KOLAR Document ID: 1371007

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 #	API No.:
Name:	Spot Description:
Address 1:	SecTwpS. R East _ West
Address 2:	Feet from North / South Line of Section
City: State: Zip:+	Feet from
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	□NE □NW □SE □SW
CONTRACTOR: License #	GPS Location: Lat:, Long:
Name:	Datum: NAD27 NAD83 WGS84
Wellsite Geologist:	County:
Purchaser:	·
Designate Type of Completion:	Lease Name: Well #:
☐ New Well ☐ Re-Entry ☐ Workover	Field Name:
☐ Oil ☐ WSW ☐ SWD ☐ Gas ☐ DH ☐ EOR	Producing Formation: Kelly Bushing: Elevation: Ground: Kelly Bushing: Total Vertical Depth: Plug Back Total Depth:
☐ OG ☐ GSW	Amount of Surface Pipe Set and Cemented at: Feet
CM (Coal Bed Methane)	Multiple Stage Cementing Collar Used? Yes No
Cathodic Other (Core, Expl., etc.):	If yes, show depth set: Feet
If Workover/Re-entry: Old Well Info as follows:	If Alternate II completion, cement circulated from:
Operator:	•
Well Name:	feet depth to:w/sx cmt.
Original Comp. Date: Original Total Depth: Deepening Re-perf. Conv. to EOR Conv. to SWD Plug Back Liner Conv. to GSW Conv. to Producer	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
Commingled Permit #:	Chloride content: ppm Fluid volume: bbls
Dual Completion Permit #:	Dewatering method used:
SWD Permit #:	Location of fluid disposal if hauled offsite:
EOR Permit #:	Operator Name:
GSW Permit #:	Lease Name: License #:
	Quarter Sec TwpS. R East West
Spud Date or Date Reached TD Completion Date or Recompletion Date	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 Approved by: Date:					

KOLAR Document ID: 1371007

Page Two

Operator Name: _				Lease Name:			Well #:	
Sec Twp.	S. R.	E	ast West	County:				
	flowing and shu	ut-in pressures, v	vhether shut-in pre	ssure reached st	atic level, hydrosta	tic pressures, bot		val tested, time tool erature, fluid recovery,
Final Radioactivity files must be subm						iled to kcc-well-lo	gs@kcc.ks.gov	v. Digital electronic log
Drill Stem Tests Ta			Yes No			on (Top), Depth ar		Sample
Samples Sent to 0	Geological Surv	/ey	Yes No	Na	me		Тор	Datum
Cores Taken Electric Log Run Geologist Report / List All E. Logs Ru	_		Yes No Yes No Yes No					
		B	CASING eport all strings set-c		New Used	ion, etc.		
Purpose of Strir		Hole illed	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
			ADDITIONAL	CEMENTING / SO	UEEZE RECORD			
l lop Bottom			ype of Cement	# Sacks Used	ed Type and Percent Additives			
Perforate Protect Casi Plug Back T								
Plug Off Zor								
Did you perform a Does the volume Was the hydraulic	of the total base f	fluid of the hydrauli		_	=	No (If No, sk	ip questions 2 an ip question 3) out Page Three	,
Date of first Product Injection:	tion/Injection or R	esumed Production	Producing Meth	nod:	Gas Lift 0	Other (Explain)		
Estimated Production Per 24 Hours	on	Oil Bbls.					Gas-Oil Ratio	Gravity
DISPOS	SITION OF GAS:		N	METHOD OF COMP	LETION:			DN INTERVAL: Bottom
	Sold Used	I on Lease	Open Hole			mmingled mit ACO-4)	Тор	BOROTT
,	,			B.11 B1				
Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid,	Fracture, Shot, Cer (Amount and Kind	menting Squeeze I of Material Used)	Record
TUBING RECORD:	: Size:	Set	Δ+-	Packer At:				
TODING RECORD:	. 3126.	Set	n.	i donei Al.				

Form	ACO1 - Well Completion
Operator	Mull Drilling Company, Inc.
Well Name	BLOOM 1-3
Doc ID	1371007

All Electric Logs Run

CDL/CNL/PE	
DIL	
MEL	
Sonic	

Form	ACO1 - Well Completion	
Operator	Mull Drilling Company, Inc.	
Well Name	BLOOM 1-3	
Doc ID	1371007	

Tops

Name	Тор	Datum
Anhydrite	2545	+ 463
B/Anhydrite	2574	+ 434
Heebner Shale	4020	- 1012
Lansing	4062	- 1054
Stark Shale	4284	- 1276
B/KC	4346	- 1338
Marmaton	4375	- 1367
Pawnee	4466	- 1458
Fort Scott	4532	- 1524
Cherokee Shale	4560	- 1552
Cherokee Sand	4614	- 1606
Mississippian	4646	- 1638

Form	ACO1 - Well Completion
Operator	Mull Drilling Company, Inc.
Well Name	BLOOM 1-3
Doc ID	1371007

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Type and Percent Additives
Surface	12.250	8.625	23	260	Common	3% cc, 2% gel



8423

LOCATION OGLAN US
FOREMAN MILES Shaw

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

riELD TICKET & TREATMENT REPORT INVIA #810699

020-431-9210 01 800-401-8016			CI	CEMENT			Month Property Me		
DATE	CUSTOMER#	WELL	NAME & NUMBER		SECTION	TOWNSHIP	RANGE	COUNTY	
7-7-17	5459	Blown	1-3		3	115	3/W	Love	
CUSTOMER	11/11/11	•	Kan	4515					
111111111111111111111111111111111111111	14/10/11/11	45		- 1	TRUCK#	DRIVER	TRUCK#	DRIVER	
MAILING ADDRI		+ Bobun	4. Bldg. 1200	1 11/2	7310	miles 5			
		1 INCLUAN		Into	479	Stron O			
Wichit?	V	STATE KS	7206-663	7					
	<u> </u>						L		
JOB TYPE JU	- Q P		Z'/4" HOLE	E DEPTH	266'	CASING SIZE & V	VEIGHT \$5/8	2 2 # #	
CASING DEPTH	240'	DRILL PIPE	TUBI	NG			OTHER	•	
SLURRY WEIGH		SLURRY VOL_	1.36 WATI	ER gal/sk		CEMENT LEFT in		,	
DISPLACEMENT	r_15.256B	DISPLACEMENT				RATE			
REMARKS: Sefely meeting and resupon is					D rin	Circulate Lasias Miny 1905x			
C' A						Circulate	Lasins Mi	1905x	
Surface bl	end # Cra	33 Alene	nd W/ 3% Calc	run ?	2852 dx	1915 15/4	WK 144	_	
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						1816416S	11/8/6	(1601	
ACCOUNT CODE	QUANITY	or UNITS	DESCRIP	TION of S	SERVICES or PRO	DDUCT	UNIT PRICE	TOTAL	
0							1		

	ACCOUNT	QUANITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	LINET PRIOR	TOTAL
-	CODE	,		UNIT PRICE	TOTAL
	(F0471		PUMP CHARGE	1150 in	1130.00
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Company, Inc

Lease: Bloom # 1-3

Mobile: 620-617-7261 Email: ray.dtllc@gmail.com

Telephone: 316-522-7338 Mobile: 316-706-6636

Email: kkessler1199@aol.com

SEC: 3 TWN: 11S RNG: 31W

County: GOVE State: Kansas

Drilling Contractor: WW Drilling, LLC -

Rig 4

Elevation: 3003 GL Field Name: Wildcat Pool: Unnamed Job Number: 17

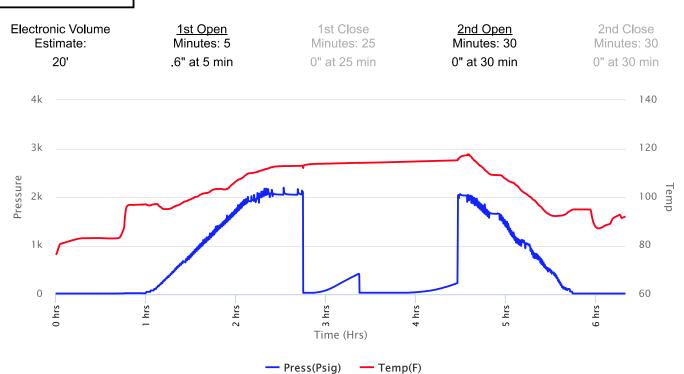
DATE	
July	
12	
2017	

DST #1 Formation: Lans I/J Test Interval: 4220 - Total Depth: 4285'

4285'

Time On: 10:07 07/12 Time Off: 16:16 07/12

Time On Bottom: 12:47 07/12 Time Off Bottom: 14:22 07/12





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DATE	
July	
12	
2017	

DST #1 Formation: Lans I/J Test Interval: 4220 - Total Depth: 4285'

Time On Bottom: 12:47 07/12 Time Off Bottom: 14:22 07/12

Recovered

<u>Foot</u>	<u>BBLS</u>	Description of Fluid	<u>Gas %</u>	<u>Oil %</u>	Water %	<u>Mud %</u>
5	0.0246	M	0	0	0	100

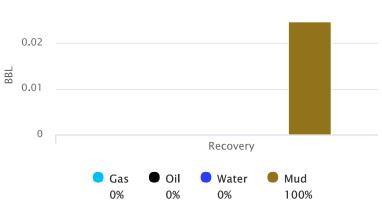
Total Recovered: 5 ft

Total Barrels Recovered: 0.0246

Reversed Out	
NO	

Initial Hydrostatic Pressure	2053	PSI
Initial Flow	28 to 27	PSI
Initial Closed in Pressure	421	PSI
Final Flow Pressure	29 to 31	PSI
Final Closed in Pressure	230	PSI
Final Hydrostatic Pressure	2055	PSI
Temperature	116	°F
Pressure Change Initial	45.5	%
Close / Final Close		

Recovery at a glance





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Rig 4

Elevation: 3003 GL Field Name: Wildcat Pool: Unnamed Job Number: 17

DATE

July

12 2017

REMARKS:

Tool Sample: 100% M

DST #1 Formation: Lans I/J Test Interval: 4220 - Total Depth: 4285'

4285'

Time On: 10:07 07/12 Time Off: 16:16 07/12

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Rig 4

Elevation: 3003 GL Field Name: Wildcat Pool: Unnamed Job Number: 17

DATE

July 12 2017 **DST #1** Formation: Lans I/J Total Depth: 4285' Test Interval: 4220 -

4285'

Time On: 10:07 07/12 Time Off: 16:16 07/12

Time On Bottom: 12:47 07/12 Time Off Bottom: 14:22 07/12

Down Hole Makeup

Heads Up: 27.15 FT Packer 1: 4214.73 FT

Drill Pipe: 4095.98 FT Packer 2: 4219.73 FT

ID-3 1/2 Top Recorder: 4204.15 FT

Weight Pipe: FT 4258 FT

Bottom Recorder: ID-2 7/8

Well Bore Size: 7.875 Collars: 118.33 FT

ID-2 1/4 **Surface Choke:** 1"

Bottom Choke: 5/8" **Test Tool:** 33.57 FT

ID-3 1/2-FH

Jars

Safety Joint

Total Anchor: 65.27

Anchor Makeup

Packer Sub: 1 FT

Perforations: (top): 3 FT

4 1/2-FH

Change Over: .5 FT

Drill Pipe: (in anchor): 31.77 FT

ID-3 1/2

Change Over: 1 FT

Perforations: (below): 28 FT

4 1/2-FH



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Rig 4

Elevation: 3003 GL Field Name: Wildcat Pool: Unnamed Job Number: 17

DATE July 12

2017

DST #1 Formation: Lans I/J T

Test Interval: 4220 -

Total Depth: 4285'

4285'

Time On Bottom: 12:47 07/12 Time Off Bottom: 14:22 07/12

Mud Properties

Mud Type: Chem Weight: 9 Viscosity: 57 Filtrate: 6.4 Chlorides: 2000 ppm



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Rig 4

Elevation: 3003 GL Field Name: Wildcat Pool: Unnamed Job Number: 17

<u>DATE</u> July

12

2017

DST #1 Formation: Lans I/J

Test Interval: 4220 -

Total Depth: 4285'

4285'

Time On: 10:07 07/12

Time Off: 16:16 07/12

Time On Bottom: 12:47 07/12 Time Off Bottom: 14:22 07/12

Gas Volume Report

1st Open 2nd Open

Time Orifice PSI MCF/D	Time	Orifice	PSI	MCF/D
------------------------	------	---------	-----	-------



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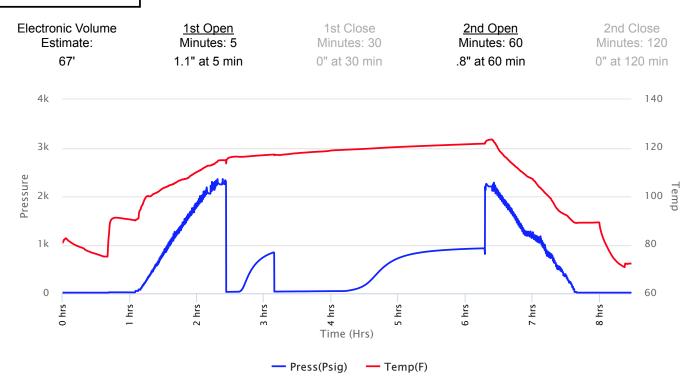
Rig 4

Elevation: 3003 GL Field Name: Wildcat Pool: Unnamed Job Number: 17

<u>DATE</u> July **14** 2017 DST #2 Formation: Test Interval: 4550 - Total Depth: 4645' Cherokee Sand 4645'

Time On: 23:06 07/13 Time Off: 07:19 07/14

Time On Bottom: 01:28 07/14 Time Off Bottom: 06:03 07/14





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Email: kkessler1199@aol.com

SEC: 3 TWN: 11S RNG: 31W

Total Depth: 4645'

County: GOVE State: Kansas

Drilling Contractor: WW Drilling, LLC -

Rig 4

Elevation: 3003 GL Field Name: Wildcat Pool: Unnamed Job Number: 17

DATE	
July	
14	
2017	

Total Recovered: 40 ft

DST #2 Formation: Test Interval: 4550 - Cherokee Sand 4645'

Time On: 23:06 07/13 Time Off: 07:19 07/14

Time On Bottom: 01:28 07/14 Time Off Bottom: 06:03 07/14

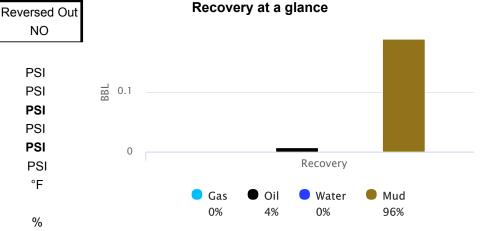
Recovered

Close / Final Close

 Foot
 BBLS
 Description of Fluid
 Gas %
 Oil %
 Water %
 Mud %

 40
 0.1968
 SLOCM
 0
 4
 0
 96

Total Barrels Recovered: 0.1968 NO Initial Hydrostatic Pressure 2243 **PSI** Initial Flow 28 to 33 **PSI Initial Closed in Pressure** 846 **PSI** Final Flow Pressure PSI 35 to 47 **Final Closed in Pressure** 929 PSI Final Hydrostatic Pressure **PSI** 2245 °F Temperature 122 Pressure Change Initial 0.0 %





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County: GOVE State: Kansas

Drilling Contractor: WW Drilling, LLC -

Rig 4

Elevation: 3003 GL Field Name: Wildcat Pool: Unnamed Job Number: 17

DATE July 14 2017

REMARKS:

Tool sample: 10% O 90% M

Total Depth: 4645' **DST #2** Formation: Test Interval: 4550 -**Cherokee Sand** 4645'

Time On: 23:06 07/13 Time Off: 07:19 07/14

Time On Bottom: 01:28 07/14 Time Off Bottom: 06:03 07/14



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Email: kkessler1199@aol.com

SEC: 3 TWN: 11S RNG: 31W

County: GOVE State: Kansas

Drilling Contractor: WW Drilling, LLC -

Rig 4

Elevation: 3003 GL Field Name: Wildcat Pool: Unnamed Job Number: 17

July 14

2017

DST #2 Formation: Cherokee Sand Test Interval: 4550 -

Total Depth: 4645'

4645'

Time On: 23:06 07/13

Time Off: 07:19 07/14

Time On Bottom: 01:28 07/14 Time Off Bottom: 06:03 07/14

Down Hole Makeup

Heads Up: 14.04 FT

Packer 1: 4545.24 FT

Drill Pipe: 4413.38 FT

Packer 2: 4550.24 FT

5/8"

ID-3 1/2

Top Recorder: 4534.66 FT

Weight Pipe: 0 FT

Bottom Recorder: 0 FT

ID-2 7/8

Well Bore Size: 7.875

Collars: 118.33 FT

...

ID-2 1/4

Surface Choke: 1"

Bottom Choke:

Test Tool: 33.57 FT

ID-3 1/2-FH

Jars

Safety Joint

Total Anchor: 94.76

Anchor Makeup

Packer Sub: 1 FT

Perforations: (top): 3 FT

4 1/2-FH

Change Over: .5 FT

Drill Pipe: (in anchor): 63.26 FT

ID-3 1/2

Change Over: 1 FT

Perforations: (below): 26 FT

4 1/2-FH



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Rig 4

Elevation: 3003 GL Field Name: Wildcat Pool: Unnamed Job Number: 17

DATE July 14

2017

DST #2 Formation: Cherokee Sand Test Interval: 4550 - Total Depth: 4645'

4645'

Time On: 23:06 07/13 Time Off: 07:19 07/14

Time On Bottom: 01:28 07/14 Time Off Bottom: 06:03 07/14

Mud Properties

Mud Type: Chem Weight: 9.1 Viscosity: 61 Filtrate: 8.8 Chlorides: 2400 ppm



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County: GOVE State: Kansas

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Rig 4

Elevation: 3003 GL Field Name: Wildcat Pool: Unnamed Job Number: 17

DATE
July
14
2017

DST #2

Formation: Cherokee Sand

Test Interval: 4550 -

Total Depth: 4645'

4645'

Time On: 23:06 07/13

Time Off: 07:19 07/14

Time On Bottom: 01:28 07/14 Time Off Bottom: 06:03 07/14

Gas Volume Report

1st Open 2nd Open

	Time	Orifice	PSI	MCF/D		Time	Orifice	PSI	MCF/D
--	------	---------	-----	-------	--	------	---------	-----	-------

KEVIN L. KESSLER CONSULTING PETROLEUM GEOLOGIST (316) 522 - 7338 **ELEVATION OPERATOR:** MULL DRILLING CO. INC. LEASE: BLOOM **KB**: 3008' **WELL #:** 1-3 **LOCATION**: 2382' FNL & 2128' FWL **GL**: 3004' **SEC**: 03 **TWP**: 11 S **RGE**: 31 W MEASURMENTS FROM: COUNTY: GOVE **STATE:** KANSAS KB CONTRACTOR: W W DRILLING RIG # 2 CASING RECORD: SURFACE: COMM: 07 - 07 - 2017 COMP: 07 - 14 - 2017 8 5/8" @ 260' LTD: 4701' RTD: 4700' PRODUCTION: GEOLOGICAL SUPERVISION FROM: 3800' TO: RTD NONE SAMPLES SAVED FROM: 3800' TO: RTD SAMPLE DATUM TOP LOG DATUM COMP. FORMATION: **ELECTRICAL SURVEYS:** DIL 4022 HEEBNER 4022 - 1014 - 1014 - 14 CNL / CDL - 06 4062 LANSING - 1054 4062 - 1054 **MICRO** 4284 STARK 4284 - 14 - 1276 - 1276 SONIC BASE/ KC - 1338 4346 - 1338 - 18 4346 FORT SCOTT 4530 - 1522 - 1522 4530 - 12 CHEROKEE 4561 - 1553 4561 - 1553 - 15 MISSISSIPPI 4642 - 1634 4642 - 22 - 1634 REFERENCE WELL FOR STRUCTURAL COMPARISON: ABERCROMBIE # 1 BLOOM B 02 - 11 S - 31 W GOVE CO. KS. 3800 -LST: CRM - WHT - TAN FXTAL SUBCHKY -CHKY ARENACEOUS IN PART SLI FOSS FR AMT GRAY SILTY SHALE NO VIS. POR. NSO MUD CHECK@ 3823 \/\T' · 9 1 LST: CRM - GRAY FXTAL SUBCHKY -DNSE SLI FOSS. MINOR GRAY SHALE NO VIS. POR. NSO 3850 -SHALE: GRAY SILTY SANDY NO VIS. POR.NSO LST: CRM - GRAY FXTAL ARENACEOUS IN PART SLI FOSS NO VIS. POR. NSO LST: CRM - TAN - BRN FXTAL SUBCHKY -CHKY AREN. IN PART MINOR FOSS. OOLITIC IN PART PRIVIS. INTERPRT. POR. NSO 3900 SHALE: BLK CARB. W/ LST. A. A. NO VIS. POR. NSO 0 LST: CRM - TAN FXTAL SOFT CHKY 0 OOLITIC AREN. IN PART NO VIS. POR. 0 LST: CRM - GAY FXTAL SUBCHKY - DNSE SLI FOSS. MINOR OOLITES AREN. IN 3950 PART FR AMT. GRAY SILTY SHALE NO VIS. POR. NSO LST: CRM - GRAY A . . A ABUND GRAY -DRK GRAY CALC. SHALE NO VIS. POR. MUD CHECK @ 3980 NSO SHALE: BLK CARB. NO VIS. POR. NSO WT: 9.1 LST: CRM - TAN FXTAL SOFT CHKY FLAGGY IN PART SLI FOSS, FR AMT. GRAY SHALE NO VIS. POR. NSO 4000 LST: CRM - TAN FXTAL SUBCHKY - DNSE SLI FOSS. OOLITIC IN PART MINOR GRAY SHALE NO VIS. POR. NSO SHALE: BLK CARB. W/ DNSE MOTTLED LST. NO VIS. POR. NSO MUD CHE CK@ 4030 SHALE: GRAY GREEN SILTY NO VIS. M/T - 9.1 POR. NSO LST: WHT - CRM FXTAL MOST DNSE HARD SLI CHERTY W/ WHT - GRAY 4050 FRESH CHERT SLI FOSS NO VIS. POR. SHALE: GRAY CALC, NO VIS, POR, NSO LST: WHT - CRM FXTAL SUBCHKY -DNSE OOLITIC SLI FOSS. FR INTRPRT. POR. NSO LST: WHT - CRM FXTAL DNSR BLOCKY NO VIS. POR. NSO SHALE: GRAY SILTY NO VIS. POR. NSO 4100 LST: CRM - GRAY FXTAL DNSE SLI FOSS. NO VIS. POR. NSO SHALE: GRAY - DRK GRAY CALC. NO VIS. POR. NSO LST: CRM - GRAY - WHT FXTAL SUBCHKY - MOSTLY DNSE FOSS. IN PART NO VIS. POR. NSO LST: A. A. DNSE BLOCKY NO VIS. POR. SHALE: GRAY SILTY W/ FR AMT FLAGGY BRITTLE LST. CRM - GRAY NO VIS. POR. 4150 LST: WHT - CRM - GRAY FXTAL SUBCHY - DNSE FOSS. IN PART NO VIS. POR. MUD CHECK @ 4160 SHALE: GRAY NO VIS. POR. NSO WT: 9.4 LST: CRM - GRAY DNSE BLOCKY RARE FOSS. NO VIS. POR. NSO LST: CRM - GRAY A. A. NO VIS. POR. NSO 4200 -SHALE: BLK CARB. W/ DNSE GRAY MOTTLED LST. NO VIS. POR. NSO SHALE: GRAY - GREEN CALC. NO VIS. POR. NSO 220 - 4285) DST # 1 (/ 5' Mt LST: WHT - CRM FXTAL SUBCHKY -28 . 2 DNSE BLOCKY IN PART MINOR FOSS. 421# NO VIS. POR. NSO FFP: 29 -FSIP: 230# SHALE: BLK CARB. W/ DNSE HARD GRAY LST. FR AMT GRAY SILTY SHALE NO VIS. POR. NSO LST: WHT - CRM - GRAY FXTAL DS SUBCHKY - DNSE FOSS. IN PART 1 - 2 4250 MUD CHECK @ 4250 PCS W/ SPTY LT BRN STN VRY SLI ODOR VIS: 60 WT: 9.3 NSFO VRY PR. VUGGY POR. SHALE: GRAY - DRK GRAY CALC. NO VIS. POR. NSO LST: CRM - GRAY FXTAL MOST DNSE MINOR OOLITES RARE FOSS. SSFO FNT ODOR FEW PCS W/SPTY - SUBSATLT BRN STN PR - FR VUGGY & INTERPRT. TARK 4284 1276) POR SHALE: BLK CARB W/ MINOR DNSE MOTTLED LST. NO VIS. POR. NSO SHALE: GRAY - DRK GRAY SILTY NO VIS. POR. NSO 4300 LST: CRM - GRAY FXTAL SUBCHKY -DNSE SLI FOSS. NO VIS. POR. NSO LST: A. A. MOST DNSE RARE FOSS. NO VIS. POR. NSO SHALE: BLK CARB. W/ MINOR AMT DNSE REGRESSIVE LST. NO VIS. POR. NSO LST: WHT - CRM - GRAY FXTAL MOST DNSE RARE FOSS. NO VIS. POR. NSO ASE / KC 4346 (- 1338) 4350 SHALE: GRAY GREEN SILTY SANDY W/ MINOR LST. A. A. NO VIS. POR. NSO SHALE: RED - BRN ARGILACEOUS IN PART SILTY NO VIS. POR. NSO LST: CRM - TAN FXTAL DNSE MICRITIC IN PART RARE FOSS, NO VIS. POR. NSO SHALE: GRAY - DRK GRAY - BLK CARB. NO VIS. POR. NSO VIS: 58 SHALE: RED - BRN SILTY ARGILACEOUS IN PART NO VIS. POR. NSO 4400 LST: CRM - TAN - BRN FXTAL SUBCHKY -DNSE RARE FOSS. NO VIS. POR. NSO SHALE: BROWN ARGILACEOUS EARTHY NO VIS. POR. NSO LST: CRM - GRAY FXTAL MOST DNSE MICRITIC IN PART NO VIS. POR. NSO LST: A. A. W/ FR AMT BRN EATHY ARGILACEOUS SHALE NO VIS. POR. NSO LST: CRM - GRAY FXTAL DNSE RARE FOSS BRN SILTY SHALE NO VIS. POR. 4450 MUD CHE CK @ 4450 A. A. MOSTLY BRN SHALE NO VIS. POR. <u>- 93</u> NSO LST: CRM - GRAY DNSE BLOCKY RARE FOSS. NO VIS. POR. NSO LST: CRM - GRAY FXTAL VERY DNSE BLOCKY RARE FOSS. NO VIS. POR. NSO LST: A. A. NO VIS. POR. NSO SHALE: BLK CARB. NO VIS. POR. NSO 4500 SHALE: GRAY - DRK GRAY CALC. NO VIS. POR. NSO LST: CRM - GRAY FXTAL SUBCHKY -MOSTLY DNSE SLI FOSS. NO VIS. POR. SHALE: BLK CARB. FISSILE NO VIS. POR. 30 (+ 1522 LST: TAN - BRN FXTAL DNSE HARD BLOCKY OOLITIC IN PART NO VIS. POR. MUD CHECK @ 4550 LST: TAN - BRN A. A. OOLITIC NO VIS. WT: 9.4 POR. NSO 4550 LST: A. A. NO VIS. POR. NSO HEROKEE LST: CRM - GRAY FXTAL DNSE SLI FOSS. FR AMT BLK CARB. SHALE NO VIS. POR. 550 + 4645 DST # 2 // 40° S LST: CRM - GRAY FXTAL MOST DNSE SLI 28 + 3FOSS. NO VIS. POR. NSO 846# FFP: 35 FSIP: 929 SHALE: GRAY - DRK GRAY - BLK W/ INTERBEDDED GRAY FLAGGY DNSE LST. NO VIS. POR. NSO Ō LST: CRM - GRAY FXTAL SUBCHKY -DNSE RARE FOSS. NO VIS. POR. NSO # 4600 LST: CRM - GRAY FXTAL SUBCHKY -

DNSE MOTTLED IN PART MINOR GRAY CHERT NO VIS. POR. NSO LST: A. A. NO VIS. POR. NSO SHALE: GRAY SILTY NO VIS. POR. NSO SAND: FN - MED GRN. QTZ. WELL ROUNDED WELL SORTED TIGHT CLUSTERS GSFO ON BREAK GSSY FNT-FR ODOR FR AMT - ABUND VRY LT BRN SUBSAT - SAT STN FR INTRGRAN. POR. LST: CRM - GRAY FXTAL SUBCHKY -DISE DOLOMITIC IN PART FR AMT WHT CHERT NO VIS. POR. NSO 4650 MUD CHE CK @ 4650 WT: 9.3 LST: CRM - GRAY FXTAL DOLOMITIC IN PART SUCROSIC SLI FOSS, NO VIS. POR. NSO LST: A. A. DOLOMITIC IN PART MINOR CHERT SLI FOSS. NO VIS. POR. NSO LST: CRM - GRAY FXTAL SUBCHKY -DNSE SUCROSIC IN PART DOLOMITIC MINOR CHERT SLI FOSS, NO VIS. POR. NSO LST: A. A. NO VIS. POR. NSO 4700

COMMENTS:

DUE TO NEGATIVE DST RESULTS THIS WELL WAS PLUGGED AND ABANDONED