

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 G-8 Elevation (ground) 1079

WELL LOCATION (give footage from section lines)
1269 ft. from (N) sec. line 541 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: 541 feet
Distance from proposed location to nearest drilling, completed or applied for well on the same lease: 215.5 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 _____ 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>20'</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 Lucy Town

Permit Number 20188
Approval Date 12/6/85
Approved By Wallace B. Howe Bmw

- 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
WATER SAMPLES REQUIRED @ _____
DEC 16 1985

APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK

APPLICATION TO DRILL DEEPEN PLUG BACK

NAME OF COMPANY OR OPERATOR Emery Energy, Inc. DATE May 11, 1981

R.R. 1 Box 390

Osawatomie

Kansas 66064

Address

City

State

DESCRIPTION OF WELL AND LEASE

Name of lease <u>Asjes</u>	Well number <u>G-8</u>	Elevation (ground) <u>1079</u>
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WELL LOCATION (give footage from section lines)
1269 ft. from (N) sec. line 541 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: 541 feet
 Distance from proposed location to nearest drilling, completed or applied - for well on the same lease: 215.5 feet

Proposed depth: 680 Rotary or Cable tools: Rotary Approx. date work will start: June 4, 1981

Number of acres in lease: 110
 Number of wells on lease, including this well, completed in or drilling to this reservoir: 17
 Number of abandoned wells on lease: 0

If lease, purchased with one or more wells drilled, from whom purchased:
 Name: McGown Drilling No. of Wells: producing 1
 Address: Mound City, Kansas inactive 0
 abandoned 0

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>20"</u>	<u>7"</u>	<u>30#</u>	<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 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.
 Signature: Steven M. Hunt

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Permit Number: 20188

Approval Date: 5/26/81

Approved By: Wallace B. Hunt

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

SAMPLES REQUIRED
 SAMPLES NOT REQUIRED
 MAY 14 1981
 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		Address RR1 Box 390 Osawatomie, KS	
Lease Name Asjes		Well Number G-8	60064
Location 1269 FNL & 541 FEL		Sec. - TWP-Range or Block & Survey 4 46N 33W	
County Cass	Permit number (OGCJ number) 20188		
Date spudded 7-4-81	Date total depth reached 7-4-81	Date completed, ready to produce 9-3-81	Elevation (DF, RKR, RT or Gr.) 1079 feet
Total depth 633.1	P. B. T. D. 627.6 Elevation of casing hd. flange Same as feet surface		

Producing interval (s) for this completion 594-603		Rotary tools used (interval) From 0 to TD	Cable tools used (interval) From None 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) Gamma Ray/Neutron CEL			Date filed 4/5/82

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"		22'		
Production	5 1/4"	2"		603'	83 + 3	gel

TUBING RECORD

LINER RECORD

Size	Depth set	Packer set at	Size	Top	Bottom	Sacks cement	Screen (ft.)
1" in.	602.4 ft.		in.	N/A"	N/A"	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	1 1/2" angles	594 to 603	Water Gel - 3	clay - slab - 10
			sand - 20-70 - 10	
			sand - 10-20 10	

INITIAL PRODUCTION

Date of first production 9-18-82		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	Casing 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'ed rate of Production per 24 hrs.	Oil 15 bbls.	Gas 0 MCF	Water 10 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.

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APR 22 1982

Duan M. Hurst
Signature

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Remit two copies, one will be returned.

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0-14 soil
14-22 lime
22-40 shale
40-44 lime
44-75 shale
75-84 lime
84-97 shale
97-104 lime
104-164 shale
164-172 lime
172-176 shale
176-200 lime
200-206 carb shale
206-227 lime
227-234 carb shale
234-244 lime (Bertha)
244-247 carb shale
247-253 lime
253-286 shale
286-292 sand
292-346 shale
346-356 sand
356-375 shale
375-388 sand
388-406 shale
406-410 sand
410-422 shale
422-427 lime
427-431 shale
431-436 lime
436-439 shale
439-450 lime
450-459 sand
459-469 shale
469-473 lime
473-479 carb shale
479-489 sand
489-520 shale
520-532 sand
532-592 shale
592-606 sand
606-600 shale TD