

This permit was originally issued to General Energy Inc. of Linn Co. on 12/18/80, then owned by Emery Energy, and now owned by Town Oil Co.

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 Town Oil Co. DATE 12/6/85  
Route 4 Paola MO 66071  
 Address City State

DESCRIPTION OF WELL AND LEASE

Name of lease Jack Beary Well number 52 E Elevation (ground) 1065.6

WELL LOCATION (give footage from section lines)  
927.92 ft. from (N) (S) sec. line 1872.25 ft. from (E) (W) sec. line

WELL LOCATION Section 4 Township 46N Range 33W 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: 220 feet

Proposed depth 650 Drilling contractor, name & address \_\_\_\_\_ Rotary or Cable Tools  Approx. date work will start see note at top of permit

Number of acres in lease 24.5 Number of wells on lease, including this well, completed in or drilling to this reservoir: \_\_\_\_\_  
 Number of abandoned wells on lease: \_\_\_\_\_

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  Amt. \_\_\_\_\_ Blanket Bond  Amt. 20,000  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>650'</u>	<u>4"</u>	<u>10.4</u>	<u>yes</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<u>20'</u>	<u>7 1/2"</u>	<u>22</u>	<u>yes</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 Partner of the Town Oil (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: Letty Town

Permit Number: 20127  
 Approval Date: 12/6/85  
 Approved By: Wallace B. Huse 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.  
 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  
 DEC 16 1985

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.

APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK

APPLICATION TO DRILL  DEEPEN  PLUG BACK

NAME OF COMPANY OR OPERATOR General Energy Inc. of Linn Co. DATE 12-20-80  
Box 216 Mound City KANSAS 66056  
 Address City State

DESCRIPTION OF WELL AND LEASE

Name of lease <u>JACK BEARY</u>	Well number <u>52 E</u>	Elevation (ground) <u>1065.6</u>
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WELL LOCATION (give footage from section lines)  
927.92 ft. from (N)  sec. line 1872.25 ft. from (E)  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: 220 feet

Proposed depth: 650 Rotary or Cable tools ROTARY Approx. date work will start 12-20-80

Number of acres in lease: 24.5  
 Number of wells on lease, including this well, completed in or drilling to this reservoir: 0  
 Number of abandoned wells on lease: 0

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

Status of Bond  
 Single Well  Amt. \_\_\_\_\_ Blanket Bond  Amt. 20,000  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>650'</u>	<u>4"</u>	<u>10.4</u>	<u>yes</u>	_____	_____	_____	_____
<u>20</u>	<u>7 1/4'</u>	<u>22</u>	<u>yes</u>	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

I, the undersigned, state that I am the president of the General Energy, 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: Gilbert M. Gawn

Permit Number: 20127  
 Approval Date: 12/18/80  
 Approved By: Wallace B. Howe

SAMPLES REQUIRED  
 SAMPLES NOT REQUIRED  
 DEC 18 1980  
 MISSOURI OIL & GAS COUNCIL

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

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MISSOURI OIL AND GAS COUNCIL

Form OGC-5

WELL COMPLETION OR RECOMPLETION REPORT AND WELL LOG

New Well  Work-Over  Deepen  Plug Back  Same Reservoir  Different Reservoir  Oil  Gas  Dry

Owner <b>Emery Energy, Inc.</b>		Address <b>Box 519, Osawatomie, Kansas 66064</b>		
Lease Name <b>Jack Beary</b>		Well Number <b>E-52</b>		
Location <b>927.92 ft. FNL, &amp; 1872.25 Ft. FEL</b>		Sec. — TWP-Range or Block & Survey <b>Sec. 4 Twp. 46N Range 33W</b>		
County <b>Cass</b>	Permit number (OGC3 number) <b>20127</b>			
Date spudded <b>1-22-81</b>	Date total depth reached <b>1-23-81</b>	Date completed, ready to produce <b>2-27-81</b>	Elevation (DF, RKB, RT or Gr.) <b>1065.6 feet Gr.</b>	Elevation of casing hd. flange <b>Same as sur. ele.</b>
Total depth <b>641 ft.</b>	P. B. T. D. <b>628.35</b>			
Producing interval (s) for this completion <b>564 - 584</b>		Rotary tools used (interval) From <b>0</b> to <b>T.D.</b> Drilling Fluid used <b>water, air</b>		Cable tools used (interval) From _____ to <b>None</b>
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>no</b>
Type of electrical or other logs run (list logs filed with the State Geologist) <b>Gamma Ray, Neutron, CCL</b>				Date filed <b>5/25/1981</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 in.	7 in.	35	21.583		
producing	6.25 in.	4 in.	10.6	628.35	70	

TUBING RECORD

LINER RECORD

Size	Depth set	Packer set at	Size	Top	Bottom	Sacks cement	Screen (ft.)
2.375 in.	559 ft.	none ft.	N/A in.	N/A ft.	N/A ft.	N/A	N/A

PERFORATION RECORD

ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD

Number per ft.	Size & type	Depth Interval	Amt. & kind of material used	Depth Interval
1.82	3 1/2 glass	564 - 584	water gel 2	
			sand 20-40 10	564-584
			sand 10-30 20	

INITIAL PRODUCTION

Date of first production <b>3-7-81</b>		Producing method (indicate if flowing, gas lift or pumping—if pumping, show size & type of pump:) <b>No record-see later production report</b>					
Date of test <b>no</b>	Hrs. tested	Choke size	Oil prod. during test bbls.	Gas prod. during test MCF	Water prod. during test bbls.	Oil gravity API (Corr.)	
Tubing pressure	Casing pressure	Cal'ed rate of Production per 24 hrs.	Oil bbls.	Gas MCF	Water bbls.	Gas-oil ratio	

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

Method of disposal of mud pit contents:

CERTIFICATE: I, the undersigned, state that I am the **Vice-President** of the **Emery Energy, 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.

*Devon M. Hurst*  
Signature **Devon Hurst**

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Remit two copies: one will be returned.

JUN 25 1981

MO. OIL & GAS COUNCIL

W00003

## DETAIL OF FORMATIONS PENETRATED

Formation	Top	Bottom	Description*
<b>PENNSYLVANIAN SYSTEM</b>			
<b>KANSAS CITY</b>			
Iola Ls.	0	38	White to light gray limestone
Chanute Sh.	38	110	Gray to green shales with gray limestone beds
Cement City Sh.	64	75	Blue, gray limestone
Belton Ss.	104	110	Sandstone
Cherryvale Sh.	110	161	Gray, blue shales
Dennis Ls.			
Winterset Sh.	161	190	Gray, blue coarse limestone
Stark Sh.	190	195	Black, fissile shale
Swope Ls.			
Bethany Falls Ls.	195	218	Gray, fine to coarse limestone
Hush puckney Sh.	218	221	Black, fissile shale
Hertha Ls.	221	232	Gray to blue limestone
<b>PLEASANTON</b>			
Knobtown Ss.	232	412	Gray, green shales sand
Dawson Coal Hor.	362	366	Black, fissile, slaty shale
<b>HENRIETTA</b>			
Alamont	412	434	Gray brown, fine grained limestone with gray shale
Pawnee	434	474	Fine grained, light gray limestone
Peru Ss.	444	450	Sand
Myrick Sta. Ls.	464	470	Gray to brown limestone
Anna Sh.	470	474	Coal to black fissile shale
Fort Scott	474	498	Gray to green shales and limestone
Englevale Ss.	474	497	Fine to medium grained channel sandstone
<b>CHEROKEE</b>			
Upper Cherokee	498	523	Gray to dark shales
Upper Squirrel	523	533	Fine to medium grained sandstones
Lower Squirrel	571	584	Fine to medium grained sandstones
Bevier Coal Hor.	---	---	Black coal
Lower Cherokee	533	571-shale	
Burbank Ss.			Sandstone, irregular
Bartlesville Ss.	584	640 T.D.	Shale, sandy shale, thin sandstone
Core # 1	460	480	
Core # 2	560	579	Lower Squirrel
Core # 3	579	598	Lower Squirrel

\*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 if available.



# EMERY ENERGY, INC.

225 North State Street  
Salt Lake City, Utah 84103  
(801) 531-8770

June 14, 1984

RECEIVED

JUN 21 1984

Missouri Department of Natural Resources  
P.O. Box 250  
Rolla, MO. 65401  
Attn: Mr. Bruce W, Netzler, Geologist

MO. OIL & GAS COUNCIL

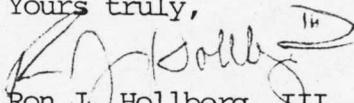
Dear Mr. Netzler,

I am in receipt of your letter requesting an interpretation of the log reports submitted to your office in 1981 by our company covering wells on the Beary Lease, Cass County, Missouri. In 1982-83 we basically shut down our operations in the Kansas/Missouri area and let the people go who were responsible for both the drilling of these wells and the Government reports. I have looked over the logs and our in-house geologist here in Salt Lake has examined it also but we are unable to come up with the answers. The fact is that no one is around who was there to observe the way the formations lay, so I don't know ~~how~~ we can clear up the matter.  
how

If 3½ years hadn't passed I'd have confidence that maybe we could tack something down, but now I believe it is too late.

I'm sorry I wasn't able to help you in getting this cleared up. Please feel free to call if you have any other questions.

Yours truly,

  
Ron J. Hollberg, III  
Production Dept.

RJH/rh