

This permit originally issued to General Energy, then owned by 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 55B Elevation (ground) 1064.4

WELL LOCATION (give footage from section lines)
355.73 ft. from (N) (S) sec. line 1542.25 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: 356.73 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 _____ 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>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 1/2"</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 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: Leslie Town

Permit Number: 20121
Approval Date: 12/6/85
Approved By: Wallace 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

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 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>55 B</u>	Elevation (ground) <u>1064.4</u>	
WELL LOCATION (give footage from section lines) <u>356.73</u> ft. from (N) (S) sec. line <u>1540.25</u> ft. from (E) (W) 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>356.73</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>650</u>	Rotary or Cable tools <u>ROTARY</u>	Approx. date work will start <u>12-20-80</u>	
Number of acres in lease: <u>24.5</u>	Number of wells on lease, including this well, completed in or drilling to this reservoir: <u>0</u> Number of abandoned wells on lease: <u>0</u>		
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</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>president</u> of the <u>General 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>Gilbert McLaw</u>			

Permit Number: 20121
Approval Date: 12/18/80
Approved By: Wallace B. Hayes
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
DEC 18 1980
WATER SAMPLES REQUIRED ©
MISSOURI OIL & GAS COUNCIL

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.

Note: Permit approval for drilling only, not injection. Approval or denial for injection determined after Mechanical Integrity Test results reviewed and official notification given.

Missouri Oil and Gas Council

Form OGC-3I

INJECTION WELL PERMIT APPLICATION: to drill, deepen, plug back, or convert an existing well

APPLICATION TO DRILL DEEPEN PLUG BACK CONVERSION

NAME OF COMPANY OR OPERATOR Town Oil Co. DATE 4-29-88

Rt. 4 Paola Kansas 66071
Address City State

DESCRIPTION OF WELL AND LEASE			
Name of lease <u>Beary</u>	Well number <u>55-B</u>	Elevation (ground) <u>1064-4</u>	
WELL LOCATION (give footage from section lines) <u>355.73</u> ft. from (N) <u>XX</u> sec line <u>1542.25</u> ft. from (E) <u>XX</u> sec line			
WELL LOCATION Section <u>4</u> Township <u>46N</u> Range <u>33W</u>	COUNTY <u>Cass</u>		
Nearest distance from proposed location to property or lease line <u>356.73</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>650</u>	Rotary or Cable tools	Drilling Contractor, name and address	Approx. date work will start
Number of acres in lease <u>24.5</u>	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 <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
Outline Proposed Stimulation Program			
Proposed casing program		Approved casing	
amt. <u>20</u>	size <u>7 1/4</u>	wt/ft <u>22</u>	cm <u>yes</u>
<u>650</u>	<u>4"</u>	<u>10.4</u>	<u>Yes</u>
		To be filled in by State Geologist <u>MAY 06 1988</u> cm	
		<u>MO Oil & Gas Council</u> <u>Economic Geology</u>	
I, the undersigned, state that I am the <u>partner</u> of the <u>Town Oil 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>Lulu Town</u>			

Permit Number 20121

SAMPLES REQUIRED SAMPLES NOT REQUIRED

Approved Date 5/26/88

WATER SAMPLES REQUIRED @ _____

Approved by _____

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

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.

8/1/84

I _____ of the _____
Company confirm that an approved drilling permit has been obtained by the owner of this well. Council approval of this permit will be shown on this form by presence of a permit number and signature of authorized Council representative.

Driller's signature _____

Date _____

Proposed Operations Data

Proposed average daily injection,	pressure	<u>400</u>	psig,	rate	<u>25</u>	bpd/gpm,	volume	<u>300</u>	bbl/gal
Approved average daily injection, (to be filled in by State Geologist).	pressure	<u>400</u>	psig,	rate	<u>25</u>	bpd/gpm,	volume	<u>300</u>	bbl/gal
Proposed maximum daily injection,	pressure	<u>600</u>	psig,	rate	<u>50</u>	bpd/gpm,	volume	<u>1000</u>	bbl/gal
Approved maximum daily injection, (to be filled in by State Geologist).	pressure	<u>600</u>	psig,	rate	<u>50</u>	bpd/gpm,	volume	<u>1000</u>	bbl/gal
Estimated fracture pressure/gradient of injection zone	breakdown 800							psi/foot	
Describe the source of the injection fluid	produced and fresh water								

Submit an appropriate analysis of the injection fluid. (Submit on separate sheet).

Describe the compatibility of the proposed injected fluid with that of the receiving formations, including total dissolved solids comparisons.

30832 TDS

Give an accurate description of the injection zone including lithologic descriptions, geologic name, thickness, depth, porosity, and permeability.

see log

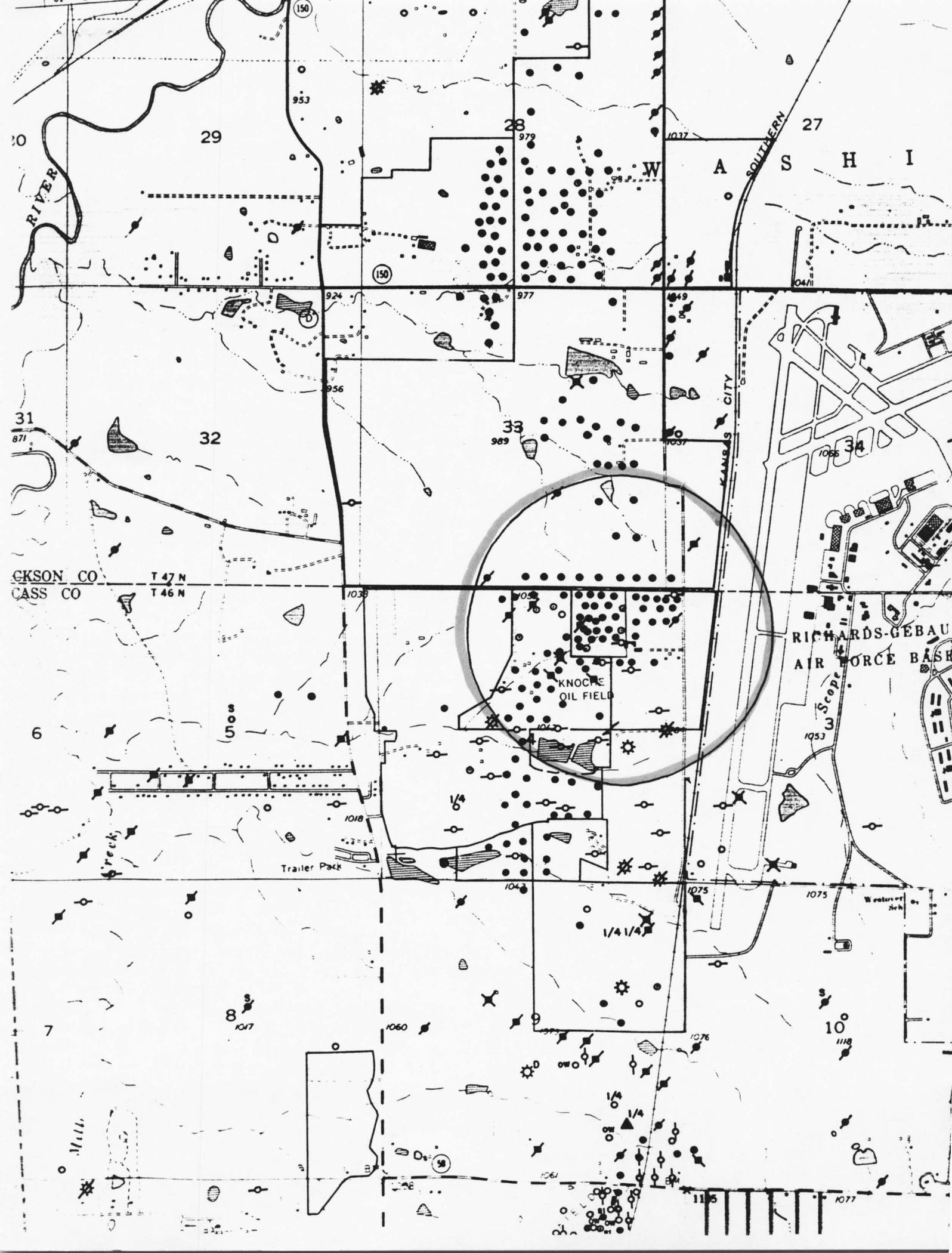
Give an accurate description of the confining zones including lithologic description, geologic name, thickness, depth, porosity, and permeability.

see log

Submit all available logging and testing data on the well.

Give a detailed description of any well needing corrective action which penetrates the injection zone in the area of review (1/2 mile radius around well). Include the reason for and proposed corrective action.

None
attached



RIVER

29

27

W A S H I

150

28

1037

31

32

33

34

OSKSON CO
CASS CO

T 47 N
T 46 N

KANSAS CITY

RICHARDS-GEBAU
AIR FORCE BASE

KNOCKE
OIL FIELD

Trailer Park

1/4 1/4

1075

10

7

Mill

1115

1077

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 B-55			
Location 355.73 ft. FNL 1542.25 Ft. FEL		Sec. — TWP-Range or Block & Survey Sec. 4 Twp. 46N Range 33W			
County Cass	Permit number (OGC3 number) 20121				
Date spudded 12-19-80	Date total depth reached 1-8-81	Date completed, ready to produce	Elevation (DF, RKB, RT or Gr.) 1064.4 feet Gr.	Elevation of casing hd. flange Same as sur. ele.	
Total depth 640 ft.	P. B. T. D. 628.70				
Producing interval (s) for this completion 568-577, 582-585		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 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	21.42	70	
producing	6.25 in.	4 in.	10.6	628.70		

TUBING RECORD

LINER RECORD

Size	Depth set	Packer set at	Size	Top	Bottom	Sacks cement	Screen (ft.)
2.375 in.	563 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
1.17	3 1/2 glass	568-577, 582-585	water gel	
			sand 20-40	20
			sand 10-30	10

INITIAL PRODUCTION

Date of first production 2-21-81		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 hr.	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

JUN 04 1981

MO. OIL & GAS COUNCIL

Remit two copies: one will be returned

W00009

DETAIL OF FORMATIONS PENETRATED

Formation	Top	Bottom	Description*
PENNSYLVANIAN SYSTEM			
KANSAS CITY			
Iola Ls.	0	40	White to light gray limestone
Chanute Sh.	40	140	Gray to green shales with gray limestone beds
Cement City Sh.	54	60	Blue, gray limestone
Belton Ss.	135	140	Sandstone
Cherryvale Sh.	140	159	Gray, blue shales
Dennis Ls.			
Winterset Sh.	159	187	Gray, blue coarse limestone
Stark Sh.	187	192	Black, fissile shale
Swope Ls.			
Bethany Falls Ls.	192	215	Gray, fine to coarse limestone
Hush puckney Sh.	215	220	Black, fissile shale
Hertha Ls.	220	230	Gray to blue limestone
PLEASANTON			
Knobtown Ss.	230	416	Gray, green shales sand
Dawson Coal Hor.	360	363	Black, fissile, slaty shale
HENRIETTA			
Alamont	416	506	
	416	435	Gray brown, fine grained limestone with gray shale
Pawnee	435	470	Fine grained, light gray limestone
Peru Ss.	496	451	Sand
Myrick Sta. Ls.	464	470	Gray to brown limestone
Anna Sh.	470	475	Coal to black fissile shale
Fort Scott	475	506	Gray to green shales and limestone
Englevale Ss.	475	497	Fine to medium grained channel sandstone
CHEROKEE			
Upper Cherokee	506	---	Gray to dark shales
Upper Squirrel	554	582	Fine to medium grained sandstones
Lower Squirrel	590	614	Fine to medium grained sandstones
Bevier Coal Hor.	---	---	Black coal
Lower Cherokee			
Burbank Ss.			Sandstone, irregular
Bartlesville Ss.	614	640 T.D.	Shale, sandy shale, thin sandstone
Core # 1	445	465	
Core # 2	465	475	
Core # 3	475	487	
			Core # 4 542-562 Up. Squirrel
			Core # 5 562- 582
			Core # 6 582- 602 Lo. Squirrel

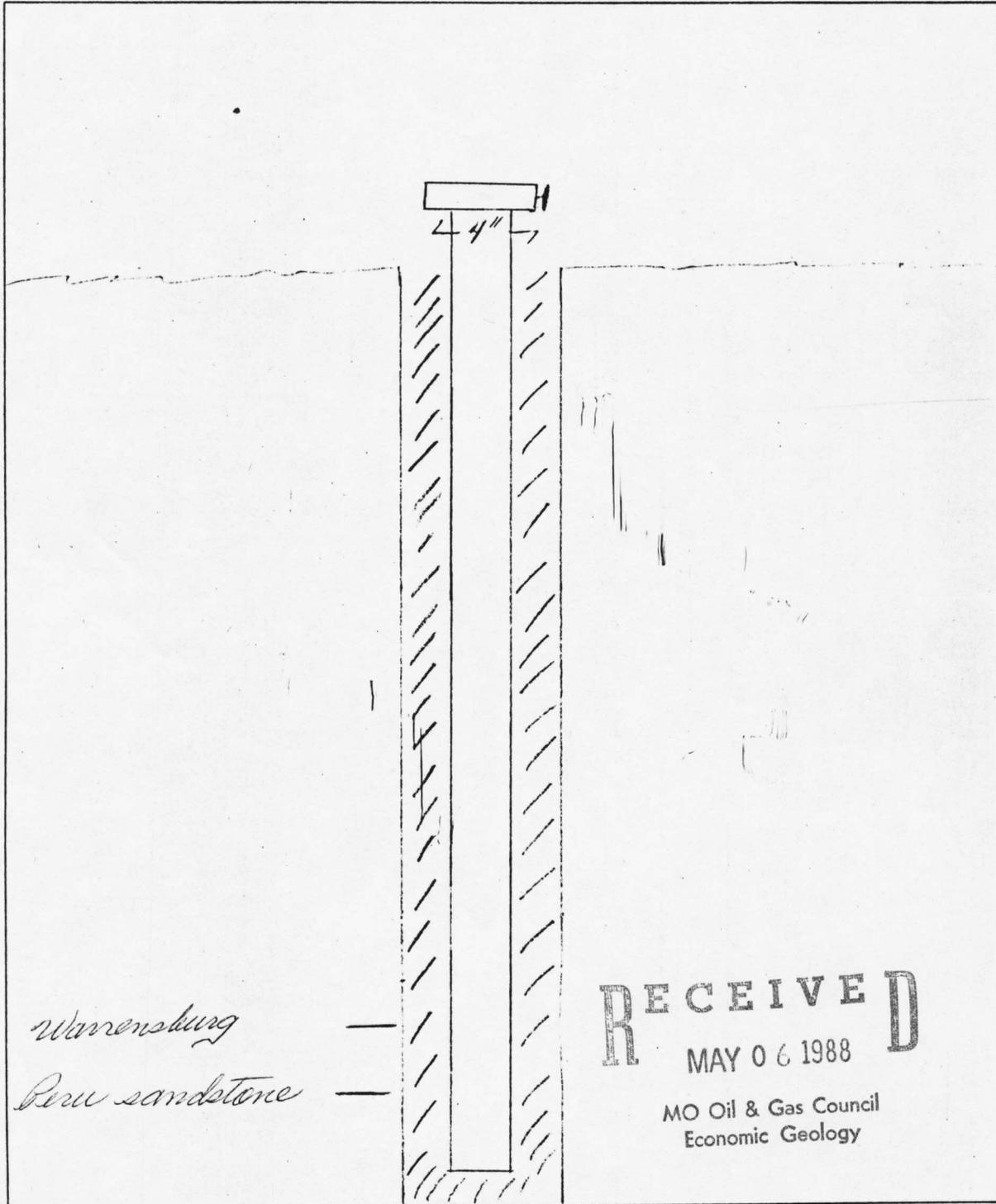
*Show all important zones of porosity, detail of all cores, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, recoveries. 590-614

INSTRUCTIONS:

Attach drillers log or other acceptable log of well if available.

Missouri Oil and Gas Council
INJECTION WELL SCHEMATIC

Form OGC-11



Instructions

On the above space draw a neat accurate schematic diagram of the applicant injection well including the following: configuration of well head, total depth or plug back total depth, depth of all injection or disposal intervals, and their formation names, lithology of all formations penetrated, depths of the tops and bottoms of all casing and tubing, size and grade of all casing and tubing, and the type and depth of packer, depth, location, and type of all cement, depth of all perforations and squeeze jobs, and geologic name and depth to bottom of all underground sources of drinking water which may be affected by the injection. Use back if additional space is needed, or attach sheet.

MECHANICAL INTEGRITY TEST REPORT

Test Date: 6-10-03

Operator: TOWN OIL COMPANY
Contact Person: Lester Town
Address: 16205 West 287th St. Paola, Ks. 66071
Phone: 913-294-2125

Lease BEARY Well # 55-B
County CASS Permit # 20121

TEST INFORMATION:

Type MIT: Pressure Radioactive Tracer Survey Temperature Survey

	Run #1	Run #2	Run #3
Start Time:	<u>2:50</u>		
End Time:	<u>3:20</u>		
Length of Test: (Start Time minus End Time)			

Initial Pressure (PSI): 370
Ending Pressure (PSI): 325
Pressure Change:
(Initial Pressure minus Ending Pressure) 50

Fluid used for test (water, nitrogen, CO2, ect.): AIR

Comments about test: had 130# back pres., held w/in 13.5% of shut-in.

The bottom of the tested zone is shut in with _____
at a depth of _____ ft. In signing the form below, it is certified
that the above indicated well was tested for mechanical integrity on the
date shown at the top of this page.

Signed: Stacy P. Hambricke EOR
Operator Contact Person or _____ Title
Approved Agent

DO NOT WRITE BELOW THIS LINE

Results were: Satisfactory Not Satisfactory
State Agent: Mark Ph Witnessed: Yes No

REMARKS: _____
Computer Update

FILE WITH PERMIT!

MECHANICAL INTEGRITY TEST REPORT

Test Date: 8-20-98

Operator: TOWN OIL COMPANY
Contact Person: Lester Town
Address: 16205 West 287th St. Paola, Ks. 66071
Phone: 913-294-2125

Lease BEARY Well # 55-B
County CASS Permit # 20121

TEST INFORMATION:

Type MIT: Pressure Radioactive Tracer Survey Temperature Survey

	Run #1	Run #2	Run #3
Start Time:	<u>8:02 am</u>		
End Time:	<u>8:32 am</u>		
Length of Test: (Start Time minus End Time)	<u>30 min</u>		

Initial Pressure (PSI): 210 #
Ending Pressure (PSI): 196 #
Pressure Change:
(Initial Pressure minus Ending Pressure) 14 #

Fluid used for test (water, nitrogen, CO2, ect.): Air

Comments about test: Top perf. 556', 66' to fluid, 490' total fluid
490' x .43 = 212 #

The bottom of the tested zone is shut in with float shoe and cement at a depth of 556 ft. In signing the form below, it is certified that the above indicated well was tested for mechanical integrity on the date shown at the top of this page.

Signed: Stefan P. Hamerik EOR
Operator Contact Person or Title
Approved Agent

DO NOT WRITE BELOW THIS LINE

Results were: Satisfactory Not Satisfactory
State Agent: Theodore R. Junt Witnessed: Yes No
REMARKS: Within reasonable range of calculated pressure. Fluid level measurement
Computer Update gss FILE WITH PERMIT! not certain
OGC Misc Form 1

MECHANICAL INTEGRITY TEST REPORT

Test Date: 10 aug 1993

Operator: Town Oil Co.
Contact Person: Lester Town
Address: 16205 West 287th St. Paola, Kansas 66071
Phone: 913-294-2125

Lease BEARY Well # B-55
County CASS Permit # 20121

TEST INFORMATION:

Type MIT: Pressure Radioactive Tracer Survey Temperature Survey

	Run #1	Run #2	Run #3
Start Time:	<u>2:30</u>		
End Time:	<u>3:02</u>		

Length of Test: _____
(Start Time minus End Time)

Initial Pressure (PSI): 141
Ending Pressure (PSI): 123

Pressure Change: 18
(Initial Pressure minus Ending Pressure)

Fluid used for test (water, nitrogen, CO2, ect.): air & nitrogen

Comments about test: Perf at 556-576 Fluid Depression Test

The bottom of the tested zone is shut in with Float Shoe & Cement
at a depth of 556 ft. In signing the form below, it is certified
that the above indicated well was tested for mechanical integrity on the
date shown at the top of this page.

Signed: Steeley P. Hambrich EOR
Operator Contact Person or Title
Approved Agent

DO NOT WRITE BELOW THIS LINE

Results were: Satisfactory Not Satisfactory
State Agent: E. Kiba Witnessed: Yes No

REMARKS: _____
Computer Update 9/2/93 FILE WITH PERMIT!

PUBLIC NOTICE

Town Oil Company, Rt. 4, Rolla, Kansas 66071 has applied for injection well permits at the following locations:

No.	Distance from North Line of Section	Distance from East Line of Section
53-B	355.73	1762.25
55-B	355.73	1542.25
57-B	357.17	1322.25
53-D	738.19	1762.25
55-D	737.19	1542.25
57-D	741.52	1322.25

born according to law, says that he is the publisher of the Star-Herald, a weekly newspaper of Rolla, Missouri, published continuously for a period of 25 years in Cass County, State aforesaid; and that he is familiar with the provisions of the Laws of the State of Missouri relating to the publication of notices and that the notice hereto annexed was published in the Star-Herald for two weeks consecutively, as follows:

of Section 4, Township 46N, Range 33W, Cass County, Missouri.

Written comments or requests for additional information regarding such wells should be directed within fifteen (15) days of this notice to: State Geologist, Missouri Oil and Gas Council, P.O. Box 250, Rolla, Missouri 65401.

...50 dated 4/28, 1988

April 28, 1988

- 2nd insertion vol. No. dated, 19.....
- 3rd insertion, Vol. No. dated, 19.....
- 4th insertion, Vol. No. dated, 19.....
- 5th insertion, Vol. No. dated, 19.....
- 6th insertion, Vol. No. dated, 19.....

Printer's Fee, \$ 33.00

Berry

[Signature]
Publisher

Subscribed and sworn to before me this 28th day of April

19 88

Witness my hand official seal.

Dora E. Nation
Notary Public

RECEIVED
MAY 06 1988

MO Oil & Gas Council
Economic Geology

Probate Judge

DORA E. NATION
Notary Public - State of Missouri
Commissioned in Cass County
My Commission Expires May 5, 1989

37	07/12/83	PRO01 PRAIRIE ENERGY CORP.	KNOX	4	955	600	590 46N	33V	04	1264 FSL	2381 FSL	CASS	037	20356	PRODUCING
38	07/12/83	PRO01 PRAIRIE ENERGY CORP.	MACLAUGHLIN	3-C	1007	700	640 46N	33V	04	2471 FSL	2117 FSL	CASS	037	20382	INCOMPLETE
39	04/12/83	PRO01 PRAIRIE ENERGY CORP.	MACLAUGHLIN	5L	1030	700	680 46N	33V	04	35 FSL	2598 FSL	CASS	037	20388	PRODUCING
40	04/12/83	PRO01 PRAIRIE ENERGY CORP.	WOLFMAN	5	1030	700	680 46N	33V	04	1122 FSL	2116 FSL	CASS	037	20389	PRODUCING
41	04/12/83	PRO01 PRAIRIE ENERGY CORP.	MACLAUGHLIN	1E	1058	650	640 46N	33V	04	145 FSL	2244 FSL	CASS	037	20393	PRODUCING
42	04/12/83	PRO01 PRAIRIE ENERGY CORP.	MACLAUGHLIN	10-K	1050	700	640 46N	33V	04	145 FSL	2244 FSL	CASS	037	20393	PRODUCING
43	04/12/83	PRO01 PRAIRIE ENERGY CORP.	MACLAUGHLIN	1-L	1050	700	620 46N	33V	04	1334 FSL	2222 FSL	CASS	037	20395	PRODUCING
44	07/22/83	PRO01 PRAIRIE ENERGY CORP.	MACLAUGHLIN	0-K	1035	700	620 46N	33V	04	1000 FSL	2333 FSL	CASS	037	20396	PRODUCING
45	07/22/83	PRO01 PRAIRIE ENERGY CORP.	KNOX	5	1035	700	580 46N	33V	04	175 FSL	2162 FSL	CASS	037	20398	PRODUCING
46	07/22/83	PRO01 PRAIRIE ENERGY CORP.	KNOX	6	985	700	568 46N	33V	04	567 FSL	1833 FSL	CASS	037	20398	PRODUCING
47	08/13/83	PRO01 PRAIRIE ENERGY CORP.	KNOX	10	980	700	568 46N	33V	04	344 FSL	1169 FSL	CASS	037	20399	PRODUCING
48	12/11/83	PRO01 PRAIRIE ENERGY CORP.	MACLAUGHLIN	8-K	1053	650	647 46N	33V	04	500 FSL	2241 FSL	CASS	037	20407	PRODUCING
49	04/12/84	PRO01 PRAIRIE ENERGY CORP.	MACLAUGHLIN	24V	1045	600	600 46N	33V	04	1335 FSL	2180 FSL	CASS	037	20424	PRODUCING
50	07/22/84	PRO01 PRAIRIE ENERGY CORP.	MACLAUGHLIN	22V	1058	400	600 46N	33V	04	1880 FSL	2683 FSL	CASS	037	20427	INJECTION UC
51	04/12/84	PRO01 PRAIRIE ENERGY CORP.	MACLAUGHLIN	28V	1040	600	600 46N	33V	04	2399 FSL	2538 FSL	CASS	037	20428	INJECTION UC
52	04/12/84	PRO01 PRAIRIE ENERGY CORP.	MACLAUGHLIN	36V	1035	600	600 46N	33V	04	30 FSL	2416 FSL	CASS	037	20429	INJECTION UC
53	04/12/84	PRO01 PRAIRIE ENERGY CORP.	MACLAUGHLIN	25V	1045	600	600 46N	33V	04	1275 FSL	2656 FSL	CASS	037	20430	INJECTION UC
54	04/12/84	PRO01 PRAIRIE ENERGY CORP.	MACLAUGHLIN	19V	1085	600	600 46N	33V	04	1107 FSL	1357 FSL	CASS	037	20431	INJECTION UC
55	04/12/84	PRO01 PRAIRIE ENERGY CORP.	MACLAUGHLIN	22V	1070	600	600 46N	33V	04	648 FSL	2344 FSL	CASS	037	20432	INJECTION UC
56	04/12/84	PRO01 PRAIRIE ENERGY CORP.	MACLAUGHLIN	24V	1055	600	600 46N	33V	04	1121 FSL	2404 FSL	CASS	037	20434	INJECTION UC
57	04/12/84	PRO01 PRAIRIE ENERGY CORP.	MACLAUGHLIN	35V	1035	600	600 46N	33V	04	330 FSL	2413 FSL	CASS	037	20435	INJECTION UC
58	04/12/84	PRO01 PRAIRIE ENERGY CORP.	MACLAUGHLIN	34V	1060	600	600 46N	33V	04	448 FSL	2409 FSL	CASS	037	20436	INJECTION UC
59	04/12/84	PRO01 PRAIRIE ENERGY CORP.	MACLAUGHLIN	33V	1035	600	600 46N	33V	04	1880 FSL	2425 FSL	CASS	037	20437	INJECTION UC
60	04/12/84	PRO01 PRAIRIE ENERGY CORP.	MACLAUGHLIN	32V	1040	600	600 46N	33V	04	2109 FSL	2450 FSL	CASS	037	20438	INJECTION UC
61	04/12/84	PRO01 PRAIRIE ENERGY CORP.	MACLAUGHLIN	31V	1070	600	600 46N	33V	04	2399 FSL	2185 FSL	CASS	037	20439	INJECTION UC
62	04/12/84	PRO01 PRAIRIE ENERGY CORP.	MACLAUGHLIN	30V	1055	600	600 46N	33V	04	2406 FSL	2167 FSL	CASS	037	20440	INJECTION UC
63	04/12/84	PRO01 PRAIRIE ENERGY CORP.	MACLAUGHLIN	29V	1040	600	600 46N	33V	04	2400 FSL	2407 FSL	CASS	037	20441	INJECTION UC
64	04/12/84	PRO01 PRAIRIE ENERGY CORP.	MACLAUGHLIN	37V	1065	600	600 46N	33V	04	30 FSL	2479 FSL	CASS	037	20442	INJECTION UC
65	04/12/84	PRO01 PRAIRIE ENERGY CORP.	MACLAUGHLIN	18V	1085	600	600 46N	33V	04	1121 FSL	1357 FSL	CASS	037	20443	INJECTION UC
66	04/12/84	PRO01 PRAIRIE ENERGY CORP.	MACLAUGHLIN	16V	1070	600	600 46N	33V	04	1267 FSL	1378 FSL	CASS	037	20444	INJECTION UC
67	04/12/84	PRO01 PRAIRIE ENERGY CORP.	MACLAUGHLIN	14V	1050	600	600 46N	33V	04	2419 FSL	1883 FSL	CASS	037	20445	INJECTION UC
68	04/12/84	PRO01 PRAIRIE ENERGY CORP.	MACLAUGHLIN	13V	1050	600	600 46N	33V	04	2417 FSL	1358 FSL	CASS	037	20446	INJECTION UC
69	04/12/84	PRO01 PRAIRIE ENERGY CORP.	MACLAUGHLIN	12V	1085	600	600 46N	33V	04	2260 FSL	1683 FSL	CASS	037	20447	INJECTION UC
70	04/12/84	PRO01 PRAIRIE ENERGY CORP.	MACLAUGHLIN	11V	1065	600	600 46N	33V	04	1740 FSL	1683 FSL	CASS	037	20448	INJECTION UC
71	04/12/84	PRO01 PRAIRIE ENERGY CORP.	MACLAUGHLIN	20V	1070	600	600 46N	33V	04	817 FSL	2044 FSL	CASS	037	20449	INJECTION UC
72	04/12/84	PRO01 PRAIRIE ENERGY CORP.	MACLAUGHLIN	17V	1080	600	600 46N	33V	04	1747 FSL	1358 FSL	CASS	037	20450	INJECTION UC
73	04/12/84	PRO01 PRAIRIE ENERGY CORP.	MACLAUGHLIN	14V	1085	600	600 46N	33V	04	755 FSL	2314 FSL	CASS	037	20451	INJECTION UC
74	04/12/84	PRO01 PRAIRIE ENERGY CORP.	MACLAUGHLIN	4V	1070	600	600 46N	33V	04	1607 FSL	2090 FSL	CASS	037	20452	INJECTION UC
75	04/12/84	PRO01 PRAIRIE ENERGY CORP.	MACLAUGHLIN	9V	1060	600	600 46N	33V	04	2825 FSL	2341 FSL	CASS	037	20453	INJECTION UC
76	04/12/84	PRO01 PRAIRIE ENERGY CORP.	MACLAUGHLIN	11V	1080	600	600 46N	33V	04	1460 FSL	1462 FSL	CASS	037	20454	INJECTION UC
77	04/12/84	PRO01 PRAIRIE ENERGY CORP.	MACLAUGHLIN	33V	1070	600	600 46N	33V	04	30 FSL	2360 FSL	CASS	037	20455	INJECTION UC
78	04/12/84	PRO01 PRAIRIE ENERGY CORP.	MACLAUGHLIN	10V	1055	600	600 46N	33V	04	2080 FSL	2467 FSL	CASS	037	20456	INJECTION UC
79	04/12/84	PRO01 PRAIRIE ENERGY CORP.	MACLAUGHLIN	21V	1075	600	600 46N	33V	04	330 FSL	2043 FSL	CASS	037	20457	INJECTION UC
80	04/12/84	PRO01 PRAIRIE ENERGY CORP.	MACLAUGHLIN	31V	1070	600	600 46N	33V	04	30 FSL	2042 FSL	CASS	037	20458	INJECTION UC
81	12/11/84	PRO01 PRAIRIE ENERGY CORP.	MACLAUGHLIN	3L	1051	600	610 46N	33V	04	1711 FSL	2216 FSL	CASS	037	20459	INJECTION UC
82	07/06/85	PRO01 PRAIRIE ENERGY CORP.	MACLAUGHLIN	2X	1059	627	629 46N	33V	04	1576 FSL	2356 FSL	CASS	037	20463	INJECTION AC



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

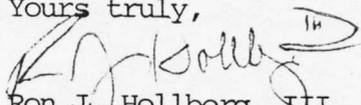
Dear Mr. Netzler,

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



OILFIELD RESEARCH LABORATORIES

536 NORTH HIGHLAND · CHANUTE, KANSAS 66720 · PHONE (316) 431-2650

February 6, 1981

Emery Energy, Inc.
P. O. Box 519
Osawatomie, Kansas 66064

Gentlemen:

Attached hereto are the results of tests run on the rotary cores taken from the Beary Lease, Well No. 55-B, located in Section 4, T-46N, R-33W, Cass County, Missouri.

The cores were sampled and sealed in plastic by a representative of the client and submitted to our laboratory on December 27, 1980 and January 15, 1981.

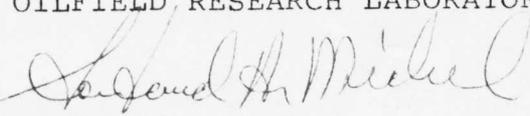
Because of the time differential in submitting the two portions of this core, a completed report was sent on the portion submitted on December 27, 1980.

The attached report includes both portions of the cores and supercedes the report dated January 20, 1981.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES


Sanford A. Michel

SAM/kas

5 c to Osawatomie, Kansas

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MO. OIL & GAS COUNCIL

- REGISTERED ENGINEERS -

CORE ANALYSIS - WATER ANALYSIS - REPRESSURING ENGINEERING - SURVEYING & MAPPING - PROPERTY EVALUATION & OPERATION

OILFIELD RESEARCH LABORATORIES

LOGName Emery Energy, Inc. Lease Beary Well No. 55-B

<u>Depth Interval, Feet</u>	<u>Description</u>
	<u>MERRYVALE SAND</u>
475.0 - 479.3	Brown slightly calcareous shaly sandstone.
479.3 - 481.0	Gray laminated sandstone and shale.
	<u>UPPER SQUIRREL SAND</u>
542.0 - 548.0	Gray sandy shale.
	<u>LOWER SQUIRREL SAND</u>
562.0 - 564.2	Dark brown slightly calcareous sandstone.
564.2 - 568.3	Brown and gray laminated slightly calcareous sandstone and shale.
568.3 - 570.5	Dark brown slightly calcareous sandstone.
570.5 - 571.0	Grayish brown slightly calcareous conglomeratic shaly sandstone.
571.0 - 577.5	Dark brown slightly calcareous sandstone.
577.5 - 581.7	Gray calcareous shaly sandstone.
581.7 - 586.1	Dark brown slightly calcareous sandstone.
586.1 - 588.3	Gray sandy shale.
588.3 - 590.0	Grayish brown shaly sandstone.
590.0 - 602.0	Brown slightly calcareous sandstone.

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RESULTS OF SATURATION & PERMEABILITY TESTS

JUN 04 1981

TABLE 1

MO. OIL & GAS COUNCIL

Company Emery Energy, Inc. Lease Beary Well No. 55-B

Sample No.	Depth, Feet	Porosity Percent	Percent Saturation			Oil Content Bbls. / A Ft.	Perm., Mill.
			Oil	Water	Total		
<u>MERRYVALE SAND</u>							
* 1	476.3	18.5	53	44	97	761	8.5
* 2	477.5	15.0	58	13	71	675	2.7
* 3	478.3	15.7	54	36	90	658	9.2
* 4	479.1	15.2	28	53	81	330	Imp.
<u>SQUIRREL SAND</u>							
1	562.4	28.5	40	31	71	884	273.
2	563.5	25.6	22	52	74	437	169.
3	564.5	25.9	12	57	69	241	40.
* 4	565.3	17.7	13	81	94	179	4.7
* 5	566.3	17.9	25	70	95	347	181.
* 6	567.1	15.0	25	68	93	291	68.
7	568.6	30.6	61	1	62	1448	40.
8	569.9	25.3	30	40	70	589	158.
9	571.5	29.5	41	22	63	938	296.
10	572.9	28.4	46	24	70	1014	145.
11	574.2	26.8	41	24	65	852	169.
12	575.7	26.8	45	21	66	936	181.
* 13	577.4	25.2	63	27	90	1232	137.
14	582.7	28.2	39	27	66	853	203.
15	584.6	29.1	29	37	66	655	314.
* 16	585.5	27.1	46	44	90	967	280.
17	589.5	20.7	23	44	67	369	1.7
18	590.7	27.1	25	38	63	526	97.
19	592.1	25.6	33	34	67	655	40.
20	593.8	24.6	25	29	54	477	43.
21	595.8	25.4	22	42	64	434	108.
22	597.5	25.4	32	26	58	631	70.
23	598.8	23.2	25	42	67	450	13.
24	599.8	23.5	21	30	51	383	17.
25	601.4	25.2	29	40	69	567	76.

NOTE: * Samples previously reported.