

APPLICATION TO AMEND INJECTION PERMIT

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

18-CONS-3196-CUIC

- Salt Water Disposal
- Repressuring
- Other Enhanced Recovery

Permit Number: E-31965

SW 1/4 Sec. 25 Twp. 13 S. R. 20  East  West

330 Feet from  North /  South Section Line

3830 Feet from  East /  West Section Line

Lease: Thrasher

Well #: I-5

Douglas County, Kansas

Originally granted to: Unknown

(All information above this line taken from the original permit)

Current Operator: License # 35503 Contact Person: Ron Inge

Company Name: Midstates Energy Operating, LLC  
*(As listed on operator license)*

Address: 5571 Halifax Ave. Ft Myers, FL 33912

Phone: 239-454-4999

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WICHITA, KS

It is requested that the (caption) (paragraph # \_\_\_\_\_) of the original permit be amended as follows:

- A. Change the authorized injection pressure to: \_\_\_\_\_ psi maximum from the current permitted pressure of \_\_\_\_\_ psi.
- B. Change the authorized injection rate to: \_\_\_\_\_ bbl/day maximum from the current rate of \_\_\_\_\_ bbl/day.
- C. Add ( \_\_\_\_\_ ) or delete ( \_\_\_\_\_ ) the following leases/facilities supplying produced saltwater or other fluids approved by the Conservation Division.

Company Name	Lease Name	Lease Description
1. _____	_____	_____
2. _____	_____	_____
3. _____	_____	_____
4. _____	_____	_____
5. _____	_____	_____
6. _____	_____	_____
7. _____	_____	_____
8. _____	_____	_____

(Attach additional sheets if necessary)

- D. Change the permit by: ( XXXX ) add the following repressuring wells: Thrasher #10 ;  
( \_\_\_\_\_ ) change the injection formation; or ( \_\_\_\_\_ ) change well construction; or ( \_\_\_\_\_ ) other:

Offset Operators, Unleased Mineral Owners and Landowners

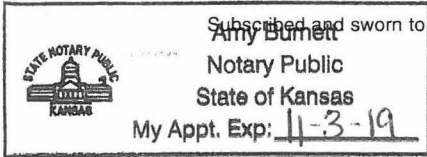
(Attach additional sheets if necessary)

Name See Attached Legal Description of Leasehold \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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

[Signature]  
Applicant or Duly Authorized Agent



Subscribed and sworn to before me this 10 day of October, 2017.

Amy Burnett  
Notary Public  
State of Kansas

My Appt. Exp: 11-3-19

[Signature]  
Notary Public

My Commission Expires: 11-3-19

**Instructions for Form U-8**

*Application to Amend Injection Permit*

1. All requested changes in injection authority must be submitted with this form.
2. Complete the top portion, (side 1) of the form with the information requested for the pilot well, as shown on the original order or permit.
3. Complete the current operator information, listing the license number, current name and address, contact person and phone number.
4. Fill in the type of change or amendment desired. Leave blank any sections not applicable.
5. For amendments adding additional input wells to enhanced recovery permits, the following information must be submitted in addition to pages 1 and 2 of form U-8:
  - a) pages 1 and 2 of form U-1
  - b) an updated map, showing the new well(s) and all existing wells; page 4 of the form U-1.
  - c) a complete log of the well(s) to be added;
  - d) verification of cement (cement tickets, bond log, etc.)
6. Attach Affidavit of Notice Served, page 5 of form U-1.
7. Attach Affidavit of Publication from the official county newspaper.
8. This form must be signed by the applicant or an authorized agent. A notarization of the signature is required.
9. All applicable fees must accompany this application.

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION
APPLICATION FOR INJECTION WELL

Disposal [ ]
Enhanced Recovery: [ ] Repressuring
[ ] Waterflood
[ ] Tertiary
Date: October 1, 2017
Operator License Number: 35503
Operator: Midstates Energy Operating, LLC
Address: 5571 Halifax Ave.
Ft. Meyers, FL 33912
Contact Person: Jon Inge
Phone: 239-454-4999
Email: NA

Permit Number: E-31,965
API Number: 15-045-22254-00-00

Well Location
W2 - SE - SE - SW Sec. 25 Twp. 13 S. R. 20 [ ] E [ ] W
330 feet from [ ] N / [ ] S Line of Section
3170 feet from [ ] E / [ ] W Line of Section

GPS Location: Lat: , Long:
Datum: [ ] NAD27 [ ] NAD83 [ ] WGS84 /
Lease Description: W2 SE SE SW/4 Sec.25 Twp.13S R.20E

Lease Name: Thrasher Well Number: 10
Field Name: Unknown
County: Douglas

Deepest Usable Water
Formation: Squirrel
Depth to Bottom of Formation: Squirrel

Check One: [ ] Old Well Being Converted [ ] Newly Drilled Well [ ] Well to be Drilled
Surface Elevation: feet Well Total Depth: 830 feet Plug Back Depth: feet
Datum of top of injection formation: feet (reference mean sea level)

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Injection Formation Description:
Table with columns: Name, top / bottom, perf / open hole, depth.
Row 1: Squirrel, 720 / 730, per, at 720 to 730 feet

List of Wells/Facilities Supplying Produced Saltwater or Other Fluids Approved by the Conservation Division:
Table with columns: Lease Operator, Lease/Facility Name, Lease/Facility Description, Well ID & Spot Location.
Row 1: Midstates Energy Operating LLC, Thrasher Lease, Sec.25 Twp.13S R.20E, See Attached

Table with columns: Producing Formation, Strata Depth, Total Dissolved Solids (if available).
Row 1: Squirrel, to feet, mg/l

Maximum Requested Liquid Injection Rate: 100 bbls / day; or
Maximum Requested Gas Injection Rate: scf / day. Type of Gas:
Maximum Requested Injection Pressure: 400 psig

**Well Completion**

Type:  Tubing & Packer  Packerless  Tubingless

	Conductor	Surface	Intermediate	Production	Tubing
Size		7		2 7/8	
Setting Depth		44		810	
Amount of Cement		14		94	
Top of Cement		0		0	
Bottom of Cement		44		810	

If Alternate II cementing, complete the following:

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

Tubing: Type \_\_\_\_\_ Grade \_\_\_\_\_

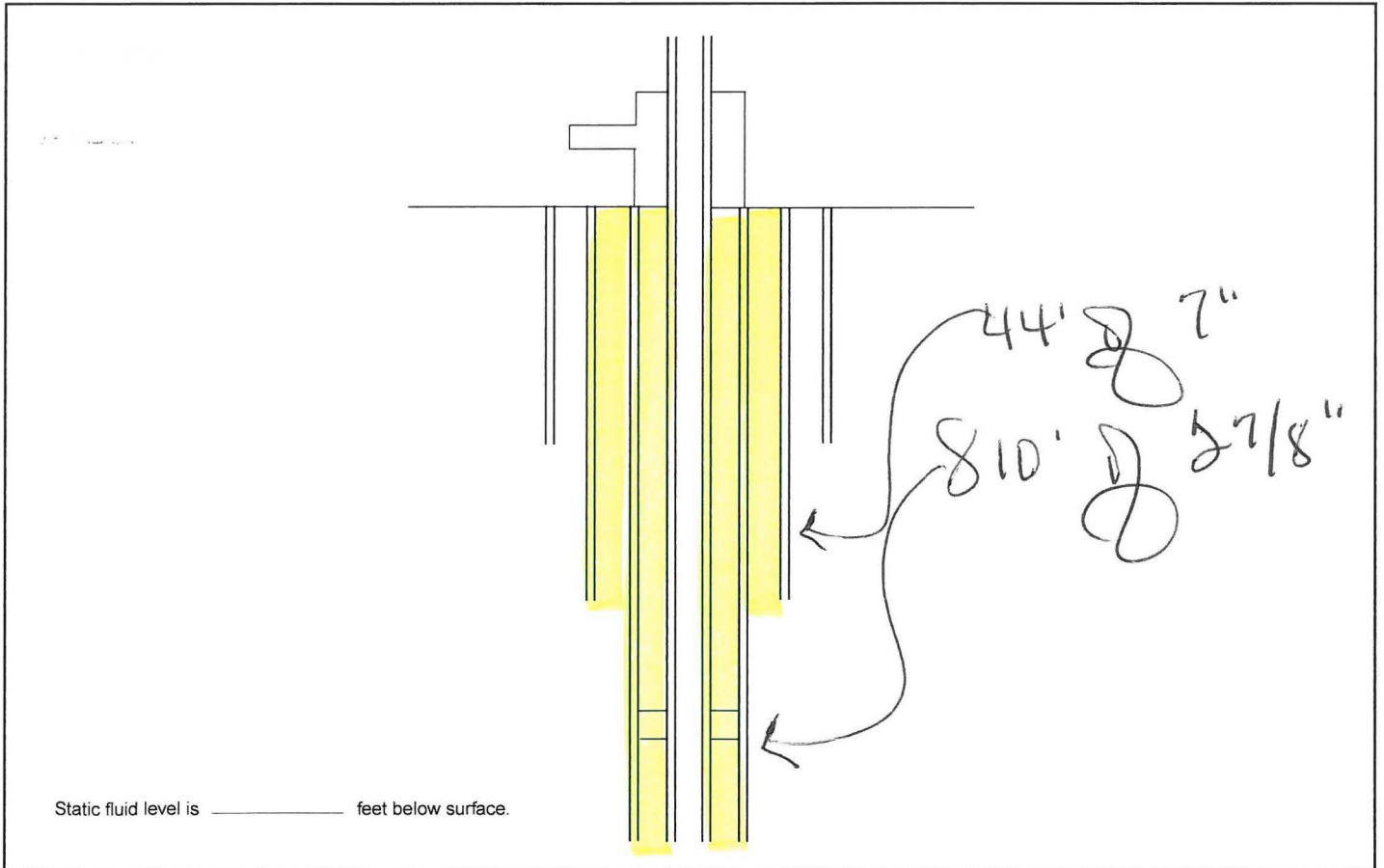
Packer: Type \_\_\_\_\_ Depth \_\_\_\_\_

Annulus Corrosion Inhibitor: Type \_\_\_\_\_ Concentration \_\_\_\_\_

List Logs Enclosed: \_\_\_\_\_

**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)

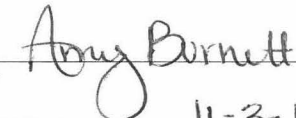
Name:	Legal Description of Leasehold:
See Attached	

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

Subscribed and sworn before me this 10 day of October, 2017


**Amy Burnett**  
 Notary Public  
 State of Kansas  
 My Appt. Exp: 11-3-19

  
 Notary Public

My Commission Expires: 11-3-19

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**Instructions:**

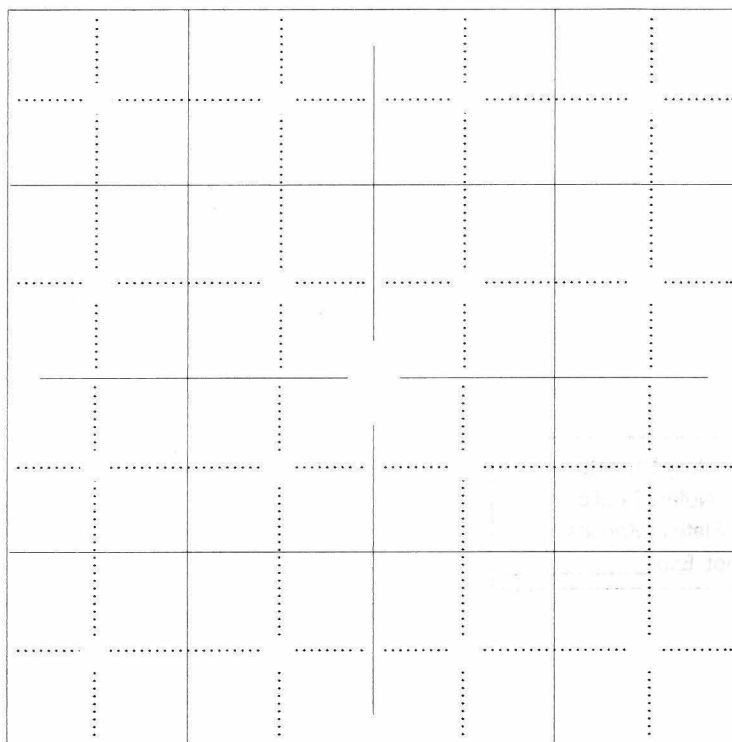
1. Fully complete application, including page 4 (*plat map*) showing subject well and all known oil, gas and input wells, including wells being drilled, inactive wells, or dry holes, within one-half mile. Show lease names and operators or unleased mineral rights owners of all lands within one-half mile. 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.

**Plat and Certificate of Injection Well Location and Surrounding Acreages**

Operator: Midstates Energy Operating, LLC Location of Well: W2 SE SE SW/4 of the Sec.25 Twp.13S R.20E  
 Lease: Thrasher 330 feet from  N /  S Line of Section  
 Well Number: Thrasher 10 3170 feet from  E /  W Line of Section  
 County: Douglas Sec. 25 Twp. 13 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  
Maps



- 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 Midstates Energy Op. and that all of the information shown herein is true, complete and correct to the best of his / her knowledge.

Jane Drake  
 Applicant or Duly Authorized Agent

Subscribed and sworn before me this 19 day of October, 2017

Amy Burnett  
 Notary Public  
 State of Kansas  
 My Appt. Exp: 11-3-19

Amy Burnett  
 Notary Public  
 My Commission Expires: 11-3-19

**Affidavit of Notice Served**

Re: Application for: Midstates Energy Operating, LLC  
Well Name: Thrasher 10 Legal Location: W2 SE SE SW/4 of the Sec.25 Twp.13S R.20E

The undersigned hereby certifies that he / she is a duly authorized agent for the applicant, and that on the day 10 of October, 2017, 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.

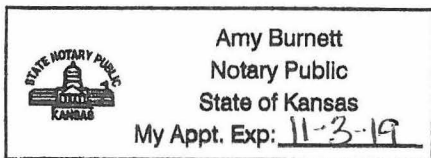
Name \_\_\_\_\_ Address (Attach additional sheets if necessary) \_\_\_\_\_  
**See Attached**

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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 10 day of October, 2017  
[Signature]  
Applicant or Duly Authorized Agent

Subscribed and sworn to before me this 10 day of October, 2017

  
Amy Burnett  
Notary Public  
State of Kansas  
My Appt. Exp: 11-3-19

[Signature]  
Notary Public  
My Commission Expires: 11-3-19

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.

Select location of well to view details.

Click on column heading to sort.

10 records returned.

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<b>T-R-S</b>	<u>Original operator</u> (current operator)	<u>Well</u>	<u>API</u>	<u>Elevation</u> <u>Ascend.</u> <u>Desc.</u>	<u>Total Depth</u> <u>Ascend.</u> <u>Desc.</u>	<u>Field</u>	<u>Spud Date</u> <u>Ascend.</u> <u>Desc.</u>	<u>Plug Date</u> <u>Ascend.</u> <u>Desc.</u>	<u>Status</u> ?
<u>T13S R20E, Sec. 25, SW SW SE SW</u>	Magnum Exploration Kansas, LLC (Magnum Exploration Kansas, LLC)	Thrasher 1	15-045-22212	947 GL	850	UNNAMED	05-MAY-2014		OIL ON LIST
<u>T13S R20E, Sec. 25, W2 SE SE SW</u>	Magnum Exploration Kansas, LLC (Magnum Exploration Kansas, LLC)	Thrasher 10	15-045-22254	920 GL		UNNAMED			EOR ON LIST
<u>T13S R20E, Sec. 25, SE SE SW SW</u>	Magnum Exploration Kansas, LLC (Magnum Exploration Kansas, LLC)	Thrasher 2	15-045-22213	927 GL	845	UNNAMED	02-MAY-2014		OIL ON LIST
<u>T13S R20E, Sec. 25, NE SE SW SW</u>	Magnum Exploration Kansas, LLC (Magnum Exploration Kansas, LLC)	Thrasher 3	15-045-22214	909 GL	805	UNNAMED	07-MAY-2014		OIL ON LIST
<u>T13S R20E, Sec. 25, NW SW SE SW</u>	Magnum Exploration Kansas, LLC (Magnum Exploration Kansas, LLC)	Thrasher 4	15-045-22215	915 GL	822	UNNAMED	01-MAY-2014		OIL ON LIST
<u>T13S R20E, Sec. 25, SE SW SE SW</u>	Magnum Exploration Kansas, LLC (Magnum Exploration Kansas, LLC)	Thrasher 6	15-045-22250	947 GL		UNNAMED			OIL ON LIST
<u>T13S R20E, Sec. 25, NE SW SE SW</u>	Magnum Exploration Kansas, LLC (Magnum Exploration Kansas, LLC)	Thrasher 7	15-045-22251	913 GL		UNNAMED			OIL ON LIST



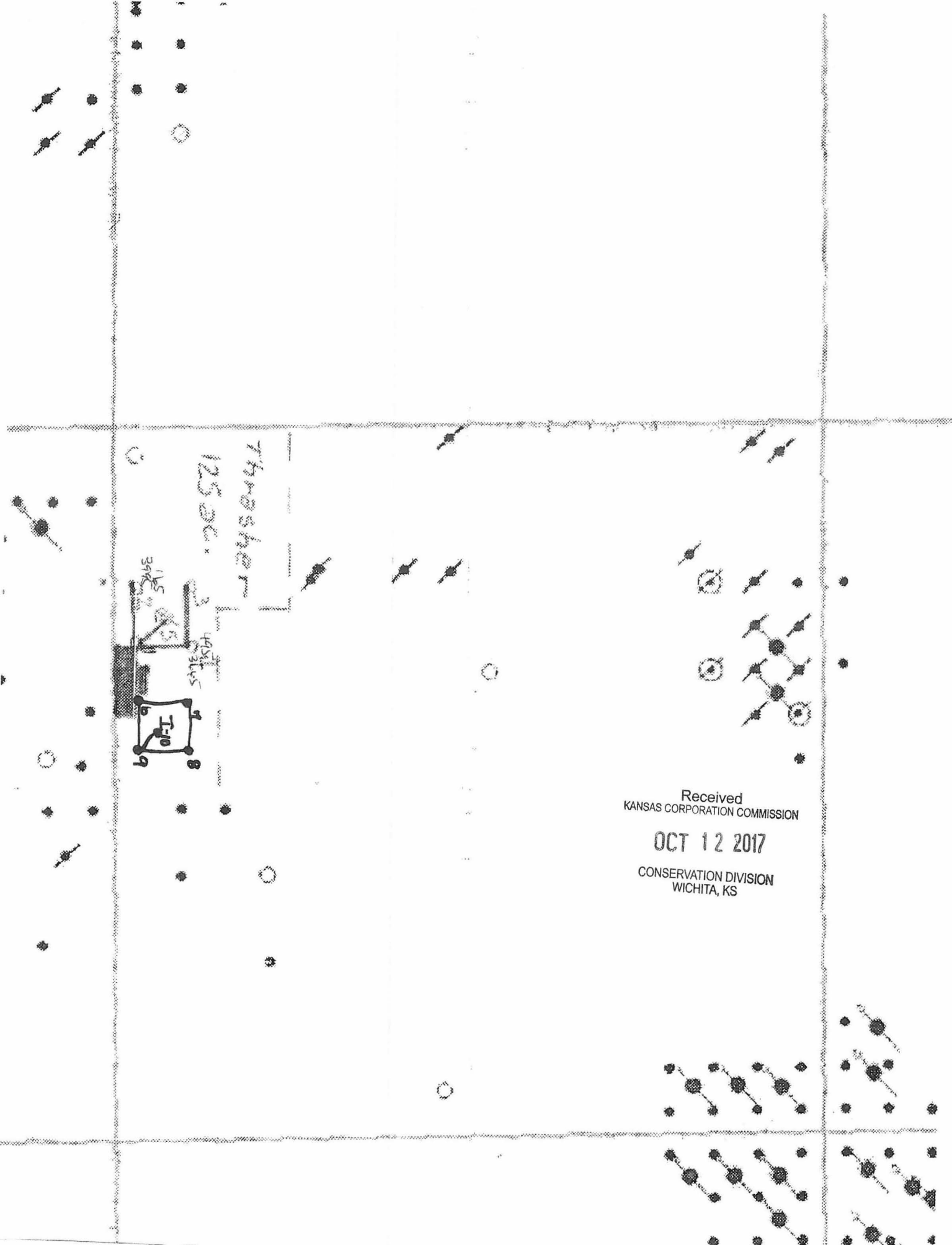
<u>T13S R20E, Sec. 25, NW SE SE SW</u>	Magnum Exploration Kansas, LLC (Magnum Exploration Kansas, LLC)	Thrasher 8	15-045-22252	906 GL		UNNAMED			OIL ON LIST
<u>T13S R20E, Sec. 25, SW SE SE SW</u>	Magnum Exploration Kansas, LLC (Magnum Exploration Kansas, LLC)	Thrasher 9	15-045-22253	924 GL		UNNAMED			OIL ON LIST
<u>T13S R20E, Sec. 25, W2 SW SE SW</u>	Magnum Exploration Kansas, LLC (Magnum Exploration Kansas, LLC)	Thrasher I-5	15-045-22211	921 GL	822	UNNAMED	29-APR-2014		EOR ON LIST

Kansas Geological Survey, Oil and Gas Well Database

Comments to [webadmin@kgs.ku.edu](mailto:webadmin@kgs.ku.edu)

URL=<http://www.kgs.ku.edu/Magellan/Qualified/index.html>

Well Database Programs Updated June 6, 2014. Data added continuously.

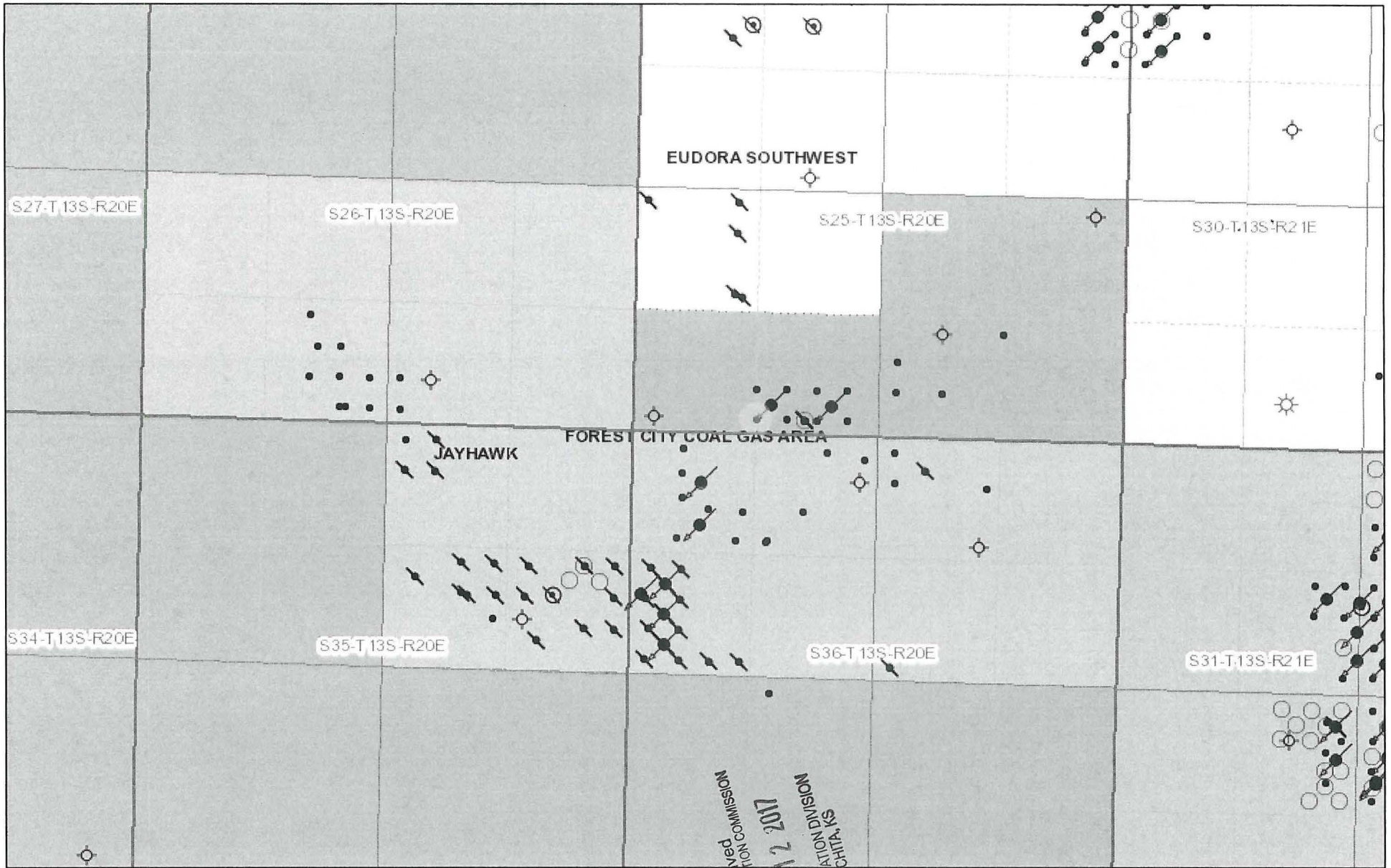


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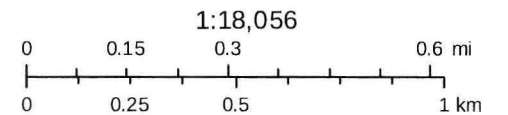
# Thrasher Lease



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 KANSAS GEOLOGICAL SURVEY  
 DIVISION OF PETROLEUM  
 SEP 27 2017  
 MCM

September 28, 17

BG-5 Inc.  
 Lou Petroleum Corp.  
 Rolex, Inc.  
 Alternative Energy Systems Inc.



Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey



**JAMIE SHEW**  
**DOUGLAS COUNTY CLERK**  
1100 Massachusetts  
Lawrence, KS 66044

**Marni Penrod**-Chief Deputy Clerk  
**Heather Dill**-Deputy Clerk Elections

October 3, 2017

A CERTIFIED PROPERTY OWNERSHIP LIST WITHIN ½ MILE OF SW/4, 25-13-20.  
10/03/2017. REQUESTED BY DRILL BABY DRILL, LLC.

JOHN R. NICHOLS  
DOUGLAS COUNTY CLERK'S OFFICE  
1100 MASSACHUSETTS ST  
LAWRENCE, KS 66044

785-832-5147

[jnichols@douglas-county.com](mailto:jnichols@douglas-county.com)

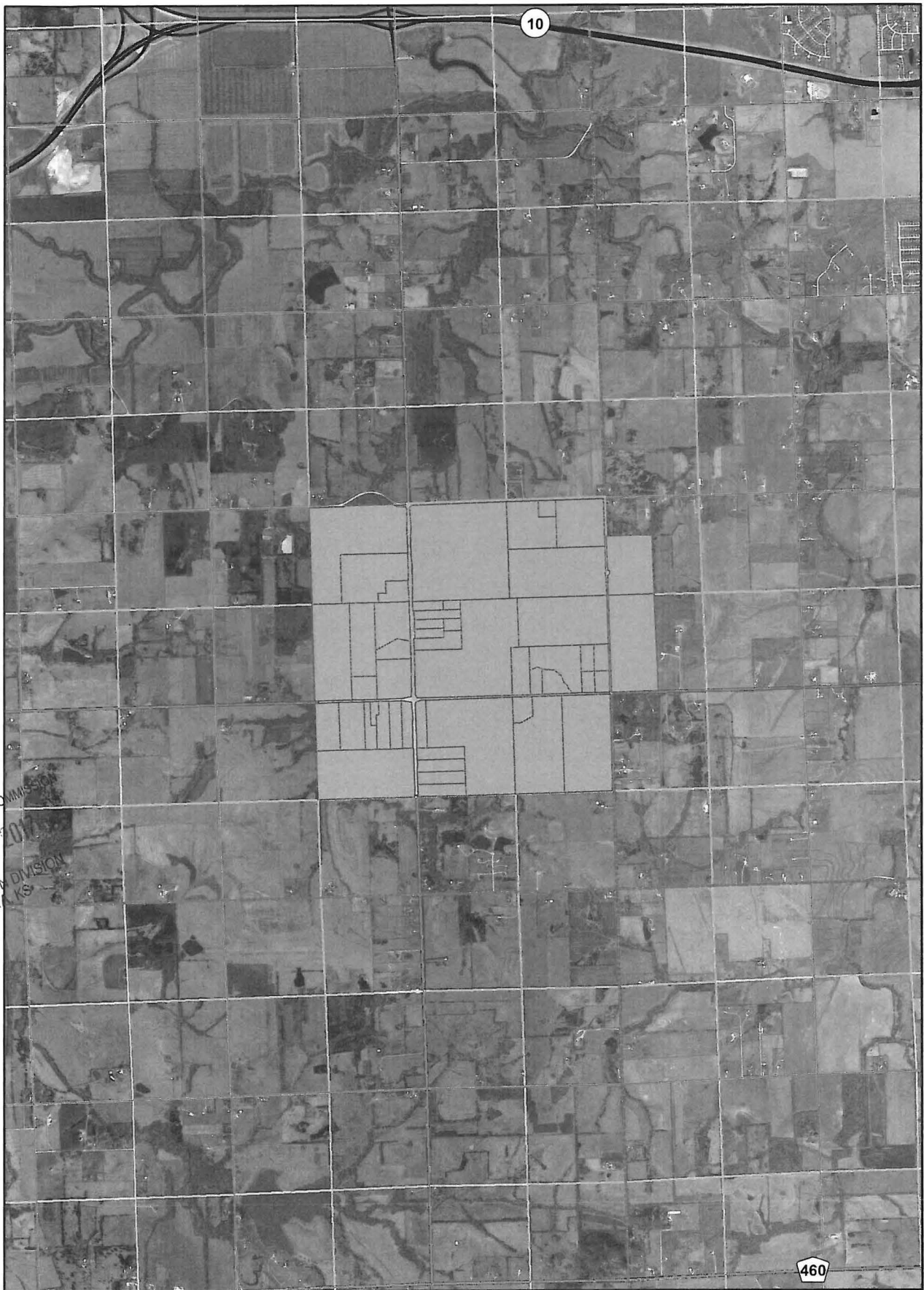
Douglas County Real Estate Division  
County Clerk's Office. I do hereby certify  
the Property Ownership listed hereto, to be  
true and accurate.

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CONSERVATION DIVISION  
WICHITA, KS

# POL WITHIN 1/2 MILE OF SW/4, 25-13-20



JOINPIN	SYSICALACRES	owner1	owner2	owner3	address	city	state	zip	plate	PID	Quickrefid	situs
099-30-0-00-00-012.00-0	45.7285665	LEMESANY SHERYL A			285 E PALO VERDE AVE	PALM SPRINGS	CA	92264	200411E	023-099-30-0-00-00-012.00-0	R20277	1066 E 2000 RD
099-30-0-00-00-013.00-0	75.94874467	LUNN JOSEPH W			1409 E 28TH TER	LAWRENCE	KS	66046	200412	023-099-30-0-00-00-013.00-0	R20278	2020 N 1000 RD
107-25-0-00-00-001.00-0	38.8963907	WILLOUGHBY RICHARD H			1991 N 1100 RD	EUDORA	KS	66025	200127A	023-107-25-0-00-00-001.00-0	R25048	1991 N 1100 RD
107-25-0-00-00-002.01-0	4.68829773	POLZIN DEVON R			1973 N 1100 RD	LAWRENCE	KS	66046	200127B	023-107-25-0-00-00-002.01-0	R25050	1973 N 1100 RD
107-25-0-00-00-002.00-0	34.92730995	DIXON J SCOTT	DIXON MICHAEL V		1662 E 1100 RD	LAWRENCE	KS	66049	200127	023-107-25-0-00-00-002.00-0	R25049	1951 N 1100 RD
107-25-0-00-00-003.00-0	157.462586	WELLS PARTNERS LP			3317 W 68TH ST	MISSION HILLS	KS	66208	200129	023-107-25-0-00-00-003.00-0	R25051	
107-26-0-00-00-001.00-0	104.0171654	TOM O AKIN ENTERPRISES INC			1852 N 1100 RD	LAWRENCE	KS	66046	200137A	023-107-26-0-00-00-001.00-0	R25070	
107-25-0-00-00-008.00-0	80.33387397	TERREBONNE MAE E			1071 E 2000 RD	EUDORA	KS	66025	200128	023-107-25-0-00-00-008.00-0	R25069	1071 E 2000 RD
107-26-0-00-00-009.00-0	45.83752813	BETTINGER RICHARD S			PO BOX 414641	KANSAS CITY	MO	64141	200136	023-107-26-0-00-00-009.00-0	R25082	1071 E 1900 RD
107-26-0-00-00-009.01-0	9.318682	GRANT GARY W	GRANT DOROTHY H		1055 E 1900 RD	LAWRENCE	KS	66046	200136A	023-107-26-0-00-00-009.01-0	R25083	1055 E 1900 RD
107-25-0-00-00-004.01-0	74.27073986	WOODY OUTDOORS LLC			259 W PARK RD	GARNETT	KS	66032	200132	023-107-25-0-00-00-004.01-0	R25053	
107-25-0-00-00-004.00-0	125.3907509	THRASHER PAT TRUSTEE			8235 SPRING DR	DE SOTO	KS	66018	200130A	023-107-25-0-00-00-004.00-0	R25052	1916 N 1000 RD
107-25-0-00-00-004.05-0	2.66759815	LISTER LELAND E	LISTER MARY F		1048 E 1901 RD	EUDORA	KS	66025	200130CA	023-107-25-0-00-00-004.05-0	R25057	
107-25-0-00-00-004.04-0	4.74139658	LISTER LELAND E	LISTER MARY F		1048 E 1901 RD	EUDORA	KS	66025	200130C	023-107-25-0-00-00-004.04-0	R25056	1048 E 1901 RD
107-26-0-00-00-008.02-0	23.83622996	CROWE WILLIAM L	CROWE LAURA K		PO BOX 196	EUDORA	KS	66025	200145A	023-107-26-0-00-00-008.02-0	R25081	1041 E 1900 RD
107-26-0-00-00-007.00-0	31.10385852	CROWE WILLIAM L	CROWE LAURA K		PO BOX 196	EUDORA	KS	66025	200143	023-107-26-0-00-00-007.00-0	R25078	
107-26-0-00-00-005.00-0	61.47490243	SACK NANCY J			1751 N 1000 RD	BALDWIN CITY	KS	66006	200144	023-107-26-0-00-00-005.00-0	R25076	
107-25-0-00-00-004.02-0	7.23798639	BOYD BRANDEN L TRUSTEE	BOYD KIRSTEN P TRUSTEE		1046 E 1901 RD	EUDORA	KS	66025	200130B	023-107-25-0-00-00-004.02-0	R25054	1046 E 1901 RD
107-25-0-00-00-004.07-0	3.5184022	MORE CAROLYN S	MORE JOHN C		1040 E 1901 RD	EUDORA	KS	66025	200130E	023-107-25-0-00-00-004.07-0	R25059	
107-25-0-00-00-004.06-0	4.56954497	MORE CAROLYN S	MORE JOHN C		1040 E 1901 RD	EUDORA	KS	66025	200130D	023-107-25-0-00-00-004.06-0	R25058	1040 E 1901 RD
107-25-0-00-00-004.08-0	4.56305908	KELLY LUTHER J	KELLY EVELYN L		1030 E 1901 RD	EUDORA	KS	66025	200130F	023-107-25-0-00-00-004.08-0	R25060	1030 E 1901 RD
107-25-746062	11.55746062	BONDURANT JAMES E Jr	BONDURANT PATRICIA G		1028 E 1901 RD	EUDORA	KS	66025	200130H	023-107-25-0-00-00-004.03-0	R25055	1028 E 1901 RD
107-26-0-00-00-008.00-0	9.51773533	WALTERS GARY J	WALTERS SARAH E		1027 E 1900 RD	LAWRENCE	KS	66046	200145	023-107-26-0-00-00-008.00-0	R25079	1027 E 1900 RD
107-25-0-00-00-007.03-0	6.65968139	KLAASMEYER MICHAEL B			1017 E 2000 RD	EUDORA	KS	66025	200134BA	023-107-25-0-00-00-007.03-0	R25068	1017 E 2000 RD
107-25-0-00-00-007.00-0	5.97582178	KLAASMEYER MICHAEL B			1017 E 2000 RD	EUDORA	KS	66025	200134B	023-107-25-0-00-00-007.00-0	R25065	
107-25-0-00-00-005.00-0	14.65996214	HADL JAMES E			1954 N 1000 RD	EUDORA	KS	66025	200133	023-107-25-0-00-00-005.00-0	R25061	1954 N 1000 RD
107-26-0-00-00-008.01-0	23.0288335	BRUCE KEVIN C TRUSTEE			1886 N 1000 RD	LAWRENCE	KS	66046	200145B	023-107-26-0-00-00-008.01-0	R25080	1886 N 1000 RD
107-25-0-00-00-007.01-0	4.76774602	PIMPL JOHN E	PIMPL SANDRA S		1992 N 1000 RD	EUDORA	KS	66025	200134A01	023-107-25-0-00-00-007.01-0	R25066	1992 N 1000 RD
107-25-0-00-00-007.02-0	5.30700122	STEPHENS GREGORY R			1003 E 2000 RD	EUDORA	KS	66025	200134BB	023-107-25-0-00-00-007.02-0	R25067	1003 E 2000 RD
107-26-0-00-00-006.00-0	9.8905815	BUERMAN SHIRLEY E	SHOCKLEY BRENDA L		1874 N 1000 RD	LAWRENCE	KS	66046	200143A	023-107-26-0-00-00-006.00-0	R25077	1874 N 1000 RD
107-36-0-00-00-001.00-0	79.15740539	COMPTON FARMS LLC			PO BOX 1797	LAWRENCE	KS	66044	200153	023-107-36-0-00-00-001.00-0	R25104	1991 N 1000 RD
107-36-0-00-00-002.00-0	72.72270117	COMPTON FARMS LLC			PO BOX 1797	LAWRENCE	KS	66044	200154	023-107-36-0-00-00-002.00-0	R25105	
107-36-0-00-00-002.01-0	7.95784139	GORDEN TRICIA M	GORDEN JOSHUA C		1955 N 1000 RD	EUDORA	KS	66025	200154A	023-107-36-0-00-00-002.01-0	R25106	1955 N 1000 RD
107-36-0-00-00-003.01-0	110.356507	HADL VERNON			1925 N 1000 RD	LAWRENCE	KS	66046	200156	023-107-36-0-00-00-003.01-0	R316331	1925 N 1000 RD
107-36-0-00-00-004.00-0	8.39467026	LICKTEIG VICTOR L	LICKTEIG LADONNA R		996 E 1900 RD	LAWRENCE	KS	66046	200155A	023-107-36-0-00-00-004.00-0	R25108	996 E 1900 RD
107-35-0-00-00-001.00-0	8.32003985	HENDRY JOE E	HENDRY L DIANE		995 E 1900 RD	LAWRENCE	KS	66046	200146A01	023-107-35-0-00-00-001.00-0	R25084	995 E 1900 RD
107-35-0-00-00-002.00-0	9.95760576	RAY WILLIAM L TRUSTEE	RAY SHARON L TRUSTEE		1891 N 1000 RD	LAWRENCE	KS	66046	200146A	023-107-35-0-00-00-002.00-0	R25085	1891 N 1000 RD
107-35-0-00-00-003.01-0	9.8182214	CROMWELL RICHARD W	CROMWELL MELANIE A		1887 N 1000 RD	LAWRENCE	KS	66046	200146A04B	023-107-35-0-00-00-003.01-0	R25086	1887 N 1000 RD
107-35-0-00-00-005.00-0	2.88416277	STEEL DOUGLAS W	STEEL SUSAN L		1881 N 1000 RD	LAWRENCE	KS	66046	200146A03D	023-107-35-0-00-00-005.00-0	R25088	1881 N 1000 RD
107-35-0-00-00-006.00-0	7.22288542	GOFF RAYMOND A	GOFF MARSHA H		1877 N 1000 RD	LAWRENCE	KS	66046	200146A03	023-107-35-0-00-00-006.00-0	R25090	1877 N 1000 RD
107-35-0-00-00-007.00-0	20.28001491	TRANSUE CHARLES A & MARY E FAMILY TRUST			1869 N 1000 RD	LAWRENCE	KS	66046	200146A02	023-107-35-0-00-00-007.00-0	R25091	1869 N 1000 RD
107-35-0-00-00-008.00-0	19.54471185	SPIRAL LLC			PO BOX 723	EUDORA	KS	66025	200146A02A	023-107-35-0-00-00-008.00-0	R25092	1861 N 1000 RD
107-36-0-00-00-005.01-0	9.79355234	MC GEE JAMES A	MC GEE CAROL		972 E 1900 RD	EUDORA	KS	66025	200157A	023-107-36-0-00-00-005.01-0	R25110	972 E 1900 RD
107-35-0-00-00-013.00-0	79.94370128	LICKTEIG VICTOR L			996 E 1900 RD	LAWRENCE	KS	66046	200146	023-107-35-0-00-00-013.00-0	R25103	
107-36-0-00-00-005.02-0	9.82994237	HORNBAKER STANLEY D	HORNBAKER ROSE A		958 E 1900 RD	EUDORA	KS	66025	200157B	023-107-36-0-00-00-005.02-0	R25111	
107-36-0-00-00-005.00-0	9.86774228	HORNBAKER STANLEY D	HORNBAKER ROSIE A		958 E 1900 RD	EUDORA	KS	66025	200157	023-107-36-0-00-00-005.00-0	R25109	958 E 1900 RD
107-36-0-00-00-005.03-0	9.86683901	HOWARD LARRY D	HOWARD JANE E		954 E 1900 RD	EUDORA	KS	66025	200157C	023-107-36-0-00-00-005.03-0	R25112	954 E 1900 RD
107-25-0-00-00-006.00-0	27.36497153	JONES JORDAN	JONES DAWN		11422 GRANT DR	OVERLAND PARK	KS	66210	200134	023-107-25-0-00-00-006.00-0	R25062	1984 N 1000 RD
107-25-0-00-00-006.02-0	5.36214017	HEIER ALAN J	HEIER MARY J		1962 N 1000 RD	EUDORA	KS	66025	200134CA	023-107-25-0-00-00-006.02-0	R25064	1962 N 1000 RD
107-25-0-00-00-006.01-0	8.94671277	SNOW MICHAEL W	SNOW WILLY D		1972 N 1000 RD	EUDORA	KS	66025	200134C	023-107-25-0-00-00-006.01-0	R25063	1972 N 1000 RD

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Midstates Energy Operating LLC      Sec.25 Twp.13S R.20E

1	15-045-22212-00-00	165S	3665E
2	15-045-22213-00-00	165S	3995E
3	15-045-22214-00-00	495S	3995E
4	15-045-22215-00-00	495S	3665E
6	15-045-22250-00-00	165S	3335E
7	15-045-22251-00-00	495S	3335E
8	15-045-22252-00-00	495S	3005E
9	15-045-22253-00-00	165S	3005E

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Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1369170  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
November 2016

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

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 35503  
Name: Midstates Energy Operating, LLC  
Address 1: 5571 HALIFAX AVENUE  
Address 2: \_\_\_\_\_  
City: FT MYERS State: FL Zip: 33912 + \_\_\_\_\_  
Contact Person: Ron Inge  
Phone: (239) 454-4999  
CONTRACTOR: License # 34817  
Name: HB Energy LLC  
Wellsite Geologist: NA

Purchaser: \_\_\_\_\_

Designate Type of Completion:

- New Well  Re-Entry  Workover
- Oil  WSW  SWD
- Gas  DH  EOR
- OG  GSW
- CM (Coal Bed Methane)
- Cathodic  Other (Core, Expl., etc.): \_\_\_\_\_

If Workover/Re-entry: Old Well Info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_

- Deepening  Re-perf.  Conv. to EOR  Conv. to SWD
- Plug Back  Liner  Conv. to GSW  Conv. to Producer
- Commingled Permit #: \_\_\_\_\_
- Dual Completion Permit #: \_\_\_\_\_
- SWD Permit #: \_\_\_\_\_
- EOR Permit #: \_\_\_\_\_
- GSW Permit #: \_\_\_\_\_

<u>1/9/2015</u>	<u>1/9/2015</u>	<u>1/9/2015</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No.: 15-045-22254-00-00

Spot Description: \_\_\_\_\_

W2- SE - SE -SW Sec. 25 Twp. 13 S. R. 20  East  West

330 Feet from  North /  South Line of Section

3170 Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE  NW  SE  SW

GPS Location: Lat: \_\_\_\_\_, Long: \_\_\_\_\_  
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum:  NAD27  NAD83  WGS84

County: Douglas

Lease Name: THRASHER Well #: 10

Field Name: \_\_\_\_\_

Producing Formation: Squirrel

Elevation: Ground: 920 Kelly Bushing: 920

Total Vertical Depth: 830 Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: 44 Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from: \_\_\_\_\_

feet depth to: \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: 1500 ppm Fluid volume: 10 bbls

Dewatering method used: Evaporated

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

County: \_\_\_\_\_ Permit #: \_\_\_\_\_

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AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

- Confidentiality Requested  
Date: \_\_\_\_\_
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received  Drill Stem Tests Received
- Geologist Report / Mud Logs Received
- UIC Distribution
- ALT  I  II  III Approved by: Karen Ritter Date: 10/05/2017





1369170

Operator Name: Midstates Energy Operating, LLC Lease Name: THRASHER Well #: 10

Sec. 25 Twp. 13 S. R. 20  East  West County: Douglas

**INSTRUCTIONS:** Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Name GammaRay	Top 20'	Datum GL
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Electric Log Run	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Geologist Report / Mud Logs	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
List All E. Logs Run:				
GammaRayNeutronCCL				

CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	11	7	10	44	Common	14	50/50 POZ
Production	5.625	2.875	8	810	Common	94	Gel/Seal

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing	-			
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone	-			

- Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*
- Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 3)*
- Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?  Yes  No *(If No, fill out Page Three of the ACO-1)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____							
Estimated Production Per 24 Hours	Oil	Bbbs.	Gas	Mcf	Water	Bbbs.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>			METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5) (Submit ACO-4)</i>			PRODUCTION INTERVAL: Top Bottom	
						720	730

Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>
	720	730			

TUBING RECORD:	Size:	Set At:	Packer At:
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Form	ACO1 - Well Completion
Operator	Midstates Energy Operating, LLC
Well Name	THRASHER 10
Doc ID	1369170

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Surface	11	7	10	44	Common	14	50/50 POZ
Production	5.625	2.875	8	810	Common	94	Gel/Seal

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WICHITA, KS



Fueling American Prosperity™

## Oil and Gas Well Drilling

3137 Virginia Rd, Wellsville KS 66092

Owners: Clay Hughes

Isaac Burbank

Phone: (785) 979-9493

(913) 963-9127

Fax: (785) 883-2305

### Well Log

Magnum Exploration Kansas, LLC

Thrasher #10

Sec. 25 Twp. 13 Rng. 20

15-045-22254-00-00

01/09/15

<u>Thickness of Strata</u>	<u>Formation</u>	<u>Total</u>
2	Soil and Clay	2
1	Lime	3
12	Sandy Shale	15
83	Shale	98
18	Sand	116
16	Lime	132
6	Shale	138
7	Lime	145
14	Shale	159
19	Lime	178
9	Shale	187
1	Lime	188
25	Shale	213
13	Lime	226
7	Shale	233
27	Lime	260
34	Shale	294
12	Lime	306
2	Shale	308
2	Lime	310
13	Shale	323
16	Lime	339
16	Shale	355
13	Lime	368
7	Shale	375
1	Lime	376
3	Shale	379
11	Lime	390
2	Shale	392
15	Lime	407
11	Shale	418

Hard, grey, makes a little water

23	Lime	441	
3	Shale	444	
4	Lime	448	
5	Shale	453	
6	Lime	459	Base of Kansas City
168	Shale	627	
5	Lime	632	
5	Shale	637	
3	Lime	640	
2	Shale	642	
1	Coal	643	
6	Shale	649	
4	Lime	653	
15	Shale	668	
4	Lime	672	
7	Shale	679	
4	Lime	683	
25	Shale	708	
3	Lime	711	
2	Silty Shale	713	
6	Shale	719	
1	Silty Shale	720	
1	Broken Sand	721	20% brown sand, 80% shale, light bleed
2	Broken Sand	723	90% brown sand, thin shale and lime seems
1	Broken Sand	724	40% brown sand, 60% shale, ok bleed, gassy
1	Limey Sand	725	15% bleeding
1	Broken Sand	726	30% brown sand, 70% shale, ok bleed
2	Oil Sand	728	Soft brown sand, good bleed, few thin shale seems
2	Broken Sand	730	25% brown sand, 75% shale, light bleeding
4	Silty Shale	734	
38	Shale	772	
1	Broken Lime	773	
1	Shale	774	
1	Broken Sand	775	20% brown sand, 80% shale, ok bleed, gassy
1	Silty Shale	776	
1	Broken Sand	777	10% brown sand, 90% shale, light bleed
3	Silty Shale	780	
8	Shale	788	
7	Sand	795	Brown, no show
35	Shale	830	TD

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Drill an 11" hole to 44'  
Drilled a 5 5/8" hole to 830'

Set 44' of 7" surface casing, cemented with 14 sacks of cement.

Set 810' of 2 7/8" 8 round upset tubing including 3 centralizers, 1 clamp, 1 float-shoe, and baffle.  
Baffle set at 782'.



**CONSOLIDATED**  
Oil Well Services, LLC

PO Box 884, Chanute, KS 66720  
620-431-9210 or 800-467-8676

**FIELD TICKET & TREATMENT REPORT**  
**CEMENT**

TICKET NUMBER 50757  
LOCATION Atchawa, KS  
FOREMAN Casper Kennedy

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
11/15	5700	Thrasher # 10	SW 25	13	20	DB
CUSTOMER Minimum Exp Kansas LLC			TRUCK #			
MAILING ADDRESS 8718 County Rd 262			739	Driver Casper	TRUCK #	DRIVER
CITY Clyde			1440	Kei Car	✓	Salah, Matting
STATE TX			510	Duswap	✓	
ZIP CODE 79510			1495	Kei Det	✓	

JOB TYPE Low string HOLE SIZE 5 7/8" HOLE DEPTH 630' CASING SIZE & WEIGHT 2 7/8" EUE  
CASING DEPTH 810' DRILL PIPE Tubing - 7 5/8" OTHER \_\_\_\_\_  
SLURRY WEIGHT \_\_\_\_\_ SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT IN CASING 28'  
DISPLACEMENT 4.53 bbls DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE 4.5 bpm

REMARKS: held salah meeting, established circulation, mixed & pumped 200# Gel followed by 10 bbls fresh water, mixed & pumped 94' Sec OWC cement w/ 1/2# Phenoseal per sk, cement to surface, plugged pump clean, pumped 2 1/2" rubber plug to bottom w/ 4.53 bbls fresh water, pressure to 800 PSI, well held pressure for 30 min MIT, released pressure, shut in casing.

*[Handwritten signature]*

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE		1085.00
5406	30 mi	MILEAGE		126.00
5402	810'	casing footage		
5407	minimum	ten mile day		365.00
5502C	2 hrs	80 vac		200.00
1126	94 sec	OWC cement	1856.50	
1118B	200 #	Gel	44.00	
1107A	47 #	Phenoseal	63.45	
		materials	1963.95	
		- 30%	589.19	
		subtotal		1374.76
4402	1	2 1/2" Rubber Plug		29.50
			3914.98	
			7.15%	SALES TAX
				ESTIMATED
				TOTAL
				3283.166

AUTHORIZATION [Signature] TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form