

This permit originally issued to General Energy, then Emery Energy, now owned by Town Oil.

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 58A Elevation (ground) _____

WELL LOCATION (give footage from section lines)
165 ft. from (N) (S) sec. line 1213.25 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 _____ injection _____ 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 and Approved casing -- To be filled in by State Geologist. Table with columns for amt, size, wt./ft, and cem. for both proposed and approved casing.

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 Lester Town

Permit Number: 20100
Approval Date: 12/6/85
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.
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 Lin Co DATE 11-25-80
P.O. Box 216 Mound City, Ks. 66056
 Address City State

| DESCRIPTION OF WELL AND LEASE | | | |
|--|--|---|-----------------------|
| Name of lease <u>JACK BEARY</u> | Well number <u>58A</u> | Elevation (ground) | |
| WELL LOCATION (give footage from section lines) <u>165</u> ft. from (N) (S) sec. line <u>165</u> ft. from <u>EAST</u> sec. line <u>12-12-25</u> | | | |
| 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>12-1-80</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>\$20,000.00</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. <u>650'</u> | size <u>4"</u> | wt./ft. <u>10.4</u> | cem. <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 & LINCO</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>Dary M. Down</u> | | | |

Permit Number: 20100
 Approval Date: December 1, 1980
 Approved By: Wallace B. Down
 IRS

SAMPLES REQUIRED
 SAMPLES NOT REQUIRED

Note: This Permit not transferable to any other person or to any other location. DEC 01 1980 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

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 A-58 | |
| Location 165 ft. FNL 1212.25 Ft. FEL | | Sec. - TWP-Range or Block & Survey Sec. 4 Twp. 46N Range 33W | |
| County Cass | Permit number (OGC3 number) 20100 | | |
| Date spudded 12-2-80 | Date total depth reached 12-6-80 | Date completed, ready to produce 2-27-81 | Elevation (DF, RKB, RT or Gr.) 1070.0 feet Gr. |
| Total depth 640 ft. | P. B. T. D. 629.55 | Elevation of casing hd. flange Same as sur. elev. | |
| Producing interval (s) for this completion | | Rotary tools used (interval) From 0 to T.D. Drilling Fluid used water, air | Cable tools used (interval) From 0 to None |
| Was this well directionally drilled? no | Was directional survey made? no | Was copy of directional survey filed? 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 | 21.583 | 70 | |
| producing | 6.25 in. | 4 in. | 10.6 | 629.55 | | |

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 | Amt. & kind of material used | Depth Interval |
|----------------|-------------|----------------|------------------------------|----------------|
| .50 | 3 1/2 glass | 563-586 | water gel 2 | Clay Stab. 10 |
| | | | sand 20-40 10 | 563-586 |
| | | | sand 12-30 20 | |

INITIAL PRODUCTION

| | | | | | | |
|--|---|--------------------------------------|--------------------------------|------------------------------|----------------------------------|----------------------------|
| Date of first production 3-11-81 | 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 | Hook 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'd 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 04 1981

MO. OIL & GAS COUNCIL

W00014

DETAIL OF FORMATIONS PENETRATED

| Formation | Top | Bottom | Description* |
|-----------------------------|----------------|--------------------|--|
| PENNSYLVANIAN SYSTEM | | | |
| NSAS CITY Iola Ls. | 0 | 17 | White to light gray limestone |
| Chanute Sh. | 17 | 110 | <u>Gray to green shales with gray limestone beds</u> |
| Cement City Sh. | 55 | 70 | Blue, gray limestone |
| Belton Ss. | 104 | 110 | Sandstone |
| Cherryvale Sh. | 110 | 163 | Gray, blue shales |
| Dennis Ls. | | | |
| Winterset Sh. | 163 | 192 | Gray, blue coarse limestone |
| Stark Sh. | 192 | 197 | Black, fissile shale |
| Swope Ls. | | | |
| Bethany Falls Ls. | 197 | 220 | Gray, fine to coarse limestone |
| Hush puckney Sh. | 220 | 225 | Black, fissile shale |
| Hertha Ls. | 225 | 236 | Gray to blue limestone |
| PLEASANTON | 236 | 415 | Gray, green shales |
| Knobtown Ss. | | | sand |
| Dawson Coal Hor. | 364 | 367 | Black, fissile, slaty shale |
| ENRIETTA | 415 | | |
| Alamont | 415 | 483 | Gray brown, fine grained limestone with gray shale |
| Pawnee | 483 | 464 | Fine grained, light gray limestone |
| Peru Ss. | 444 | 458 | Sand |
| Myrick Sta. Ls. | 458 | 464 | Gray to brown limestone |
| Anna Sh. | 464 | 468 | Coal to black fissile shale |
| Fort Scott | 478 | 528 | Gray to green shales and limestone |
| Englevale Ss. | 474 | 490 500 | Fine to medium grained channel sandstone |
| CHEROKEE | 528 | | |
| Upper Cherokee | | | Gray to dark shales |
| Upper Squirrel | 528 | 552 | Fine to medium grained sandstones |
| Lower Squirrel | 572 | 588 | Fine to medium grained sandstones |
| Bevier Coal Hor. | --- | --- | Black coal |
| Lower Cherokee | | | |
| Burbank Ss. | | | Sandstone, irregular |
| Bartlesville Ss. | 588 | 640 T.D. | Shale, sandy shale, thin sandstone |
| Core # 1 | 542 | 562 | Upper Squirrel |
| Core # 2 | 562 | 582 | Lower Squirrel at 572 |
| Core # 3 | 583 | 602.5 | |

*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

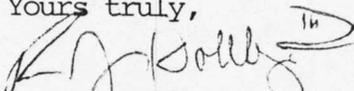
Dear Mr. Netzler,

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