

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 September 27, 1982  
8600 West 110th St., Suite 202 Overland Park Kansas 66210  
Address City State

DESCRIPTION OF WELL AND LEASE			
Name of lease <u>MacLaughlin</u>	Well number <u>1-J</u>	Elevation (ground) <u>1050</u>	
WELL LOCATION (give footage from section lines) <u>1322</u> ft from <del>XX</del> (S) sec line <u>2502</u> ft from <del>XX</del> (W) 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>400</u> feet		Distance from proposed location to nearest drilling, completed or applied for well on the same lease. <u>590</u> feet	
Proposed depth <u>700</u>	Drilling contractor, name & address <u>Layne-Western</u>	Rotary or Cable Tools <u>Rotary</u>	Approx. date work will start <u>9/27/82</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>6</u> Number of abandoned wells on lease: _____	
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>25'</u>	<u>7"</u>	<u>26</u>	<u>6 sacks</u>
<u>650'</u>	<u>4"</u>	<u>6</u>	<u>80 sacks</u>
_____	_____	_____	_____
_____	_____	_____	_____
I, the undersigned, state that I am the <u>Land Manager</u> of the <u>Prairie Energy Co.</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>[Signature]</u>			

Permit Number #20374  
Approval Date 9/30/82  
Approved By Wallace B. Hume  
[Signature]

- Drillers log required
- E-logs required if run
- Core analysis required if run
- Drill stem test info. required if run
- Samples required
- 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  
SEP 30 1982

WATER SAMPLES REQUIRED @  
\_\_\_\_\_  
\_\_\_\_\_

WELL COMPLETION OR RECOMPLETION REPORT AND WELL LOG

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

Owner <b>Prairie Energy Corporation</b>		Address <b>8600 West 110th Street STE 202 Overland Park, Kansas 66210</b>	
Lease Name <b>MacLaughlin</b>		Well Number <b>1-J</b>	
Location <b>1322' FSL, 2502' FWL</b>		Sec., Twp., and Range or Block and Survey <b>Sec. 4, T46, R33</b>	
County <b>Cass</b>	Permit number (OGC 3 or OGC 31) <b>20374</b>		
Date spudded <b>9/27/82</b>	Date total depth reached <b>9/29/82</b>	Date completed, ready to produce or inject <b>10/22/82</b>	Elevation (DF, RKR, RT, or Gr) feet <b>1050</b>
Total depth <b>633</b>	P. B. T. D.		
Producing or injection interval(s) for this completion <b>Squirrel</b>		Rotary tools used (interval) From <b>0</b> to <b>TD</b> Drilling Fluid used <b>air &amp; water</b>	Cable tools used (interval) From _____ to _____
Was this well directionally drilled? <b>no</b>	Was directional survey made? <b>no</b>	Was copy of directional survey filed? <b>no</b>	Date filed <b>-</b>
Type of electrical or other logs run (list logs filed with the State Geologist) <b>Gamma Ray Neutron</b>			Date filed <b>attached</b>

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	9"	7"		20	5	
production	6 1/4	4 1/2		608	68	

TUBING RECORD

LINER RECORD

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

ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD

Number per ft.	Size & type	Depth Interval	Amount and kind of material used	Depth Interval
12 shots		548-557	105 bbl water, 50 sacks	
		562-564	sand, 2 carbouys acid	548-564

INITIAL PRODUCTION

Date of first production or injection <b>10/28/82</b>		Producing method (indicate if flowing, gas lift, or pumping -- if pumping, show size and type of pump) <b>pumping 1 1/2" insert pump, 5' barrel</b>				
Date of test <b>10/28/82</b>	Hrs. tested	Choke size	Oil produced during test <b>3</b> bbls.	Gas produced during test <b>-</b> MCF	Water produced during test <b>5</b> bbls.	Oil gravity <b>24</b> API (Corr.)
Tubing pressure	Casing pressure	Cal'ed rate of Production per 24 hours	Oil bbls.	Gas MCF	Water bbls.	Gas - oil ratio

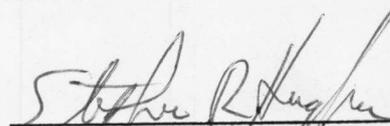
(Disposition of gas (state whether vented, used for fuel or sold):

**N/A**

Method of disposal of mud pit contents

**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**

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APR 01 1983

MO. OIL & GAS COUNCIL

3/12/1982

## TEST BORING LOG

Project Prairie Energy Corporation

Boring No. 1-J Sheet 1 of 3

Surface Elevation \_\_\_\_\_ Offset \_\_\_\_\_

Address \_\_\_\_\_

Date Started 10/1/82 Completed 10/3/82

City & State Martin City, Missouri

Driller V. Campbell Rig D-15

Sec 4 T46N R33W  
1322' FSL 2582 FWL

Abbreviations: A.O. - Auger Only R.B. - Rock Bit C.W. - Core Water  
H.A. - Hollow Auger S.S. - Split Spoon C.A. - Core Air  
W.B. - Wash Bore S.T. - Shelby Tube F.B. - Finger Bit

DEPTH		METHOD	PENETRATION RECORD		CORE RECOVERY	SAMPLE DESCRIPTION  COLOR-MATERIAL-MOISTURE-CLAY CONSISTENCY SAND DENSITY
FROM	TO		POCKET PENETRO-METER	NO. OF BLOWS		
0.0'	8.0'	RB				Brown clay
8.0'	18.0'	RB				Gray limestone w/shale layers
18.0'	23.0'	RB				Gray limestone
23.0'	52.0'	RB				Gray shale
52.0'	62.0'	RB				Gray limestone
62.0'	81.0'	RB				Gray shale
81.0'	84.0'	RB				Red shale
84.0'	90.0'	RB				Gray shale
90.0'	95.0'	RB				Gray limestone
95.0'	137.0'	RB				Gray shale
137.0'	139.0'	RB				Gray limestone
139.0'	147.0'	RB				Gray shale
147.0'	203.0'	RB				Gray limestone
203.0'	207.0'	RB				Black shale
207.0'	209.0'	RB				Gray shale
209.0'	212.0'	RB				Gray limestone

**RECEIVED**  
**APR 01 1983**  
**MO. OIL & GAS COUNCIL**

Continued  
REMARKS: (Casing, Water Loss, Etc.) \_\_\_\_\_ Water Level \_\_\_\_\_ Time \_\_\_\_\_ Date \_\_\_\_\_ (Completion)

## TEST BORING LOG

Project Prairie Energy Corporation

Boring No. 1-J Sheet 2 of 3

Surface Elevation \_\_\_\_\_ Offset \_\_\_\_\_

Address \_\_\_\_\_

Date Started \_\_\_\_\_ Completed \_\_\_\_\_

City & State \_\_\_\_\_

Driller \_\_\_\_\_ Rig \_\_\_\_\_

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DEPTH		METHOD	PENETRATION RECORD		CORE RECOVERY	SAMPLE DESCRIPTION  COLOR-MATERIAL-MOISTURE-CLAY CONSISTENCY SAND DENSITY
FROM	TO		POCKET PENETRO-METER	NO. OF BLOWS		
212.0'	215.0'	RB				Gray shale
215.0'	218.0'	RB				Gray limestone
218.0'	224.0'	RB				Gray shale
224.0'	227.0'	RB				Gray limestone
227.0'	240.0'	RB				Gray sandy shale
240.0'	255.0'	RB				Gray shale
255.0'	264.0'	RB				Gray sandy shale
264.0'	325.0'	RB				Gray shale
325.0'	335.0'	RB				Gray sandy shale
335.0'	350.0'	RB				Gray shale
350.0'	352.0'	RB				Black shale
352.0'	383.0'	RB				Gray shale
383.0'	386.0'	RB				Gray limestone
386.0'	400.0'	RB				Gray shale
400.0'	407.0'	RB				Gray limestone
407.0'	410.0'	RB				Gray shale

Continued  
 REMARKS: (Casing, Water Loss, Etc.) \_\_\_\_\_ Water Level \_\_\_\_\_ Time \_\_\_\_\_ Date \_\_\_\_\_ (Completion)

## TEST BORING LOG

Project Prairie Energy Corporation  
 Address \_\_\_\_\_  
 City & State \_\_\_\_\_

Boring No. 1-J Sheet 3 of 3  
 Surface Elevation \_\_\_\_\_ Offset \_\_\_\_\_  
 Date Started \_\_\_\_\_ Completed \_\_\_\_\_  
 Driller \_\_\_\_\_ Rig \_\_\_\_\_

Abbreviations: A.O. - Auger Only R.B. - Rock Bit C.W. - Core Water  
 H.A. - Hollow Auger S.S. - Split Spoon C.A. - Core Air  
 W.B. - Wash Bore S.T. - Shelby Tube F.B. - Finger Bit

DEPTH		METHOD	PENETRATION RECORD		CORE RECOVERY	SAMPLE DESCRIPTION COLOR-MATERIAL-MOISTURE-CLAY CONSISTENCY SAND DENSITY
FROM	TO		POCKET PENETRO-METER	NO. OF BLOWS		
410.0'	411.0'	RB				Gray limestone
411.0'	418.0'	RB				Gray shale
418.0'	427.0'	RB				Brown limestone
427.0'	450.0'	RB				Gray shale
450.0'	453.0'	RB				Gray limestone
453.0'	470.0'	RB				Dark gray shale
470.0'	491.0'	RB				Gray shale
491.0'	522.0'	RB				Gray sandy shale
522.0'	544.0'	RB				Gray sandstone
544.0'	564.0'	CW1			11.0'	Gray sandstone w/oil
564.0'	578.0'	CW2			14.0'	Same
578.0'	590.0'	RB				Gray sandstone w/water
590.0'	592.0'	RB				Gray limestone
592.0'	607.0'	RB				Gray shale
607.0'	609.0'	RB				Gray limestone
609.0'	640.0'	RB				Gray shale

640.0' Total depth  
 REMARKS: (Casing, Water Loss, Etc.) \_\_\_\_\_ Water Level \_\_\_\_\_ Time \_\_\_\_\_ Date \_\_\_\_\_  
 Set 18' of 8" surface pipe \_\_\_\_\_ (Completion)

Temporary No. \_\_\_\_\_

MISSOURI GEOLOGICAL SURVEY AND WATER RESOURCES, ROLLA, MISSOURI

COUNTY Cass  
 COMPANY OR OWNER Prairie Energy Corp.  
 FARM MacLaughlin WELL NO. 1-J  
 LOCATION 1322'FSL, 2502'FWL SEC 4 T 46 R 33  
 CONTRACTOR/DRILLER V. Campbell  
 COMMENCED 10-1-82 COMPLETED 103-82  
 PRODUCTION Oil oil 3 bbls./day during test  
 CASING RECORD \_\_\_\_\_  
 WATER RECORD \_\_\_\_\_  
 SOURCE OF LOG \_\_\_\_\_  
 REMARKS OGC # 20374

MGS LOG NO. Drillers

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

NO. SAMPLES \_\_\_\_\_

SAMPLES RECEIVED \_\_\_\_\_

ELEV. 1050'  
 TOTAL DEPTH 640'  
 SWL \_\_\_\_\_

FORMATION	FROM (ft)	TO (to)	FORMATION	FROM (ft)	TO (to)
Brown clay	0	8.0	Gray shale	407.0	410.0
Gray limestone w/shale layers	8.0	18.0	Gray limestone	410.0	411.0
Gray limestone	18.0	23.0	Gray shale	411.0	418.0
Gray shale	23.0	52.0	Brown limestone	418.0	427.0
Gray limestone	52.0	62.0	Gray shale	427.0	450.0
Gray shale	62.0	81.0	Gray limestone	450.0	453.0
Red shale	81.0	84.0	Dark gray shale	453.0	470.0
Gray shale	84.0	90.0	Gray shale	470.0	491.0
Gray limestone	90.0	95.0	Gray sandy shale	491.0	522.0
Gray shale	95.0	139.0	Gray sandstone	522.0	544.0
Gray limestone	137.0	139.0	Gray sandstone w/oil	544.0	564.0
Gray shale	139.0	147.0	Same	564.0	578.0
Gray limestone	147.0	203.0	Gray sandstone w/water	578.0	590.0
Black shale	203.0	207.0	Gray limestone	590.0	592.0
Gray shale	207.0	209.0	Gray shale	592.0	607.0
Gray limestone	209.0	212.0	Gray limestone	607.0	609.0
Gray shale	212.0	215.0	Gray shale	609.0	640.0
Gray limestone	215.0	218.0			
Gray shale	218.0	224.0			
Gray limestone	224.0	227.0			
Gray sandy shale	227.0	240.0			
Gray shale	240.0	255.0			
Gray sandy shale	255.0	264.0			
Gray shale	264.0	325.0			
Gray sandy shale	325.0	335.0			
Gray shale	335.0	350.0			
Black shale	350.0	352.0			
Gray shale	352.0	383.0			
Gray limestone	383.0	386.0			
Gray shale	386.0	400.0			
Gray limestone	400.0	407.0			
				T.D.	640.0'

Permit #: 20374

Date Issued: 9-30-82

County: Cass

Date Cancelled:

CONFIDENTIAL UNTIL:

Date Plugged:

COMMENTS:

OGC FORMS	Date Received
1	
2	
3	9-30-82
3i	
4	
4i	
5	4-1-83
6	
7	
8	
11	
12	
Misc. Form 2	

	TYPE	ID #	Date Received
Logs	drillers		
	test boring		4-1-83
Samples	chip core		
	water		
Analyses	core		

Additional Submitted Data:

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 September 27, 1982  
8600 West 110th St., Suite 202 Overland Park Kansas 66210  
Address City State

DESCRIPTION OF WELL AND LEASE			
Name of lease <u>MacLaughlin</u>	Well number <u>1-J</u>	Elevation (ground) <u>1050</u>	
WELL LOCATION (give footage from section lines) <u>1322</u> ft from <del>XX</del> (S) sec. line <u>2502</u> ft from <del>XX</del> (W) 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>400</u> feet		Distance from proposed location to nearest drilling completed or applied for well on the same lease <u>590</u> feet	
Proposed depth <u>700</u>	Drilling contractor, name & address <u>Layne-Western</u>	Rotary or Cable Tools <u>Rotary</u>	Approx. date work will start <u>9/27/82</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>6</u> Number of abandoned wells on lease: _____	
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>25'</u>	<u>7"</u>	<u>26</u>	<u>6 sacks</u>
<u>650'</u>	<u>4"</u>	<u>6</u>	<u>80 sacks</u>
_____	_____	_____	_____
_____	_____	_____	_____
I, the undersigned, state that I am the <u>Land Manager</u> of the <u>Prairie Energy Co.</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 #20374  
Approval Date 9/30/82  
Approved By Wallace B. Hughes

- Drillers log required
- E-logs required if run
- Core analysis required if run
- Drill stem test info. required if run
- Samples required
- 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  
SEP 30 1982

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 <b>Prairie Energy Corporation</b>		Address <b>8600 West 110th Street STE 202 Overland Park, Kansas 66210</b>			
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Location <b>1322' FSL, 2502' FWL</b>			Sec., Twp., and Range or Block and Survey <b>Sec. 4, T46, R33</b>		
County <b>Cass</b>	Permit number (OGC 3 or OGC 31) <b>20374</b>				
Date spudded <b>9/27/82</b>	Date total depth reached <b>9/29/82</b>	Date completed, ready to produce or inject <b>10/22/82</b>	Elevation (DF, RKR, RT, or GI) feet <b>1050</b>	Elevation of casing hd. flange feet	
Total depth <b>633</b>	P. B. T. D.				
Producing or injection interval(s) for this completion <b>Squirrel</b>		Rotary tools used (interval) From <b>0</b> to <b>TD</b> Drilling Fluid used <b>air &amp; water</b>		Cable tools used (interval) From _____ to _____	
Was this well directionally drilled? <b>no</b>	Was directional survey made? <b>no</b>	Was copy of directional survey filed? <b>no</b>		Date filed <b>-</b>	
Type of electrical or other logs run (list logs filed with the State Geologist) <b>Gamma Ray Neutron</b>				Date filed <b>attached</b>	

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
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TUBING RECORD

LINER RECORD

Size in.	Depth set ft.	Packer set at ft.	Size in.	Top ft.	Bottom ft.	Sacks cement	Screen (ft.)
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ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD

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12 shots		548-557	105 bbl water, 50 sacks	
		562-564	sand, 2 carboys acid	548-564

INITIAL PRODUCTION

Date of first production or injection <b>10/28/82</b>		Producing method (indicate if flowing, gas lift, or pumping - if pumping, show size and type of pump) <b>pumping - 1 1/2" insert pump, 5' barrel</b>				
Date of test <b>10/28/82</b>	Hrs. tested	Choke size	Oil produced during test <b>3</b> bbls.	Gas produced during test <b>-</b> MCF	Water produced during test <b>5</b> bbls.	Oil gravity <b>24</b> API (Corr.)
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Disposition of gas (state whether vented, used for fuel or sold):  
**N/A**

Method of disposal of mud pit contents:  
**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**

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MO. OIL & GAS COUNCIL

3/12/1982



## TEST BORING LOG

Project Prairie Energy Corporation

Boring No. 1-J Sheet 1 of 3

Surface Elevation \_\_\_\_\_ Offset \_\_\_\_\_

Address \_\_\_\_\_

Date Started 10/1/82 Completed 10/3/82

City & State Martin City, Missouri

Driller V. Campbell Rig D-15'

*Sec 4 T46N R33W  
1322' FSL 2582 FWL*

Abbreviations: A.O. - Auger Only R.B. - Rock Bit C.W. - Core Water  
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**APR 01 1983**

**MO. OIL & GAS COUNCIL**

Continued  
REMARKS: (Casing, Water Loss, Etc.)

Water Level \_\_\_\_\_ Time \_\_\_\_\_ Date \_\_\_\_\_ (Completion)

## TEST BORING LOG

Project Prairie Energy Corporation

Boring No. 1-J Sheet 2 of 3

Surface Elevation \_\_\_\_\_ Offset \_\_\_\_\_

Address \_\_\_\_\_

Date Started \_\_\_\_\_ Completed \_\_\_\_\_

City & State \_\_\_\_\_

Driller \_\_\_\_\_ Rig \_\_\_\_\_

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218.0'	224.0'	RB				Gray shale
224.0'	227.0'	RB				Gray limestone
227.0'	240.0'	RB				Gray sandy shale
240.0'	255.0'	RB				Gray shale
255.0'	264.0'	RB				Gray sandy shale
264.0'	325.0'	RB				Gray shale
325.0'	335.0'	RB				Gray sandy shale
335.0'	350.0'	RB				Gray shale
350.0'	352.0'	RB				Black shale
352.0'	383.0'	RB				Gray shale
383.0'	386.0'	RB				Gray limestone
386.0'	400.0'	RB				Gray shale
400.0'	407.0'	RB				Gray limestone
407.0'	410.0'	RB				Gray shale

Continued  
 REMARKS: (Casing, Water Loss, Etc.)

Water Level

Time

Date

(Completion)

**Layne-Western Company, Inc.**

## TEST BORING LOG

Project Prairie Energy Corporation

Boring No. 1-J Sheet 3 of 3

Surface Elevation \_\_\_\_\_ Offset \_\_\_\_\_

Address \_\_\_\_\_

Date Started \_\_\_\_\_ Completed \_\_\_\_\_

City & State \_\_\_\_\_

Driller \_\_\_\_\_ Rig \_\_\_\_\_

Abbreviations: A.O. - Auger Only R.B. - Rock Bit C.W. - Core Water  
 H.A. - Hollow Auger S.S. - Split Spoon C.A. - Core Air  
 W.B. - Wash Bore S.T. - Shelby Tube F.B. - Finger Bit

DEPTH		METHOD	PENETRATION RECORD		CORE RECOVERY	SAMPLE DESCRIPTION  COLOR-MATERIAL-MOISTURE-CLAY CONSISTENCY SAND DENSITY
FROM	TO		POCKET PENETRO-METER	NO. OF BLOWS		
410.0'	411.0'	RB				Gray limestone
411.0'	418.0'	RB				Gray shale
418.0'	427.0'	RB				Brown limestone
427.0'	450.0'	RB				Gray shale
450.0'	453.0'	RB				Gray limestone
453.0'	470.0'	RB				Dark gray shale
470.0'	491.0'	RB				Gray shale
491.0'	522.0'	RB				Gray sandy shale
522.0'	544.0'	RB				Gray sandstone
544.0'	564.0'	CW1			11.0'	Gray sandstone w/oil
564.0'	578.0'	CW2			14.0'	Same
578.0'	590.0'	RB				Gray sandstone w/water
590.0'	592.0'	RB				Gray limestone
592.0'	607.0'	RB				Gray shale
607.0'	609.0'	RB				Gray limestone
609.0'	640.0'	RB				Gray shale

640.0' Total depth  
 REMARKS: (Casing, Water Loss, Etc.) \_\_\_\_\_ Water Level \_\_\_\_\_ Time \_\_\_\_\_ Date \_\_\_\_\_  
 Set 18' of 8" surface pipe \_\_\_\_\_ (Completion)

Temporary No. \_\_\_\_\_

MISSOURI GEOLOGICAL SURVEY AND WATER RESOURCES, ROLLA, MISSOURI

COUNTY Cass  
 COMPANY OR OWNER Prairie Energy Corp.  
 FARM Maclaughlin WELL NO. 1-J  
 LOCATION 1322'FSL, 2502'FWL SEC 4 T 46 R 33  
 CONTRACTOR/DRILLER V. Campbell  
 COMMENCED 10-1-82 COMPLETED 103-82  
 PRODUCTION Oil Oil 3 bbls./day during test  
 CASING RECORD \_\_\_\_\_  
 WATER RECORD \_\_\_\_\_  
 SOURCE OF LOG \_\_\_\_\_  
 REMARKS OGC # 20374

MGS LOG NO. Drillers

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

NO. SAMPLES \_\_\_\_\_

SAMPLES RECEIVED \_\_\_\_\_

ELEV. 1050'  
 TOTAL DEPTH 640'  
 SWL \_\_\_\_\_

FORMATION	FROM (ft)	TO (to)	FORMATION	FROM (ft)	TO (to)
Brown clay	0	8.0	Gray shale	407.0	410.0
Gray limestone w/shale layers	8.0	18.0	Gray limestone	410.0	411.0
Gray limestone	18.0	23.0	Gray shale	411.0	418.0
Gray shale	23.0	52.0	Brown limestone	418.0	427.0
Gray limestone	52.0	62.0	Gray shale	427.0	450.0
Gray shale	62.0	81.0	Gray limestone	450.0	453.0
Red shale	81.0	84.0	Dark gray shale	453.0	470.0
Gray shale	84.0	90.0	Gray shale	470.0	491.0
Gray limestone	90.0	95.0	Gray sandy shale	491.0	522.0
Gray shale	95.0	139.0	Gray sandstone	522.0	544.0
Gray limestone	137.0	139.0	Gray sandstone w/oil	544.0	564.0
Gray shale	139.0	147.0	Same	564.0	578.0
Gray limestone	147.0	203.0	Gray sandstone w/water	578.0	590.0
Black shale	203.0	207.0	Gray limestone	590.0	592.0
Gray shale	207.0	209.0	Gray shale	592.0	607.0
Gray limestone	209.0	212.0	Gray limestone	607.0	609.0
Gray shale	212.0	215.0	Gray shale	609.0	640.0
Gray limestone	215.0	218.0			
Gray shale	218.0	224.0			
Gray limestone	224.0	227.0			
Gray sandy shale	227.0	240.0			
Gray shale	240.0	255.0			
Gray sandy shale	255.0	264.0			
Gray shale	264.0	325.0			
Gray sandy shale	325.0	335.0			
Gray shale	335.0	350.0			
Black shale	350.0	352.0			
Gray shale	352.0	383.0			
Gray limestone	383.0	386.0			
Gray shale	386.0	400.0			
Gray limestone	400.0	407.0			

T.D. 640.0'

RECEIVED

FORM OGC-7

FEB 26 2013



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

Mo Oil & Gas Council

OWNER'S NAME Kansas Resource Exploration & Development, LLC		ADDRESS 9393 W 110th Street, Ste. 500	
NAME OF LEASE MacLaughlin		WELL NUMBER 1-J	PERMIT NUMBER (OGC-3 OR OGC-31 NUMBER) 037-20374
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' 7.52"	LONGITUDE W94 34' 31.25" COUNTY Cass
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) 3 GAS (MCF/DAY) 0	DRY? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
DATE OF ABANDONMENT 02/20/2013	TOTAL DEPTH 633'	AMOUNT WELL PRODUCING PRIOR TO ABANDONMENT OIL (BBLS/DAY) 1 GAS (MCF/DAY) 0	WATER (BBLS/DAY) 5

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	548'-557'	Squeezed 108 sks of Portland from surface
		562'-564'	to 608', 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"	608'	0	608'	N/A	None
7"	20'	0	20'	N/A	None

WAS WELL FILLED WITH MUD-LADEN FLUID?  Yes  No

INDICATE DEEPEST FORMATION CONTAINING FRESH WATER  
None

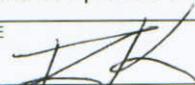
**NAME AND ADDRESSES OF ADJACENT LEASE OPERATORS OR OWNERS OF THE SURFACE**

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

**NOTE** FILE THIS FORM IN DUPLICATE WITH: (USE REVERSE SIDE FOR ADDITIONAL DETAIL)

**CERTIFICATE** I, the undersigned, state that I am the Chief Operating Officer of the Kansas Resource Exploration and Development, LLC (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