	337.6-339.2	Bevier	504.1-504.9	Lexington	377.7-378.4
Mulky	460.1-462.7	Croweberg	537.4-538	Fleming	548.2-549
Mineral	560.7-561.8			Bluejacket	639.8-640.3
Tebo	590.3-591.6				
Drywood	715.4-717.1				
Rowe A	740.6-742.1				

Cumulative Net Thickness E-Log

Net Coals(ft) < 1.75 g.cc	Net Coals(ft) < 2.00 g.cc	Net Carbonaceous Shale (ft)
8.8'	1.4'	2.0'

EVERGREEN RESOURCES, INC.

OPERATOR EVERGREEN OPERATING CORP
WELL NAME MAISCH 21-7
LEGAL LOCATION NENW SECTTION 7, T18S - R24E
COUNTY, STATE MIAMI, KANSAS

11/6/2003	TOTAL DEPTH 600' GL
REPORT NO. 1	DEPTH (LAST 24 HRS) 600'
RIG CONTRACTOR CHRISTENSEN	DAYS SINCE SPUD 1
CONSULTANT FRIEDRICHS	AFE # 03KS-006

DAILY DRILLING REPORT

PRESENT OPERATION			
PRESENT OPERATION DRILLING TO MISSISSIPPIAN FORMATION	DAILY COST \$ 12,250	CUM COST \$ 12,250	AFE COSTS \$ 102,118

DAILY DRILLING SUMMARY			
FROM (hrs)	TO (hrs)	HOURS (hrs)	DESCRIPTION OF DAILY OPERATIONS (06:00 - 06:00 hrs)
14:30	16:00	1.50	MORU, GETTING PERMISSION TO DRILL FROM KCC @ 08:00 10/28/03. SPOKE W/ BECKY.
16:00	17:00	1.00	SPUD WELL @ 16:00 HRS, 11/05/03, AIR DRILLING W/ 11" BIT TO 45' GL.
17:00	17:30	0.50	RUN 1 JT 8 5/8", 24 #/FT, J-55, 8RD, ST&C CSG SET @ 43.5'. CEMENT DOWN BACKSIDE W/ 12 SX PORTLAND CEMENT TO SURFACE.
17:30	01:30	8.00	WOC, NU @023:00, RU 8" AIR HAMMER BIT
01:30	05:30	4.00	DRILLING FROM 45' GO 522' GL W/ 8" AIR HAMMER. (ROP - 119 FPH).
05:30	05:45	0.25	DEVIATION SURVEY TAKEN W/ TOTCO W/L RETRIEVIABLE TOOL. .5 DEGREES.
05:45	06:00	0.25	DRILLING FROM 522' GO 600' GL W/ 8" AIR HAMMER. (ROP - 101)
TOTAL HOURS		15.50	

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SUMMARY OF RIG HOURS		
DESC.	DAILY (hrs)	CUM (hrs)
Drill	5.25	5.25
Trip	-	-
Circulate	-	-
Rig Repair	-	-
Rig Service	-	-
Dev Survey	0.25	0.25
NU / ND	-	-
Cement	-	-
Run Casing	0.50	0.50
WOC	8.00	8.00
OH Logging	-	-
Mix Mud	-	-
MI & RU	1.50	1.50
Rat Hole	-	-
Mouse Hole	-	-
Fishing	-	-
DST	-	-
CH Logging	-	-
Perforating	-	-
Swab	-	-
Frac	-	-
Acidize	-	-
REAMING	-	-
Coring	-	-
Other	-	-
TOTALS	15.50	15.50

DESCRIPTION OF DAILY & CUMULATIVE COSTS				
COST CODE	DESCRIPTION OF DAILY COSTS	DAILY (\$)	CUMULATIVE (\$)	AFE (\$)
2030.010	Land, Legal, Title, Survey, Arch, Damages, Permits, Signs	\$ 1,050	\$ 1,050	\$ 2,000
2030.031	Dirtwork, Road, Location, Pits, Liner	\$ 400	\$ 400	\$ 1,200
2030.019	Contract Drilling	\$ 7,650	\$ 7,650	\$ 17,875
2032.001	Water	\$ -	\$ -	\$ 500
2032.013	Drill Bits, Stabilizers, Reamers	\$ -	\$ -	\$ 2,000
2031.046	Cementing and Services	\$ -	\$ -	\$ 8,000
2030.053	Coring and Analysis	\$ -	\$ -	\$ -
2030.052	Logging	\$ -	\$ -	\$ 3,000
2030.054	Mud Logging	\$ 750	\$ 750	\$ 1,200
2030.037	Rental Equipment	\$ -	\$ -	\$ 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	\$ 500	\$ 500	\$ 3,881
2040.001 / 2040.004	Surface and Production Casing	\$ 300	\$ 300	\$ 4,350
2040.007	Tubing	\$ -	\$ -	\$ 2,080
2040.023	Float Equipment, Shoes, Centralizers	\$ -	\$ -	\$ 1,250
2040.028	Wellhead Equipment	\$ -	\$ -	\$ 1,950
2040.022	PACKERS, ANCHORS AND HANGERS, ETC.	\$ -	\$ -	\$ 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	\$ 200	\$ 200	\$ 982
TOTAL COSTS		\$ 12,250	\$ 12,250	\$ 102,118

Customer E.O.C.				Date 11/6/03	F.R. #	Service Supervisor Ray Decker							
Lease & Well Name – MAISCH 21 – 7				Location 18S23ESEC20		County – Parish – Block MIAMI COUNTY							
District		Drilling Contractor Rig # LAYNE			Type of Job 5 ½ Longstring								
Size & Types of Plugs			List – CSG - Hardware			Physical Slurry Properties							
Top	5 ½ Top Rubber		8 CENTRALIZERS			Slurry WGT PPG	Slurry YLD Ft ³	Water GPS	Pump Time Hr:Min	Std Slurry	Std Mix Water		
Btm													
Materials Furnished													
175 SKS Vermejo						13.3	1.45	9.76					
2 lbs red dye													
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Available mix fluid			Bbl.	Available Displ. Fluid			Bbl.	Total					
Hole			TBG-CSG-D.P.			TBG-CSG-D.P.			Collar Depths				
Size	% Excess	Depth	Size	WGT	Type	Depth	Size	WGT	Type	Depth	Shoe	Float	
8 1/4"		922'	5 ½	15.5.#		913'							
Last Casing			Pkr - Cmt Ret – Br PI - Liner			Conn			Well Fluid				
Csg.	WGT	Type	Depth	Brand & Type			Depth	Top	Btm	Size	Thread	Type	WGT
8 5/8	24#		694'							5 1/2	8rd	H2O	8.33
Cal Displ Vol – Bbl 21 BBL.				Cal Psi	Cal Max Psi	OP Max 1500 PSI	Max Tbg PSI	Max Csg PSI		Displ Fluid	Water		
TBG	CSG	CSG	Total	Bump Plug	To Rev	SQ PSI	Rated	OP	Rate d	OP	Type	WGT	Source
						1500 PSI					H2o	8.33	Tank
Explanation: WELL DID CIRCULATE. DID BUMP PLUG.													
Pressure/Rate Detail							Explanation						
Time HR:Min	Pressure – PSI Pipe Annulus		Rate BPM	Bbl Fluid Pumped	Fluid Type	Safety Meeting: Crew x Co. Rep x							
1410	35		3	5	H2O	Testing Lines Psi 2000							
1412	50		3	45	CMT	PUMP DYE WATER AHEAD							
1430	275		3.5	21	H2O	PUMP CMT. @ 13.3 PPG							
1440	1500				H2O	PUMP DISPLACEMENT							
						BUMPED PLUG							
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							5 BBLS – 115 PSI						
							10 BBLS – 175 PSI						
							15 BBLS – 225 PSI						
							20 BBLS – 275 PSI						
Bumped Plug	PSI to Bump Plug	Test Float Equip	Bbl CMT Returns/ Reversed	Total Bbl Pumped	PSI Left On CSG	Spot Top Cement	Serv. Supv.						
Y	1500	Y	10 BBL	71 BBL	0	Y	Ray Decker						