



**GILBERT-STEWART  
OPERATING LLC**

Scale 1:240 Imperial

Well Name: Lincoln #18  
 Surface Location: 1900' FSL and 1830' FWL  
 Bottom Location:  
 API: 15-159-22778-0000  
 License Number:  
 Spud Date: 4/28/2014 Time: 5:30 PM  
 Region: Sec. 28 - T19S - R09W, Rice County  
 Drilling Completed: 5/4/2014 Time: 10:30 PM  
 Surface Coordinates:  
 Bottom Hole Coordinates:  
 Ground Elevation: 1709.00ft  
 K.B. Elevation: 1718.00ft  
 Logged Interval: 2350.00ft To: 3350.00ft  
 Total Depth: 3350.00ft  
 Formation: Arbuckle  
 Drilling Fluid Type: Chemical/Fresh Water Gel

**OPERATOR**

Company: Gilbert-Stewart Operating, LLC  
 Address: 1801 Broadway  
 Suite 450  
 Denver, CO 80202  
 Contact Geologist: Scott Stewart  
 Contact Phone Nbr: 303.596.5510  
 Well Name: Lincoln #18  
 Location: 1900' FSL and 1830' FWL  
 Pool:  
 State: Kansas  
 API: 15-159-22778-0000  
 Field: Chase-Silica  
 Country: USA

**LOGGED BY**



Company: Valhalla Exploration, LLC  
 Address: 8100 E. 22nd St. North  
 Building 1800-2  
 Wichita, KS 67226  
 Phone Nbr: 316.655.3550  
 Logged By: Geologist  
 Name: Derek W. Patterson

**REMARKS**

After review of the geologic log, open hole electric logs, and negative DST results for the Lincoln #18, it was decided upon by operator to plug and abandon the well as a dry hole. Said well was plugged on May 5, 2014.

Note: DST intervals, drill time, gas curves, and lithology have all been shifted 1' shallow/higher to correspond with the electric log curves. All circulation and connection points have also been moved to match the overall shift.

The well samples were saved, submitted, and will be available for review at the Kansas Geologic Survey's Well Sample Library located in Wichita, KS.

Respectfully Submitted,

Derek W. Patterson

**GENERAL INFORMATION**

**Service Companies**

Drilling Contractor: Southwind Drilling - Ria #2

Drilling Fluid: Mud-Co/Service Mud Inc.

Tool Pusher: Bill Sanders  
 Daylight Driller: Travis Chism  
 Evening Driller: Tim Decker  
 Morning Driller: Shane Decker

Engineer: Rick Hughes

Logging Company: Pioneer Energy Services  
 Engineer: Robert Barnhart  
 Logs Ran: DI, CDNL, Micro, Sonic

Gas Detector: Bluestem Environmental  
 Engineer: Sidney Edelbrock  
 Unit: 0279  
 Operational By: 1100'

Testing Company: Superior Testers  
 Tester: Dustin Ellis

Deviation Survey	
Depth	Survey
263'	1°
2880'	1°
3102'	1 1/4°
3350' - RTD	1°

Pipe Strap	
Depth	Pipe Strap
3102'	4.28' Short to Board

Bit Record									
Bit #	Size	Make	Type	Serial Number	Depth In	Depth Out	Feet	Hours	
					0'	263'	263'	1.5	
1	12 1/4"	JZ	RT	RR	263'	3350'	3087'	65.75	
2	7 7/8"	JZ	HA20Q	RR					

Surface Casing	
4.28.2014	Ran 6 joints of new 23#/ft 8 5/8" casing, tallying 252', set @ 263' KB. Cemented with 200 sacks Common (3%CC, 2% gel). Cement did circulate. Plug down @ 2230 hrs 4.28.14. By Basic Energy Services.

### DAILY DRILLING REPORT

Date	0700 Hrs Depth	Previous 24 Hours of Operations
5.1.2014	2708'	Drilling and connections upper Pennsylvanian beds and into Topeka. Geologist Derek W. Patterson on location 2310 hrs 4.29.14. Reset Bloodhound, test system. Resume drilling and connections Topeka. Made 898' over past 24 hrs of operations. WOB: 30k RPM: 80 PP: 850 SPM: 58 DMC: \$3,072.95 CMC: \$3,431.75
5.2.2014	3078'	Drilling and connections Topeka, Heebner, Toronto, Douglas, and into Brown Lime. Stop @ 2880' for short trip. CTCH, run wireline survey (per rig's request), conduct 28 stand short trip, ream through final 3 stands back to bottom, CTCH. Resume drilling and connections Brown Lime and into Lansing-KC. Drilling and connections Lansing-KC. CFS @ 2933' (LKC 'B'). Resume drilling and connections Lansing-KC. CFS @ 2974' (LKC 'F'). Resume drilling Lansing-KC. CFS @ 2985' (LKC 'G'), CFS @ 2998' (LKC 'G'). Resume drilling and connections Lansing-KC. Made 370' over past 24 hrs of operations. WOB: 30-32k RPM: 80 PP: 850 SPM: 58 DMC: \$2,308.90 CMC: \$5,740.65
5.3.2014	3240'	Drilling and connections Lansing-KC. CFS @ 3102' (LKC 'J'). Shows warrant test. CTCH, drop survey, TOH for DST #1 1045 hrs 5.2.14. TIH with tool. Conduct DST #1, test pulled early due to lack of results, test successful. TIH with bit, CTCH. Resume drilling and connections following DST #1 1830 hrs 5.2.14. Drilling and connections Lansing-KC, Base Kansas City, Marmaton, Basal Penn Conglomerate, and into Arbuckle. CFS @ 3240' (Arb). Shows warrant test. CTCH, TOH for DST #2 0505 hrs 5.3.14. Made 162' over past 24 hrs of operations. WOB: 35k RPM: 80 PP: 800 SPM: 58 DMC: \$0.00 CMC: \$5,740.65
5.4.2014	3267'	TOH for DST #2. TIH with tool. Conduct DST #2, test successful. TIH with bit, CTCH. Resume drilling following DST #2 1530 hrs 5.3.14. Drilling Arbuckle. CFS @ 3247' (Arb). Shows warrant test. CTCH, TOH for DST #3 1735 hrs 5.3.14. TIH with tool. Conduct DST #3, test successful. TIH with bit, CTCH. Resume drilling following DST #3 0440 hrs 5.4.14. Drilling Arbuckle. CFS @ 3256' (Arb), CFS @ 3267' (Arb). Made 27' over past 24 hrs of operations. WOB: 33k RPM: 80 PP: 800 SPM: 58 DMC: \$700.60 CMC: \$6,441.25
5.5.2014	RTD - 3350' LTD - 3348'	CFS @ 3267' (Arb), CFS @ 3273' (Arb). Decision made to run test. CTCH, TOH for DST #4 0955 hrs 5.4.14. TIH with tool. Conduct DST #4, test successful. TIH with bit. Resume drilling following DST #4 1915 hrs 5.4.14. Drilling and connections Arbuckle ahead to RTD of 3350'. RTD reached 2230 hrs 5.4.14. CTCH to wait on loaders. Drop survey. TOH for open hole logging

operations 0500 hrs 5.5.14. Rig up loggers.  
 Made 83' over past 24 hrs of operations.  
 WOB: 33k RPM: 80 PP: 800 SPM: 58  
 DMC: \$0.00 CMC: \$6,441.25

5.6.2014

RTD - 3350'  
 LTD - 3348'

Conduct open hole logging operations. Decision made to perform straddle test across the Arbuckle.  
 Make up tool, TIH with tool. Geologist Derek W. Patterson off location 1345 hrs 5.5.14. Conduct  
 DST #5 (straddle), test successful. Orders received to plug and abandon the Lincoln #18 as a dry  
 hole. Said well was plugged on 5.5.14.  
 DMC: \$1,227.65 CMC: \$7,588.90

### WELL COMPARISON SHEET

Formation	Gilbert-Stewart Operating - Lincoln #18 Sec. 28 - T19S - R09W 1900' FSL & 1830' FWL 1718 KB				Comparison Well Petroleum Energy - Steffen 'A' #1 Sec. 28 - T19S - R09W 130' S E/2 NE SW Oil - Arbuckle 1708 KB				Comparison Well Carl Todd - Callis #1 Sec. 28 - T19S - R09W NE NE SW Oil - Arbuckle 1707 KB				Comparison Well Hawkins Oil - Purcell 'A' #4 Sec. 28 - T19S - R09W S/2 NW SE Oil - Arbuckle 1703 KB			
	Sample	Sub-Sea	Log	Sub-Sea	Sample	Sub-Sea	Sample	Log	Sample	Sub-Sea	Sample	Log	Log	Sub-Sea	Sample	Log
			Structural Relationship				Structural Relationship						Structural Relationship			
Topeka	2472	-754	2471	-753					2469	-762	8	9	2456	-753	-1	0
King Hill	2570	-852	2570	-852									2556	-853	1	1
Queen Hill	2651	-933	2650	-932									2638	-935	2	3
Heebner	2742	-1024	2742	-1024	2739	-1031	7	7	2742	-1035	11	11	2729	-1026	2	2
Toronto	2763	-1045	2762	-1044	2760	-1052	7	8					2750	-1047	2	3
Douglas	2772	-1054	2770	-1052	2768	-1060	6	8					2759	-1056	2	4
Brown Lime	2870	-1152	2869	-1151	2867	-1159	7	8	2870	-1163	11	12	2858	-1155	3	4
Lansing-Kansas City	2897	-1179	2897	-1179	2891	-1183	4	4	2895	-1188	9	9	2885	-1182	3	3
LKC 'B'	2918	-1200	2918	-1200									2907	-1204	4	4
LKC 'D'	2942	-1224	2941	-1223									2928	-1225	1	2
LKC 'F'	2965	-1247	2965	-1247									2952	-1249	2	2
LKC 'G'	2978	-1260	2976	-1258									2965	-1262	2	4
Muncie Creek	3036	-1318	3035	-1317									3021	-1318	0	1
LKC 'H'	3046	-1328	3043	-1325									3029	-1326	-2	1
LKC 'I'	3064	-1346	3063	-1345									3048	-1345	-1	0
LKC 'J'	3084	-1366	3083	-1365									3067	-1364	-2	-1
Stark	3109	-1391	3110	-1392									3095	-1392	1	0
LKC 'K'	3116	-1398	3116	-1398									3102	-1399	1	1
Hushpuckney	3140	-1422	3142	-1424									3126	-1423	1	-1
LKC 'L'	3145	-1427	3148	-1430									3133	-1430	3	0
Base Kansas City	3172	-1454	3170	-1452									3158	-1455	1	3
Marmaton	3175	-1457	3174	-1456									3161	-1458	1	2
Conglomerate	3208	-1490	3206	-1488					3207	-1500	10	12	3195	-1492	2	4
Arbuckle	3231	-1513	3228	-1510	3241	-1533	20	23	3241	-1534	21	24	3225	-1522	9	12
Total Depth	3350	-1632	3348	-1630	3285	-1577	-55	-53	3257	-1550	-82	-80	3237	-1534	-98	-96

Note: DST intervals have been shifted 1' shallow/higher to correspond with the electric log curves.

### ROCK TYPES

Congl	LMST2	SILTSTONE	SHALE GRN
DOL2	LMST3	SHALE BRN	SHALE GRA
LMST1	LMST4	SHALE CAR	SHALE RED

### ACCESSORIES

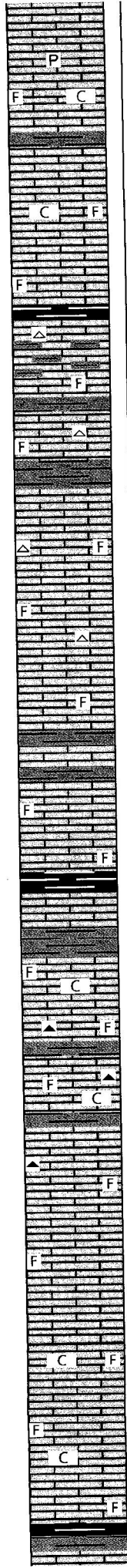
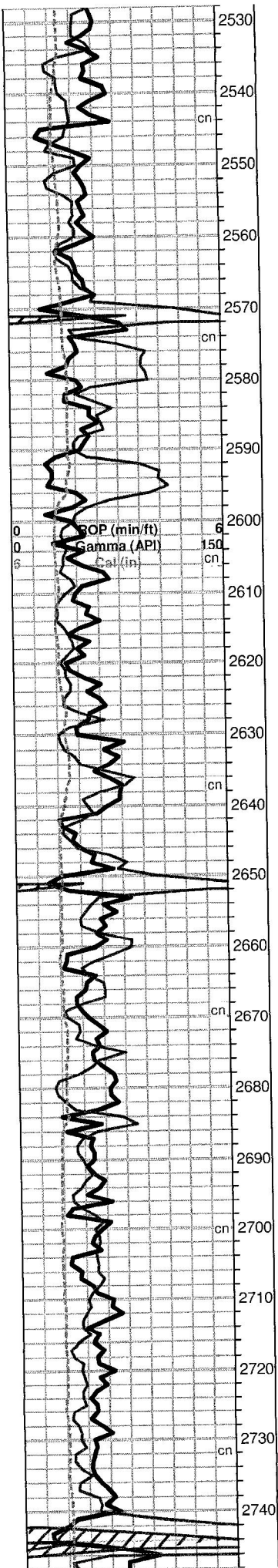
<b>MINERAL</b>	<b>FOSSIL</b>	<b>STRINGER</b>	<b>TEXTURE</b>
▲ Chert, dark	F Fossils < 20%	Limestone2	C Chalky
P Pyrite	◊ Oolite	Shale Gray	
• Silty	◊ Oomoldic	Shale Red	
△ Chert White			

### OTHER SYMBOLS

<b>MISC</b>	<b>DST</b>
Daily Report	DST1
Digital Photo	DST2
Document	DST3
Folder	Core
Link	tail pipe
Vertical Log File	
Horizontal Log File	
Core Log File	
Drill Cuttings Rpt	







Limestone: gray lt gray lt cream, dense matrix, some sub-chalky, micro-vfxln, fossiliferous to sub-fossiliferous, poor visible porosity, no shows, no fluorescence, with some loose scattered Pyrite nodules in sample.

Limestone: gray lt gray lt cream, dense matrix, some sub-chalky, micro-vfxln, fossiliferous to sub-fossiliferous, poor visible porosity, no shows, no fluorescence.

**KING HILL 2570' (-852')**

Shale: dk gray trace black carbonaceous, rounded, most soft, no gas show.

Limestone: cream gray, dense tight matrix, microxln, sub-fossiliferous to barren, poor visible porosity, no fluorescence, with scattered interbedded/stringers of Shale: gray dk gray, block to rounded, firm to soft and mushy, and scattered Chert: smokey gray, fresh and sharp, fossiliferous in part.

Limestone: gray lt gray cream, dense tight matrix, microxln, most fossiliferous, poor visible porosity, no shows, no fluorescence, with some continued scattered Chert as above.

Limestone: off white lt cream, dense xln matrix, vfxln, sub-fossiliferous, fair-poor interxln porosity with moderate 2ndary xln fill, no shows, no fluorescence.

**QUEEN HILL 2650' (-932')**

Shale: dk gray trace black carbonaceous, rounded, most soft, no gas show.

Limestone: off white lt cream, dense cherty to sub-friable chalky matrix, vfxln, most fossiliferous, fair interxln/pinpoint porosity, no shows, no fluorescence.

Limestone: cream lt cream off white lt gray, dense tight matrix, mostly sub-chalky with some dense xln, vi-microxln, scattered sub-fossiliferous, poor interxln porosity, no shows, no fluorescence, with abundant loose Chert: black, fresh and sharp.

Limestone: lt cream lt gray, dense cherty, micro-vfxln, fossiliferous, poor visible porosity, no shows, no fluorescence, with some loose scattered Chert: gray cream, fresh and sharp.

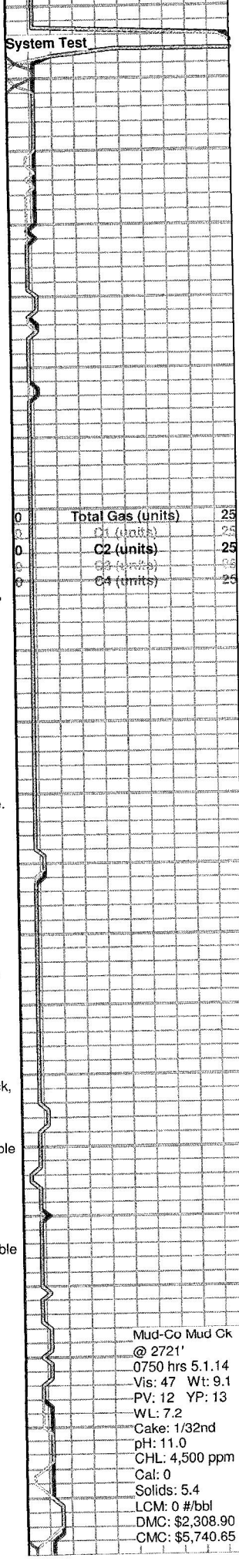
**Start 10' Wet & Dry Samples @ 2700'**

Limestone: lt cream lt gray, dense cherty, micro-vfxln, fossiliferous, poor visible porosity, no shows, no fluorescence, with some loose scattered Chert: gray cream, fresh and sharp.

Limestone: off white lt cream cream, dense sub-chalky to compact matrix, microxln, most sub-fossiliferous to fossiliferous, poor visible porosity, no shows, no fluorescence.

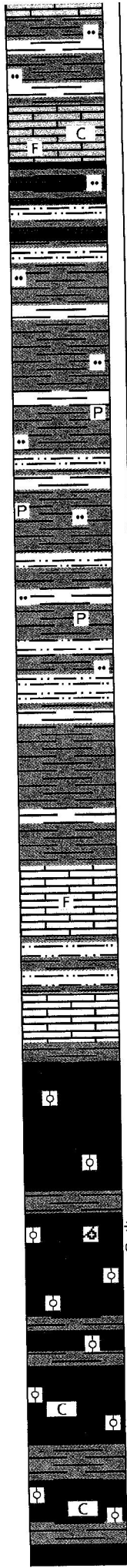
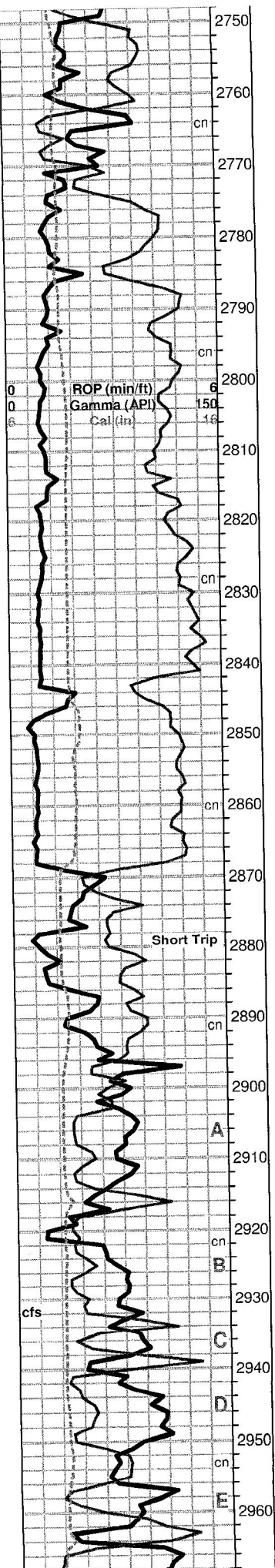
**HEEBNER 2742' (-1024')**

\* Shale: black dk gray, carbonaceous, blocky and firm, fair show gas upon break.



0	Total Gas (units)	25
0	C1 (units)	25
0	C2 (units)	25
0	C3 (units)	0.8
0	C4 (units)	25

Mud-Co Mud Ck @ 2721'  
 0750 hrs 5.1.14  
 Vis: 47 Wt: 9.1  
 PV: 12 YP: 13  
 WL: 7.2  
 Cake: 1/32nd  
 pH: 11.0  
 CHL: 4,500 ppm  
 Cal: 0  
 Solids: 5.4  
 LCM: 0 #/bbl  
 DMC: \$2,308.90  
 CMC: \$5,740.65



Shale: gray dk gray dk green, mostly rounded and soft, some silty in part.

**TORONTO 2762' (-1044')**

Limestone: off white lt cream, mostly dense sub-chalky matrix, microxn, sub-fossiliferous to barren, poor visible porosity, no shows, no fluorescence.

**DOUGLAS 2770 (-1052')**

Shale: brick red dk brown some gray, blocky to rounded, soft and mushy, with scattered Siltstone: gray lt gray, dense and blocky, vfgained, heavily micaceous, sample washes dk reddish-brown.

Shale: gray dk gray some dk green, blocky to rounded, most softer to mushy, some firm, silty, sample washes dk gray.

Shale: gray dk gray some dk green, blocky to rounded, soft to firm, very silty, some pyritic, with scattered Siltstone: gray lt gray, dense and blocky, vfgained, heavily micaceous, sample washes dk gray.

Shale: gray dk gray some dk green, blocky to rounded, soft to firm, very silty, some pyritic, with scattered Siltstone: gray lt gray, dense and blocky, vfgained, heavily micaceous, sample washes dk gray.

Shale: gray lt gray trace dk green, rounded and waxy, very soft and gummy, Siltstone drops out, sample washes lt gray.

**BROWN LIME 2869' (-1151')**

2879' cfs - Limestone: tan brown, very dense matrix, micro-cryptoxln, blocky, some scattered fossils, no visible porosity, no shows, no fluorescence.

Shale: gray dk gray, block to rounded, hard to soft, some silty/pyritic in part, with Siltstone: dk gray, dense and blocky, vfgained, heavily micaceous.

Limestone: gray brown, dense matrix, microxn, scattered sub-fossiliferous with most barren, no visible porosity, no shows, no fluorescence.

**LANSING-KANSAS CITY 2897' (-1179')**

Limestone: cream tan, dense tight xln matrix, microxn, scattered sub-fossiliferous to sub-oolitic, overall poor visible porosity, no shows, no fluorescence.

2932' cfs - Limestone: cream lt cream, sub-friable to dense matrix, vfxln, heavily oolitic with oolitic development, fair oomoldic/pinpoint porosity throughout, slight golden stain, fair-good show gas with minor oil show upon break, spotty lt yellow fluorescence, faint bluish-white cut, fair gassy odor.

Limestone: cream tan gray, dense tight matrix, heavily oolitic, poor visible porosity, no shows, no fluorescence.

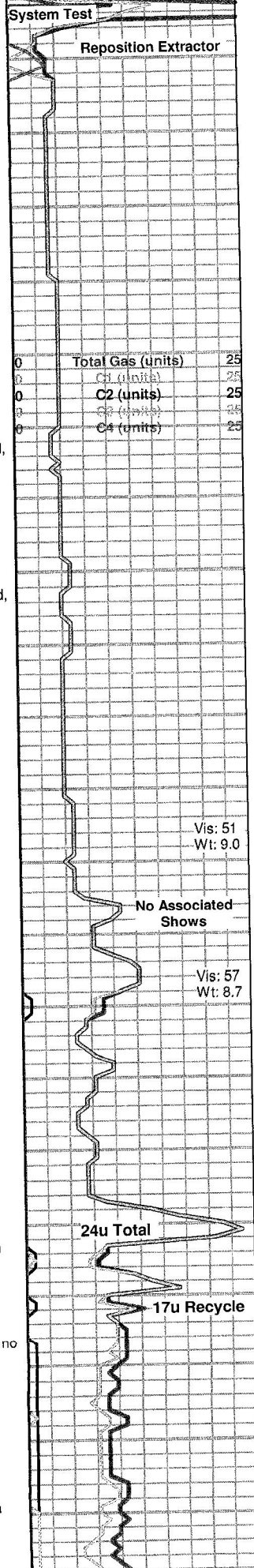
Limestone: tan gray, dense tight matrix, heavily oolitic, poor visible porosity, no shows, no fluorescence.

Limestone: cream tan gray, dense sub-chalky matrix, micro-vfxln, heavily oolitic, fair interoolitic porosity, no shows, no fluorescence, grading to Limestone: cream tan, dense cherty matrix, microxn, barren, no visible porosity, no shows, no fluorescence.

Shale: gray dk gray, blocky to rounded, softer.

Limestone: cream tan, dense chalky matrix, vfxln, heavily oolitic, fair interxn porosity, no shows, no fluorescence.

2973' cfs - Limestone: off white lt cream, dense tight sub-chalky to cherty



System Test

Reposition Extractor

0	Total Gas (units)	25
0	C1 (units)	25
0	C2 (units)	25
0	C3 (units)	25
0	C4 (units)	25

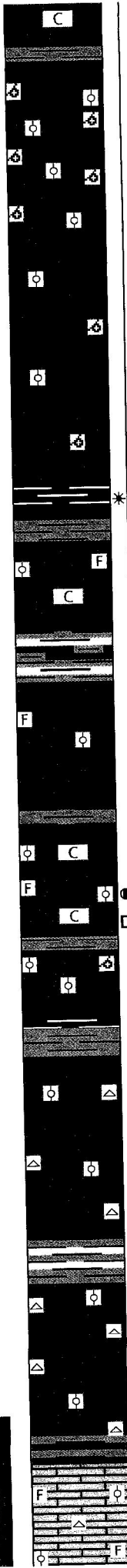
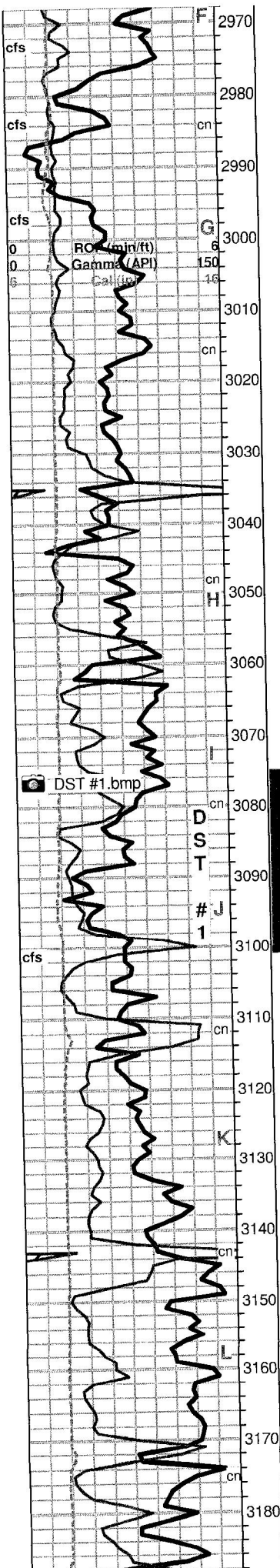
Vis: 51  
Wt: 9.0

No Associated Shows

Vis: 57  
Wt: 8.7

24u Total

17u Recycle



matrix, micro-cryptoxln, barren, no visible porosity, no shows, poor dull white mineral fluorescence, no cut.

2984' cfs - Limestone: tan lt brown, dense sub-friable matrix, vixln, oolitic with scattered fair oomoldic development and associated porosity, some 2ndary xln fill in porosity, no shows, no fluorescence

2997' cfs - Limestone: tan lt brown, dense sub-friable matrix, vixln, oolitic with good-excellent oomoldic development and associated porosity, fair amount of 2ndary xln within porosity, no shows, no fluorescence.

Limestone: tan cream, dense tight matrix, microxln, mostly barren with some scattered sub-oolitic, overall poor visible porosity with occasional poor vuggy/oomoldic porosity, no shows, no fluorescence.

Limestone: tan cream, dense tight matrix, microxln, mostly barren with some scattered sub-oolitic, overall poor visible porosity with occasional poor vuggy/oomoldic porosity, no shows, no fluorescence.

**MUNCIE CREEK 3035' (-1317')**

Shale: black, carbonaceous, blocky and firm, some waxy, poor-fair show gas upon break.

Shale: gray dk gray, blocky to rounded, mostly soft.

Limestone: cream lt cream lt tan, dense sub-chalky matrix, micro-vixln, fossiliferous in part with some sub-oolitic, overall poor interxln porosity, no shows, little-no mineral fluorescence, no cut.

Predominately Shale: gray dk gray pale green, blocky and firm, splintery to fissile, with some interbedded/stringers of Limestone.

Limestone: off white cream tan, dense matrix, microxln, scattered sub-fossiliferous to mostly barren, sub-oolitic in part, trace poor micro vug porosity with overall poor visible porosity, no shows, no fluorescence.

Limestone: off white cream tan, dense matrix, microxln, most barren, poor-no visible porosity, no shows, no fluorescence.

3101' cfs - Limestone: off white lt cream, dense to sub-friable chalky matrix, micro-vixln, most fossiliferous/bioclastic, fair-good vuggy/interfossiliferous porosity in most, very heavy dk brown oil saturation, some dead staining along edges and within porosity, fair-good show heavy dk stringy oil upon break, even spotty-even bright lt yellow fluorescence, streaming milky-white cut, no odor, with some loose Chalk in sample.

**STARK 3110' (-1392')**

Shale: trace black dk gray gray, some carbonaceous, blocky, firm, splintery to fissile, no gas show.

Limestone: lt cream cream tan, dense tight cherty xln matrix, microxln, most barren with trace sub-oolitic, some 2ndary xln along edges, overall poor-no visible porosity, no shows, no fluorescence.

Limestone: as above, no shows, with scattered Chert: cream tan, fresh and sharp, barren.

**HUSHPUCKNEY 3142' (-1424')**

Shale: gray dk gray trace dk green, blocky and firm, fissile to splintery.

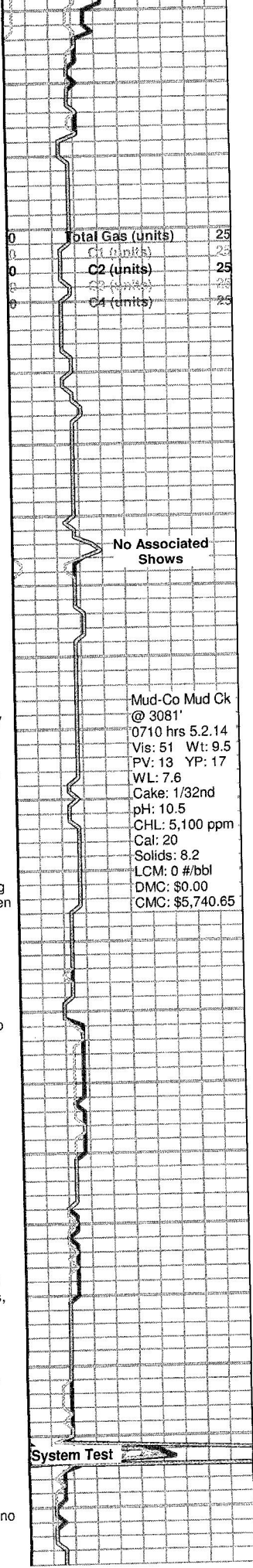
Limestone: cream lt cream tan, dense tight cherty xln matrix, microxln, most barren with occasional sub-oolitic, overall poor-no visible porosity, no shows, no fluorescence, with scattered Chert: cream lt cream, fresh and sharp, barren.

Limestone: cream lt off white cream, dense tight cherty xln matrix, microxln, most barren with occasional sub-oolitic, overall poor-no visible porosity, no shows, no fluorescence, with scattered Chert as above.

**BASE KANSAS CITY 3170' (-1452')**

**MARMATON 3174' (-1456')**

Limestone: gray lt gray cream lt cream, dense tight matrix, micro-vixln, fossiliferous/oolitic to barren, some cherty, poor visible porosity, no shows, no fluorescence.



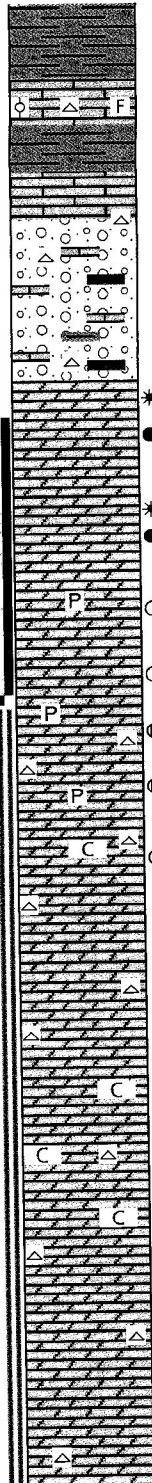
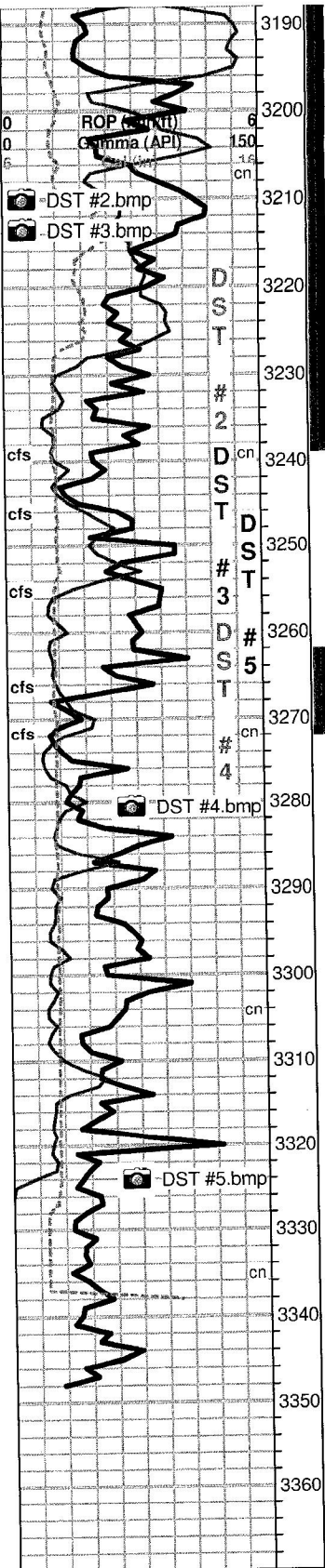
Total Gas (units)	25
C1 (units)	25
C2 (units)	25
C3 (units)	25
C4 (units)	25

No Associated Shows

Mud-Co Mud Ck @ 3081'  
 0710 hrs 5.2.14  
 Vis: 51 Wt: 9.5  
 PV: 13 YP: 17  
 WL: 7.6  
 Cake: 1/32nd  
 pH: 10.5  
 CHL: 5,100 ppm  
 Cal: 20  
 Solids: 8.2  
 LCM: 0 #/bbl  
 DMC: \$0.00  
 CMC: \$5,740.65

System Test





Shale: gray lt gray, blocky to slightly rounded, most soft/brittle.

Limestone: gray tan, dense tight matrix, micro-vfxln, fossiliferous/oolitic to barren, some cherty, poor visible porosity, no shows, no fluorescence.

**BASAL PENN CONGLOMERATE 3206' (-1488')**

Limestone: cream tan gray, dense tight matrix, vi-microxln, some scattered lithographic non-descript, fossiliferous/oolitic to barren, poor-no visible porosity, no shows, no fluorescence.

Conglomerate: mixed Limestone: as above, no shows, with Shale: gray dk gray brick red, mostly rounded and soft, some loose Clay, and scattered Chert: orange tan, opaque to translucent, fresh and sharp, barren, sample washes brownish-red.

**ARBUCKLE 3228' (-1510')**

3239' cfs (3228'-3239') - Dolomite: It cream lt tan, dense to sub-friable matrix, vf-fxln trace coarsexln, poor-good rhombic dev and associated porosity, ~50% carrying fair-good micro-vug/interxln porosity, spotty golden saturated stain, fair-good show golden brown oil and gas from porosity with increase under lamp, even bright whitish-yellow fluorescence, streaming milky-white cut, strong odor.

3246' cfs (3240'-3246') - Dolomite: It cream off white cream, sub-friable to friable matrix, vf-fxln, mixed sucrosic to sub-rhombic development, overall fair-good interxln porosity with scattered excellent vuggy porosity, spotty golden stain, fair-good show golden brown oil and gas upon break with increase under lamp, even bright whitish-yellow fluorescence, streaming milky-white cut, strong odor.

3255' cfs (3247'-3255') - Dolomite: cream lt cream, dense tight matrix, micro-vfxln, overall poor xln development and associated porosity, some Pyrite inclusions, few pieces with poor show golden brown oil upon break, even whitish-yellow fluorescence, very poor-no cut, strong odor.

3266' cfs (3256'-3266') - Dolomite: It cream tan, dense to scattered sub-friable matrix, vf-fxln, increase in xln development, overall fair-poor interxln porosity, increase in show rocks with about 5% carrying fair-good show golden brown oil upon break with increase under lamp, even whitish-yellow fluorescence, milky-white cut in show rocks, strong-moderate odor.

3272' cfs (3267'-3272') - Dolomite: cream lt cream, dense and tight as above grading to sub-friable matrix, vf-fxln, fair-good rhombic development and associated porosity, some vuggy porosity, scattered golden stain, fair-good show lt brown oil from porosity with increase upon break/under lamp, even bright-dull whitish fluorescence, milky-white cut in show rocks, strong odor, with influx Chert: white gray, opaque to translucent, fresh and sharp.

(3273'-3283') - Dolomite: as above, increase in chalk fill and pyrite inclusions, still carrying fair show lt brown oil in most pieces upon break, even lt-pale yellow fluorescence, bluish-white to white cut, strong odor, with scattered Chert as above.

(3284'-3301') - Dolomite: gray tan, dense tight matrix, microxln, most very poor xln development and associated porosity, no shows, even pale yellow mineral fluorescence, no cut, moderate odor, with continued scattered Chert.

(3302'-3319') - Dolomite: gray tan, dense tight matrix, vfxln, most very poor xln development and associated porosity, no shows, even pale yellow mineral fluorescence, no cut, moderate odor, with scattered Chert, and fair amount of loose Chalk.

(3320'-3337') - Dolomite: It cream cream, mostly dense matrix with some sub-friable, vf-fxln, fair rhombic development throughtout, fair-poor interxln porosity, no shows, even pale yellow mineral fluorescence, no cut, moderate odor, with Chert: white gray cream, opaque to translucent, fresh and sharp, and continued loose Chalk.

(3338'-3348') - Dolomite: gray tan, dense matrix, micro-fxln, mixed poor-fair xln development and associated porosity, no shows, even pale yellow mineral fluorescence, no cut, fair odor, with continued Chert and Chalk.

**LTD 3348' (-1630')**

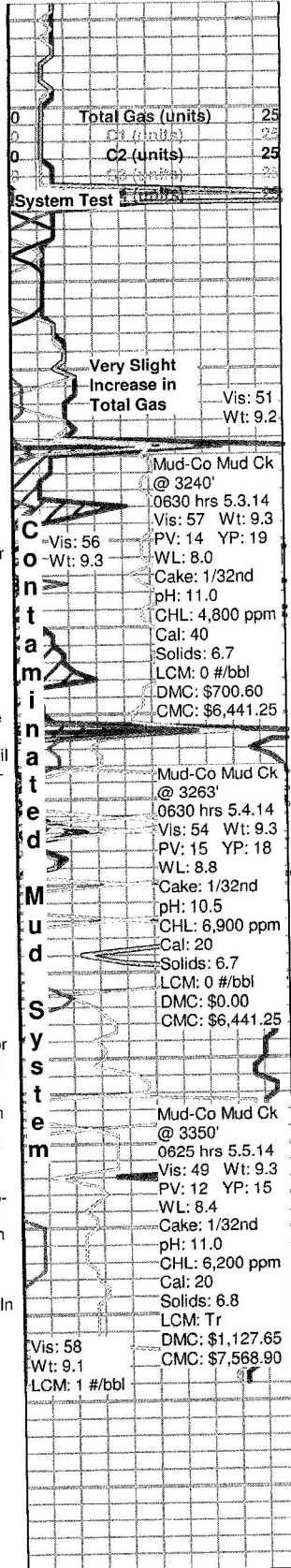
**RTD 3350' (-1632')**

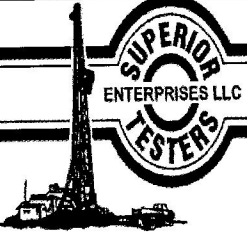
Geologist Derek W. Patterson Off Location 1345 hrs 5.5.14

Orders Received to Plug and Abandon Well As A Dry Hole

**Respectfully Submitted,**

*Derek W. Patterson*



	<b>DRILL STEM TEST REPORT</b>	
	Gilbert-Stewart Operating 1801 Broadway Ste 450 Denver Colorado 80202 ATTN: Derek Patterson	<b>28-19s-9w-Rice</b>  <b>Lincoln #18</b> Job Ticket: 18318 <b>DST#: 1</b> Test Start: 2014.05.02 @ 12:27:00

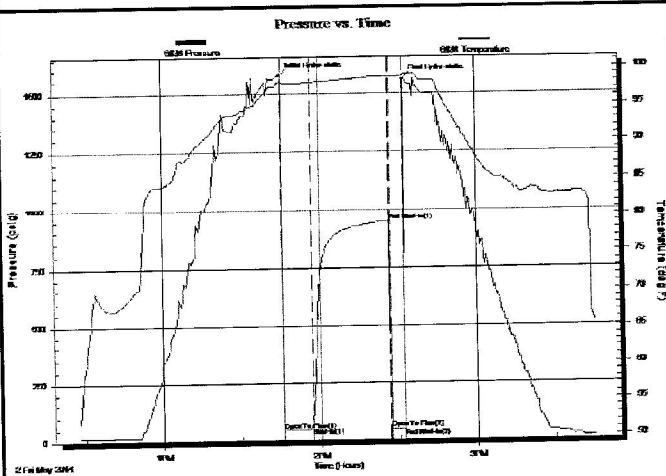
**GENERAL INFORMATION:**

Formation: <b>Lansing KC J</b>	Test Type: Conventional Bottom Hole (Initial)
Deviated: No Whipstock: ft (KB)	Tester: Dustin Ellis
Time Tool Opened: 13:46:00	Unit No: 3315-Great Bend-52
Time Test Ended: 15:45:00	Reference Elevations: 1718.00 ft (KB)
Interval: <b>3076.00 ft (KB) To 3102.00 ft (KB) (TVD)</b>	1709.00 ft (CF)
Total Depth: 3102.00 ft (KB) (TVD)	KB to GR/CF: 9.00 ft
Hole Diameter: 7.88 inches Hole Condition: Fair	

**Serial #: 6838**

Press@RunDepth: 52.59 psig @ ft (KB)	Capacity: 5000.00 psig
Start Date: 2014.05.02	End Date: 2014.05.02
Start Time: 12:27:00	End Time: 15:45:00
	Last Calib.: 2014.05.02
	Time On Btm: 2014.05.02 @ 13:45:30
	Time Off Btm: 2014.05.02 @ 14:32:30

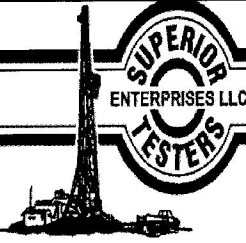
**TEST COMMENT:** 1st Open 10 minutes Very very weak surface blow through out.  
 1st Shut in 30 minutes No blow back.  
 2nd Open 10 minutes Dead -Pulled tool  
 2nd Shut in N-A



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1580.10	98.00	Initial Hydro-static
1	43.84	97.83	Open To Flow (1)
11	52.59	97.87	Shut-In(1)
41	945.37	98.75	End Shut-In(1)
42	47.01	98.66	Open To Flow (2)
47	47.76	98.70	End Shut-In(2)
47	1561.53	98.89	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
4.00	Slightly oil spect mud Mud 100%	0.06

Gas Rates			
	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

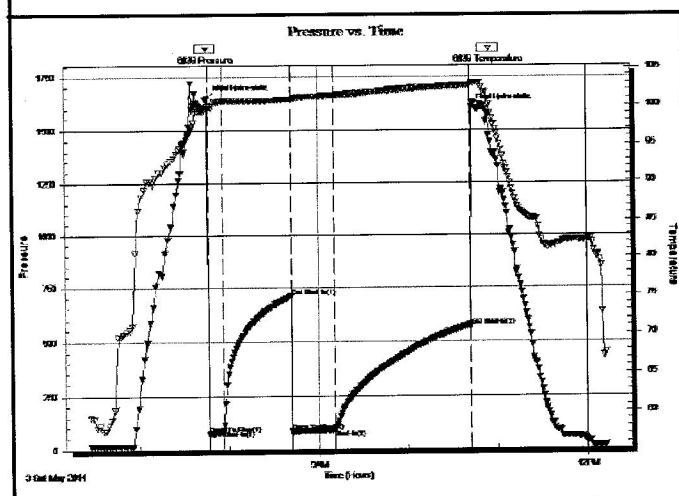
	<b>DRILL STEM TEST REPORT</b>	
	Gilbert-Stewart Operating  1801 Broadway Ste 450 Denver Colorado 80202  ATTN: Derek Patterson	<b>28-19s-9w-Rice</b>  <b>Lincoln #18</b> Job Ticket: 18319 <b>DST#: 2</b>  Test Start: 2014.05.03 @ 06:26:00

**GENERAL INFORMATION:**

Formation: <b>Arbuckle</b>	Test Type: Conventional Bottom Hole (Initial)
Deviated: No Whipstock: ft (KB)	Tester: Dustin Ellis
Time Tool Opened: 07:46:30	Unit No: 3315-Great Bend-52
Time Test Ended: 12:13:00	Reference Elevations: 1718.00 ft (KB)
Interval: <b>3170.00 ft (KB) To 3240.00 ft (KB) (TVD)</b>	1709.00 ft (CF)
Total Depth: 3240.00 ft (KB) (TVD)	KB to GR/CF: 9.00 ft
Hole Diameter: 7.88 inches Hole Condition: Fair	

<b>Serial #: 6839</b>	<b>Outside</b>	Capacity: 5000.00 psig
Press@RunDepth: 87.70 psig @ 3235.74 ft (KB)		Last Calib.: 2014.05.03
Start Date: 2014.05.03	End Date: 2014.05.03	Time On Btm: 2014.05.03 @ 07:45:30
Start Time: 06:27:00	End Time: 12:13:00	Time Off Btm: 2014.05.03 @ 10:42:30

**TEST COMMENT:** 1st Open 10 minutes Weak building blow built to 5 inches into a 5 gallon bucket of water.  
 1st Shut in 45 minutes No blow  
 2nd Open 30 minutes Weak building blow built to the bottom of the bucket in 26 minutes.  
 2nd Shut in 90 minutes Yes blow back

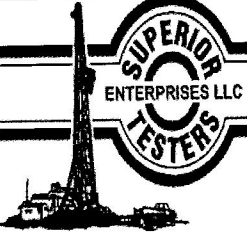


PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1647.45	99.90	Initial Hydro-static
1	71.61	99.67	Open To Flow (1)
11	88.65	100.60	Shut-In(1)
56	708.04	100.84	End Shut-In(1)
57	85.31	100.68	Open To Flow (2)
85	87.70	101.31	Shut-In(2)
177	568.31	102.63	End Shut-In(2)
177	1604.49	102.81	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
12.00	Clean gassy oil 100%	0.17
63.00	Gassy mud cut oil	0.88
0.00	Mud 50% Oil 15% Gas 35%	0.00
0.00	189 Gas in pipe	0.00

Gas Rates			
	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



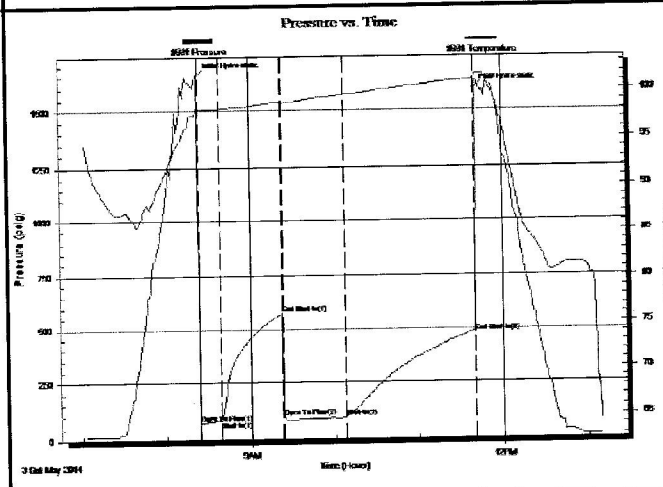
	<h2 style="margin: 0;">DRILL STEM TEST REPORT</h2>
Gilbert-Stewart Operating  1801 Broadway Ste 450 Denver Colorado 80202  ATTN: Derek Patterson	<b>28-19s-9w-Rice</b>  <b>Lincoln #18</b> Job Ticket: 18320 <b>DST#: 3</b>  Test Start: 2014.05.03 @ 07:02:00

**GENERAL INFORMATION:**

Formation: <b>Arbuckle</b>	Test Type: Conventional Bottom Hole (Initial)
Deviated: No Whipstock: ft (KB)	Tester: Dustin Ellis
Time Tool Opened: 08:24:00	Unit No: 3315-Great Bend-52
Time Test Ended: 13:10:00	Reference Elevations: 1718.00 ft (KB)
Interval: <b>3168.00 ft (KB) To 3247.00 ft (KB) (TVD)</b>	1709.00 ft (CF)
Total Depth: 3247.00 ft (KB) (TVD)	KB to GR/CF: 9.00 ft
Hole Diameter: 7.88 inches Hole Condition: Fair	

<b>Serial #: 8931</b>	<b>Outside</b>	Capacity: 5000.00 psig
Press@RunDepth: 92.68 psig @ 3242.66 ft (KB)		Last Calib.: 2014.05.04
Start Date: 2014.05.03	End Date: 2014.05.03	Time On Btm: 2014.05.03 @ 08:23:30
Start Time: 07:02:00	End Time: 13:10:00	Time Off Btm: 2014.05.03 @ 11:40:30

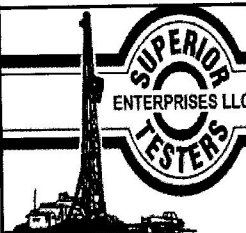
**TEST COMMENT:** 1st Open 15 minutes Weak building blow built to 6 inches into a 5 gallon bucket of water.  
 1st Shur in 45 minutes No blow back  
 2nd Open 45 minutes Weak building blow built to 10.5 inches into a 5 gallon bucket of water.  
 2nd Shut in 90 minutes No blow back



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1659.72	98.25	Initial Hydro-static
1	72.06	97.90	Open To Flow (1)
15	81.30	98.02	Shut-In(1)
60	576.11	98.77	End Shut-In(1)
60	96.18	98.48	Open To Flow (2)
104	92.68	99.48	Shut-In(2)
197	480.13	101.14	End Shut-In(2)
197	1597.03	101.42	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
4.00	Clean gassy oil 100%	0.06
63.00	Gassy mud cut oil	0.88
0.00	Mud 60% Oil 20% Gas 20%	0.00
0.00	180 Gas in pipe	0.00

Gas Rates			
	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

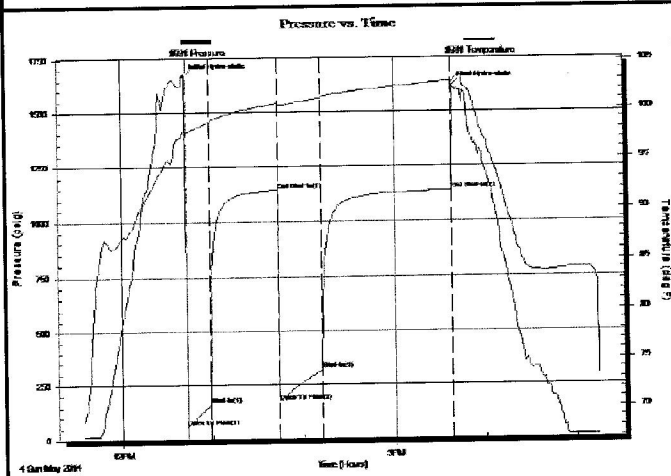
	<h2 style="margin:0;">DRILL STEM TEST REPORT</h2>	
	Gilbert-Stewart Operating 1801 Broadway Ste 450 Denver Colorado 80202 ATTN: Derek Patterson	<b>28-19s-9w-Rice</b>  <b>Lincoln #18</b> Job Ticket: 18321 <b>DST#:4</b> Test Start: 2014.05.04 @ 11:34:00

**GENERAL INFORMATION:**

Formation: <b>Arbuckle</b>	Test Type: Conventional Bottom Hole (Initial)
Deviated: No Whipstock: ft (KB)	Tester: Dustin Ellis
Time Tool Opened: 12:42:30	Unit No: 3315-Great Bend-52
Time Test Ended: 17:15:00	Reference Elevations: 1718.00 ft (KB)
Interval: <b>3263.00 ft (KB) To 3273.00 ft (KB) (TVD)</b>	1709.00 ft (CF)
Total Depth: 3273.00 ft (KB) (TVD)	KB to GR/CF: 9.00 ft
Hole Diameter: 7.88 inches Hole Condition: Fair	

<b>Serial #: 8931</b>	<b>Inside</b>	Capacity: 5000.00 psig
Press@RunDepth: 320.60 psig @ 3268.00 ft (KB)		Last Calib.: 2014.05.04
Start Date: 2014.05.04	End Date: 2014.05.04	Time On Btm: 2014.05.04 @ 12:42:00
Start Time: 11:34:00	End Time: 17:15:00	Time Off Btm: 2014.05.04 @ 15:38:30

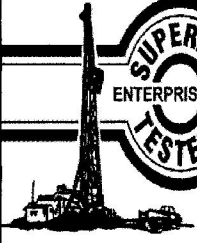
**TEST COMMENT:** 1st Open 15 minutes Strong building blow buit to the bottom of a 5 gallon bucket of w ater in 4 minutes.  
 1st Shut in 45 minutes No blow back  
 2nd Open 30 minutes Strong building blow buit to the bottom of a 5 gallon bucket of w ater in 6 minutes.  
 2nd Shut in 90 minutes No blow back



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1669.98	97.82	Initial Hydro-static
1	57.47	97.30	Open To Flow (1)
17	161.29	98.60	Shut-In(1)
62	1144.38	100.54	End Shut-In(1)
62	172.76	100.31	Open To Flow (2)
90	320.60	101.03	Shut-In(2)
176	1141.78	102.76	End Shut-In(2)
177	1619.58	102.84	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
2.00	Clean oil 100%	0.03
189.00	Muddy water mud 10% w ater90%	2.65
519.00	Water 100%	7.28
0.00	Chlorides 43,000 .3ohms@56degrees	0.00

Gas Rates			
	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

	<b>DRILL STEM TEST REPORT</b>	
	Gilbert-Stewart Operating  1801 Broadway Ste 450 Denver Colorado 80202  ATTN: Derek Patterson	<b>28-19s-9w-Rice</b>  <b>Lincoln #18</b> Job Ticket: 18322 <b>DST#: 5</b>  Test Start: 2014.05.05 @ 12:11:00

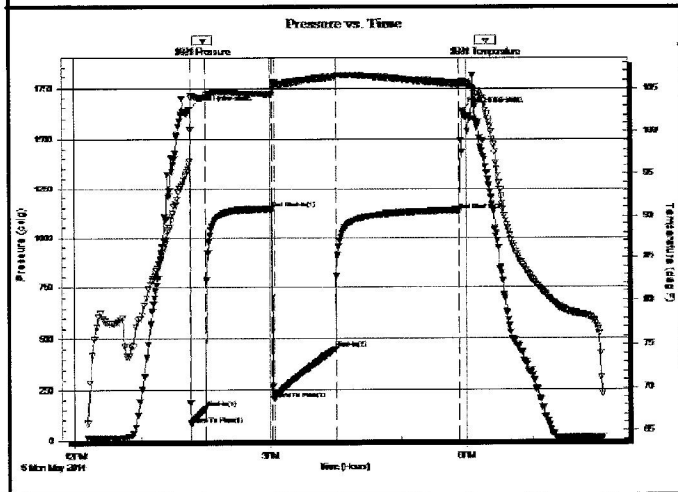
**GENERAL INFORMATION:**

Formation: <b>Arbuckle</b>	Test Type: Conventional Straddle (Initial)
Deviated: No Whipstock      ft (KB)	Tester: Dustin Ellis
Time Tool Opened: 13:47:00	Unit No: 3315-Great Bend-52
Time Test Ended: 20:04:30	Reference Elevations: 1718.00 ft (KB)
Interval: <b>3232.00 ft (KB) To 3263.00 ft (KB) (TVD)</b>	1709.00 ft (CF)
Total Depth: 3348.00 ft (KB) (TVD)	KB to GR/CF: 9.00 ft
Hole Diameter: 7.88 inches	Hole Condition: Fair

**Serial #: 8931**

Press@RunDepth: 450.31 psig @      ft (KB)	Capacity: 5000.00 psig
Start Date: 2014.05.05      End Date: 2014.05.05	Last Calib.: 2014.05.05
Start Time: 12:11:00      End Time: 20:04:30	Time On Btm: 2014.05.05 @ 13:46:00
	Time Off Btm: 2014.05.05 @ 17:56:00

**TEST COMMENT:** 1st Open 15 minutes Strong building blow built to the bottom of a 5 gallon bucket of water in 3 minutes.  
 1st Shut in 60 minutes No blow back  
 2nd Open 60 minutes Strong building blow built to the bottom of a 5 gallon bucket of water in 2 minutes.  
 2nd Shut in 120 minutes Yes blow back



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1648.26	96.46	Initial Hydro-static
1	82.00	103.80	Open To Flow (1)
15	161.70	104.03	Shut-In(1)
76	1148.12	104.31	End Shut-In(1)
77	206.09	105.49	Open To Flow (2)
134	450.31	106.31	Shut-In(2)
248	1139.06	105.54	End Shut-In(2)
250	1640.19	105.71	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
5.00	Free clean oil 100%	0.07
504.00	Oil cut mud 10%Oil 90% Mud	7.07
126.00	Oil cut mud with oil cut w ater	1.77
0.00	Oil 1% Mud69% Water30%	0.00
315.00	Water 99%w ater 1%Oil	4.42
0.00	126 gas in pipe	0.00

Gas Rates			
	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)