

this permit originally issued 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 Asjes Well number A-12 Elevation (ground) 1077

WELL LOCATION (give footage from section lines)
165 ft. from (N) (S) sec. line 110 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: ~~_____~~ feet
Distance from proposed location to nearest drilling, completed or applied for well on the same lease: 226 feet

Proposed depth: 680 Drilling contractor, name & address _____
 Rotary or Cable Tools Approx. date work will start see note

Number of acres in lease: 110
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 _____ 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: 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>70</u>	<u>7"</u>	<u>30#</u>	<u>no</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<u>660</u>	<u>2-3/8</u>	<u>4.5</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: 20210

Approval Date: 12/6/85

Approved By: Wallace B. Hume

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

- 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

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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 Emery Energy, Inc. DATE 9-1-81
Box 519 Osawatomie, Kansas 66064-0519
 Address City State

DESCRIPTION OF WELL AND LEASE			
Name of lease Asjes	Well number A-12	Elevation (ground) 1077	
WELL LOCATION (give footage from section lines) <u>165</u> ft. from (N) <input checked="" type="checkbox"/> sec. line <u>110</u> ft from (E) <input checked="" type="checkbox"/> sec. line			
WELL LOCATION Section <u>4</u> Township <u>46</u> Range <u>33</u>			County Cass
Nearest distance from proposed location to property or lease line: <u>110</u> feet		Distance from proposed location to nearest drilling, completed or applied - for well on the same lease: <u>226</u> feet	
Proposed depth. 680	Rotary or Cable tools Rotary	Approx. date work will start 9-8-81	
Number of acres in lease: 110	Number of wells on lease, including this well, completed in or drilling to this reservoir: <u>12</u> Number of abandoned wells on lease: <u>0</u>		
If lease, purchased with one or more wells drilled, from whom purchased:	Name <u>McGown Drilling</u> Address <u>Mound City, Kansas</u>	No. of Wells: producing <u>4</u> inactive <u>1</u> abandoned <u>0</u>	
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. <u>20</u>	size <u>7"</u>	wt./ft. <u>30#</u>	cem. <u>no</u>
<u>660</u>	<u>2-3/8</u>	<u>4.5</u>	<u>yes</u>
_____	_____	_____	_____
_____	_____	_____	_____
I, the undersigned, state that I am the <u>Vice-President</u> of the <u>Emery Energy, Inc.</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>Steven M. Hurst</u>			

Permit Number: 20210
 Approval Date: 9/3/81
 Approved By: W. B. Hurst

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

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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-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		Address RR1 Box 390 Osawatomie, Mo		
Lease Name Asjes		Well Number A-10	66064	
Location 165' FNA + 336' FEL		Sec. - TWP-Range or Block & Survey 4 46N 33W		
County Cass	Permit number (OGC) number 20184			
Date spudded 5-11-81	Date total depth reached 5-12-81	Date completed, ready to produce 6-1-81	Elevation (DF, RKB, RT or Gr.) feet 1097	Elevation of casing hd. flange Same as (see) surface
Total depth 604.0	P. B. T. D. 599.5			
Producing interval (s) for this completion 514-532		Rotary tools used (interval) From 0 to TD Drilling Fluid used Water & Air		Cable tools used (interval) From _____ to _____
Was this well directionally drilled? NO	Was directional survey made? NO	Was copy of directional survey filed? NO	Date filed	
Type of electrical or other logs run (list logs filed with the State Geologist)			Date filed	

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"	6 1/4"		21'		
Production	5 1/4"	2"	Portland A	603.0	8.2 @ 45x gel	

TUBING RECORD

LINER RECORD

Size	Depth set	Packer set at	Size	Top	Bottom	Sacks cement	Screen (ft.)
1" in.	603 ft.	— ft.	— in.	N/A"	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 1/16 Alum.	514-515-516	Water Gel-	clay-stab-
		517-518-523	sand-	

INITIAL PRODUCTION

Date of first production 8-19-81	Producing method (indicate if flowing, gas lift or pumping—if pumping, show size & type of pump): Pumping—See monthly Production report					
Date of test None	Hrs. tested NA	Hook size NA	Oil prod. during test NA bbls.	Gas prod. during test NA MCF	Water prod. during test NA bbls.	Oil gravity 26 API (Corr.)
Tubing pressure 0	Casing pressure 0	Cal'd rate of Production per 24 hr.	Oil 10 bbls.	Gas 0 MCF	Water 15 bbls.	Gas-oil ratio 0

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

Method of disposal of mud pit contents: **Hauled away**

CERTIFICATE: I, the undersigned, state that I am the **V-Pres** of the **Emery Energy** (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.

Devin M. Hurst
Signature

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0-4 soil
4-39 lime
39-68 shale
68-78 lime
78-104 shale
104-111 lime
111-158 shale
158-194 lime
194-200 carb shale
200-223 lime
223-228 carb shale
228-239 lime (hortha)
239-241 carb shale
241-247 lime
247-281 shale
281-312 sandy shale
312-340 shale
340-353 sand
353-372 shale
372-390 sand
390-410 shale
410-427 sandy lime
427-429 carb shale
429-434 lime
434-438 carb shale
438-448 lime
448-458 sandy lime
458-470 shale
470-476 lime
476-481 carb shale
481-514 lime
514-537 sand
537-660 shale TD