

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1

January 2018

Form must be Typed

Form must be Signed

All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

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 #: _____

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ 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: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ 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: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

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: _____ Date: _____

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

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 <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input 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

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				

1. Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
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 Bbls.	Gas Mcf	Water Bbls.	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 type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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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>

TUBING RECORD:	Size:	Set At:	Packer At:	
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Form	ACO1 - Well Completion
Operator	Vonfeldt, Alan J
Well Name	MICHAELIS 6
Doc ID	1659641

Tops

Name	Top	Datum
ANHYDRITE	654	+1056
GRAND HAVEN LIME	2200	-490
DOVER LIME	2222	-512
TARKIO LIME	2271	-561
TOPEKA	2548	-838
HEEBNER SHALE	2777	-1067
TORONTO	2795	-1085
LKC	2845	-1135
BKC	3106	-1396
ARBUCKLE	3136	-1426
RTD	3173	-1463

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-1071

Home Office P.O. Box 32 Russell, KS 67665

No. 2922

Cell 785-324-1041

Date	7-13-22	Sec.	33	Twp.	14	Range	13	County	Russell	State	Ks	On Location		Finish	7:00 pm
Lease	Michealis		Well No.	6		Owner	Alan's House S to Lincoln Rd E to Cattle Guard, N to well								
Contractor	Discovery #2		To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.												
Type Job	Surface		Charge To Alan Vonfeldt												
Hole Size	12 1/4"		T.D.	309'		Street									
Csg.	8 3/8"		Depth	309'		City									
Tbg. Size			Depth			State									
Tool			Depth			The above was done to satisfaction and supervision of owner agent or contractor.									
Cement Left in Csg.	15'		Shoe Joint	15'		Cement Amount Ordered 180 60/40 4% CC 2% Gel									
Meas Line			Displace	18 1/2 BCS											
EQUIPMENT															
Pumptrk	16	No.	Cementer	David		Common 110									
			Helper			Poz. Mix 70									
Bulktrk	14	No.	Driver	Clayton		Gel. 8									
			Driver			Calcium 3									
Bulktrk	24	No.	Driver	Rick		Hulls									
			Driver			Salt									
JOB SERVICES & REMARKS															
Remarks:	Cement did Circulate														
Rat Hole	Flowseal														
Mouse Hole	Kol-Seal														
Centralizers	Mud CLR 48														
Baskets	CFL-117 or CD110 CAF 38														
D/V or Port Collar	Sand														
	Handling 191														
	Mileage														
FLOAT EQUIPMENT															
	Guide Shoe														
	Centralizer														
	Baskets														
	AFU Inserts														
	Float Shoe														
	Latch Down														
	Pumptrk Charge Surface														
	Mileage 15 (min)														
	Thanks														
Signature												Tax			
												Discount			
												Total Charge			

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-1071
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. **2540**
7-18-22

Date	7-17-22	Sec.	33	Twp.	14	Range	13	County	Russell	State	KS	On Location		Finish	12 30 AM
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Location *Alan's House 1/2 E + N*

Lease	<i>Michaelis</i>	Well No.	<i>6</i>	Owner	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.
Contractor	<i>Discovery Drilling</i>				
Type Job	<i>prod string</i>				
Hole Size	<i>7 7/8</i>	T.D.	<i>3172' RTD</i>	Charge To	<i>Alan Vonfeldt</i>
Csg.	<i>4 1/2</i>	Depth	<i>3169'</i>	Street	
Tbg. Size		Depth		City	State
Tool		Depth		The above was done to satisfaction and supervision of owner agent or contractor.	

Cement Left in Csg.	<i>21.87</i>	Shoe Joint	<i>21.87'</i>	Cement Amount Ordered	<i>220 com 10% salt</i>
Meas Line		Displace	<i>49 BS</i>		<i>5% gilsonite 500 gal Mud Clear</i>

EQUIPMENT

Pumptrk	No.	Cementer	<i>Rick</i>	Driver	<i>Dave</i>	Common	<i>220</i>
		Helper				Poz. Mix	
Bulktrk	<i>18</i>	Driver		Driver	<i>Nick</i>	Gel.	
Bulktrk	<i>9</i>	Driver		Driver	<i>Tim</i>	Calcium	

JOB SERVICES & REMARKS

Remarks:		Hulls	
Rat Hole	<i>30 sk</i>	Salt	<i>17</i>
Mouse Hole	<i>15 sk</i>	Flowseal	
Centralizers	<i>SS, 5, 7, 20, 22</i>	Kol-Seal	<i>900 #</i>
Baskets	<i>9, 17</i>	Mud CLR 48	<i>500 gal</i>
D/V or Port Collar		CFL-117 or CD110 CAF	<i>38</i>
<i>Ran 4 1/2 to bottom & circulated</i>		Sand	
<i>plug mouse hole & rat hole</i>		Handling	<i>246</i>
<i>pumped 500 gal mud flush</i>		Mileage	<i>15</i>
<i>Mixed 175 sk</i>		Guide Shoe	1
<i>wash lines & displaced</i>		Centralizer	<i>5</i>
<i>wk 49 BRL</i>		Baskets	<i>2</i>
<i>LIFT Pressure to 600 psi</i>		AFU Inserts	
<i>Land plug to 1400 psi</i>		Float Shoe	<i>1</i>
		Latch Down	<i>1</i>

FLOAT EQUIPMENT

Pumptrk Charge	<i>prod string</i>
Mileage	<i>15</i>

X Signature <i>Terry Riesten</i>	Tax Discount Total Charge
	Thanks
	(Blank)

OPERATOR

Company: ALAN J. VONFELDT
 Address: PO BOX 611
 RUSSELL, KANSAS 67665

Contact Geologist: ALAN J. VONFELDT
 Contact Phone Nbr: 785-483-0252
 Well Name: MICHAELIS # 6
 Location: N2 NW SW SW, SEC. 33-T14S-R13W
 API: 15-167-24,126-00-00
 Pool: IN FIELD
 State: KANSAS
 Field: HALL-GURNEY
 Country: USA

Scale 1:240 Imperial

Well Name: MICHAELIS # 6
 Surface Location: N2 NW SW SW, SEC. 33-T14S-R13W
 Bottom Location:
 API: 15-167-24,126-00-00
 License Number: 7281
 Spud Date: 7/13/2022 Time: 7:45 AM
 Region: RUSSELL COUNTY
 Drilling Completed: 7/17/2022 Time: 6:07 AM
 Surface Coordinates: 1248' FSL & 330' FWL
 Bottom Hole Coordinates:
 Ground Elevation: 1702.00ft
 K.B. Elevation: 1710.00ft
 Logged Interval: 2000.00ft To: 3173.00ft
 Total Depth: 3173.00ft
 Formation: TARKIO/LKC
 Drilling Fluid Type: CHEMICAL/FRESH WATER GEL

SURFACE CO-ORDINATES

Well Type: Vertical
 Longitude: -98.779173
 Latitude: 38.787365
 N/S Co-ord: 1248' FSL
 E/W Co-ord: 330' FWL

LOGGED BY

Company: SOLUTIONS CONSULTING, INC.
 Address: 108 W 35TH
 HAYS, KS 67601

Phone Nbr: (785) 639-1337
 Logged By: GEOLOGIST Name: HERB DEINES

CONTRACTOR

Contractor: DISCOVERY DRILLING INC.
 Rig #: 2
 Rig Type: MUD ROTARY
 Spud Date: 7/13/2022 Time: 7:45 AM
 TD Date: 7/17/2022 Time: 6:07 AM
 Rig Release: 7/18/2022 Time: 1:30 AM

ELEVATIONS

K.B. Elevation: 1710.00ft Ground Elevation: 1702.00ft
 K.B. to Ground: 8.00ft

NOTES

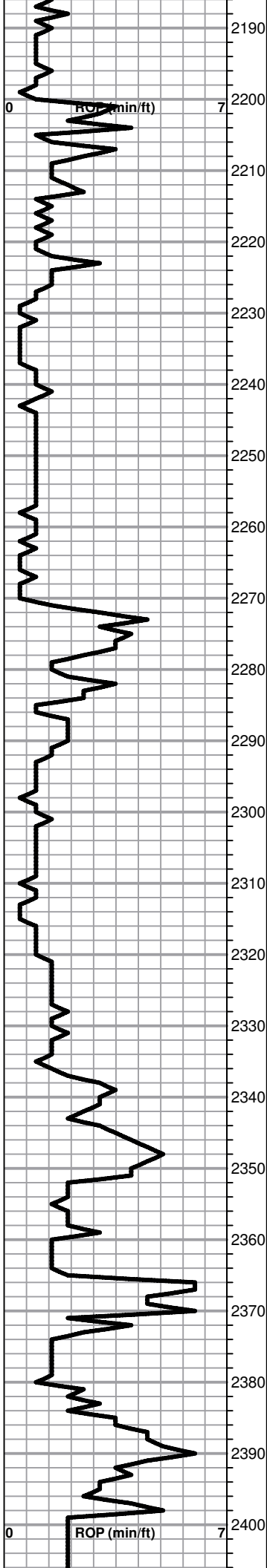
OPEN HOLE LOGS BY MIDWEST WIRELINE: DUAL INDUCTION LOG, DUAL COMPENSATED POROSITY LOG, MICRORESISTIVITY LOG.

NO DRILL TESTS WERE RAN ON THIS WELL.

FORMATION TOPS COMPARISON

	MICHAELIS # 6 N2 NW SW SW SEC.33-14S-13W KB 1710'	MICHAELIS # 5 NW NE SW SW SEC. 33-14S-13W KB 1733'	MICHAELIS # 1 SE NE SW SW SEC.33-14S-13W KB 1733'
	LOG TOPS		
Anhydrite-top	654+1056	+1055	+1048
Anhydrite-base	690+1020	+1021	+1015
Grand Haven Lm	2200 - 490	-494	+502
Dover Lime	2222 -512	-517	-524
Tarkio Lime	2271 -561	-565	-572
Topeka	2548 - 838	-843	-852
Heebner Shale	2777-1067	-1072	-1083
Toronto	2795-1085	-1092	-1100
LKC	2845-1135	-1139	-1143
BKC	3106-1396	-1399	-1409
Arbuckle	3136-1426	Not Reached	-1429
Reagan Sand	Not Reached	Not Reached	-1447
RTD	3173-1463	-1405	-1485

- 7-13-22 Spud 7:45 AM. set 8 5/8" to 308' and cemented w/ 170 sks 60/40 pos 3%CC 2%gel, plug down 7:00 PM, slope 3/4 degree @308'. WOC 8 hour
- 7-14-22 682', drilling with PDC bit
- 7-15-22 2072', drilling, bit trip 2006', slope 1/2 degree, displace 2061'-2077'
- 7-16-22 2680', drilling,
- 7-17-22 3173', RTD 3173' @ 6:07AM, CCH, short trip, TOWB, Logs, TIWB, LDDP, run production casing
- 7-18-22 3173', cement production casing, release rig at 1:30 AM.



Shale, gray, med gray, maroon, red, soft sticky
Lime, med-dark gray, fnxln

GRAND HAVEN 2200-490

Lime, med brn-med grayish brn, fnxln

SS, lt gray, fn grained poorly sorted, micaceous, NS
Shale, red, lime green, soft mud

DOVER LIME 2222-512

Lime, med brn, fnxln

SS, quartz, lt brn, poor to fair sorting, lt odor, scat to sat lt staining, very slight effervesence with acid.

Shale, lt gray, soft mud to soft blocky

Shale, med-dark gray, soft blocky

TARKIO/STOTLER LIME 2271-561

Lime, crm-lt brn, fnxln, fossiliferous in part

Lime, lt-med brn, fn-micro xln

Lime, lt-med brn, fn-micro xln

SS, quartz, fine- gritty, poorly sorted, micaceous, not well developed

Shale, lt gray, soft sticky

SS, quartz, lt brn, fine grained, scattered lt staining, no odor or SFO

Shale, lt gray, soft, sticky

ELMONT

Lime, crm-lt brn, fn-vfxln, scattered fusilinids

Lime, lt brn, vfxln, slight bedded chalk with sticky clumps in part

Shale, lt-med gray, soft blocky

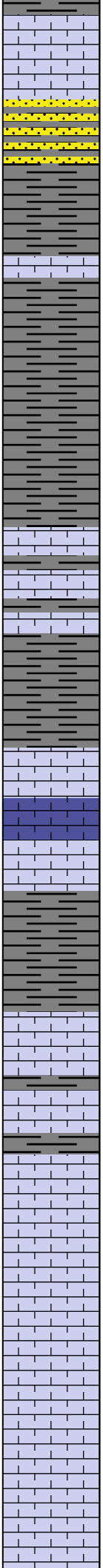
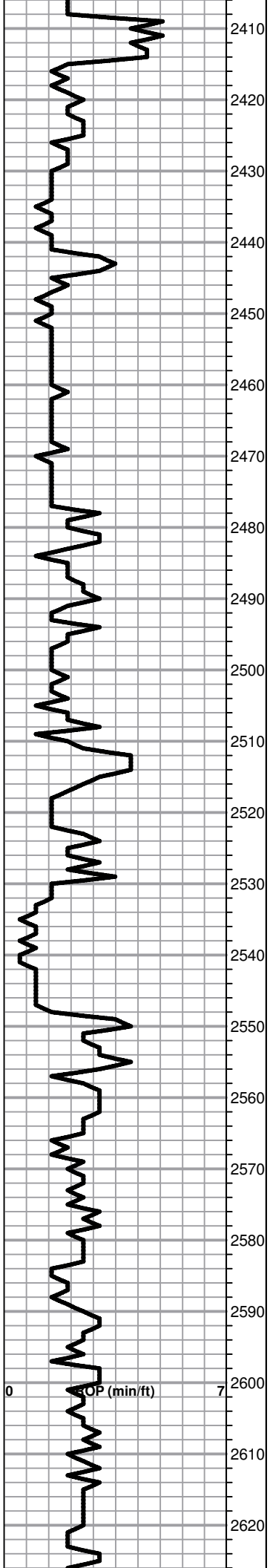
Lime, med brn-med grayish brn, fn-vflxn

Lime, med brn-med grayish brn, fn-vfxln

Lime, crm-lt brn, fn-vfxln, slightly fossiliferous in part

Shale, red, gray, soft blocky

Shale, lt gray, soft sticky mud



Lime, med brn-med grayish brn, fnxln, fossiliferous in part

Shale, dove gray, soft mud
 SS, quartz, gray, shaley, NS

Shale, lt-med gray, soft mud-soft blocky

Lime, med-dark brn, fnxln, fossiliferous

Shale, lt gray, soft mud, sticky

Shale, lt gray, soft mud

Lime, med-dark brn-med grayish brn, fn-vfxln, slightly fossiliferous

Lime, lt-med brn, fn-vfxln

Shale, med gray, soft mud to soft blocky

Lime, lt-dark brn, fn-vfxln

Lime, med grn-med grayish brn, fnxln

Lime, med brn-med grayish brn, fn-vfxln, slight fossiliferous

Shale, lt-med gray, soft blocky

TOPEKA 2548-838

Lime, lt-med brn, fn-vfxln

Lime, lt-med brn-med grayish brn, fn-vfxln, slight fossiliferous

Lime, lt brn-lt gray, fn-vfxln

Lime, lt-med brn, fn-vfxln

Lime, lt-med brn, mostly fnxln with scattered grainstone in part, NS

Lime, lt brn-med grayish brn, fnxln, slightly fossiliferous

Lime, lt-med brn-med grayish brn, fn-vfxln, slightly fossiliferous

Lime, lt-med brn, fn-vfxln

