

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 8/8/83

8600 W. 110th street, suite 202 Overland Park, Kansas 66210

Address

City

State

DESCRIPTION OF WELL AND LEASE

Name of lease Knoche Well number 10 Elevation (ground) 980

WELL LOCATION 364 (give footage from section lines) 1169
ft. from ~~XXX~~ (S) sec. line ft. from (E) (W) sec. line

WELL LOCATION Section 4 Township 46 Range 33 County Cass

Nearest distance from proposed location to property or lease line: 165 feet
Distance from proposed location to nearest drilling, completed or applied for well on the same lease: 670 feet

Proposed depth 600 Drilling contractor, name & address Layne-Western Rotary or Cable Tools rotary Approx. date work will start 8/9/83

Number of acres in lease ±80 Number of wells on lease, including this well, completed in or drilling to this reservoir: 7
Number of abandoned wells on lease: unknown

If lease, purchased with one or more wells drilled, from whom purchased: Name General Energy No. of Wells: producing 3
Address _____ injection _____
inactive _____
abandoned _____

Status of Bond Single Well Amt. _____ Blanket Bond Amt. 30,000 ON FILE 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.	amt.	size	wt./ft.	cem.
<u>23</u>	<u>7"</u>		<u>5 sacks</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<u>100</u>	<u>2 7/8"</u>		<u>70 sacks</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

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 Stephen R. Hughes

Permit Number: 20399
Approval Date: 8-15-83
Approved By: Wallace B. Howe
BWN

- 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.
RECEIVED
AUG 12 1983
WATER SAMPLES REQUIRED @ _____

Remit two copies to: Missouri Oil and Gas Council
P.O. Box 250 Rolla, Mo. 65401
One will be returned for driller's signature

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 W. 110th ST. Suite 202	
Lease Name Knoche		Well Number 10	O.P., KS 66210
Location 364' from S. line; 1169' from W line		Sec., Twp., and Range or Block and Survey S4 T46 R33	
County Cass	Permit number (OGC 3 or OGC 31) 20399		
Date spudded 8/8/83	Date total depth reached 8/11/83	Date completed, ready to produce or inject 9/1/83	Elevation (DF, RKR, RT, or Gr.) feet 980'
Total depth 567'	P. B. T. D. 556'		
Producing or injection interval(s) for this completion		Rotary tools used (interval) From _____ to _____ Drilling Fluid used _____	Cable tools used (interval) From _____ to _____
Was this well directionally drilled?	Was directional survey made?	Was copy of directional survey filed?	Date filed
Type of electrical or other logs run (list logs filed with the State Geologist)			Date filed

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"	6 5/8"	13'	24'	5	
casing	5 5/8	2 7/8"	7.5'	556'	77	

TUBING RECORD

LINER RECORD

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

PERFORATION RECORD

ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD

Number per ft	Size & type	Depth Interval	Amount and kind of material used	Depth Interval
			30 sks. sand	
			65 bbls water	

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 9/1/83	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 2 bbls.	Gas MCF	Water 1 bbls.	Gas - oil ratio

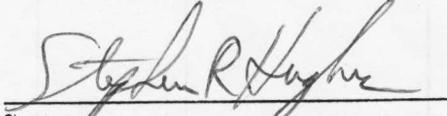
Disposition of gas (state whether vented, used for fuel or sold):

NA

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

See Attached Drillers Log

RECEIVED

OCT 24 1983

3/12/1982

MO. OIL & GAS COUNCIL



MISSOURI DEPARTMENT OF NATURAL RESOURCES
MISSOURI OIL AND GAS COUNCIL
PLUGGING RECORD

FORM OGC-7

OWNER Colt Energy, Inc.		ADDRESS 304 N Jefferson, Iola, KS 66749			
NAME OF LEASE Knoche		WELL NUMBER 10	PERMIT NUMBER (OGC-3 OR OGC-3I NUMBER) 20399		
LOCATION OF WELL 364' FSL 1169FWL		SEC-TWP-RNG OR BLOCK & SURVEY 4-46-33	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) 2		DRY? No
DATE ABANDONED 6-20-97	TOTAL DEPTH 567	AMOUNT WELL PRODUCING PRIOR TO ABANDONMENT OIL (BBLS/DAY) N/A		WATER (BBLS/DAY) N/A	
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	
Squirrel		Oil		501-504	
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
6 5/8	24'		24'		
2 7/8	556'		556'		Ran 1" to TD Pumped 15sxs cement to surface. Pulled 1" hooked on to 1" squeezed well Closed well in @1000PSI Well Plugged
WAS WELL FILLED WITH MUD-LADEN FLUID?		INDICATE DEEPEST FORMATION CONTAINING FRESH WATER			
NAME AND ADDRESSES OF ADJACENT LEASE OPERATORS OR OWNERS OF THE SURFACE					
NAME		ADDRESS		DIRECTION FROM THIS WELL	
METHOD OF DISPOSAL OF MUD PIT CONTENTS		Pumped out pushed in			
NOTE: FILE THIS FORM IN DUPLICATE WITH. (USE REVERSE SIDE FOR ADDITIONAL DETAIL)					
CERTIFICATE I, the undersigned, state that I am the <u>Agent</u> of the <u>Colt Energy, Inc.</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 <i>Dennis Keshner</i>				DATE 7-22-97	

RECEIVED
JUL 24 1997

MO Oil & Gas Council

TEST BORING LOG

Project Prairie Energy Corporation
Knoche Lease
 Address _____
 City & State Cass County, Missouri

Boring No. Knoche 10 Sheet 1 of 5
 Surface Elevation _____ Offset _____
 Date Started 8/8/83 Completed 8/11/83
 Driller V. R. Campbell Rig D-15

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'	2.0'	RB				Brown clay
2.0'	3.0'	RB				Brown limestone
3.0'	12.0'	RB				Brown shale
12.0'	17.0'	RB				Gray shale
17.0'	18.0'	RB				Red shale
18.0'	30.0'	RB				Gray shale
30.0'	35.0'	RB				Gray limestone
35.0'	51.0'	RB				Gray shale
51.0'	52.0'	RB				Brown limestone
52.0'	84.0'	RB				Gray sandy shale
84.0'	86.0'	RB				Brown limestone
86.0'	95.0'	RB				Gray shale
95.0'	97.0'	RB				Brown limestone
97.0'	99.0'	RB				Gray shale
99.0'	122.0'	RB				Gray limestone
122.0'	124.0'	RB				Gray shale

REMARKS: (Casing, Water Loss, Etc.)

Water Level

Time

Date

RECEIVED (Completion)

OCT 24 1983

Layne-Western Company, Inc.

MO. OIL & GAS COUNCIL

TEST BORING LOG

Project Prairie Energy Corporation

Boring No. Knoche 10 Sheet 2 of 5

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		
124.0'	126.0'	RB				Black shale
126.0'	130.0'	RB				Gray shale
130.0'	150.0'	RB				Gray limestone
150.0'	151.0'	RB				Gray shale
151.0'	155.0'	RB				Black shale
155.0'	157.0'	RB				Gray limestone
157.0'	159.0'	RB				Gray shale
159.0'	167.0'	RB				Gray limestone
167.0'	175.0'	RB				Gray shale w/limestone seams
175.0'	245.0'	RB				Gray sandy shale
245.0'	270.0'	RB				Gray shale
270.0'	280.0'	RB				Gray sandy shale
280.0'	295.0'	RB				Gray shale
295.0'	297.0'	RB				Black shale
297.0'	305.0'	RB				Gray shale
305.0'	310.0'	RB				Gray sandy shale

REMARKS: (Casing, Water Loss, Etc.)

Water Level

Time

Date

(Completion)

TEST BORING LOG

Project Prairie Energy Corporation

Boring No. Knoche 10 Sheet 3 of 5

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		
310.0'	312.0'	RB				Gray limestone
312.0'	325.0'	RB				Gray shale
325.0'	330.0'	RB				Red shale
330.0'	335.0'	RB				Gray shale
335.0'	348.0'	RB				Gray sandy shale
348.0'	352.0'	RB				Brown limestone
352.0'	356.0'	RB				Black shale
356.0'	357.0'	RB				Brown limestone
357.0'	358.0'	RB				Gray shale
358.0'	359.0'	RB				Brown limestone
359.0'	361.0'	RB				Black shale
361.0'	368.0'	RB				Gray shale
368.0'	374.0'	RB				Gray limestone
374.0'	386.0'	RB				Gray sandy shale
386.0'	397.0'	RB				Gray shale
397.0'	401.0'	RB				Brown limestone

REMARKS: (Casing, Water Loss, Etc.)

Water Level

Time

Date

(Completion)

TEST BORING LOG

Project Prairie Energy Corporation

Boring No. Knoche 10 Sheet 4 of 5

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		
401.0'	405.0'	RB				Black shale
405.0'	407.5'	RB				Gray sandy shale
407.5'	413.5'	CW1				Gray shale
413.5'	414.0'	CW1				Black shale
414.0'	417.5'	CW1			10.0'	Gray brown limestone w/shale seams
417.5'	420.0'	RB				Same
420.0'	421.0'	RB				Black shale
421.0'	430.0'	RB				Gray shale
430.0'	431.0'	RB				Brown limestone
431.0'	435.0'	RB				Gray shale
435.0'	436.0'	RB				Gray limestone
436.0'	443.0'	RB				Gray shale
443.0'	444.0'	RB				Black shale
444.0'	451.0'	RB				Gray sandy shale
451.0'	465.0'	RB				Gray sandy shale
465.0'	488.0'	RB				Gray shale

REMARKS: (Casing, Water Loss, Etc.)

Water Level

Time

Date

(Completion)

TEST BORING LOG

Project Prairie Energy Corporation

Boring No. Knoche 10 Sheet 5 of 5

Address _____

Surface Elevation _____ Offset _____

City & State _____

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		
488.0'	489.0'	RB				Black shale
489.0'	490.0'	RB				Gray shale
490.0'	498.0'	RB				Dark gray shale
498.0'	501.0'	RB				Gray shale w/trace oil
501.0'	509.0'	CW2				Brown sandstone, oil w/shale seams
509.0'	511.0'	CW2			10.0'	Gray shale
511.0'	521.0'	CW3			10.0'	Same
521.0'	535.0'	RB				Same
535.0'	536.0'	RB				Black shale
536.0'	567.0'	RB				Gray shale
567.0'	Total depth					

REMARKS: (Casing, Water Loss, Etc.) Water Level _____ Time _____ Date _____

6 5/8"

Set 24' of 8" surface casing (Completion)

Set 556' of 2-7/8" pipe

MISSOURI GEOLOGICAL SURVEY AND WATER RESOURCES, ROLLA, MISSOURI

COUNTY Cass
 COMPANY OR OWNER Prairie Energy Corp.
 FARM Knoche WELL NO. 10
 LOCATION 364'FSL, 1169'FWL SEC 4 T 46 R 33
 CONTRACTOR/DRILLER V.R. Campbell
 COMMENCED 8-8-83 COMPLETED 8-11-83
 PRODUCTION Oil 2 bbls./day
 CASING RECORD _____
 WATER RECORD _____
 SOURCE OF LOG _____
 REMARKS OGC # 20399

MGS LOG NO. Drillers

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

NO. SAMPLES _____ SAMPLES RECEIVED _____

ELEV. 980'
 TOTAL DEPTH 567'
 SWL _____

FORMATION	FROM (ft)	TO (ft)	FORMATION	FROM (ft)	TO (ft)
Brown clay	0	2	Gray limestone	310	312
Brown limestone	2	3	Gray shale	312	325
Brown shale	3	12	Red shale	325	330
Gray shale	12	17	Gray shale	330	335
Red shale	17	18	Gray sandy shale	335	348
Gray shale	18	30	Brown limestone	348	352
Gray limestone	30	35	Black shale	352	356
Gray shale	35	51	Brown limestone	356	357
Brown limestone	51	52	Gray shale	357	358
Gray sandy shale	52	84	Brown limestone	358	359
Brown limestone	84	86	Black shale	359	361
Gray shale	86	95	Gray shale	361	368
Brown limestone	95	97	Gray limestone	368	374
Gray shale	97	99	Gray sandy shale	374	386
Gray limestone	99	122	Gray shale	386	397
Gray shale	122	124	Brown limestone	397	401
Black Shale	124	126	Black shale	401	405
Gray shale	126	130	Gray sandy shale	405	407.5
Gray limestone	130	150	Gray shale	407.5	413.5
Gray shale	150	151	Black shale	413.5	414
Black shale	151	155	Gray brown limestone w/sh.	414.	417.5
Gray limestone	155	157	seams		
Gray shale	157	159	Same	417.5	420
Gray limestone	159	167	Black shale	420	421
Gray shale w/limestone seams	167	175	Gray shale	421	430
Gray sandy shale	175	245	Brown limestone	430	431
Gray shale	245	270	Gray shale	431	435
Gray sandy shale	270	280	Gray limestone	435	436
Gray shale	280	295	Gray shale	436	443
Black shale	295	297	Black shale	443	444
Gray shale	297	305	Gray sandy shale	444	451
Gray sandy shale	305	310	Gray sandy shale	451	465

MISSOURI GEOLOGICAL SURVEY AND WATER RESOURCES, ROLLA, MISSOURI

COUNTY Cass
 COMPANY OR OWNER Prairie Energy Corp.
 FARM Knoche WELL NO. 10
 LOCATION 364' FSL, 1169' FWL SEC 4 T 46 R 33
 CONTRACTOR/DRILLER V.R. Campbell
 COMMENCED 8-8-83 COMPLETED 8-11-83
 PRODUCTION Oil 2 bbls./day
 CASING RECORD _____
 WATER RECORD _____
 SOURCE OF LOG _____
 REMARKS OGC # 20399

MGS LOG NO. Drillers

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

NO. SAMPLES _____ SAMPLES RECEIVED _____

ELEV. 980'
 TOTAL DEPTH 567'
 SWL _____

FORMATION	FROM (ft)	TO (ft)	FORMATION	FROM (ft)	TO (ft)
Gray shale	465	488			
Black shale	488	489			
Gray shale	489	490			
Dark gray shale	490	498			
Gray shale w/trace oil	498	501			
Brown sandstone, oil w /shale seams	501	509			
Gray shale	509	535			
Black shale	535	536			
Gray shale	536	567			
	T.D. 567'				

Permit #: 20399

Date Issued: 8-15-83

County: Cass

Date Cancelled: _____

CONFIDENTIAL UNTIL: _____

Date Plugged: _____

COMMENTS:

OGC FORMS	Date Received
1	
2	
3	
3i	<u>08-12-83</u>
4	
4i	
5	<u>10-24-83</u>
6	
7	
8	
11	
12	
Misc. Form 2	

	TYPE	ID #	Date Received
Logs	<u>drillers</u>		
	<u>test boring</u>		<u>10-24-83</u>
Samples	<u>chip</u>		
	<u>core</u>		
Analyses	<u>water</u>		
	<u>core</u>		
Additional Submitted Data:			