

This permit originally issued to General Energy, then owned by Emery Energy, now owned by Tom 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 Tom 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 54A Elevation (ground) 1057.8

WELL LOCATION (give footage from section lines)
165 ft. from (N) sec. line 1652-25 ft from (E) 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

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 _____ No. of Wells: producing _____
Address _____ inactive _____
abandoned _____

Status of Bond
Single Well Amt. _____ Blanket Bond Amt. 29,000
 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: amt. size wt./ft. cem. 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>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>
<u>20'</u>	<u>7 3/4"</u>	<u>22</u>	<u>yes</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

I, the undersigned, state that I am the Partner of the Tom 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: Larry Tower

Permit Number: 20126
Approval Date: 12/6/85
Approved By: Walter B. Hume
BWN

- 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

DEC 16 1985
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.

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 12-15-80
Box 216 Mound City, KANSAS 66056
 Address City State

DESCRIPTION OF WELL AND LEASE

Name of lease <u>JACK BEARY</u>	Well number <u>54 A</u>	Elevation (ground) <u>1057.8</u>
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WELL LOCATION (give footage from section lines)
165 ft. from (N) (S) sec. line 1652.25 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: 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 _____
 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>	_____	_____	_____	_____
<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 McQuinn

Permit Number: 20126
 Approval Date: 12/18/80
 Approved By: Wallace B. Howe

SAMPLES REQUIRED
 SAMPLES NOT REQUIRED

DEC 18 1980
 MISSOURI OIL & GAS COUNCIL

Note: This Permit not transferable to any other person or to any other location.

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

MISSOURI OIL AND GAS COUNCIL

Form OGC-3

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		Well Number A-54			
Location 165 ft. ENL 1652.25 Ft. FEL		Sec. - TWP-Range or Block & Survey Sec. 4 Twp. 46N Range 33W			
County Cass		Permit number (OGC3 number) 20126			
Date spudded 1-6-81	Date total depth reached 1-7-81	Date completed, ready to produce 2-27-81	Elevation (DF, RKB, RT or Gr.) 1057.8 feet Gr.	Elevation of casing hd. flange Same as sur. elev.	
Total depth 640 ft.	P. B. T. D. 629.80				
Producing interval (s) for this completion 466 - 610		Rotary tools used (interval) From 0 to T.D. Drilling Fluid used water, air		Cable tools used (interval) From _____ to None	
Was this well directionally drilled? no		Was directional survey made? no		Date filed no	
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

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	20.583		
producing	6.25 in.	4 in.	10.6	629.80	70	

TUBING RECORD

LINER RECORD

Size	Depth set	Packer set at	Size	Top	Bottom	Sacks cement	Screen (ft.)
2.375 in.	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
1	3 1/2 glass	552 - 572	water gel	
			sand 20-40	10
			sand 10-30	20

INITIAL PRODUCTION

Date of first production 3-3-81		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 M. Hurst
Signature **Devon Hurst**

RECEIVED

Remit two copies: one will be returned.

JUN 04 1981

MO. OIL & GAS COUNCIL

W00006

DETAIL OF FORMATIONS PENETRATED

Formation	Top	Bottom	Description*
PENNSYLVANIAN SYSTEM			
KANSAS CITY			
Iola Ls.	0	30	White to light gray limestone
Chanute Sh.	30	106	<u>Gray to green shales with gray limestone beds</u>
Cement City Sh.	45	59	Blue, gray limestone
Belton Ss.	94	106	Sandstone
Cherryvale Sh.	106	148	Gray, blue shales
Dennis Ls.			
Winterset Sh.	148	180	Gray, blue coarse limestone
Stark Sh.	180	185	Black, fissile shale
Swope Ls.			
Bethany Falls Ls.	185	207	Gray, fine to coarse limestone
Hushpuckney Sh.	207	212	Black, fissile shale
Hertha Ls.	212	223	Gray to blue limestone
PLEASANTON			
Knobtown Ss.	223	402	Gray, green shales sand
Dawson Coal Hor.	352	355	Black, fissile, slaty shale
ENRIETTA			
Alamont	402	428	Gray brown, fine grained limestone with gray shale
Pawnee	428	464	Fine grained, light gray limestone
Peru Ss.	440	444	Sand
Myrick Sta. Ls.	458	462	Gray to brown limestone
Anna Sh.	462	468	Coal to black fissile shale
Fort Scott	468	506	Gray to green shales and limestone
Englevale Ss.	558 469	--- 494.2	Fine to medium grained channel sandstone
HEROKEE			
Upper Cherokee	<u>506</u>		Gray to dark shales
Upper Squirrel	550	558	Fine to medium grained sandstones
Lower Squirrel	578	602	Fine to medium grained sandstones
Bevier Coal Hor.	---	---	Black coal
Lower Cherokee			
Burbank Ss.			Sandstone, irregular
Bartlesville Ss.	602	640 T.D	Shale, sandy shale, thin sandstone
Core # 1	466	485.5	Englevale Ss.
Core # 2	540	560.5	Core # 4 580 - 600
Core # 3	560.5	580	

*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

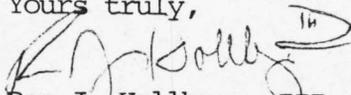
Dear Mr. Netzler,

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