

This permit originally issued to General Energy, then to Emery Energy, 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 KS 66071
Address City State

DESCRIPTION OF WELL AND LEASE

Name of lease Jack Beary Well number 58c Elevation (ground) _____

WELL LOCATION (give footage from section lines)
549.34 ft. from (N) (S) sec. line 1212.25 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: 670 Drilling contractor, name & address _____ (Rotary) or Cable Tools _____
Approx. date work will start see note

Number of acres in lease: 24 1/2 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 _____ No. of Wells: producing _____
Address _____ 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 Walter Town

Permit Number: 20107
Approval Date: 12/6/85
Approved By: Wallace B. Hume *BW*

- 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
DEC 16 1985

WATER SAMPLES REQUIRED @

Approval of this permit by the Oil and Gas Council does not constitute endorsement 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 11-25-80
Box 216 Mound City KANSAS
 Address City State

DESCRIPTION OF WELL AND LEASE			
Name of lease <u>Jack Beary</u>	Well number <u>58C</u>	Elevation (ground)	
WELL LOCATION <u>549.34</u> (give footage from section lines) <u>1212.25 FEL</u> 550 ft. from (N) sec. line <u>165</u> ft. from (E) 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>220</u> feet	
Proposed depth: <u>670</u>	Rotary or Cable tools <u>Rotary</u>	Approx. date work will start <u>12 80</u>	
Number of acres in lease: <u>24 1/2</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: _____	
If lease, purchased with one or more wells drilled, from whom purchased: Name _____ Address _____		No. of Wells: producing _____ inactive _____ abandoned _____	
Status of Bond Single Well <input type="checkbox"/> Amt. _____ Blanket Bond <input checked="" type="checkbox"/> Amt. <u>20,000⁰⁰</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>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 <u>VICE PRESIDENT</u> of the <u>GENERAL ENERGY INC. OF LINN 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>Don McLean</u>			

Permit Number: 20107
 Approval Date: December 19, 1980
 Approved By: Wallace B. Howe
RS

SAMPLES REQUIRED
 SAMPLES NOT REQUIRED DEC 01 1980

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

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.

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: **Emery Energy, Inc.** Address: **Box 519, Osawatomie, Kansas 66064**

Lease Name: **Jack Beary Lease** Well Number: **C-58**

Location: **549.34 ft. ENL 1212.25 Ft. FEL** Sec. **4** Twp. **46N** Range **33W**

County: **Cass** Permit number (OGC3 number): **20107**

Date spudded: **12-16-80** Date total depth reached: **12-17-80** Date completed, ready to produce: **1-27-81** Elevation (DF, RKB, RT or Gr.): **1072.0 feet Gr.** Elevation of casing hd. flange: **Same as sur. ele.**

Total depth: **640 ft.** P. B. T. D.: **629.20**

Producing interval (s) for this completion: **562 - 566 576-578** Rotary tools used (interval) From **0** to **T.D.** Drilling Fluid used: **water, air** Cable tools used (interval) From **None** to **None**

Was this well directionally drilled? **no** Was directional survey made? **no** Was copy of directional survey filed? **no** Date filed: **5/25/1981**

Type of electrical or other logs run (list logs filed with the State Geologist): **Gamma Ray, Neutron, CCL** Date filed: **5/25/1981**

CASING RECORD

Purpose	Size hole drilled	Size casing set	Weight (lb ft)	Depth set	Sacks cement	Am't pulled
surface	9 in.	7 in.	35	21.67		
producing	6.25 in.	4 in.	10.6	629.20	70	

TUBING RECORD

LINER RECORD

Size	Depth set	Packer set at	Size	Top	Bottom	Sacks cement	Screen (ft.)
2.375 in.	557 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	Am't. & kind of material used	Depth Interval
.50	3 1/2 glass	562-566	water gel 2	Clay Stab. 10
2	" "	576-580	sand 20-40 20	same
			sand 10-30 1	same

INITIAL PRODUCTION

Date of first production: 2-26-81	Producing method (indicate if flowing, gas lift or pumping—if pumping, show size & type of pump:) No record-see later production report					
Date of test: no	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'ated 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 Hurst
Signature **Devon Hurst**

Remit two copies: one will be returned

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JUN 05 1981

MO. OIL & GAS COUNCIL

W00017

DETAIL OF FORMATIONS PENETRATED

Formation	Top	Bottom	Description*
PENNSYLVANIAN SYSTEM			
KANSAS CITY			
Iola Ls.	0	15	White to light gray limestone
Chanute Sh.	15	121	Gray to green shales with gray limestone beds
Cement City Sh.	80	90	Blue, gray limestone
Belton Ss.	113	121	Sandstone
Cherryvale Sh.	121	150	Gray, blue shales
Dennis Ls.			
Winterset Sh.	150	198	Gray, blue coarse limestone
Stark Sh.	198	203	Black, fissile shale
Swope Ls.			
Bethany Falls Ls.	203	226	Gray, fine to coarse limestone
Hush puckney Sh.	226	230	Black, fissile shale
Hertha Ls.	230	240	Gray to blue limestone
PLEASANTON	240	422	Gray, green shales sand
Knobtown Ss.			
Dawson Coal Hor.	370	375	Black, fissile, slaty shale
HENRIETTA		526	
Alamont	422	442	Gray brown, fine grained limestone with gray shale
Pawnee	442	480	Fine grained, light gray limestone
Peru Ss.	450	456	Sand
Myrick Sta. Ls.	474	480	Gray to brown limestone
Anna Sh.	480	484	Coal to black fissile shale
Fort Scott	480	526	Gray to green shales and limestone
Englevale Ss.	480	503	Fine to medium grained channel sandstone
CHEROKEE	526	---	Gray to dark shales
Upper Cherokee			
Upper Squirrel	526	535	Fine to medium grained sandstones
Lower Squirrel	576	580	Fine to medium grained sandstones
Bevier Coal Hor.	---	----	Black coal
Lower Cherokee			
Burbank Ss.			Sandstone, irregular
Bartlesville Ss.	580	640 T.D.	Shale, sandy shale, thin sandstone
Core # 1	See Attached log for core reports		
Core # 2			
Core # 3			

*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

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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

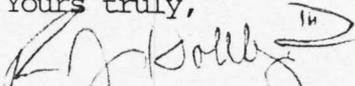
Dear Mr. Netzler,

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