

"DESIGN APPROVAL"
 KANSAS CORPORATION COMMISSION
 OIL & GAS CONSERVATION DIVISION

Form U-1
 July 2014

Form must be Typed
 Form must be Signed
 All blanks must be Filled

APPLICATION FOR INJECTION WELL

Disposal
 Enhanced Recovery: Repressuring
 Waterflood
 Tertiary
 Date: March 4, 2015
 Operator License Number: 9855 Exp. 08/30/15
 Operator: Grand Mesa Operating Company
 Address: 1700 N. Waterfront Pkwy, Bldg 600
Wichita, KS 67206-5514

15-cons-815-cuic
 Permit Number: E-32,170 3-BM
 API Number: 15-045-22233-00-00

Well Location
 NE - NE - NE - NW Sec. 23 Twp. 14 S. R. 20 E W
170 feet from N / S Line of Section
2470 feet from E / W Line of Section

GPS Location: Lat: _____ Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84
 Lease Description: NW/4, with exceptions described on
attached Exhibit "A" page

Lease Name: Vesecky Well Number: 1-91
 Field Name: Forest City Coal Gas Area
 County: Douglas

Deepest Usable Water
 Formation: Surface Sands
 Depth to Bottom of Formation: 46'

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 Contact Person: Michael J. Reilly
 Phone: 316-265-3000
 Email: _____

Check One: Old Well Being Converted Newly Drilled Well Well to be Drilled
 Surface Elevation: 917 feet Well Total Depth: 782 feet Plug Back Depth: 767 feet
 Datum of top of injection formation: +204 feet (reference mean sea level)

Injection Formation Description:

Name	top / bottom	perf / open hole	depth
<u>Squirrel Sand</u>	<u>713 / 721</u>	<u>perf. 2 shots/ft</u>	<u>at 713 to 721 feet</u>
_____	_____ / _____	_____	_____ at _____ to _____ feet

List of Wells/Facilities Supplying Produced Saltwater or Other Fluids Approved by the Conservation Division:
 (attach additional sheets if necessary)

Lease Operator	Lease/Facility Name	Lease/Facility Description	Well ID & Spot Location
<u>1. See attached page</u>	_____	_____	_____
<u>2.</u>	_____	_____	_____
<u>3.</u>	_____	_____	_____

Producing Formation	Strata Depth	Total Dissolved Solids (if available)
<u>1. See attached page</u>	_____ to _____ feet	_____ mg/l
<u>2.</u>	_____ to _____ feet	_____ mg/l
<u>3.</u>	_____ to _____ feet	_____ mg/l

Maximum Requested Liquid Injection Rate: 100 bbls / day, or
 Maximum Requested Gas Injection Rate: zero scf / day. Type of Gas: _____
 Maximum Requested Injection Pressure: 525 psig

Mail to: KCC - Conservation Division, 266 N Main St, Ste 220, Wichita, Kansas 67202-1513

Paid \$350.00
CK'S 032936 +
032937
3/5/15

GRAND MESA OPERATING COMPANY

Vesecky Enhanced Recovery Project- Water Sources

Douglas County, KS

Producing wells

Zones and perforations

Comments

Vesecky #1-3
206' FNL & 560 FWL
Sec. 27-13S-31W

Squirrel sand, to be determined To be drilled soon

Vesecky #1-4
170' FNL & 982' FWL
Sec. 27-13S-31W

Squirrel sand 679'-692'

Vesecky #1-5
165' FNL & 1340'FWL
Sec. 27-13S-31W

Squirrel sand 688'-697'

Vesecky #1-6
224' FNL & 1665' FWL
Sec. 27-13S-31W

Squirrel sand 698'-705'

Vesecky #2-3
465' FNL & 705' FWL
Sec. 27-13S-31W

Squirrel sand 675'-684'

Vesecky #2-7
310' FNL & 1976' FWL
Sec. 27-13S-31W

Squirrel sand 704'-709'

Vesecky #2-8
313' FNL & 2321' FWL
Sec. 27-13S-31W

Squirrel sand 712-716'

Vesecky #3-3
833' FNL & 648' FWL
Sec. 27-13S-31W

Squirrel sand 677'-688'

Vesecky #3-5
825' FNL & 1340' FWL
Sec. 27-13S-31W

Squirrel sand 686'-697'

Vesecky #4-5R
1080'FNL & 1327' FWL
Sec. 27-13S-31W

Squirrel sand 691'-699'

Water Supply Wells

Vesecky #3-9S
800' FNL & 2270' FWL
Sec. 27-13S-31W

Squirrel sand 703'-709'
Dennis lime 363'-377'

Open
To be opened

Vesecky #8-3S
2465' FNL & 835' FWL
Sec. 27-13S-31W

Squirrel sand 678'-689'
Dennis lime 343'-359'

Open
Open

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Well Completion

Type Tubing & Packer Packerless Tubingless

	Conductor	Surface	Intermediate	Production	Tubing
Size		7" OD		2.875" OD	
Setting Depth		47'		770'	
Amount of Cement		10sxs		127sxs	
Top of Cement		Surface		Surface	
Bottom of Cement		47'		782'	

If Alternate II cementing, complete the following:

Perforations / D.V. Tool at _____ feet, cemented to _____ feet with _____ sx

Tubing: Type _____ Grade _____

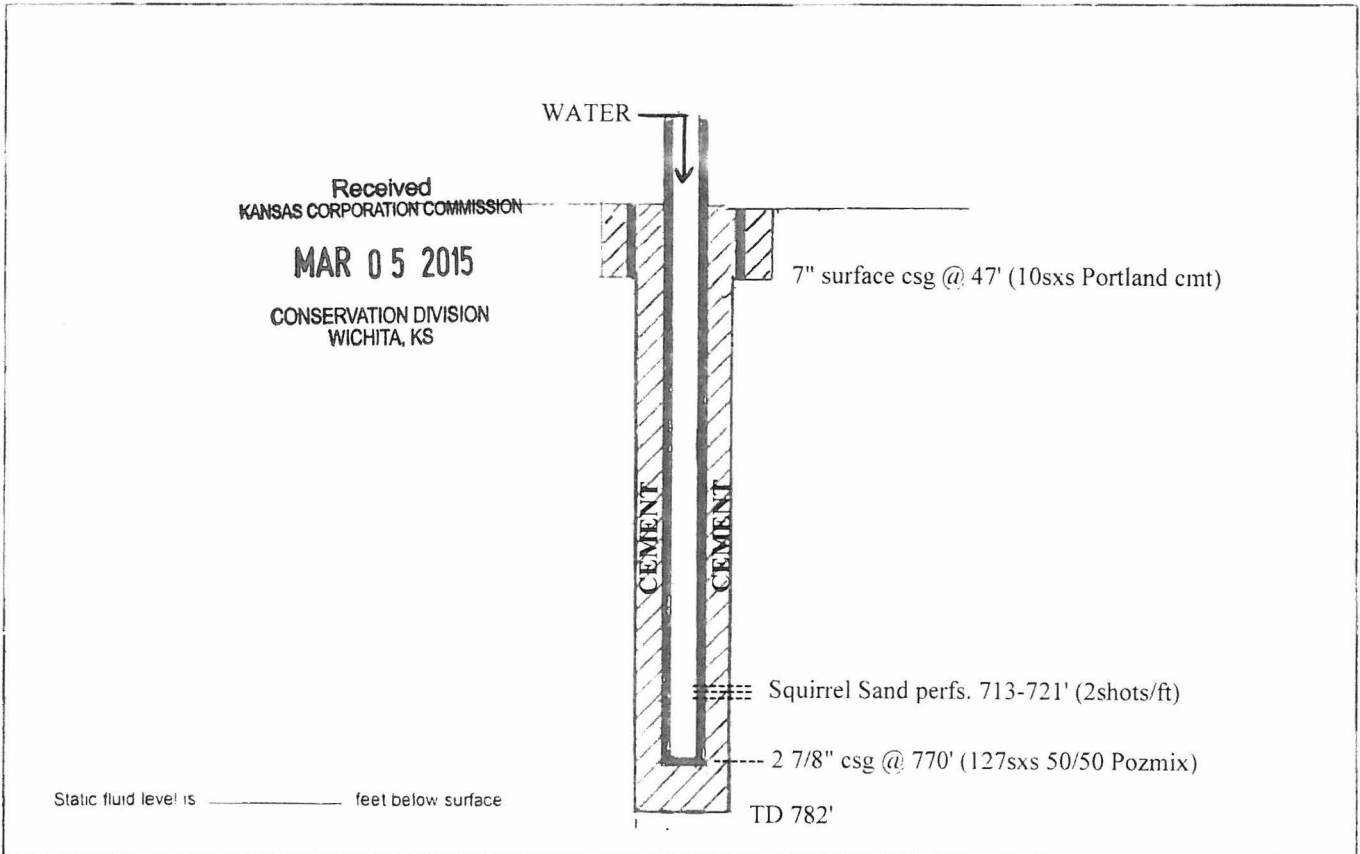
Packer: Type _____ Depth _____

Annulus Corrosion Inhibitor: Type _____ Concentration _____

List Logs Enclosed: Gamma Ray/Neutron/CCL

Well Sketch

(To sketch installation, darken the appropriate lines, indicate cement, and show depths.)



Offset Operators, Unleased Mineral Owners and Landowners acreage
(Attach additional sheets if necessary)

Name

Legal Description of Leasehold

SEE ATTACHED - EXHIBIT "A"

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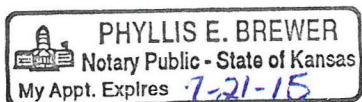
MAR 05 2015

CONSERVATION DIVISION
WICHITA, KS

I hereby certify that the statements made herein are true and correct to the best of my knowledge and belief.

Applicant or Duly Authorized Agent, **Michael J. Reilly, President** (982)

Subscribed and sworn before me this 4th day of March 2015



Notary Public, **Phyllis E. Brewer**

My Commission Expires: **July 21, 2015**

Instructions:

1. Fully complete application, including page 4 (plat map) showing subject well and all known oil, gas and input wells, including wells being drilled, inactive wells, or dry holes, within one-half mile. Show lease names and operators or unleased mineral rights owners of all lands within one-half mile. Show well numbers and elevations of producing formation tops.
2. Attach some type of log (drillers log, electric log, etc.).
3. Attach some type of verification of cementing for surface casing, longstring, D.V. tool, perforations, etc. (Cement ticket and job log bond log, etc.)
4. Attach Affidavit of Notice.
5. Fill in schematic drawing of subsurface facilities including: size, setting depth, amount of cement, measured or calculated tops of cement for each of surface, intermediate (if any) and production casing; size and setting depth of tubing and packer, geological zone of injection showing top and bottom of injection interval.
6. The original and one copy of the application and all attachments shall be mailed to the State Corporation Commission, Conservation Division
7. Deliver or mail one (1) copy of the application to the landowner on whose land the injection well is located and to each operator or lessee of record and each unleased mineral rights owner within one-half mile of the applicant well.
8. Approval of this application, if granted is valid only as long as there are no substantial changes in operation set forth in the application. A substantial change requires the approval of a new application. *No injection well may be used without prior written authorization.*
9. All application fees must accompany the application.

EXHIBIT "A"

GMOC/Floyd R. Schmidt:

Township 14 South, Range 20 East

Section 15: the South Half of the Southeast Quarter (S/2 SE/4) less the East 12 thereof. Section 22: A tract of land beginning at a point two (2) rods North of the center of the Northeast Quarter of Section 22, 14S-20E and 272 feet West thereof for a point of beginning; thence North 214 feet to a stone; thence North 42 degrees, 5 minutes East 405 $\frac{3}{4}$ feet to a stone; thence due North to a point forty (40) rods South of the North line of said Northeast Quarter of said section; thence due West two (2) rods, thence due North forty (40) rods to the North line of said Northeast Quarter of said section; thence West seventy-eight (78) rods to the Northwest corner of said Northeast Quarter of said section; thence South seventy-eight (78) rods; thence East 1108 feet more or less to the place of beginning.

Section 22: The North Half of the Northeast Quarter of the Northeast Quarter (N/2 NE/4 NE/4) LESS a tract beginning at the Northeast corner of the Northeast Quarter of said section; thence South Forty (40) rods, thence West Two (2) rods; thence North Forty (40) rods; thence East Two (2) rods to the place of beginning.

GMOC/John F. Vesecky:

Township 14 South, Range 20 East

Section 23: NW/4, except the W/2 SW/4 NW/4, except commencing at the Southeast corner of said NW/4, thence West 415 feet, thence North 525 feet, thence East 415 feet, thence South 525 feet to the point of beginning.

GMOC/W. Shawn Smith:

Township 14 South, Range 20 East

Section 22: The Southeast Quarter of the Northeast Quarter (SE/4 NE/4), and

The North Half of the West Half of the Southeast Quarter (N/2 W/2 SE/4), and

The Southwest Quarter of the Northeast Quarter (SW/4 NE/4), and

One acre off the South side of the Northwest Quarter of the Northeast Quarter, and

The South Half of the Northeast Quarter of the Northeast Quarter (S/2 NE/4 NE/4), and

A tract of land beginning at a point 2 rods North of the center of the Northeast Quarter of said Section 22, thence West 272 feet to a stone, thence North 214 feet to a stone, thence North 42° 5' East 405-3/4 feet to a stone, thence South 515 feet to the place of beginning, containing 2.27 acres.

Section 23: The West One-Half of the Southwest Quarter of the Northwest Quarter (W/2 SW/4 NW/4), also described as the South One-Half of Lot 2

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GMOC/Lawrence I. Craig:

Township 14 South, Range 20 East

Section 23: The Southwest Quarter (SW/4) and the North 80 acres of the Southeast Quarter (SE/4), LESS and EXCEPT at tract described as commencing at the Northeast corner of said Southwest Quarter thence South along East line of said Southwest Quarter a distance of 630 feet to the point of beginning; thence continuing South along the East line of said Southwest Quarter a distance of 330 feet; thence West a distance of 660 feet; thence North 330 feet; thence East a distance of 660 feet to the point of beginning; containing five acres, more or less.

GMOC/Barbara J. Coggburn:

Township 14 South, Range 20 East

The Northwest Quarter of the Northeast Quarter (NW/4 NE/4) of Section Twenty-three (23), Township Fourteen (14), Range Twenty (20), Douglas County, Kansas; LESS AND EXCEPT a tract beginning at the Northeast corner of the Northwest Quarter of the Northeast Quarter (NW/4 NE/4) of Section Twenty-three (23), Township Fourteen (14), Range Twenty (20), Douglas County, Kansas thence West five hundred seventeen (517) feet, thence South eight hundred forty-two (842) feet, thence East five hundred seventeen (517) feet, thence North eight hundred forty-two (842) feet to the beginning.

Colt Energy Inc:

Township 14 South, Range 20 East

S/2 Sec. 14

Annika B. Magalski:

Township 14 South, Range 20 East

Beginning at the northeast corner of the NW/4 NE/4 of 23-14S-20E thence west 517 feet, south 842, east 517 feet, north 842 feet to point of beginning.

Billy D. McNish:

Township 14 South, Range 20 East

Commencing at the southeast corner of the NW/4 of Section 23-14S-20E, thence west 415 feet, thence north 525 feet, thence east 415 feet, thence south 525 feet to the point of beginning.

James E. Touslee:

Township 14 South, Range 20 East

SW/4 NE/4 23-14S-20E

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EXHIBIT "A"

David Wilson:

Township 14 South, Range 20 East

Beginning at the northwest corner of the E/2 NE/4 of Section 23-14S-20E for point of beginning, thence east 804.1 feet, south 891.6 feet, west 352.2 feet, south 95.8 feet, west 385.4 feet, north 950.7 feet to the point of beginning.

Beginning at the southeast corner of the NE/4 of Section 23-14s-20E for point of beginning, west 1327.8 feet, north 1719.2 feet, east 385.4 feet, north 95.9 feet, east 353.2 feet, south 490.7 feet, east 624.8 feet, south 1258.5 feet to the point of beginning.

John Shannon:

Township 14 South, Range 20 East

Beginning at the northeast corner of the NE/4 of Section 23-14S-20E, thence south 1406.9 feet, west 624.8 feet, north 1382.3 feet, east 519.7 feet to point of beginning.

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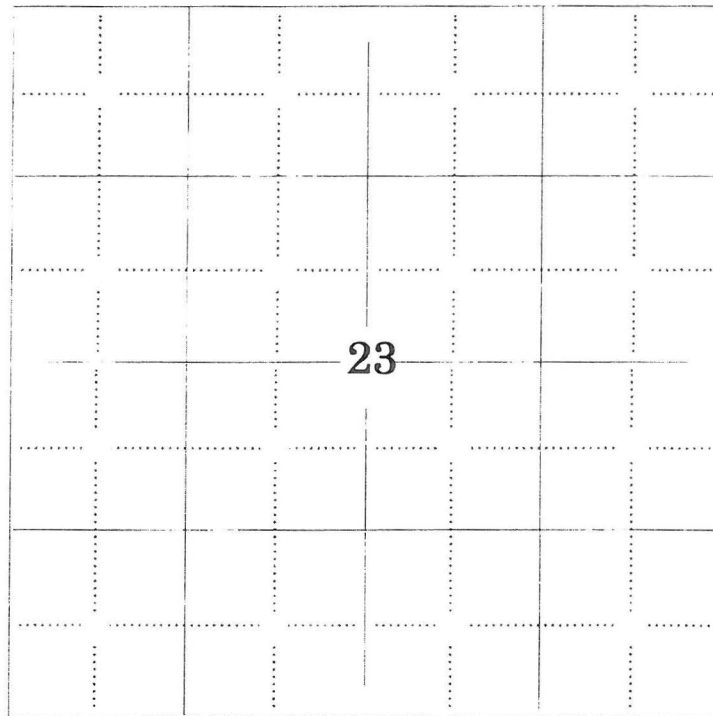
Plat and Certificate of Injection Well Location and Surrounding Acreages

Operator: Grand Mesa Operating Company Location of Well NE/NE/NE/NW Sec. 23-14S-20E
 Lease: Vesecky 170 feet from N / S Line of Section
 Well Number: 1-91 2470 feet from E / W Line of Section
 County: Douglas Sec. 23 Twp. 14 S. R. 20 East West

Plat

Show the following information: applicant injection well, all producing wells, inactive wells, plugged wells, and other wells within a one-half mile radius, all lease boundaries, lease operators, unleased mineral rights owners, well numbers, and producing wells producing formation tops

SEE
ATTACHED MAP



SEE
ATTACHED MAP

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- applicant well
- producing well
- plugged injection well
- D & A well
- other injection well
- temporary abandoned well
- plugged producer
- water supply well

The undersigned hereby certifies that he / she is a duly authorized agent for Grand Mesa Operating Company, and that all of the information shown herein is true, complete and correct to the best of his / her knowledge

Applicant or Duly Authorized Agent, Michael J. Reilly, President 982

Subscribed and sworn before me this 4th day of March 2015

PHYLIS E. BREWER
 Notary Public - State of Kansas
 My Appt. Expires 7-21-15

Notary Public, Phyllis E. Brewer

My Commission Expires: July 21, 2015



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Grand Mesa Operating Company		
Vesecky 1-9I		
1-9I Injection Application		
Author: <name>	Scale: 1 Inch = 1218 Feet <scale>	Date: 24 February, 2015

Affidavit of Notice Served

Re: Application for: Grand Mesa Operating Company - Enhanced Recovery Well

Well Name Vesecky 1-9I Legal Location NE/NE/NE/NW Sec. 23-14S-20E

The undersigned hereby certifies that he she is a duly authorized agent for the applicant, and that on the day 4th of March, 2015, a true and correct copy of the application referenced above was delivered or mailed to the following parties.

Note: A copy of this affidavit must be served as a part of the application.

Name	Address (Attach additional sheets if necessary)
Floyd and Sue Ann Schmidt	1773 N. 600 Road, Baldwin City, KS 66006
John and Sharon Vesecky	1814 N. 600 Road, Baldwin City, KS 66006
W. Shawn and Lisa Smith	558 E. 1750th Road, Baldwin City, KS 66006
Lawrence I. Craig	813 E. 1750th Road, Baldwin City, KS 66006
Barbara J. Cogburn	584 E. 1850th Road, Baldwin City, KS 66006
Colt Energy, Inc.	P O Box 388, Iola, KS 66749
Annika B. Magalski	1873 N. 600 Road, Baldwin City, KS 66006
Billy D. McNish	P O Box 3463, Lawrence, KS 66046
James Touslee	562 E. 1850th Road, Baldwin City, KS 66006
David A. Wilson	1885 N. 600 Road, Baldwin City, KS 66006
John and Krista Shannon	1897 N. 600 Road, Baldwin City, KS 66006

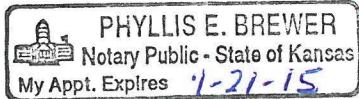
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I further attest that notice of the filing of this application was published in the Lawrence Journal World, the official county publication of Douglas county. A copy of the affidavit of this publication is attached

Signed this 4th day of March, 2015

[Signature]
Applicant or Duly Authorized Agent, Michael J. Reilly, President (982)

Subscribed and sworn to before me this 4th day of March, 2015


 PHYLLIS E. BREWER
 Notary Public - State of Kansas
 My Appt. Expires 7-21-15

[Signature]
Notary Public, Phyllis E. Brewer

My Commission Expires: July 21, 2015

Protests may be filed by any party having a valid interest in the application. Petitions for protests shall be in writing and shall clearly identify the name and address of the protestant and the title of the application. The petition shall include a clear and concise statement of the direct and substantial interest of the protestant in the proceedings, including the manner in which the protestant may be affected, and the nature, extent, character and grounds of the protest. Protestants shall serve the protest upon the applicant by mail or personal service at the same time or before the protestant files the protest with the Conservation Division. Protests must be filed within 30 days of the publication notice of the application.