Scale 1:240 Imperial

Well Name: THOMPSON UNIT #19-1
Surface Location: SE NE SE SW Sec. 19-11-15

Bottom Location:

API: 15-167-23976-00-00

License Number: 33335

Spud Date: 5/27/2014 Time: 5:15 PM

Region: RUSSELL COUNTY KS

Drilling Completed: 6/4/2014 Time: 1:59 AM

Surface Coordinates: 775' FSL & 2465' FWL

Bottom Hole Coordinates:

Ground Elevation: 1784.00ft
K.B. Elevation: 1792.00ft

Logged Interval: 2550.00ft To: 3610.00ft

Total Depth: 3610.00ft

Formation: TOPEKA, LASING- KANSAS CITY, CONGLOMERATE

Drilling Fluid Type: FRESH WATER / CHEMICAL GEL

OPERATOR

Company: IA OPERATING, INC. Address: 9915 W 21st ST

SUITE B

WICHITA, KS 67205

Contact Geologist: JEFF MOWRY / JULIE BURROWS

Contact Phone Nbr: (316) 721-0036

Well Name: THOMPSON UNIT #19-1

Location: SE NE SE SW Sec. 19-11-15 API: 15-167-23976-00-00

Pool:

Field: FAIRPORT

State: KANSAS Country: USA

SURFACE CO-ORDINATES

Well Type: Vertical

Longitude: -99.0254570 Latitude: 39.0784832

N/S Co-ord: 775' FSL E/W Co-ord: 2465' FWL

LOGGED BY

Company: BIG CREEK CONSULTING, INC.

Address: 1909 MAPLE

ELLIS, KS 67637

Phone Nbr: (785) 259-3737

Logged By: Geologist Name: JEFF LAWLER

CONTRACTOR

Contractor: DISCOVERY DRILLING

Rig #: 2

Rig Type: MUD ROTARY

Spud Date: 5/27/2014 Time: 5:15 PM TD Date: 6/4/2014 Time: 1:59 AM

Rig Release: Time:

ELEVATIONS

K.B. Elevation: 1792.00ft Ground Elevation: 1784.00ft

K.B. to Ground: 8.00ft

NOTES

THE THOMPSON UNIT #1-19 WAS DRILLED OFF OF A SIESMIC PROSPECT. THE WELL RAN STRUCTURALLY LOW THROUGH THE LANSING-KANSAS CITY ZONES THEN BEGAN TO THIN UP. REFERENCE WELL WAS AMERICAN LARIAT'S POWELL #1 THAT WAS PLUGGED IN 1989. THE THOMPSON UNIT #1-19 HAS STRUCTURAL CLOSURE TO THE NORTH FROM THE POWELL #1 INCIDCATED BY DST #1 RESULTS. THERE WAS ECONOMICAL RECOVERY ON 3 OF THE 4 DST'S AND THEREFORE IT IS MY SUGGESTION TO RUN 5 1/2" PRODUCTION CASING AND FURTHER EVALUATE ZONES OF INTEREST WITH PERFORATION.

DECDECTEUL V CUDMITTED

JEFF LAWLER

					n0 /																						
					P&A	15-8	9		П	a					SWDW P&A 6-91					Ħ							
					AMERICAN LARIATING H&H PRODUCTION, INC.					H&H PRODUCTION, INC.					1	AMERICAN LARIATING											
					POW	VELL#:	1				VONFE	LDT	A#1				VONF	ELDT#	#1			VONFELDT#1					
	THOMPSON	NUNIT#1-19			E2 E2 SW	V 19-1	1-15			W2 SW SE 19-11-15					SW SW SE	19-1	1-15			SW SE NW SE 19-11-15							
КВ	B 1792	GL	1784	KB		18	22			KB		17	779			KB	KB 1759				KB		1816				
i i i i i i i i i i i i i i i i i i i	LOGTOPS	SAMPL	ETOPS	COMP	.CARD	LO	G	SMP	L.	COMP	CARD	LC	OG	SM	PL.	COMP.	CARD	LC	OG	SIV	IPL.	COMP	.CARD	LC	G	SM	PL.
FORMATION DEPT	TH DATUM	DEPTH	DATUM	DEPTH	DATUM	COI	RR.	COR	RR.	DEPTH	DATUM	CO	DRR.	co	RR.	DEPTH	DATUM	co	RR.	CO	RR.	DEPTH	DATUM	co	RR.	co	RR.
ANHYDRITE TOP 941	1 851	964	828	990	832	+	19	_	4	934	845	+	6	-	17	923	836	+	15	-	8	983	833	+	18	-	5
BASE 1000	00 792	1003	789	1026	796		4		7																		
TARKIO LIME 257	77 -785			2605	-783		2															2605	-789	+	4		
HOWARD 271	13 -921	2713	-921	2741	-919	-	2	-	2	2691	-912	-	9	-	9			- /				1					
TOPEKA 273	36 -944	2736	-944	2764	-942	~	2		2	2712	-933	~	11		11	2701	-942	100	2		2	2794	-978	+	34	+	34
HEEBNER SHALE 298	81 -1189	2985	-1193	3011	-1189	+	0	-21	4	2969	-1190	+	1	27	3	2950	-1191	+	2	25	2	3013	-1197	+	8	+	4
TORONTO 300	03 -1211	3006	-1214	3031	-1209	-	2	-	5	2984	-1205	-	6	7.	9							3033	-1217	+	6	+	3
LKC 302	29 -1237	3032	-1240	3057	-1235	-	2	-	5	3009	-1230	-	7	-	10	2997	-1238		1	-	2	3062	-1246		9	+	6
BKC 328	87 -1495	3288	-1496	3312	-1490		5		6	3262	-1483		12	25	13							3316	-1500	+	5	+	4
MARMATON				3359	-1537					3308	-1529				8 3						-	3362	-1546				
CONGLOMERATE 338	83 -1591	3383	-1591	3413	-1591		0	+	0	3356	-1577	-	14	-	14	3322	-1563	-	28		28	3394	-1578	*	13		13
ARBUCKLE 354	43 -1751	3545	-1753	3582	-1760	+	9	+	7	3528	-1749		2	2	4	3509	-1750		1	- 21	3	3602	-1786	+	35	+	33
TOTAL DEPTH 3610	10 -1818	3610	-1818	3653	-1831	+	13	+	13	3545	-1766		52		52	3755	-1996	+	178	+	178	3680	-1864	+	46	+	46

DST #1 TORONTO - LKC D 2982' - 3100'



DRILL STEM TEST REPORT

IA Operating Inc

19-11s-15w Russell KS

9915 W21st ST STEB

Thomas Unit # 1-19

Tester:

Wichita KS, 67205

Job Ticket: 54049 DST#:1

ATTN: Jeff Lawler

Test Start: 2014.05.31 @ 22:08:00

GENERAL INFORMATION:

Formation: Tor - LKC "D"

Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Initial)

Time Tool Opened: 01:20:15

Time Test Ended: 06:09:45

Interval: 2982.00 ft (KB) To 3100.00 ft (KB) (TVD)

Total Depth: 3100.00 ft (KB) (TVD)

Hole Diameter: 7.88 inchesHole Condition: Fair KB to

Unit No: 73

Reference Elevations: 1792.00 ft (KB)

Cody Bloedorn

1784.00 ft (CF) KB to GR/CF: 8.00 ft

Serial #: 8648 Inside

Press@RunDepth: 156.33 psig @ 3083.00 ft (KB) Capacity: 8000.00 psig

 Start Date:
 2014.05.31
 End Date:
 2014.06.01
 Last Calib.:
 2014.06.01

 Start Time:
 22:08:05
 End Time:
 06:09:44
 Time On Btm:
 2014.06.01 @ 01:20:00

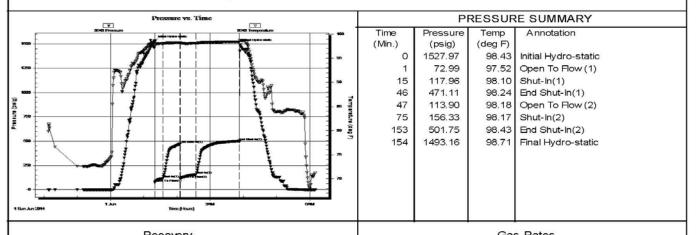
 Time Off Btm:
 2014.06.01 @ 03:54:00

TEST COMMENT: 15 - IF- B.O.B. in 8 minutes

30 - ISI- No return

30 - FF- B.O.B. in 1.5 minutes

60 - FSI- 1 1/4" return @ 15 Minutes, died back to surface blow



	Recovery	
Length (ft)	Description	Volume (bbl)
186.00	GOCM, 20%O, 20%M, 60%G	2.34
45.00	Mud - show of oil, 100%M	0.63
0.00	496' of G.I.P.	0.00

Gas Ra	ies	
Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

Printed: 2014.06.01 @ 06:47:12 Trilobite Testing, Inc Ref. No: 54049

DST #2 LKC E - F 3094' - 3127'



DRILL STEM TEST REPORT

IA Operating Inc

19-11s-15w Russell KS

9915 W 21st ST STEB Wichita KS, 67205

Thomas Unit #1-19

ATTN: Jeff Lawler

Job Ticket: 54050 DST#: 2 Test Start: 2014.06.01 @ 13:52:00

GENERAL INFORMATION:

Formation: LKC "E&F"

Deviated:

Interval:

Whipstock: No

Test Type: Conventional Bottom Hole (Reset)

ft (KB)

Tester: Cody Bloedorn Unit No: 73

Time Tool Opened: 15:53:00 Time Test Ended: 20:50:15

Reference Bevations: 1792.00 ft (KB)

3094.00 ft (KB) To 3127.00 ft (KB) (TVD) Total Depth: 3127.00 ft (KB) (TVD)

1784.00 ft (OF) KB to GR/CF: 8.00 ft

Hole Diameter: 7.88 inchesHole Condition: Fair

Serial #: 8648 Press@RunDepth: Inside

3100.00 ft (KB)

Capacity: 2014.06.01 Last Calib.:

8000.00 psig 2014.06.01

Start Date: Start Time:

2014.06.01 13:52:05 End Date: End Time:

20:50:14

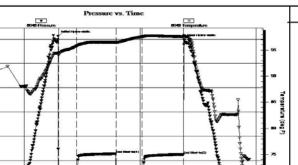
2014.06.01 @ 15:52:30 Time On Btm:

Time Off Btm: 2014.06.01 @ 19:08:00

TEST COMMENT: 30 - IF- 9" blow

60 - ISI- Surface return 45 - FF- 4" blow 60 - FSI- Surface return

91.21 psig @



PRESSURE SUMMARY

Time	Pressure	Temp	Annotation	_
(Min.)	(psig)	(deg F)		
0	1530.79	94.43	Initial Hydro-static	
1	19.82	93.99	Open To Flow (1)	
29	54.99	95.73	Shut-In(1)	
90	319.43	96.51	End Shut-In(1)	
91	58.22	96.42	Open To Flow (2)	
131	91.21	97.56	Shut-In(2)	
195	313.00	97.60	End Shut-In(2)	
196	1494.52	97.70	Final Hydro-static	

Recovery

Length (ft)	Description	Volume (bbl)								
124.00	MW - Show of oil, 20%M, 80%W	1.47								
20.00	GO, 5%G, 95%O	0.28								
* Recovery from multiple tests										

Gas Rates

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

Trilobite Testing, Inc

Ref. No: 54050

Printed: 2014.06.01 @ 21:10:48

DST #3 LKC I - K 3182' - 3265'



IA Operating Inc

9915 W21st ST STEB Wichita KS, 67205

ATTN: Jeff Law ler

End Time:

19-11s-15w Russell KS

Thomas Unit #1-19

Job Ticket: 54051 Test Start: 2014.06.02 @ 13:36:00

GENERAL INFORMATION:

LKC "I,J,K"

No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset) Deviated:

Time Tool Opened: 15:39:30

Time Test Ended: 20:40:30

3182.00 ft (KB) To 3265.00 ft (KB) (TVD)

Total Depth: 3265.00 ft (KB) (TVD)

Hole Diameter: 7.88 inchesHole Condition: Fair

Cody Bloedorn

Unit No: 73

Reference Bevations: 1792.00 ft (KB) 1784.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8648 Inside

Start Time:

Press@RunDepth: 107.77 psig @ Start Date:

3252.00 ft (KB) 2014.06.02 End Date:

2014.06.02 20:40:29 Capacity: Last Calib.: 8000.00 psig

Time On Btm:

2014.06.02 2014.06.02 @ 15:39:00

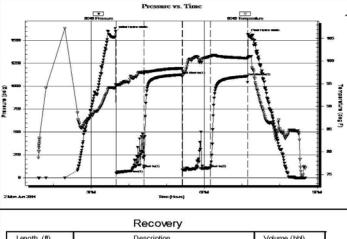
Time Off Btm: 2014.06.02 @ 19:09:15

PRESSURE SUMMARY

TEST COMMENT: 45 - IF- 3" blow

60 - ISI- No return 45 - FF- 31/2" blow 60 - FSI- No return

13:36:05



	F	KESSUR	CE SUMMART
Time	Pressure	Temp	Annotation
(Min.)	(psig)	(deg F)	
0	1598.68	94.83	Initial Hydro-static
1	49.46	94.56	Open To Flow (1)
45	107.75	97.16	Shut-In(1)
106	1126.87	98.42	End Shut-In(1)
107	85.72	97.92	Open To Flow (2)
151	107.77	101.05	Shut-In(2)
210	1110.53	100.61	End Shut-In(2)
211	1565.47	100.82	Final Hydro-static

	Recovery	
Length (ft)	Description	Volume (bbl)
124.00	Mud - oil spots, 100%M	1.47
	1	
* Recovery from r	nurtiple tests	

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

Trilobite Testing, Inc

Ref. No: 54051

Printed: 2014.06.02 @ 23:16:20

DST #4 CONGLOMERATE SAND 3354' -3408'



DRILL STEM TEST REPORT

IA Operating Inc

19-11s-15w Russell KS

9915 W 21st ST STE B Wichita KS, 67205

Thomas Unit # 1-19

Job Ticket: 54052

DST#: 4

ATTN: Jeff Law ler

Test Start: 2014.06.03 @ 07:39:00

GENERAL INFORMATION:

Formation: Cong. Sand

Deviated: Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset)

> Tester: Cody Bloedorn

Time Tool Opened: 09:43:45

Time rest blued. 15.16.15 Interval: 3354.00 ft (KB) To 3408.00 ft (KB) (TVD) Reference ⊟evations: 1792.00 ft (KB) Total Depth: 3408.00 ft (KB) (TVD) 1784.00 ft (CF) KB to GR/CF: Hole Diameter: 7.88 inches Hole Condition: Fair 8.00 ft Serial #: 8648 Inside 8000.00 psig Press@RunDepth: 516.43 psig @ 3393.00 ft (KB) Capacity: Start Date: 2014.06.03 End Date: 2014.06.03 Last Calib.: 2014.06.03 Start Time: 07:39:05 End Time: 15:18:14 Time On Btm: 2014.06.03 @ 09:43:30 Time Off Btm: 2014.06.03 @ 12:13:00 TEST COMMENT: 15 - IF- B.O.B. in 3 minutes 30 - ISI- 1/2" return 45 - FF- B.O.B. in 2 Minutes 60 - FSF 2" return PRESSURE SUMMARY Annotation Time Pressure Temp (Min.) (psig) (deg F) 1706.12 0 96.37 Initial Hydro-static 88.17 95.43 Open To Flow (1) 1 230.64 96.64 Shut-In(1) 14 893.84 97.13 End Shut-In(1) 46 47 226.85 96.94 Open To Flow (2) 89 516.43 97.96 | Shut-In(2) 887.59 150 99.03 End Shut-In(2) 1643.86 99.36 Final Hydro-static 150 Recovery Gas Rates Length (ft) Description Volume (bbl) Choke (inches) Pressure (psig) Gas Rate (Mcf/d) 403.00 GW - show of oil on top, 5%G, 95%W 5.38 372.00 SOCWM, 10%O, 40%W, 50%M 5.22 GOCM, 20%G, 20%O, 60%M 4.35 310.00

Ref. No: 54052 Trilobite Testing, Inc. Printed: 2014.06.03 @ 16:00:02

△△△△ Cht Congl o. 0. 0 · 0 o Chtcongl

* Recovery from multiple tests

Dolprim Lmst fw<7 Lmst fw7>

ROCK TYPES

shale, grn shale, gry Carbon Sh 141414141414141

shale, red Shcol

Lscongl

ACCESSORIES

FOSSIL STRINGER MINERAL Sandy Oolite Sandstone

OTHER SYMBOLS

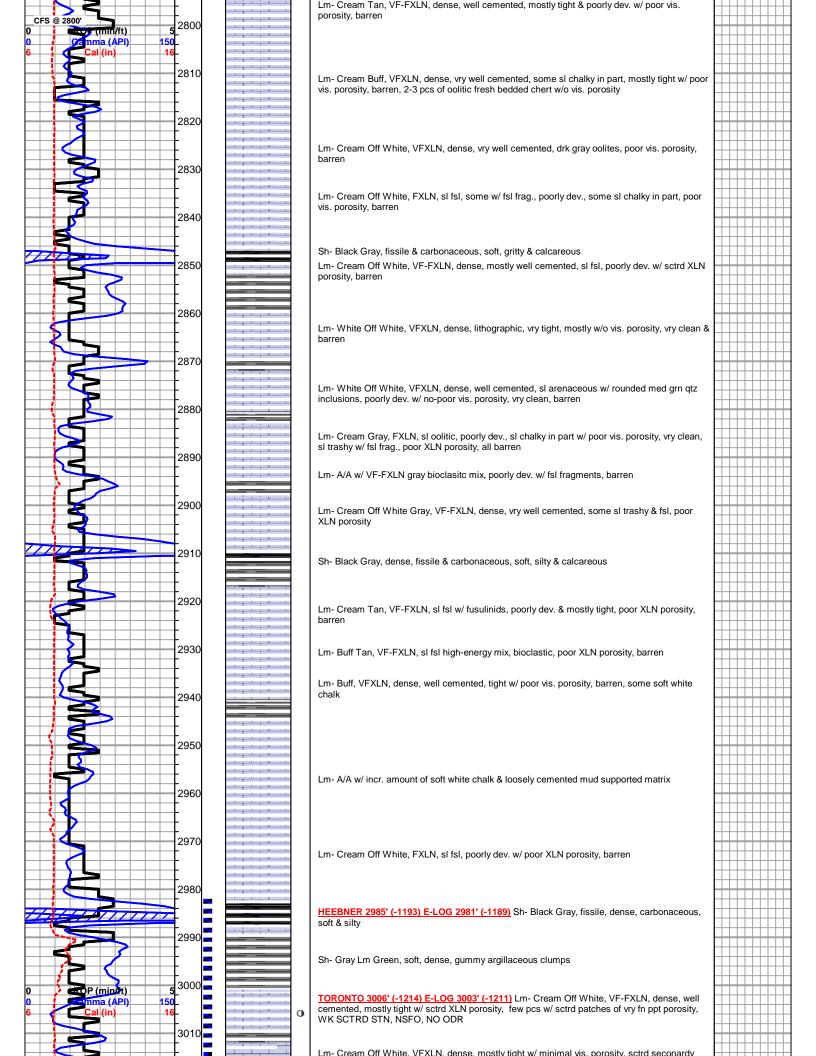
DST DST Int

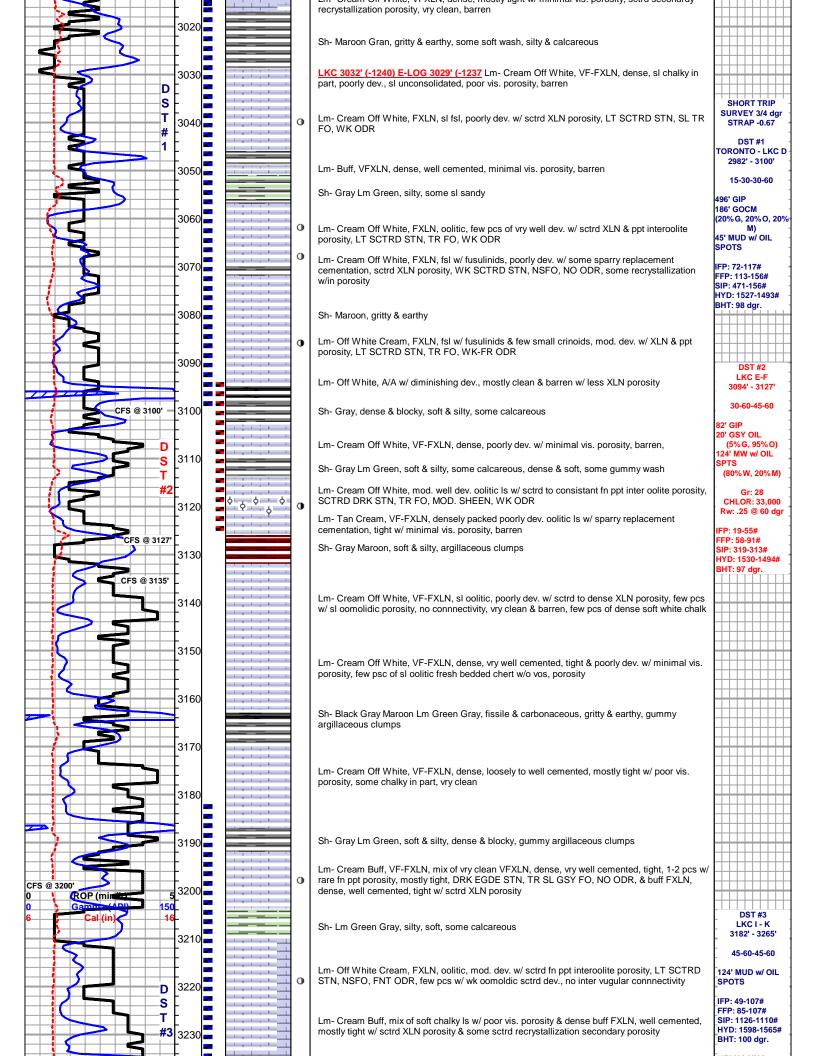
DST alt

Printed by GEOstrip VC Striplog version 4.0.7.0 (www.grsi.ca)

Curve Track #1 Curve Track #3 ROP (min/ft) vals Gamma (API)

Cal (in)	Cored Interval DST Interval	DST	Lithology	Oil Show	Geological Descriptions				
1:240 Imperial 0 ROP (min/ft) 5 0 Gamma (API) 150	2 -				ALDRILL TIME TURQUOU ANUVERNITE FROM 0401, 40401	1:24	0 lm	peria	1
6 Cal (in) 16	- - 2610				1' DRILL TIME THROUGH ANHYDRITE FROM 940' - 1010' 1' DRILL TIME FROM 2620' - RTD 10' WET/DRY SAMPLES FROM 2680' - RTD		#		
	- -				GEOLOGICAL SUPERVISION BY JEFF LAWLER FROM 2680' - RTD		\blacksquare		\mp
	2620				8 5/8" SURFACE PIPE SET @ 969' SURVEY 1/2 dgr.		\blacksquare		
	2630				DRILLER'S ANHYDRITE TOP 964' (+828) E-LOG 941' (+851) DRILLER'S ANHYDRITE BASE 1003' (+789) E-LOG 1003' (+792)				
	- - 2640								
	- - - 2650				Sh- Black Gray White, dense & silty, gummy argillaceous clumps, silty & calcareous		#		
	- - -						H	H	Ŧ
	2660 - -				Lm- Tan Buff, VF-FXLN, dense, vry well cemented, sl trashy bioclastic w/ fsl fragements, poor vis. porosity w/ sctrd secondary recrystallization porosity, mostly tight, barren				
	- 2670 -				Lm- Drk Gray, Fn Grn, mod. cemented arenaceous Is, sI trashy & unconsolidated, mod. sorting, sub-angular, sI fsI, mod. intergranular porosity, sI shaly, barren				
	- 2680				Sh- Gray Lm Green, soft & silty, calcareous		\pm		
	-				Lm- Cream Tan, VFXLN, dense,vry wel cemented, mostly tight, sI fsI w/ some fsI fragments, poor vis. porosity, sI pyrite		\pm		
	- 2690 -		7771 - 7771 7771 7771 - 7771		Sh/Ss- Gray, semi-gummy clumps Ss- Dove Gray, Vf-Fn Grn, loosely cemented, micaceous, poorly dev. w/ consistant intergranular porosity, barren				
	- 2700 -								
	- - 2710				Sh- Gray Lm Green, gummy argillaceous clumps				
	- - - 2720				HOWARD 2713' (-921) E-LOG 2713' (-921)Lm- Cream Off White, VFXLN, massive, dense & vry well cemented, sl oolitic, poorly dev. & densely packed, sl granular, vry poor effective porosity, sctrd secondary recrystallization porosity, barren				
	- - - -				Sh- Gray, many gummy argillaceous clumps, Lm- Tan, VF-FXLN, high-energy bioclastic w/ fsl frag., sctrd XLN porosity, barren				
	2730 - -				Sh- Gray Lm Green, gummy argillaceous clumps, some dove gray Ss, trashy & poorly dev.		Ħ		
37	2740 -				TOPEKA 2736' (-944) E-LOG 2736' (944) Lm- Cream Off White Tan, FXLN, sl fsl, poorly dev., few sl chalky in part, sctrd XLN porosity, barren				
	- 2750 -				Lm- Cream Tan, FXLN, fsl, poorly dev. sl trashy w/ fsl frag, poor XLN porosity, some sctrd secondary recrystallization porosity, barren				
	- 2760 -				Sh- Gray Lm Green, semi-gummy clumps Ss- Dove Gray Frosted, Fn Grn, most loosely cemented & sl friable, mod. dev., sl unconsolidated, sub-angular, consistant intergranular porosity				
	- 2770 -			•	Lm- Tan, FXLN, sI fsI, vry dense XLN & sctrd to semi-consistant vry fn ppt porosity, SCTRD DRK STN, TR FO, SL OIL SHEEN, WK-FR ODR, TR FLOATING OIL SPECKS IN WET CUP				
	- 2780 -				Lm- Cream Off White, VF-FXLN, dense, sl dev., sctrd vry fn ppt porosity, some loosely				
	- - - 2790			0	cemented, SCTRD LT STN ALONG EDGE, SL TR FO, WK ODR, FEW FLOATING OIL SPECKS IN WET CUP		#	H	
	-						#	Щ	丰





	7 2 4	Y	3	240				Sh- Black Gray Maroon, fissile, carbonaceous, gritty & earthy, soft & silty	**PLUGGING NOTED DURING BOTH FLOW CYCLES ON CHARTS**
			3	250			•	Lm- Cream Off White, F-MEDXLN, oolitic w/ fusulinids, mod. well dev., few pcs w/ conssistant ppt inter fsl porosity, LT SCTRD STN, TR GSY FO, WK-FR ODR	
			S 3	260				Lm- Cream Tan Buff, FXLN, dense, poorly dev & well cemented, mostly tight w/ sctrd micro XLN & XLN porosity, barren, some soft white chalk	
	CFS @	3265'	2	270				Sh- Black Maroon Gray Lm Green, fissile, carbonaceous, silty, soft, & calcareous	
				280				Lm- Tan Cream, VF-FXLN, dense, well cemented, tight w/ minimal vis. porosity, some chalky in part, barren	
			3	290				BKC 3288' (-1496) E-LOG 3287' (-1495) Sh- Gray Maroon, silty soft & calcareous, some gummy wash, gritty & earthy	
	,,,		3 3	300				Lm- Cream Off White, VF-FXLN, dense, most well cemented & tight w/ micro XLN & XLN porosity, vry clean, barren, some soft white chalk	
	\f		3	310				Sh- Maroon Gray, gritty & earthy, silty & calcareous	
		3		320		0.00.00 0.00.00 0.00.00 0.00.00 0.00.00 0.00.0		Conglomerate Lm- Cream/Maroon, VF-FXLN, dense, well cemented, detritial w/ no vis to XLN porosity, some soft & crumbly	
	Ì		3	330		d,⊕,d.0 <u>m</u> 0.d.€		Sh- Maroon Gray, soft & crumbly, some gritty & earthy, some w/ linear variations	
=======================================			3	340		0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.		Conglomerate Lm- Cream Maroon Cream/Yellow, VF-FXLN Fn Grn, dense, some massive, all unsonsolidated, few pcs of granular arenaceous like Is w/ vry poor cementation, all barren	
	-		3	350	_	o.⊕.o.o.80.o.o.⊲.⊕		Sh- Maroon Yellow Gray, gummy argillacecous clumps, few sandy pcs	
	É		3	360		ore grad con a e area a a e	0	Ss- Clear, Fn Grn, most all consolidated & well sorted, few pcs mod. sorting, all sub-rounded, matture, loosely cemented & friable, SCTRD DRK STN, SOME DO FLAKES, FR SFO, NO	DST #4 CONGLOMERATE SAND
	K							ODR Sh- Maroon, gummy argillaceous clumps	3354' - 3408' 15-30-45-60
	7		3	370		o. ⊕. O. o. 85. o. o. e. o. ⊕. O. o. 85. o. o. e.		, , , , , , , , , , , , , , , , , , , ,	310' GOCM (20%O, 20%O, 60%
			D =	380		o. 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		Sh- Maroon Yellow Purple, many gummy argillaceous clumps, gritty & earthy, soft sandy lime Chert- Yellow Maroon, cryptoXLN w/o vis. porosity	M) 372' SOCWM (10%O, 40%W, 50% M)
	الله		#4			0.000000000000000000000000000000000000	•	CONGLOMERATE 3383' (-1591) E-LOG 3383' (-1591) Conglomerate Lm- White/Maroon, unconsolidated, well cemented, VFXLN, dense, barren, Ss- A/A w/ incr. quality/quantity of STN, VRY GD SFO, FEW PCS SUB-BLEEDING W/ FO, NO	403' GW (5%G, 95%W)
	Š		3	390		0. 4. 0. 68. 0 0 4 0. 4. 0. 68. 0 0 4 0. 4. 0. 68. 0 0 4 0. 4. 0. 68. 0 0 4		ODR	IFP: 88-230# FFP: 226-515# SIP: 893-887# HYD: 1706-1643#
		ROP (min/ft) Gamma (API) Cal (in)	150 16	400				Conglomerate- gummy argillaceous clumps, Maroon Yellow & White fresh bedded clean chert w/o vis. porosity	BHT: 99 dgr. CHLOR: 56,000 Rw: .10 @ 97 dgr.
	Į	CFS	@ 3408'	410				Conglomerate Chert- Maroon Yellow Milky White, mix of fresh bedded & detritial various colored chert, all w/ no vis to cryptoXLN porosity	
		2	3	420				Chert- Bone White mix of fresh bedded & massive dolomitic chert w/ sctrd XLN porosity	
-			3	430				Sh- Maroon Mustard Yellow, dense & blocky, some VFXLN detritial maroon conglomerate Is w/vis. porosity & mustard yellow fresh bedded chert w/o vis. porosity	
			2	440					
			,	T-T-U				Chert- Golden Tan Milky White Bone White Mustard, fresh bedded angular chert	
	4		3	450		^ ^ ^ ^ ^ ^		Ones. Solden Fair minky Withe Done Wilhe Mustalu, liesh bedded dilgulal Gleit	

