

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 Company DATE 3-2-84

Route 4 Address Paola City KS State

DESCRIPTION OF WELL AND LEASE

Name of lease Walton Well number 21-W Elevation (ground) 1075 TM

WELL LOCATION (give footage from section lines) 330 ft. from (N) (S) sec line 2043 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 10 feet
Distance from proposed location to nearest drilling, completed or applied - for well on the same lease 210 feet

Proposed depth 600' Rotary or Cable tools Rotary Drilling Contractor, name and address Company Tools Approx. date work will start When approved

Number of acres in lease Approx 85 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 Harry Knoche Address Relton, MO
No of Wells: producing _____ injection _____ inactive _____ abandoned _____

Status of Bond Single Well Amt. _____ Blanket Bond Amt. 20,000 ON FILE ATTACHED

Outline Proposed Stimulation Program Water injection and secondary recovery

RECEIVED MAR 31 1988

Proposed casing program amt. 600' size 2" wt/ft 3.75 cem. to surface
Approved casing - To be filled in by State Geologist MO Oil & Gas Council Economic Geology amt. 600 size 2" wt/ft 3.75 cem. to surface

I, the undersigned, state that I am the Partner of the Town Oil Co. (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 Michael Moran

Permit Number #2045?
Approved Date 4/25/84
Approved by Wallace B. Hines RP

SAMPLES REQUIRED SAMPLES NOT REQUIRED
WATER SAMPLES REQUIRED @ APR 09 1984

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

Remit two copies to: MISSOURI OIL & GAS COUNCIL
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.

I Lester Town of the Town Oil Co.

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 Michael Town

Date 3-2-84

Proposed Operations Data

Proposed average daily injection, pressure 400 psig, rate 25 bpd/gpm, volume 300 bbl/gal

Approved average daily injection, (to be filled in by State Geologist). pressure 400 psig, rate 25 bpd/gpm, volume 300 bbl/gal

Proposed maximum daily injection, pressure 700 psig, rate 50 bpd/gpm, volume 1000 bbl/gal

Approved maximum daily injection, (to be filled in by State Geologist). pressure 600 psig, rate 50 bpd/gpm, volume 1000 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).

See enclosed water analysis report
Describe the compatibility of the proposed injected fluid with that of the receiving formations, including total dissolved solids comparisons.

Same

RECEIVED
MAR 31 1984

MO Oil & Gas Council
Economic Geology

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

See the enclosed driller's log, gamma ray and core analysis

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

See the enclosed driller's log, gamma ray and core analysis

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

RECEIVED

APR 09 1984

MO. OIL & GAS COUNCIL

#20457

WELL COMPLETION OR RECOMPLETION REPORT AND WELL LOG

New Well Workover Deepen Plug Back Injection Same Reservoir Different Reservoir Oil Gas Dry

Owner TOWN OIL COMPANY		Address RR 4, PAOLA, KANSAS 66071			
Lease Name WALTON		Well Number 21-W			
Location 330 FNL 2043 FEL			Sec., Twp., and Range or Block and Survey		
County CASS	Permit number (OGC 3 or OGC 3 I) 20457				
Date spudded May 12	Date total depth reached	Date completed, ready to produce or inject	Elevation (DF, RKR, RT, or Gr.) feet	Elevation of casing hd. flange feet	
Total depth 617	P. B. T. D.				
Producing or injection interval(s) for this completion			Rotary tools used (interval) From 0 to TD Drilling Fluid used WATER	Cable tools used (interval) From _____ to _____	
Was this well directionally drilled? NO	Was directional survey made?	Was copy of directional survey filed?	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		6 1/4"		21		
PRODUCTION		2"			CEMENTED TO SURFACE	

TUBING RECORD

LINER RECORD

Size in.	Depth set ft.	Packer set at ft.	Size in.	Top ft.	Bottom ft.	Sacks cement	Screen (ft.)

PERFORATION RECORD

ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD

Number per ft	Size & type	Depth Interval	Amount and kind of material used	Depth Interval

INITIAL PRODUCTION

Date of first production or injection		Producing method (indicate if flowing, gas lift, or pumping -- if pumping, show size and type of pump)				
Date of test	Hrs. tested	Choke size	Oil produced during test bbls.	Gas produced during test MCF	Water produced during test bbls.	Oil gravity API (Corr.)
Tubing pressure	Casing pressure	Cal'd rate of Production per 24 hours	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:

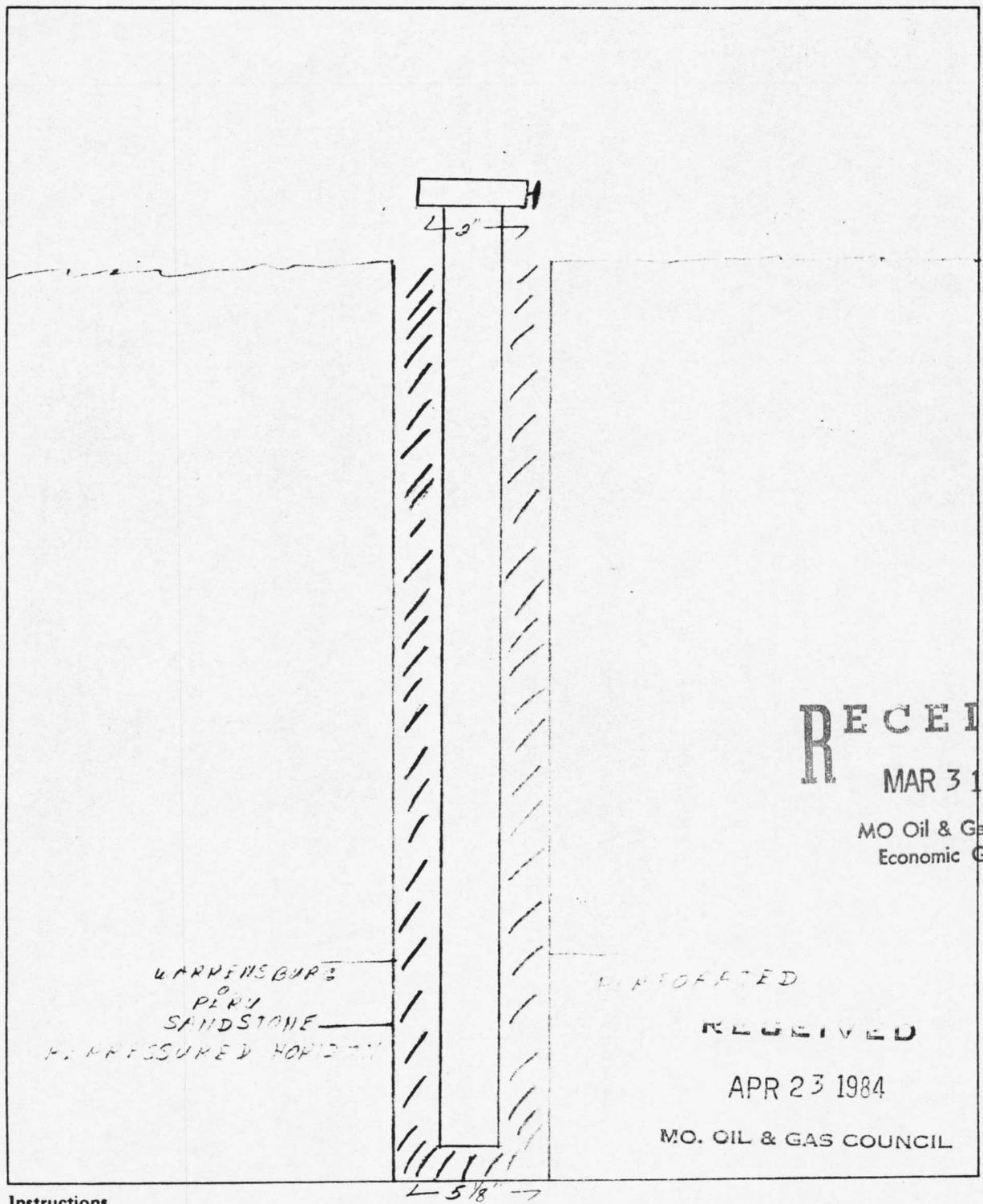
COVERED WITH DIRT

CERTIFICATE: I, the undersigned, state that I am the PARTNER of the TOWN OIL COMPANY (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.

Lester Town

Signature

Missouri Oil and Gas Council
INJECTION WELL SCHEMATIC Form OGC-11



RECEIVED
MAR 31 1988
MO Oil & Gas Council
Economic Geology

RECEIVED
APR 23 1984
MO. OIL & GAS COUNCIL

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.

#9.0157

Area of Review Wells (1/2 mile radius around well) that Penetrate the Injection Interval

RECEIVED
MAR 31 1988

Completed

Depth

Type

Owner

Location

Well #

Lease

Construction

Lease	Well #	Location	Owner	Depth	Type	Completed	Construction
Walton	29	495' from (N1)S0 sec. line 2140' from (E1)W1 sec. line Sec. 4 T. 46 N. R. 33W	Town 011	608	0	9/77 10/77	Surface: 7" casing 74' Production: 4" casing 596'
Walton	31	1261' from (N1)S0 sec. line 1517' from (E1)W1 sec. line Sec. 4 T. 46 N. R. 33W	Town 011	590	0	1/81 2/81	Surface: 8 5/8" hole 6 1/2" casing 21' Production: 5 1/2" hole 2" casing 502'
Walton	32	1258' from (N1)S0 sec. line 1847' from (E1)W1 sec. line Sec. 4 T. 46 N. R. 33W	Town 011	600	0	2/82 2/82	Surface: 9" hole 6 1/2" casing 20' Production: 5 1/8" hole 2" casing 588.05'
Walton	37	2221' from (N1)S0 sec. line 1518' from (E1)W1 sec. line Sec. 4 T. 46 N. R. 33W	Town 011	595	0	3/82 3/82	Surface: 9" hole 6 1/2" casing 20.5' Production: 5 1/8" hole 6 1/2" casing 595.20'
Asjes	C-4	547' from (N1)S0 sec. line 882' from (E1)W1 sec. line Sec. 4 T. 46 N. R. 33W	Emery Energy	639	0	11/81 11/81	Surface: 9" hole 6 1/2" casing 20' Production: 5 1/2" hole 2" casing 640'
Asjes	C-6	547' from (N1)S0 sec. line 559' from (E1)W1 sec. line Sec. 4 T. 46 N. R. 33W	Emery Energy	634	0	7/81 7/81	Surface: 9" hole 6 1/2" casing 20' Production: 5 1/2" hole 2" casing 636.5'
Asjes	C-8	547' from (N1)S0 sec. line 18' from (E1)W1 sec. line Sec. 4 T. 46 N. R. 33W	Emery Energy	670	0	7/81 7/81	Surface: 9" hole 6 1/2" casing 22' Production: 5 1/2" hole 2" casing 660'
Asjes	C-10	54' from (N1)S0 sec. line 159' from (E1)W1 sec. line Sec. 4 T. 46 N. R. 33W	Emery Energy	636	0	9/81 9/81	Surface: 9" hole 6 1/2" casing 20' Production: 5 1/2" hole 2" casing 636.5'

Attach additional sheets if necessary

Instructions

In the above grid place the descriptions of area of review wells (1/2 mile radius around well) of public record that penetrate the proposed injection zone. Complete the following: lease name, well number, location, owner, depth in feet, type of well (Oil = O, Gas = G, Water = W, Injection = I, Strat Test = S, Unknown = U, Other = specify), date spudded, date completed, and construction of the well. Give a brief but accurate description of the well's construction including all plugging and/or completion information, detailing the cement casing, and subsurface casing information.

#20457

Area of Review Wells (1/2 mile radius around well) that Penetrate the Injection Interval

RECEIVED
Depth Type

Completed
Date

Location

Well #

Lease

Lease	Well #	Location	Owner	Depth	Type	Completed Date	Construction
Walton	5W	1201' from (N1)S1 sec. line 2200' from (E1)W1 sec. line Sec. 4 T. 46 N. R. 33W	Town 011	600	0	2/82 2/82	Surface: 9" hole 6 1/2" casing 20.9' Production: 5 1/8" hole 2" casing 592'
Walton	6W	1555' from (N1)S1 sec. line 2330' from (E1)W1 sec. line Sec. 4 T. 46 N. R. 33W	Town 011	593	0	9/77 9/77	Surface: 6 1/2" casing 20' Production: 2" casing 573'
Walton	8W	1580' from (N1)S1 sec. line 1595' from (E1)W1 sec. line Sec. 4 T. 46 N. R. 33W	Town 011	614	0	9/77 9/77	Surface: 6 1/2" casing 18' Production: 2" casing 612'
Walton	20	2229' from (N1)S1 sec. line 2383' from (E1)W1 sec. line Sec. 4 T. 46 N. R. 33W	Town 011	550	0	2/76 2/76	Surface: 8" hole 8" casing 20' Intermediate 8" hole 6 1/2" casing 456' Producing: 6 1/2" hole 4 1/2" casing 535'
Walton	22	1413' from (N1)S1 sec. line 1775' from (E1)W1 sec. line Sec. 4 T. 46 N. R. 33W	Town 011	594	0	8/76 8/76	Surface 8" hole 8" casing 23' Production: 6 1/2" hole 4 1/2" casing 570'
Walton	24	164' from (N1)S1 sec. line 2505' from (E1)W1 sec. line Sec. 4 T. 46 N. R. 33W	Town 011	620	0	1/81 1/81	Surface: 8 5/8" hole 6 1/2" casing 21' Production: 5 1/2" hole 2" casing 620'
Walton	25	165' from (N1)S1 sec. line 2835' from (E1)W1 sec. line Sec. 4 T. 46 N. R. 33W	Town 011	620	0	11/80 11/80	Surface 8 5/8" hole 6 1/2" casing 21' Production: 5 1/2" hole 2" casing 610'
Walton	26	165' from (N1)S1 sec. line 2140' from (E1)W1 sec. line Sec. 4 T. 46 N. R. 33W	Town 011	620	0	10/80 10/80	Surface: 8 5/8" hole 6 1/2" casing 22' Production: 5 1/2" hole 2" casing 600'

Attach additional sheets if necessary

Instructions

In the above grid place the descriptions of area of review wells (1/2 mile radius around well) of public record that penetrate the proposed injection zone. Complete the following: lease name, well number, location, owner, depth in feet, type of well (Oil = O, Gas = G, Water = W, Injection = I, Strat Test = S, Unknown = U. Other specify), date spudded, date completed, and construction of the well. Give a brief but accurate description of the well's construction including all plugging and/or completion information, detailing the cement casing and subsurface casing information.

#20457

Area of Review Wells (1/2 mile radius around well) that Penetrate the Injection Interval
MAR 31 1988
8861 E 24th

#20457

PERMIT
OWNERS DEPTH TYPE

Lease Well # Location Construction

Lease	Well #	Location	Emery Energy	Depth	Type	Date Spudded	Date Completed	Construction
Asjes	E-4	812' from (N)(S) sec. line 882' from (E)(W) sec. line Sec 4 T 46 N R 33N	Emery Energy	629	0	11/81	11/81	Surface: 9" hole 6 1/4" casing 20' Production: 5 1/4" hole 2" casing 640'
Asjes	G-2	1306.5' from (N)(S) sec. line 1187.5' from (E)(W) sec. line Sec 4 T 46 N R 33W	Emery Energy	669.4	0	11/81	11/81	Surface: 9" hole 6 1/4" casing 20' Production: 5 1/4" hole 2" casing 670'
Asjes	G-4	1303' from (N)(S) sec. line 972' from (E)(W) sec. line Sec 4 T 46 N R 33W	Emery Energy	666.0	0	11/81	11/81	Surface: 9" hole 6 1/4" casing 17.6' Production: 5 1/4" hole 2" casing 670'
Beary	A-52	165' from (N)(S) sec. line 1872' from (E)(W) sec. line Sec 4 T 46 N R 33W	Emery Energy	642	0	1/81	1/81	Surface: 9" hole 7" casing 21' Production 6 1/4" hole 4" casing 628.4'
Beary	52C	546.46' from (N)(S) sec. line 1872.25' from (E)(W) sec. line Sec 4 T 46 N R 33W	Emery Energy	640	0	1/81	1/81	Surface: 9" hole 7" casing 35' Production: 6 1/4" hole 4" casing 627.80'
Beary	E-52	927.92' from (N)(S) sec. line 1872.25' from (E)(W) sec. line Sec 4 T 46 N R 33W	Emery Energy	641	0	1/81	1/81	Surface: 9" hole 7" casing 21.853' Production: 6 1/4" hole 4" casing 628.35'
Beary	53B	355.73' from (N)(S) sec. line 1762.25' from (E)(W) sec. line Sec 4 T 46 N R 33W	Emery Energy	640	0	1/81	1/81	Surface: 9" hole 7" casing 21.583" Production: 6 1/4" hole 4" casing 630.85'
Beary		738.19' from (N)(S) sec. line 1762.25' from (E)(W) sec. line Sec 4 T 46 N R 33W	Emery Energy	640	0	1/81	1/81	Surface: 9" hole 7" casing 20.9' Production: 6 1/4" hole 4" casing 627.5'

Attach additional sheets if necessary

Instructions

In the above grid place the descriptions of area of review wells (1/2 mile radius around well) of public record that penetrate the proposed injection zone. Complete the following: lease name, well number, location, owner, depth in feet, type of well (Oil - O, Gas - G, Water - W, Injection - I, Strat Test - S, Unknown - U, Other - specify), date spudded, date completed, and construction of the well. Give a brief but accurate description of the well's construction including all plugging and/or completion information, detailing the cement, casing, and subsurface casing information.

Area of Review Wells (1/2 mile radius around well) that Penetrate the Injection Interval

Lease	Well #	Location	Owner	Depth	Type	1/81	1/81	Construction
Beary	54A	165' from (N)1(S) sec. line 1652.25' from (E)1(W) sec. line Sec. 4 T. 46 N. R. 33W	Emery Energy	640	0	1/81	1/81	Surface 9" hole 7" casing 20.583' Production 6 1/4" hole 4" casing 629.80'
Beary	54C	546.4' from (N)1(S) sec. line 1652.2' from (E)1(W) sec. line Sec. 4 T. 46 N. R. 33W	Emery Energy	640	0	12/80	12/80	Surface 9" hole 7" casing 21.583' Production 6 1/4" hole 4" casing 630.6'
Beary	54C1	546.6' from (N)1(S) sec. line 16 J. 2' from (E)1(W) sec. line Sec. 4 T. 46 N. R. 33W	Emery Energy	520	0	1/81	1/81	Surface: 9" hole 7" casing 21.67' Production 6 1/4" hole 4" casing 462.50'
Beary	54E	930.2' from (N)1(S) sec. line 1652.2' from (E)1(W) sec. line Sec. 4 T. 46 N. R. 33W	Emery Energy	640	0	1/81	1/81	Surface 9" hole 7" casing 20.75' Production: 6 1/4" hole 4" casing 628.35'
Beary	B-55	355' from (N)1(S) sec. line 1542' from (E)1(W) sec. line Sec. 4 T. 46 N. R. 33W	Emery Energy	640	0	1/81	1/81	Surface 9" hole 7" casing 21.42' Production 6 1/4" hole 4" casing 628.70'
		from (N)1(S) sec. line from (E)1(W) sec. line Sec. T. N. R.						
		from (N)1(S) sec. line from (E)1(W) sec. line Sec. T. N. R.						
		from (N)1(S) sec. line from (E)1(W) sec. line Sec. T. N. R.						

Attach additional sheets if necessary

Instructions

In the above grid place the descriptions of area of review wells (1/2 mile radius around well) of public record that penetrate the proposed injection zone. Complete the following: lease name, well number, location, owner, depth in feet, type of well (Oil = O, Gas = G, Water = W, Injection = I, Strat = S, Unknown = U, Other = specify), date spudded, date completed, and construction of the well. Give a brief but accurate description of the well's construction including all plugging and/or completion information, detailing the cement casing, and subsurface casing information.

MAR 31 1988

MO Oil & Gas Council
Economic Geology

#20452

NOTICE

Town Oil Company, Rt. 4, Paola, Kansas has applied for injection wells to be drilled to an approximate depth of 600 feet at the following locations:

No.	Distance from North Line of Section	Distance from East or West Line of Section
21W	330'	2043' E
22W	648'	2362' E
23W	648'	2679' E

of Section 4, Township 46, Range 33, in 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.

January 14, 1988

AFFIDAVIT OF PUBLICATION

STATE OF MISSOURI SS.
COUNTY OF CASS

Wm. E. James, being duly sworn according to law, says that he is the publisher of the Belton-Raymore Star-Herald, a weekly newspaper of general circulation, printed and published continuously for a period of at least three years in the County of Cass, State aforesaid; and that said newspaper has complied with the provisions of the Laws of Missouri, of 1937, Page 431; and that the notice hereto annexed was published in said paper for ~~one~~ weeks consecutively, as follows:

- 1st insertion, Vol. 96 No. 35 dated 1/14, 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, \$ 17.63

Wm. E. James
.....
Publisher

Subscribed and sworn to before me this 14th day of January, 19 88.

Witness my hand official seal.

Dora E. Nation
.....
Notary Public
DORA E. NATION
Notary Public in and for the State of Missouri
Comm. Expires 12/31/90
My Commission Expires May 6, 1989

Probate Judge

RECEIVED
MAR 31 1988

MO Oil & Gas Council
Economic Geology

MECHANICAL INTEGRITY TEST REPORT

Test Date: 8-29-03

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

Lease WALTON Well # 21-W
County CASS Permit # 20457

TEST INFORMATION:

Type MIT: Pressure Radioactive Tracer Survey Temperature Survey

	Run #1	Run #2	Run #3
Start Time:	<u>9:23</u>		
End Time:	<u>10:21</u>		
Length of Test: (Start Time minus End Time)	<u>58 min</u>		

Initial Pressure (PSI): 240 #
Ending Pressure (PSI): 240 #
Pressure Change:
(Initial Pressure minus Ending Pressure) 0 #

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

Comments about test: 548' of fluid
Perfs 548'-556'
Fluid depression test,

The bottom of the tested zone is shut in with float shoe and cement at a depth of 548' 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 R. Hamblee EOR
Operator Contact Person or Approved Agent Title

DO NOT WRITE BELOW THIS LINE

Results were: Satisfactory Not Satisfactory
State Agent: _____ Witnessed: Yes No
REMARKS: Witnessed by Ted Fritz, EPA 8-29-03
Computer Update _____ FILE WITH PERMIT!

MECHANICAL INTEGRITY TEST REPORT

Test Date: 8/19/98

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

Lease WALTON Well # 21-W
County CASS Permit # 20457

TEST INFORMATION:

Type MIT: Pressure Radioactive Tracer Survey Temperature Survey

	Run #1	Run #2	Run #3
Start Time:	<u>8:30</u>		
End Time:	<u>9:10</u>		
Length of Test: (Start Time minus End Time)	<u>40 min</u>		

Initial Pressure (PSI): 246#
Ending Pressure (PSI): 248#
Pressure Change:
(Initial Pressure minus Ending Pressure) +8#

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

Comments about test: fill H₂O 120#
Perf - 548 - 552' - 548 c. 933 = ↑

The bottom of the tested zone is shut in with float shoe & cement at a depth of 548' 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: Lester Town agent
Operator Contact Person or Approved Agent Title

DO NOT WRITE BELOW THIS LINE

Results were: Satisfactory Not Satisfactory
State Agent: SMS Witnessed: Yes No
REMARKS: Witnessed by Ted J. [unclear] / EPA
Computer Update [unclear] FILE WITH PERMIT

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 WALTON Well # 21-W
County CASS Permit # 20457

TEST INFORMATION:

Type MIT: Pressure Radioactive Tracer Survey Temperature Survey

	Run #1	Run #2	Run #3
Start Time:	<u>12:05</u>	<u>12:00</u>	<u> </u>
End Time:	<u>12:35</u>	<u>1:25</u>	<u> </u>
Length of Test: (Start Time minus End Time)	<u>30</u>	<u>1:25</u>	<u> </u>

Initial Pressure (PSI):	<u>135</u>	<u>175</u>	<u> </u>
Ending Pressure (PSI):	<u>135</u>	<u>135</u>	<u> </u>
Pressure Change: (Initial Pressure minus Ending Pressure)	<u> </u>	<u>40</u>	<u> </u>

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

Comments about test: Perfs 548 - 556 Fluid Depression test
313' of water above Perf X, 43 = 135

The bottom of the tested zone is shut in with Float Shoe & Cement at a depth of 548 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: Stirling P. Hambrick EOR
Operator Contact Person or Title
Approved Agent

DO NOT WRITE BELOW THIS LINE

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

REMARKS: Computer Update 9/7/93 FILE WITH PERMIT!
CF



MISSOURI DEPARTMENT OF NATURAL RESOURCES
GEOLOGICAL SURVEY PROGRAM
INJECTION WELL MONITORING REPORT

FORM 576-7

08 10 2007

INSTRUCTIONS RECORD INJECTION RATE AND INJECTION PRESSURE AT LEAST MONTHLY WITH THE RESULTS SUBMITTED ANNUALLY.

COUNTY	PERMIT NUMBER	OPERATOR	WELL NUMBER
	<i>Cass</i>	<i>Town Oil Co.</i>	<i>Walter 21-0</i>
MONTH	INJECTION RATE - bpd/gpm	INJECTION PRESSURE - psig	DATE MEASUREMENT TAKEN
JAN. (01)	<i>10</i>	<i>300</i>	<i>1-28-06</i>
FEB. (02)	<i>10</i>		<i>2-28-06</i>
MARCH (03)	<i>10</i>		<i>3-28-06</i>
APRIL (04)	<i>10</i>		<i>4-28-06</i>
MAY (05)	<i>10</i>		<i>5-28-06</i>
JUNE (06)	<i>10</i>		<i>6-28-06</i>
JULY (07)	<i>10</i>		<i>7-28-06</i>
AUG. (08)	<i>10</i>		<i>8-28-06</i>
SEPT. (09)	<i>10</i>		<i>9-28-06</i>
OCT. (10)	<i>10</i>		<i>10-28-06</i>
NOV. (11)	<i>10</i>		<i>11-28-06</i>
DEC. (12)	<i>10</i>		<i>12-28-06</i>

RECEIVED

AUG 24 2007

Oil & Gas Council

MISSOURI DEPARTMENT OF NATURAL RESOURCES, GEOLOGICAL SURVEY PROGRAM, P.O. BOX 250, ROLLA, MISSOURI 65402, (573) 345-2148
FORM 576-7 (REV. 11-2005)



MISSOURI DEPARTMENT OF NATURAL RESOURCES
 GEOLOGICAL SURVEY PROGRAM
INJECTION WELL MONITORING REPORT

FORM OGC-12

INSTRUCTIONS RECORD INJECTION RATE AND INJECTION PRESSURE AT LEAST MONTHLY WITH THE RESULTS SUBMITTED ANNUALLY.

COUNTY	PERMIT NUMBER	OPERATOR	WELL NUMBER
CASS	20457	TOWN OIL COMPANY	WALTON 21-W
MONTH	INJECTION RATE - bpd/gpm	INJECTION PRESSURE - psig	DATE MEASUREMENT TAKEN
(01) JAN.	10	300	1-31-08
(02) FEB.	10	300	2-28-08
(03) MARCH	10	300	3-31-08
(04) APRIL	10	300	4-30-08
(05) MAY	10	300	5-31-08
(06) JUNE	10	300	6-30-08
(07) JULY	10	300	7-31-08
(08) AUG.	10	300	8-31-08
(09) SEPT.	10	300	9-30-08
(10) OCT.	10	300	10-31-08
(11) NOV.	10	300	11-30-08
(12) DEC.	10	300	12-31-08

RECEIVED

JAN 23 2009

Mo Oil & Gas Council

MO 780-0208 (8-09)

REMIT TWO (2) COPIES TO: GEOLOGICAL SURVEY PROGRAM, P.O. BOX 280, ROLLA MO 65402, (573) 588-2143
 ONE (1) COPY WILL BE RETURNED



MISSOURI DEPARTMENT OF NATURAL RESOURCES
 GEOLOGICAL SURVEY PROGRAM
 INJECTION WELL MONITORING REPORT

INSTRUCTIONS		RECORD INJECTION RATE AND INJECTION PRESSURE AT LEAST MONTHLY WITH THE RESULTS SUBMITTED ANNUALLY.			
COUNTY	CASS	PERMIT NUMBER	OPERATOR	WELL NUMBER	
		20457	TOWN OIL COMPANY	WALTON 21-W	
MONTH	INJECTION RATE - bpd/gpm	INJECTION PRESSURE - psig	DATE MEASUREMENT TAKEN	REMARKS	
(01) JAN.	10	300	1-31-09	<p style="text-align: center;">RECEIVED</p> <p style="text-align: center;">JAN 25 2010</p> <p style="text-align: center;">Mo Oil & Gas Council</p>	
(02) FEB.	10	300	2-28-09		
(03) MARCH	10	300	3-31-09		
(04) APRIL	10	300	4-30-09		
(05) MAY	10	300	5-31-09		
(06) JUNE	10	300	6-30-09		
(07) JULY	10	300	7-31-09		
(08) AUG.	10	300	8-31-09		
(09) SEPT.	10	300	9-30-09		
(10) OCT.	10	300	10-31-09		
(11) NOV.	10	300	11-30-09		
(12) DEC.	10	300	12-31-09		

MO 780-0208 (8-06)

REMIT TWO (2) COPIES TO: GEOLOGICAL SURVEY PROGRAM, P.O. BOX 250, ROLLA MO 65402. (573) 388-2143
 ONE (1) COPY WILL BE RETURNED

RECEIVED
FORM OGC-7

MAR 25 2013



STATE OF MISSOURI
MISSOURI DEPARTMENT OF NATURAL RESOURCES
GEOLOGICAL SURVEY PROGRAM
PLUGGING RECORD

OWNER'S NAME Kansas Resource Exploration & Development, LLC		ADDRESS 9393 W 110th Street, Ste. 500	
NAME OF LEASE Walton		WELL NUMBER 21W	PERMIT NUMBER (OGC-3 OR OGC-31 NUMBER) 037-20457
LOCATION OF WELL SEC TWN RNG OR BLOCK AND SURVEY Sec. 4 Township 46 North Range 33 <input type="checkbox"/> East <input checked="" type="checkbox"/> West		LATITUDE N38 50' 40.33"	LONGITUDE COUNTY W94 34' 18.85" Cass
APPLICATION TO DRILL THIS WELL WAS FILED IN NAME OF: Town Oil Company	HAS THIS WELL EVER PRODUCED OIL OR GAS? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	CHARACTER OF WELL AT COMPLETION (INITIAL PRODUCTION) OIL (BBL/DAY) 1	GAS (MCF/DAY) 0 DRY? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
DATE OF ABANDONMENT 03/01/2013	TOTAL DEPTH 620'	AMOUNT WELL PRODUCING PRIOR TO ABANDONMENT OIL (BBL/DAY) Injection	GAS (MCF/DAY) Injection WATER (BBL/DAY) Injection

Name of each formation containing oil or gas. Indicate which formation open to well bore at time of abandonment	Fluid content of each formation	Depth interval of each formation	Size, kind, and depth of plugs used, giving amount of cement.
Squirrel Sandstone	Oil and Water	534-594	Squeezed 71 sks of Portland from surface to 603', topped off the well with 5 additional sks of Portland, shut in with 2" valve

SIZE PIPE	PUT IN WELL (FT)	PULLED OUT (FT)	LEFT IN WELL (FT)	GIVE DEPTH AND METHOD OF PARTING CASING (SHOT, RIPPED, ETC.)	PACKERS AND SHOES
2 7/8"	603'	0	603'	N/A	None

WAS WELL FILLED WITH MUD-LADEN FLUID? Yes No

INDICATE DEEPEST FORMATION CONTAINING FRESH WATER
None

NAME AND ADDRESSES OF ADJACENT LEASE OPERATORS OR OWNERS OF THE SURFACE

NAME	ADDRESS	DIRECTION FROM THIS WELL
Maclaughlin, J.R. and A	1103 W47th, Apt B Kansas City, MO 64112	West
Beary, Helen	28 Briar Oaks Ln Reeds Springs, Mo 65737	East
Michael Effertz Farms LLC	16401 HOLMES RD, BELTON, MO 64012	South
Colt Energy, Rhoden Lease	4330 Shawnee Mssn Pky Fairway ks 66205	North

METHOD OF DISPOSAL OF MUD PIT CONTENTS
There was no pit used in this process, cement was squeezed directly down the well

NOTE FILE THIS FORM IN DUPLICATE WITH: (USE REVERSE SIDE FOR ADDITIONAL DETAIL)

CERTIFICATE I, the undersigned, state that I am the Chief Operating Officer of the Kansas Resource Exploration and Development, LLC (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 JK DATE **03/03/2013**