

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

APPLICATION TO DRILL DEEPEN PLUG BACK
for an oil well or gas well

NAME OF COMPANY OR OPERATOR Prairie Energy Corporation DATE April 14, 1983
8600 West 110th Street STE 202 Overland Park, Kansas 66210
Address City State

DESCRIPTION OF WELL AND LEASE			
Name of lease <u>MacLaughlin</u>	Well number <u>1E</u>	Elevation (ground) <u>1058'</u>	
WELL LOCATION (give footage from section lines) <u>1122</u> ft. from XX (S) sec. line <u>2116</u> ft. from (E) XX sec. line			
WELL LOCATION Section <u>4</u> Township <u>46</u> Range <u>33</u>			County <u>Cass</u>
Nearest distance from proposed location to property or lease line: <u>165</u> feet		Distance from proposed location to nearest drilling, completed or applied for well on the same lease: <u>298</u> feet	
Proposed depth <u>650'</u>	Drilling contractor, name & address <u>Layne-Western Co. 620 South 38th St. KC KS</u>	Rotary or Cable Tools <u>rotary</u>	Approx. date work will start <u>4/18/83</u>
Number of acres in lease <u>264</u>		Number of wells on lease, including this well, completed in or drilling to this reservoir: <u>10</u> Number of abandoned wells on lease: <u>none by PEC</u>	
If lease, purchased with one or more wells drilled, from whom purchased: Name <u>N/A</u> Address _____		No. of Wells: producing _____ injection _____ inactive _____ abandoned _____	
Status of Bond Single Well <input type="checkbox"/> Amt. _____ Blanket Bond <input checked="" type="checkbox"/> Amt. <u>30,000</u> <input checked="" type="checkbox"/> ON FILE <input type="checkbox"/> ATTACHED			
Remarks: (If this is an application to deepen or plug back, briefly describe work to be done, giving present producing zone and expected new producing zone) use back of form if needed.			
Proposed casing program		Approved casing -- To be filled in by State Geologist	
amt.	size	wt./ft	cem.
<u>20</u>	<u>7"</u>	<u>26</u>	<u>5 sacks</u>
<u>640</u>	<u>4 1/2"</u>	<u>11</u>	<u>75 sacks</u>
_____	_____	_____	_____
_____	_____	_____	_____
I, the undersigned, state that I am the <u>Land Manager</u> of the <u>Prairie Energy Corporation</u> (company), and that I am authorized by said company to make this report, and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge. Signature: <u>Wallace B. Hines</u>			

Permit Number 20389
Approval Date 4/19/83
Approved By Wallace B. Hines

- Drillers log required
- Drill stem test info. required if run
- E-logs required if run
- Samples required
- Core analysis required if run
- Samples not required

Note: This Permit not transferable to any other person or to any other location.
Remit two copies to: Missouri Oil and Gas Council
P.O. Box 250 Rolla, Mo. 65401
One will be returned for driller's signature

RECEIVED
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MO. OIL & GAS COUNCIL

WATER SAMPLES REQUIRED @

Approval of this permit by the Oil and Gas Council does not constitute endorsement of the geologic merits of the proposed well nor endorsement of the qualifications of the permittee.

WELL COMPLETION OR RECOMPLETION REPORT AND WELL LOG

New Well Workover Deepen Plug Back Injection Same Reservoir Different Reservoir Oil Gas Dry

Owner: **Prairie Energy Corporation** Address: **8600 West 110th Street Suite 202 Overland Park, Kansas 66210**

Lease Name: **Maclaughlin** Well Number: **1 E**

Location: **1122' from S line; 2116' from E line** Sec., Twp., and Range or Block and Survey: **Section 4 Township 46 Range 33**

County: **Cass** Permit number (OGC 3 or OGC 31): **20389**

Date spudded: **4/18/83** Date total depth reached: **NA** Date completed, ready to produce or inject: **4/26/83** Elevation (DF, RKR, RT, or Gr.) feet: **1058'** Elevation of casing hd. flange feet: **NA**

Total depth: **660'** P B T D: **621**

Producing or injection interval(s) for this completion: **Squirrel** Rotary tools used (interval) From **0** to **TD** Drilling Fluid used: **air** Cable tools used (interval) From _____ to _____

Was this well directionally drilled? **No** Was directional survey made? **N/A** Was copy of directional survey filed? **N/A** Date filed: **N/A**

Type of electrical or other logs run (list logs filed with the State Geologist): **Gamma Ray Neutron** Date filed: **with report**

CASING RECORD

Casing (report all strings set in well - conductor, surface, intermediate, producing, etc.)

Purpose	Size hole drilled	Size casing set	Weight (lb. ft.)	Depth set	Sacks cement	Amt. pulled
surface	8 3/4"	7"		24'	5	
casing	6 1/2"	4 1/2"		621'	96	

TUBING RECORD

LINER RECORD

Size in.	Depth set ft.	Packer set at ft.	Size in.	Top ft.	Bottom ft.	Sacks cement	Screen (ft.)

PERFORATION RECORD

ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD

Number per ft	Size & type	Depth Interval	Amount and kind of material used	Depth Interval
3	1/4 Torn Frac Jets	566-575	90 barrels 5AH water w/ 40 sacks sand & 1 carbuoy acid	566-575

INITIAL PRODUCTION

Date of first production or injection: _____ Producing method (indicate if flowing, gas lift, or pumping - if pumping, show size and type of pump): **pumping, 1 1/2" insert pump, 5' barrel**

Date of test: _____ Hrs. tested: _____ Choke size: **1"** Oil produced during test: _____ bbls. Gas produced during test: _____ MCF Water produced during test: _____ bbls. Oil gravity: _____ API (Corr.)

Tubing pressure: _____ Casing pressure: _____ Cal'd rate of Production per 24 hours: **1/2** Oil: **1/2** bbls. Gas: **-** MCF Water: **4 1/2** bbls. Gas - oil ratio: _____

Disposition of gas (state whether vented, used for fuel or sold): **NA**

Method of disposal of mud pit contents: **drained & Buried**

CERTIFICATE: I, the undersigned, state that I am the **Land Manager** of the **Prairie Energy Corporation** (company), and that I am authorized by said company to make this report, and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge

Stephen R. Hughes
Signature **Stephen R. Hughes**

See Attached Drillers Log

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DETAIL OF FORMATIONS PENETRATED

Formation	Top	Bottom	Description (See * below)
Brown clay	0	10	
Brown limestone	10	17	
Gray shale	17	47	
Gray limestone	47	55	
Gray sandy shale	55	70	
Gray shale	70	73	
Red shale	73	74	
Gray shale	74	83	
Gray limestone	83	88	
Gray shale	88	89	
Black shale	89	91	
Gray shale	91	103	
Gray sandy shale	103	120	
Gray shale	120	135	
Gray limestone	135	137	
Gray shale	137	145	
Gray limestone	145	150	
Gray shale	150	153	
Gray limestone	153	162	
Gray shale	162	165	
Gray limestone	165	175	
Black shale	175	178	
Gray shale	178	183	
Gray limestone	183	203	
Gray shale	203	205	
Black shale	205	207	
Gray limestone	207	210	
Gray shale	210	213	
Gray limestone	213	218	
Gray sandy shale	218	220	
Gray shale	220	315	
Gray sandy shale	315	330	
Red shale	330	331	
Gray shale	331	350	
Gray sandy shale	350	360	
Gray shale	360	380	
Gray sandy shale	380	381	
Red shale	381	390	
Gray shale	390	397	
Brown limestone	397	404	
Black shale	404	405	
Brown limestone	405	409	
Gray shale	409	417	
Brown limestone	417	430	
Gray shale	430	448	
Brown limestone	448	452	

*Show all important zones of porosity, detail of all cores, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

INSTRUCTIONS

Attach drillers log or other acceptable log of well. Submit analysis of injection interval formation waters.

OPERATOR Prairie Energy Corporation LEASE NAME Maclaughlin

SEC. 4 TWP 46 RGE. 33

FILL IN WELL LOG AS REQUIRED: WELL NO. 1E

Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

SHOW GEOLOGICAL MARKERS, LOGS RUN, OR OTHER DESCRIPTIVE INFORMATION.

FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME	DEPTH
Black shale	452	456		
Brown limestone	456	458		
Gray sandy shale	458	460		
Graysandstone w/trace oil	460	462		
Gray sandy shale	462	475		
Black shale	475	477		
Gray sandy shale	477	495		
Black shale	495	497		
Gray sandy shale	497	518		
Gray shale	518	520		
Gray sandstone w/trace oil	520	531.5'		
Gray sandstone w/gas	531.5'	542.5'		
Gray sandstone w/oil	542.5'	550.5'		
Gray limestone w/trace oil	550.5'	556.5'		
Gray shale	556.5'	560.5'		
Gray shale	560.5'	566.5'		
Gray sandstone w/oil	566.5'	569.5'		
Gray sandstone w/oil	569.5'	579.5'		
Gray shale w/sandstone seams	579.5'	589.5'		
Gray shale	589.5'	640		
Total depth	640			

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JUN 30 1983

MO. OIL & GAS COUNCIL

Temporary No. _____

MISSOURI GEOLOGICAL SURVEY AND WATER RESOURCES, ROLLA, MISSOURI

COUNTY Cass
 COMPANY OR OWNER Prairie Energy Corp.
 FARM MacLaughlin WELL NO. I-E
 LOCATION 1122' FSL, 2116' FEL SEC 4 T 46 R 33
 CONTRACTOR/DRILLER _____
 COMMENCED 4-18-83 COMPLETED 4-26-83
 PRODUCTION Oil 1/2 bbls./day
 CASING RECORD _____
 WATER RECORD _____
 SOURCE OF LOG _____
 REMARKS OGC # 20389

MGS LOG NO. Drillen's

+	+	+	+
-	-	-	-
+	+	+	+
-	-	-	-
+	+	+	+
-	-	-	-
+	+	+	+
-	-	-	-

NO. SAMPLES _____ SAMPLES RECEIVED _____

ELEV. 1058'
 TOTAL DEPTH 640'
 SWL _____

FORMATION	FROM (ft)	TO (to)	FORMATION	FROM (ft)	TO (to)
Brown clay	0	10	Gray sandy shale	315	330
Brown limestone	10	17	Red shale	330	331
Gray shale	17	47	Gray shale	331	350
Gray limestone	47	55	Gray sandy shale	350	360
Graysandy shale	55	70	Gray shale	360	380
Gray shale	70	73	Gray sandy shale	380	381
Red shale	73	74	Red shale	381	390
Gray shale	74	83	Gray shale	390	397
Gray limestone	83	88	Brown limestone	397	404
Gray shale	88	89	Black shale	404	405
Black shale	89	91	Brown limestone	405	409
Gray shale	91	103	Gray shale	409	417
Gray sandy shale	103	120	Brown limestone	417	430
Gray shale	120	135	Gray shale	430	448
Gray limestone	135	137	Brown limestone	448	452
Gray shale	137	145	Black shale	452	456
Gray limestone	145	150	Brown limestone	456	458
Gray shale	150	153	Gray sandy shale	458	460
Gray limestone	153	162	Gray sandstone w/trace oil	460	462
Gray shale	162	165	Gray sandy shale	462	475
Gray limestone	165	175	Black shale	475	477
Black shale	175	178	Gray sandy shale	477	495
Gray shale	178	183	Black shale	495	497
Gray limestone	183	203	Gray sandy shale	497	518
Gray shale	203	205	Gray shale	518	520
Black shale	205	207	Gray sandstone w/trace oil	520	531.5
Gray limestone	207	210	Gray sandstone w/gas	531.5	542.5
Gray shale	210	213	Gray sandstone w/oil	542.5	550.5
Gray limestone	213	218	Gray limestone w/trace oil	550.5	556.5
Gray sandy shale	218	220	Gray shale	556.5	566.5
Gray shale	220	315	Gray sandstone w/oil	566.5	579.5

Temporary No. 2

MISSOURI GEOLOGICAL SURVEY AND WATER RESOURCES, ROLLA, MISSOURI

COUNTY Cass
 COMPANY OR OWNER Prairie Energy Corp.
 FARM MacLaughlin WELL NO. 1-E
 LOCATION 1122' FSL, 2116' FEL SEC 4 T 46 R 33
 CONTRACTOR/DRILLER _____
 COMMENCED 4-18-83 COMPLETED 4-26-83
 PRODUCTION Oil $\frac{1}{2}$ bbls./day
 CASING RECORD _____
 WATER RECORD _____
 SOURCE OF LOG _____
 REMARKS OGC # 20389

MGS LOG NO. Driller's

+	+	+	+
+	+	+	+
+	+	+	+
+	+	+	+

NO. SAMPLES _____ SAMPLES RECEIVED _____

ELEV. 1058'
 TOTAL DEPTH 640'
 SWL _____

FORMATION	FROM (ft)	TO (to)	FORMATION	FROM (ft)	TO (to)
Gray shale w/sandstone seams	579.5	589.5			
Gray shale	589.5	640			
	T.D.	640'			

Permit #: 20389

Date Issued: 4-19-83

County: _____

Date Cancelled: _____

CONFIDENTIAL UNTIL: _____

Date Plugged: _____

COMMENTS:

OGC FORMS	Date Received
1	
2	
3	4-18-83
3i	
4	
4i	
5	6-30-83
6	
7	
8	
11	
12	
Misc. Form 2	

	TYPE	ID #	Date Received
Logs	drillers		
Samples	chip core		
Analyses	water		
	core		

Additional Submitted Data:

Additional Submitted Data:			
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APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

APPLICATION TO DRILL DEEPEN PLUG BACK
for an oil well or gas well

NAME OF COMPANY OR OPERATOR Prairie Energy Corporation DATE April 14, 1983
8600 West 110th Street STE 202 Overland Park, Kansas 66210
Address City State

DESCRIPTION OF WELL AND LEASE							
Name of lease <u>MacLaughlin</u>			Well number <u>1E</u>		Elevation (ground) <u>1058'</u>		
WELL LOCATION (give footage from section lines) <u>1122</u> ft. from XXX (S) sec. line <u>2116</u> ft. from (E) XXX sec. line							
WELL LOCATION Section <u>4</u> Township <u>46</u> Range <u>33</u>					County <u>Cass</u>		
Nearest distance from proposed location to property or lease line <u>165</u> feet				Distance from proposed location to nearest drilling, completed or applied for well on the same lease. <u>298</u> feet			
Proposed depth <u>650'</u>	Drilling contractor, name & address <u>Layne-Western Co. 620 South 38th St. KC KS</u>			Rotary or Cable Tools <u>rotary</u>	Approx. date work will start <u>4/18/83</u>		
Number of acres in lease <u>264</u>				Number of wells on lease, including this well, completed in or drilling to this reservoir: <u>10</u> Number of abandoned wells on lease: <u>none by PEC</u>			
If lease, purchased with one or more wells drilled, from whom purchased:			Name <u>N/A</u>		No. of Wells: producing _____ injection _____ inactive _____ abandoned _____		
Status of Bond Single Well <input type="checkbox"/> Amt. _____					Blanket Bond <input checked="" type="checkbox"/> Amt. <u>30,000</u>		
Remarks: (If this is an application to deepen or plug back, briefly describe work to be done, giving present producing zone and expected new producing zone) use back of form if needed.							
Proposed casing program				Approved casing -- To be filled in by State Geologist			
amt.	size	wt /ft	cem.	amt.	size	wt /ft	cem.
<u>20</u>	<u>7"</u>	<u>26</u>	<u>5 sacks</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>
<u>640</u>	<u>4 1/2"</u>	<u>11</u>	<u>75 sacks</u>	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
I, the undersigned, state that I am the <u>Land Manager</u> of the <u>Prairie Energy Corporation</u> (company), and that I am authorized by said company to make this report, and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.							
Signature: <u>Stephen R. Hughes</u>							

Permit Number 20389
Approval Date 4/19/83
Approved By Wallace B. Hughes

- Drillers log required
- Drill stem test info. required if run
- E-logs required if run
- Samples required
- Core analysis required if run
- Samples not required

RECEIVED

APR 18 1983

Note: This Permit not transferable to any other person or to any other location.
Remit two copies to: Missouri Oil and Gas Council
P.O. Box 250 Rolla, Mo. 65401
One will be returned for driller's signature

WATER SAMPLES REQUIRED @

MO. OIL & GAS COUNCIL

Approval of this permit by the Oil and Gas Council does not constitute endorsement of the geologic merits of the proposed well nor endorsement of the qualifications of the permittee.

WELL COMPLETION OR RECOMPLETION REPORT AND WELL LOG

New Well Workover Deepen Plug Back Injection Same Reservoir Different Reservoir Oil Gas Dry

Owner: **Prairie Energy Corporation** Address: **8600 West 110th Street Suite 202 Overland Park, Kansas 66210**
 Lease Name: **Maclaughlin** Well Number: **1 E**
 Location: **1122' from S line; 2116' from E line** Sec., Twp., and Range or Block and Survey: **Section 4 Township 46 Range 33**

County: **Cass** Permit number (OGC 3 or OGC 31): **20389**
 Date spudded: **4/18/83** Date total depth reached: _____ Date completed, ready to produce or inject: **4/26/83** Elevation (DF, RKR, RT, or Gr.) feet: **1058'** Elevation of casing hd. flange feet: **NA**

Total depth: **660'** P B T D: **621**
 Producing or injection interval(s) for this completion: **Squirrel** Rotary tools used (interval) From **0** to **TD** Drilling Fluid used **air** Cable tools used (interval) From _____ to _____
 Was this well directionally drilled? **No** Was (directional survey made)? **N/A** Was copy of directional survey filed? **N/A** Date filed: **N/A**
 Type of electrical or other logs run (list logs filed with the State Geologist): **Gamma Ray Neutron** Date filed: **with report**

CASING RECORD

Casing (report all strings set in well - conductor, surface, intermediate, producing, etc.)

Purpose	Size hole drilled	Size casing set	Weight (lb. ft.)	Depth set	Sacks cement	Amt. pulled
surface	8 3/4"	7"		24'	5	
casing	6 1/2"	4 1/2"		621'	96	

TUBING RECORD

LINER RECORD

Size in.	Depth set ft.	Packer set at ft.	Size in.	Top ft.	Bottom ft.	Sacks cement	Screen (ft.)

PERFORATION RECORD

ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD

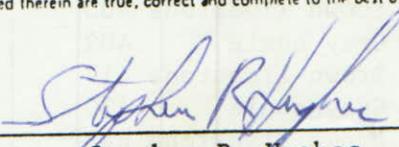
Number per ft	Size & type	Depth Interval	Amount and kind of material used	Depth Interval
	3 1/4 Torn Frac Jets	566-575	90 barrels 5AH water w/ 40 sacks sand & 1 carbuoy acid	566-575

INITIAL PRODUCTION

Date of first production or injection: _____ Producing method (indicate if flowing, gas lift, or pumping - if pumping, show size and type of pump): **pumping, 1 1/2" insert pump, 5' barrel**
 Date of test: _____ Hrs. tested: _____ Choke size: **1"** Oil produced during test: _____ bbls. Gas produced during test: _____ MCF Water produced during test: _____ bbls. Oil gravity: _____ API (Corr.)
 Tubing pressure: _____ Casing pressure: _____ Cal'd rate of Production per 24 hours: Oil **1/2** bbls. Gas **-** MCF Water **4 1/2** bbls. Gas - oil ratio: _____
 Disposition of gas (state whether vented, used for fuel or sold): **NA**

Method of disposal of mud pit contents: **drained & Buried**

CERTIFICATE: I, the undersigned, state that I am the Land Manager of the Prairie Energy Corporation (company), and that I am authorized by said company to make this report, and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

Signature:  **Stephen R. Hughes**

See Attached Drillers Log

JUN 30 1983

DETAIL OF FORMATIONS PENETRATED

Formation	Top	Bottom	Description (See * below)
Brown clay	0	10	
Brown limestone	10	17	
Gray shale	17	47	
Gray limestone	47	55	
Gray sandy shale	55	70	
Gray shale	70	73	
Red shale	73	74	
Gray shale	74	83	
Gray limestone	83	88	
Gray shale	88	89	
Black shale	89	91	
Gray shale	91	103	
Gray sandy shale	103	120	
Gray shale	120	135	
Gray limestone	135	137	
Gray shale	137	145	
Gray limestone	145	150	
Gray shale	150	153	
Gray limestone	153	162	
Gray shale	162	165	
Gray limestone	165	175	
Black shale	175	178	
Gray shale	178	183	
Gray limestone	183	203	
Gray shale	203	205	
Black shale	205	207	
Gray limestone	207	210	
Gray shale	210	213	
Gray limestone	213	218	
Gray sandy shale	218	220	
Gray shale	220	315	
Gray sandy shale	315	330	
Red shale	330	331	
Gray shale	331	350	
Gray sandy shale	350	360	
Gray shale	360	380	
Gray sandy shale	380	381	
Red shale	381	390	
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Gray shale	430	448	
Brown limestone	448	452	

*Show all important zones of porosity, detail of all cores, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

INSTRUCTIONS

Attach drillers log or other acceptable log of well. Submit analysis of injection interval formation waters.

OPERATOR Prairie Energy Corporation LEASE NAME Maclaughlin SEC. 4 TWP 46 RGE. 33

FILL IN WELL LOG AS REQUIRED: WELL NO. 1E

Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

SHOW GEOLOGICAL MARKERS, LOGS RUN, OR OTHER DESCRIPTIVE INFORMATION.

FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME	DEPTH
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Black shale	475	477		
Gray sandy shale	477	495		
Black shale	495	497		
Gray sandy shale	497	518		
Gray shale	518	520		
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Gray sandstone w/gas	531.5'	542.5'		
Gray sandstone w/oil	542.5'	550.5'		
Gray limestone w/trace oil	550.5'	556.5'		
Gray shale	556.5'	560.5'		
Gray shale	560.5'	566.5'		
Gray sandstone w/oil	566.5'	569.5'		
Gray sandstone w/oil	569.5'	579.5'		
Gray shale w/sandstone seams	579.5'	589.5'		
Gray shale	589.5'	640		
Total depth	640			

RECEIVED

JUN 30 1983

MO. OIL & GAS COUNCIL

Temporary No. _____

MISSOURI GEOLOGICAL SURVEY AND WATER RESOURCES, ROLLA, MISSOURI

COUNTY Cass
 COMPANY OR OWNER Prairie Energy Corp.
 FARM MacLaughlin WELL NO. I-E
 LOCATION 1122'FSL, 2116'FEL SEC 4 T 46 R 33
 CONTRACTOR/DRILLER _____
 COMMENCED 4-18-83 COMPLETED 4-26-83
 PRODUCTION 011 1/2 bbls./day
 CASING RECORD _____
 WATER RECORD _____
 SOURCE OF LOG _____
 REMARKS OGC # 20389

MGS LOG NO. Driller's

+	+	+	+
-	-	-	-
+	+	+	+
-	-	-	-
+	+	+	+
-	-	-	-
+	+	+	+
-	-	-	-

NO. SAMPLES _____ SAMPLES RECEIVED _____

ELEV. 1058'
 TOTAL DEPTH 640'
 SWL _____

FORMATION	FROM (ft)	TO (to)	FORMATION	FROM (ft)	TO (to)
Brown clay	0	10	Gray sandy shale	315	330
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Gray shale	120	135	Gray shale	430	448
Gray limestone	135	137	Brown limestone	448	452
Gray shale	137	145	Black shale	452	456
Gray limestone	145	150	Brown limestone	456	458
Gray shale	150	153	Gray sandy shale	458	460
Gray limestone	153	162	Gray sandstone w/trace oil	460	462
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Gray limestone	165	175	Black shale	475	477
Black shale	175	178	Gray sandy shale	477	495
Gray shale	178	183	Black shale	495	497
Gray limestone	183	203	Gray sandy shale	497	518
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Gray limestone	207	210	Gray sandstone w/gas	531.5	542.5
Gray shale	210	213	Gray sandstone w/oil	542.5	550.5
Gray limestone	213	218	Gray limestone w/trace oil	550.5	556.5
Gray sandy shale	218	220	Gray shale	556.5	566.5
Gray shale	220	315	Gray sandstone w/oil	566.5	579.5

Temporary No. 2

MISSOURI GEOLOGICAL SURVEY AND WATER RESOURCES, ROLLA, MISSOURI

COUNTY Cass
 COMPANY OR OWNER Prairie Energy Corp.
 FARM MacLaughlin WELL NO. 1-E
 LOCATION 1122' FSL, 2116' FEL SEC 4 T 46 R 33
 CONTRACTOR/DRILLER _____
 COMMENCED 4-18-83 COMPLETED 4-26-83
 PRODUCTION Oil $\frac{1}{2}$ bbls./day
 CASING RECORD _____
 WATER RECORD _____
 SOURCE OF LOG _____
 REMARKS OGC # 20389

MGS LOG NO. Driller's

+	-	-	-
-	+	-	-
-	-	+	-
-	-	-	+

NO. SAMPLES _____ SAMPLES RECEIVED _____

ELEV. 1058'
 TOTAL DEPTH 640'
 SWL _____

FORMATION	FROM (ft)	TO (to)	FORMATION	FROM (ft)	TO (to)
Gray shale w/sandstone seams	579.5	589.5			
Gray shale	589.5	640			
T.D.	640'				



STATE OF MISSOURI
MISSOURI DEPARTMENT OF NATURAL RESOURCES
GEOLOGICAL SURVEY PROGRAM
PLUGGING RECORD

RECEIVED
FORM OGC-7

FEB 26 2013

OWNER'S NAME Kansas Resource Exploration & Development, LLC		ADDRESS 9393 W 110th Street, Ste. 500 Mo Oil & Gas Council	
NAME OF LEASE MacLaughlin		WELL NUMBER 1-E	PERMIT NUMBER (OGC-3 OR OGC-31 NUMBER) 037-20389
LOCATION OF WELL SEC TWN RNG OR BLOCK AND SURVEY Sec. 4 Township 46 North Range 33 <input type="checkbox"/> East <input checked="" type="checkbox"/> West		LATITUDE N38 50' 5.09"	LONGITUDE W94 34' 21.80"
APPLICATION TO DRILL THIS WELL WAS FILED IN NAME OF: Prairie Energy Corporation		HAS THIS WELL EVER PRODUCED OIL OR GAS? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	CHARACTER OF WELL AT COMPLETION (INITIAL PRODUCTION) OIL (BBLS/DAY) .50 GAS (MCF/DAY) 0
DATE OF ABANDONMENT 02/20/2013	TOTAL DEPTH 660'	AMOUNT WELL PRODUCING PRIOR TO ABANDONMENT OIL (BBLS/DAY) .15 GAS (MCF/DAY) N/A	WATER (BBLS/DAY) 0

Name of each formation containing oil or gas. Indicate which formation open to well bore at time of abandonment	Fluid content of each formation	Depth interval of each formation	Size, kind, and depth of plugs used, giving amount of cement.
Squirrel Sandstone	Oil and Water	566'-575'	Squeezed 107 sks of Portland from surface to 621', topped off the well with 5 additional sks of Portland, shut in with 2" valve

SIZE PIPE	PUT IN WELL (FT)	PULLED OUT (FT)	LEFT IN WELL (FT)	GIVE DEPTH AND METHOD OF PARTING CASING (SHOT, RIPPED, ETC.)	PACKERS AND SHOES
4 1/2"	621'	0	621'	N/A	None
7"	24'	0	24'	N/A	None

WAS WELL FILLED WITH MUD-LADEN FLUID? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	INDICATE DEEPEST FORMATION CONTAINING FRESH WATER None
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NAME AND ADDRESSES OF ADJACENT LEASE OPERATORS OR OWNERS OF THE SURFACE

NAME	ADDRESS	DIRECTION FROM THIS WELL
Maclaughlin, J.R. and A	1103 W47th, Apt B Kansas City, MO 64112	North
Byram, Joyce & John	16601 S. Holmes Rd., Belton, MO 64012	South
Cass Property Energy, LLC	311 E. 135th St, Kansas City, MO 64148	East
LL North, LLC	PO Box 14146, Parkville, MO 64152	West

METHOD OF DISPOSAL OF MUD PIT CONTENTS	There was no pit used in this process, cement was squeezed directly down the well
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NOTE	FILE THIS FORM IN DUPLICATE WITH: (USE REVERSE SIDE FOR ADDITIONAL DETAIL)
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CERTIFICATE I, the undersigned, state that I am the _____ of the _____ (Company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

SIGNATURE 	DATE 02/24/2013
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