

**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 Continental Exploration, Inc. DATE 6/4/91  
4550 W. 109th St., Ste. 206 Leawood KS 66211  
 Address City State

DESCRIPTION OF WELL AND LEASE			
Name of lease <u>Laffoon</u>	Well number <u>1</u>	Elevation (ground) <u>870</u>	
WELL LOCATION (give footage from section lines) <u>2,270</u> ft from (N) <del>1st</del> sec line <u>2,467</u> ft from (E) <del>1st</del> sec line			
WELL LOCATION Section <u>27</u> Township <u>45N</u> Range <u>33W</u>		County <u>Cass</u>	
Nearest distance from proposed location to property or lease line: <u>173</u> feet		Distance from proposed location to nearest drilling, completed or applied for well on the same lease: <u>N/A</u> feet	
Proposed depth <u>700</u>	Drilling contractor, name & address <u>Town Oil Co.</u>	Rotary or Cable Tools <u>Rotary</u>	Approx. date work will start <u>6/5/91</u>
Number of acres in lease <u>56</u>		Number of wells on lease, including this well, completed in or drilling to this reservoir: <u>1</u> Number of abandoned wells on lease: <u>0</u>	
If lease purchased with one or more wells drilled, from whom purchased: Name _____ 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>\$20,000</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 ft</u>	<u>6 5/8</u>	<u>15</u>	<u>To surface</u>
<u>700 ft</u>	<u>2 7/8</u>	<u>4.5</u>	<u>To surface</u>
_____	_____	_____	_____
_____	_____	_____	_____
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 <u>[Signature]</u>

Permit Number \_\_\_\_\_  
 Approval Date \_\_\_\_\_  
 Approved By \_\_\_\_\_

- 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 260 Rolla, Mo. 65401  
 One will be returned for driller's signature

**RECEIVED**  
 JUN 07 1991  
 WATER SAMPLES REQUIRED

Missouri Oil and Gas Council

Form OGC-3

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 Continental Exploration, Inc. DATE 6/4/91  
4550 W. 109th St., Ste. 206 Leawood KS 66211  
Address City State

DESCRIPTION OF WELL AND LEASE

Name of lease Laffoon Well number 1 Elevation (ground) 870

WELL LOCATION (give footage from section lines)  
2,270 ft from (N) XX sec line 2,467 ft from (E) XX sec line

WELL LOCATION Section 27 Township 45N Range 33W County Cass

Nearest distance from proposed location to property or lease line 173 feet  
Distance from proposed location to nearest drilling, completed or applied for well on the same lease N/A feet

Proposed depth 700 Drilling contractor, name & address Town Oil Co. Rotary or Cable Tools Rotary Approx. date work will start 6/5/91

Number of acres in lease 56 Number of wells on lease, including this well, completed in or drilling to this reservoir 1  
Number of abandoned wells on lease 0

If lease purchased with one or more wells drilled, from whom purchased Name \_\_\_\_\_ No. of Wells producing \_\_\_\_\_  
Address \_\_\_\_\_ injection \_\_\_\_\_  
inactive \_\_\_\_\_  
abandoned \_\_\_\_\_

Status of Bond Single Well  Amt. \_\_\_\_\_ Blanket Bond  Amt. \$20,000.00  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/lb	com	amt	size	wt/lb	com
<u>20 ft</u>	<u>6 5/8</u>	<u>15</u>	<u>To surface</u>	<u>20 ft</u>	<u>6 5/8</u>	<u>15</u>	<u>To surface</u>
<u>700 ft</u>	<u>2 7/8</u>	<u>4.5</u>	<u>To surface</u>	<u>700 ft</u>	<u>2 7/8</u>	<u>4.5</u>	<u>To surface</u>

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 [Signature]

Permit Number 20530  
Approval Date 6/5/91

Approved By [Signature]

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 200 Rolls, Mo. 65401  
One will be returned for driller's signature

- Driller's log required
- Drill stem test info. required if run
- E-log required if run
- Samples required
- Core analysis required if run
- Samples not required

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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.

**MISSOURI OIL AND GAS COUNCIL  
PLUGGING RECORD**

Form OGC-7

Owner Continental Exploration, Inc.	Address 4550 W. 109th St., Ste. 206, Leawood, KS 66211
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Name of Lease Laffoon	Well No. #1	
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Location of Well 2,270' from N. Sec. Line 2,467' from E. Sec. Line	Sec-Twp-Rge or Block & Survey 27-45N-33W	County Cass
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Application to drill this well was filed in name of Continental Exploration, Inc.	Has this well ever produced oil or gas N/A	Character of well at completion (initial production) Oil (bbls/day) N/A Gas (MCF/day) N/A	Dry? yes
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Date Abandoned: 6/6/91	Total depth 600	Amount well producing prior to abandonment. Oil (bbls/day) dry Gas (MCF/day) N/A	Water (bbls./day) N/A
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Name of each formation containing oil or gas. Indicate which formation open to wellbore at time of abandonment	Fluid content of each formation	Depth interval of each formation	Size, kind & depth of plugs used. Indicate zones squeeze cemented, giving amount cement.
Dry			

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 1/4	20		20		

Was well filled with mud-laden fluid?	Indicate deepest formation containing fresh water.
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**NAMES AND ADDRESSES OF ADJACENT LEASE OPERATORS OR OWNERS OF THE SURFACE**

Name	Address	Direction from this well:

Method of disposal of mud pit contents: N/A

Use reverse side for additional detail  
File this form in duplicate with

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CERTIFICATE: I, the undersigned, state that I am the president of the Continental Exploration, Inc. (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 William P. Moore, III

# TOWN OIL COMPANY

"Drilling and Production"

913-294-2125

Route 4  
Paola, Kansas 66071

Well #1  
Farm: Laffoon

## WELL LOG

Thickness of Strata	Formation	Total Depth
0-9	Soil & gravel	9
7	Lime	16
2	Slate & shale	18
6	Shale	24
6	Shale	30
10	Shale	40
5	Sandy slate	45
23	Shale	68
17	Sand	85
7	Sandy shale	92
23	Shale	125
5	Sandy shale	130
5	Sand	135
10	Sandy shale	145
32	Shale	177
1	Slate	178
19	Shale	197
1	Slate	198
7	Shale	205
2	Lime	207
1	Shale & slate	208
5	Shale	213
3	Shale/shell	216
10	Lime	226
5	Shale	231
12	Shale	243
4	Lime	247
3	Slate	250
2	Shale	252
2	Sand	254
11	Sand	265
2	Shale	267
1	Lime	268
12	Shale	280
2	Shale & slate	282
13	Shale	295
5	Sand	300
15	Sand	315
15	Sandy shale	330
35	Sand	365
15	Shale	380
5	Shale & slate	385
5	Lime	390
4	Shale	394
3	Shale	397
3	Shale & coal	400
3	Sandy shale	403
7	Sand	410
		413

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Well #1  
Farm: Laffoon

WELL LOG (cont'd)

<u>Thickness of Strata</u>	<u>Formation</u>	<u>Total Depth</u>
3	Shale	416
1	Slate or coal	417
8	Sand/shale	425
3	Shale & coal	428
17	Shale	445
10	Shale	455
11	Sand	466
2	Shale & coal	468
12	Shale	480
6	Shale & sand	486
6	Sand	492
7	Sand	499
2	Shale	501
3	Shale	504
6	Shale	510
2	Sandy shale	512
10	Shale	522
8	Sandy shale	530
4	Sand	534
10	Sand	544
3	Sandy shale	547
8	Sand	555
45	Sand	600 TD

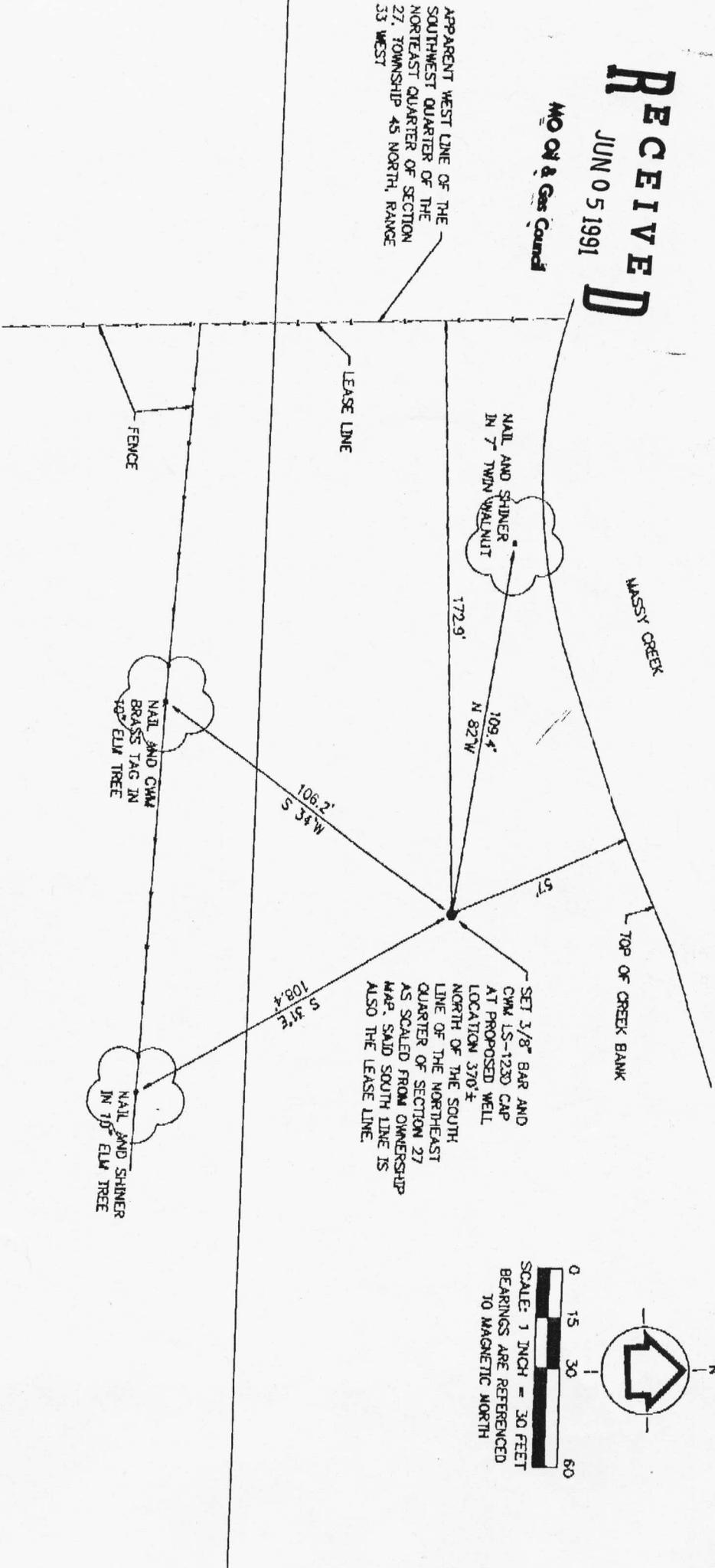
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MO Oil & Gas Council

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MO of Gas Cound

APPARENT WEST LINE OF THE  
SOUTHWEST QUARTER OF THE  
NORTHEAST QUARTER OF SECTION  
27, TOWNSHIP 45 NORTH, RANGE  
33 WEST



MUSSEY CREEK

TOP OF CREEK BANK

NAIL AND SHINER  
IN 7" TWIN WALNUT

172.9'

109.4'  
N 82°W

LEASE LINE

FENCE

NAIL AND CWM  
BRASS TAG IN  
10" ELM TREE

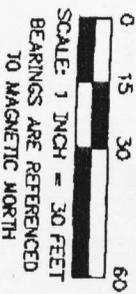
106.2'  
W 34° S

57'

SET 3/8" BAR AND  
CWM LS-1230 CAP  
AT PROPOSED WELL  
LOCATION 370'±  
NORTH OF THE SOUTH  
LINE OF THE NORTHEAST  
QUARTER OF SECTION 27  
AS SCALED FROM OWNERSHIP  
MAP. SAID SOUTH LINE IS  
ALSO THE LEASE LINE.

108.4'  
S 31° E

NAIL AND SHINER  
IN 10" ELM TREE



REVISED 6-4-91

**CROWLEY WADE, MISTEAD, INC. ENGINEERS-ARCHITECTS-SURVEYORS, INDEPENDENCE, MISSOURI**  
CONTINENTAL EXPLORATION, INC.  
4550 WEST 109TH STREET, SUITE 206  
LEAWOOD, KANSAS  
WELL LOCATION FOR LAFOON LEASE  
SOUTHWEST QUARTER OF THE NORTHEAST QUARTER  
SECTION 27, TOWNSHIP 45 NORTH, RANGE 33 WEST

DESIGNED BY: BDH  
CHECKED BY: GWH

JOB NO. 212171.03  
DRAWING NO. 2171-3A

CERTIFICATION

I, HERBERT GENTRY,  
BEING THE ABOVE  
DRAWING WAS  
PREPARED UNDER  
MY DIRECT  
SUPERVISION.

*Herbert Gentry*  
*Charles Brown*



Permit #: 20530

Date Issued: 6-5-91

County: Cass

Date Cancelled: \_\_\_\_\_

CONFIDENTIAL UNTIL: \_\_\_\_\_

Date Plugged: 6-6-91

OGC FORMS	Date Received
1	
2	
3	<u>6-5-91</u>
3i	
4	
4i	
5	
6	
7	<u>7-17-91</u>
8	
11	
12	
Misc. Form 2	

COMMENTS:

	TYPE	ID #	Date Received
Logs	<u>well log</u>		<u>7-17-91</u>
Samples	<u>chip</u>		
	<u>core</u>		
Analyses	<u>water</u>		
	<u>core</u>		

Additional Submitted Data: