	Company: Address: Contact Geologist: Contact Phone Nbr: Well Name: Location: API: Pool: State:	OPERATOR OUTLAW WELL SERVICE, LLC 1408 WEST 42ND HAYS, KANSAS 67601 PRESTON WOLF 785-650-2399 SCHINDLER #1W SW NW NE NW S17 T8S R17W 15-163-24269-00-00 KANSAS	Field: Country:	DOPITA USA
[~	Scale 1:240 Imperial		
	Well Name: Surface Location: Bottom Location: API:	SCHINDLER #1W SW NW NE NW S17 T8S R17W 15-163-24269-00-00		
	License Number: Spud Date:	34272 11/21/2014	Time:	5:02 PM
	Region: Drilling Completed: Surface Coordinates:	ROOKS COUNTY 11/27/2014 360 FNL & 1543 FWL	Time:	5:30 AM
	Bottom Hole Coordinates: Ground Elevation: K.B. Elevation: Logged Interval: Total Depth: Formation: Drilling Fluid Type:	1857.00ft 1862.00ft 2700.00ft 3370.00ft ARBUCKLE CHEMICAL / FRESH WATER GEL	To:	3370.00ft
	-	SURFACE CO-ORDINATES	3	
	Well Type: Longitude: Latitude: N/S Co-ord: E/W Co-ord:	Vertical -99.2443983 39.3638784 360 FNL 1543 FWL		
1	-	LOGGED BY		
			G	
	Company: Address:	SOLUTIONS CONSULTING, INC. 108 WEST 35TH HAYS, KANSAS 67601		
	Phone Nbr: Logged By:	785-650-4540 / 785-639-1337 GEOLOGIST	Name:	STEVE REED
	Contractor: Rig #: Rig Type: Spud Date: TD Date: Rig Release:	CONTRACTOR WHITE KNIGHT DRILLING 1 MUD ROTARY 11/21/2014 11/27/2014 11/28/2014	Time: Time: Time:	5:02 PM 5:30 AM 2:00 AM
		ELEVATIONS		
	K.B. Elevation: K.B. to Ground:		Elevation:	1857.00ft
		NOTES		

BASED ON LACK OF SIGNIFICANT SHOWS, RESULTS OF DST #2, AND LOG ANALYSIS, THE DECISION WAS MADE TO PLUG AND ABANDON THE SCHINDLER #1W.

OPEN HOLE LOGGING PROVIDED BY: PIONEER ENGERGY SERVICES DUAL INDUCTION LOG, DUAL COMPENSATED POROSITY LOG, AND MICRORESISTIVITY LOGS WERE COMPLETED

DRILL STEM TESTING PROVIDED BY: TRILOBITE TESTING TWO (2) STRADDLE TESTS WERE COMPLETED

	WELL	NAME	COMPARISON WELL	COMPARISON WELL
	SCHIND	LER #1W	SCHINDLER A#1	RAY SCHINDLER #6
	API: 15-1	.63-24269	API: 15-163-19109	API: 15-163-23893
	186	2 KB	1862 RB	1882 KB
FORMATION	SAMPLE TOPS	LOG TOPS	LOG TOPS (DATUM)	LOG TOPS (DATUM)
ANHYDRITE TOP	1245' (+617')	1250' (+612')	NA	NA
ΤΟΡΕΚΑ	2775' (-913')	2775' (-913')	-908'	-910′
HEEBNER	2988' (-1126')	2988' (-1126')	-1118′	-1120′
TORONTO	3009' (-1147')	3006' (-1144')	-1141′	-1142'
LKC	3029' (-1167')	3028' (-1166')	-1161′	-1162'
ВКС	3254' (-1392')	3254' (-1392')	-1390′	-1388′
ARBUCKLE	3296' (-1434')	3300' (-1438')	-1438′	-1426′
RTD	3370' (-1508')	3371' (-1509')	-1483′	-1466′

FORMATION TOPS COMPARISON AND DAILY ACTIVITY SUMMARY

SUMMARY OF DAILY ACTIVITY

- **11-19-14** M.I.R.U.
- 11-20-14 scrub rig, safety meeting
- 11-21-14 spud, drill to 477, work on rotary sprocket
- 11-22-14 477, drilling
- **11-23-14** 1045, 8 5/8" surface casing set at 1258.03 w/425 sxs common, 2% gel, 3% cc, plug down @ 5:00pm, WOC, drilling
- **11-24-14** 1315, drilling
- **11-25-14** 2361, drilling, displace @ 2706, TOWB for hole in pipe, CFS @ 2960
- **11-26-14** 3014, drilling, CFS @ 3075, CFS @ 3138, CFS @ 3238, CFS @ 3306, CFS @ 3316, TD of 3370 reached @ 5:30am, CFS
- **11-27-14** 3370, short trip, CTCH, TOWB for logs, strap .02 long to board, survey 3/4°, logging, DST #1 3116-3162, misrun (bottom packer failure), DST #2 3116-3134, prepare for plugging
- 11-28-14 plugging, release rig

	DRILL STEM TE	ST REP	ORT				
RILOBITE	Outlaw Well Service LLC		17-8s-17w Rooks KS				
ESTING , INC.	1408 West 42nd		Schindler 1W				
	Hays KS, 67601			Ticket: 60		DST#:1	
	ATTN: Steve Reed		Tes	t Start: 20)14.11.27 @	15:09:00	
GENERAL INFORMATION:							
Formation: G Zone Deviated: No Whipstock:	ft (KB)		Too	t Tupo:	Conventional	Straddla (In	vitial)
Time Tool Opened: 16:50:15			Tes	ter:	Cody Bloedor		nitial)
Time Test Ended: 21:05:00					73		
Interval: 3116.00 ft (KB) To 3113 Total Depth: 3370.00 ft (KB) (T)			Refe	erence Be	evations:	1853.00 1848.00	
	e Condition: Fair			KB t	o GR/CF:	5.00	
Serial #: 8648 Inside							
Press@RunDepth: 265.85 psig Start Date: 2014.11.27	@ 3120.00 ft (KB) End Date:	2014.11.27	Capacity Last Calil		5	8000.00	psig
Start Time: 15:09:05	End Time:	21:04:59	Time On	Btm:	2014.11.27 @ 2014.11.27 @	⊉ 16:50:00	
45 - FSI- No retu							
1201 - 117 (1774) - 119 (1774)	líme		PI				
Pressare vs. 1 VC Pressare (vs. 1 KC Pressor	fime 565 Toppadar 193	Time	Pressure	Temp	RE SUMMA Annotation		
Pressure vs. 1	र ।	(Min.)	Pressure (psig)	Temp (deg F)	Annotatio	n	
Pressance vo. 1		(Min.) 0 1	Pressure (psig) 1569.99 27.92	Temp (deg F) 93.94 93.40	Annotation Initial Hydro Open To Flo	n -static	
Pressing vs. 1		(Min.) 0	Pressure (psig) 1569.99	Temp (deg F) 93.94	Annotation Initial Hydro Open To Flo Shut-In(1)	n o-static ow (1)	
		(Min.) 0 1 30 75	Pressure (psig) 1569.99 27.92 169.46 950.98 170.93	Temp (deg F) 93.94 93.40 96.17 96.57 96.31	Annotation Initial Hydro Open To Flo Shut-In(1) End Shut-In Open To Flo	n static pw (1) n(1)	
		(Min.) 0 1 30 75	Pressure (psig) 1569.99 27.92 169.46 950.98	Temp (deg F) 93.94 93.40 96.17 96.57	Annotation Initial Hydro Open To Flo Shut-In(1) End Shut-In Open To Flo	n static pow (1) n(1) pow (2)	
		(Min.) 0 1 30 75 76 106	Pressure (psig) 1569.99 27.92 169.46 950.98 170.93 265.85	Temp (deg F) 93.94 93.40 96.17 96.57 96.31 97.23	Annotation Initial Hydro Open To Flo Shut-In(1) End Shut-In Open To Flo Shut-In(2) End Shut-In(2)	n o-static bw (1) h(1) bw (2) h(2)	
Pressure v5. 7		(Min.) 0 1 30 75 76 106 148	Pressure (psig) 1569.99 27.92 169.46 950.98 170.93 265.85 917.01	Temp (deg F) 93.94 93.40 96.17 96.57 96.31 97.23 97.41	Annotation Initial Hydro Open To Flo Shut-In(1) End Shut-In Open To Flo Shut-In(2) End Shut-In(2)	n o-static bw (1) h(1) bw (2) h(2)	
		(Min.) 0 1 30 75 76 106 148	Pressure (psig) 1569.99 27.92 169.46 950.98 170.93 265.85 917.01	Temp (deg F) 93.94 93.40 96.17 96.57 96.31 97.23 97.41	Annotation Initial Hydro Open To Flo Shut-In(1) End Shut-In Open To Flo Shut-In(2) End Shut-In(2)	n o-static bw (1) h(1) bw (2) h(2)	
		(Min.) 0 1 30 75 76 106 148	Pressure (psig) 1569.99 27.92 169.46 950.98 170.93 265.85 917.01	Temp (deg F) 93.94 93.40 96.17 96.57 96.31 97.23 97.41	Annotation Initial Hydro Open To Flo Shut-In(1) End Shut-In Open To Flo Shut-In(2) End Shut-In(2)	n o-static bw (1) h(1) bw (2) h(2)	
		(Min.) 0 1 30 75 76 106 148	Pressure (psig) 1569.99 27.92 169.46 950.98 170.93 265.85 917.01	Temp (deg F) 93.94 93.40 96.17 96.57 96.31 97.23 97.41 97.63	Annotation Initial Hydro Open To Flo Shut-In(1) End Shut-In Open To Flo Shut-In(2) End Shut-In(2)	n o-static bw (1) h(1) bw (2) h(2)	
Pressure vs. 1 reading the second se		(Min.) 0 1 30 75 76 106 148	Pressure (psig) 1569.99 27.92 169.46 950.98 170.93 265.85 917.01	Temp (deg F) 93.94 93.40 96.17 96.57 96.31 97.23 97.41 97.63	Annotation Initial Hydro Open To Fic Shut-In(1) End Shut-In Open To Fic Shut-In(2) End Shut-In Final Hydro	n static ow (1) n(1) ow (2) n(2) static	s Rate (Mc1/d)
Pressure vs. 1		(Min.) 0 1 30 75 76 106 148	Pressure (psig) 1569.99 27.92 169.46 950.98 170.93 265.85 917.01	Temp (deg F) 93.94 93.40 96.17 96.57 96.31 97.23 97.41 97.63	Annotation Initial Hydro Open To Fic Shut-In(1) End Shut-In Open To Fic Shut-In(2) End Shut-In Final Hydro	n static ow (1) n(1) ow (2) n(2) static	s Rate (Mct/d)
Pressure vs. 1 resolutions re	Volume (bbl)	(Min.) 0 1 30 75 76 106 148	Pressure (psig) 1569.99 27.92 169.46 950.98 170.93 265.85 917.01	Temp (deg F) 93.94 93.40 96.17 96.57 96.31 97.23 97.41 97.63	Annotation Initial Hydro Open To Fic Shut-In(1) End Shut-In Open To Fic Shut-In(2) End Shut-In Final Hydro	n static ow (1) n(1) ow (2) n(2) static	s Rate (McI/d)
Pressure vs. 1 v o v	Volume (bbl)	(Min.) 0 1 30 75 76 106 148	Pressure (psig) 1569.99 27.92 169.46 950.98 170.93 265.85 917.01	Temp (deg F) 93.94 93.40 96.17 96.57 96.31 97.23 97.41 97.63	Annotation Initial Hydro Open To Fic Shut-In(1) End Shut-In Open To Fic Shut-In(2) End Shut-In Final Hydro	n static ow (1) n(1) ow (2) n(2) static	s Rate (McI/d)
Pressure vs. T	Volume (bbl)	(Min.) 0 1 30 75 76 106 148	Pressure (psig) 1569.99 27.92 169.46 950.98 170.93 265.85 917.01	Temp (deg F) 93.94 93.40 96.17 96.57 96.31 97.23 97.41 97.63	Annotation Initial Hydro Open To Fic Shut-In(1) End Shut-In Open To Fic Shut-In(2) End Shut-In Final Hydro	n static ow (1) n(1) ow (2) n(2) static	s Rate (Mct/d)

DST #2 SUMMARY

(ON	RILOBITE TESTING , INC.	DRILL STEM TE Outlaw Well Service LLC	EST REP		0. 17	Deales 1/0		
面		1408 West 42nd Hays KS, 67601		Sc	hindler			
		ATTN: Steve Reed			Ticket: 60 t Start: 20	645 14.11.27 @	DST#: 21:33:00	2
GENERAL	INFORMATION:							
	Lansing "A-C" No Whipstock: ened: 00:08:45 ded: 04:53:15	ft (KB)		Tes	ter: C	Conventiona Cody Bloedd 73	al Straddle (orn	Reset)
nterval: Fotal Depth: Hole Diameter	3116.00 ft (KB) To 31 3371.00 ft (KB) (T\ 7.88 inchesHole			Ref	erence Ee KB to	vations: o GR/CF:) ft (KB)) ft (CF)) ft
Serial #: 8 Press@RunD Start Date: Start Time:		 @ 3117.00 ft (KB) End Date: End Time: 	2014.11.28 04:53:14	Capacity Last Cali Time On Time Off	b.: Btm: 2		8000.00 2014.11.28 @ 00:07:45 @ 02:15:45	5
EST COM	MENT: 30 - IF- 1/2" blow 30 - ISI- No retur 30 - FF- Surface	n						
	30 - FSI- No blow	1						
r		/ इंग्राट 2005 Тапражи	m Time			E SUMM		
270 270	30 - FSI- No blow Pressure vs. T	Set Toppedan	Time (Min.) (Min.) (Min.) 24 59 60 88 88 128 59 128 128	Pressure (psig) 1575.37 16.81 25.06 145.84 24.53 25.25 55.08 1552.99	Temp (deg F) 97.46 97.12 97.11 97.32 97.28 97.46	Annotatio	on o-static Flow (1) In(1) Flow (2) In(2)	
900	30 - FSI- No blow	Sime Set Toppedan Set Topped	(Min.) (Min.)	Pressure (psig) 1575.37 16.81 25.06 145.84 24.53 25.25 55.08	Temp (deg F) 97.46 97.12 97.12 97.28 97.28 97.46 97.73 98.31	Annotation Initial Hydro Open To F Shut-In(1) End Shut-In Open To F Shut-In(2) End Shut-In	on o-static Flow (1) In(1) Flow (2) In(2)	
270 270	30 - FSI- No blow	Sime Set Toppedan Set Topped	(Min.) (Min.)	Pressure (psig) 1575.37 16.81 25.06 145.84 24.53 25.25 55.08	Temp (deg F) 97.46 97.12 97.12 97.28 97.28 97.46 97.73 98.31	Annotation Open To F Shut-In(1) End Shut-I Open To F Shut-In(2) End Shut-I Final Hydro	on o-static Flow (1) Flow (2) In(2) o-static	Bas Rate (Mct/d)
270	30 - FSI- No blow	Time MAT Trappings MAT Trappings	(Min.) (Min.)	Pressure (psig) 1575.37 16.81 25.06 145.84 24.53 25.25 55.08	Temp (deg F) 97.46 97.12 97.32 97.28 97.46 97.73 98.31	Annotation Open To F Shut-In(1) End Shut-I Open To F Shut-In(2) End Shut-I Final Hydro	on o-static Flow (1) Flow (2) In(2) o-static	as Rate (Mcf/d)

Trilobite Testing, Inc

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Trilobite Testing, Inc





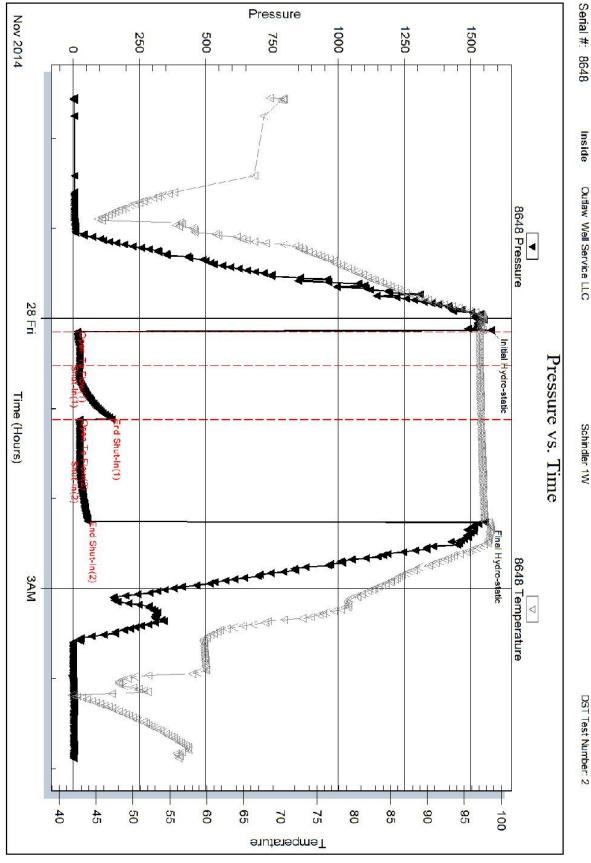












DST Test Number: 2

