

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 _____ 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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GLOBAL OIL FIELD SERVICES, LLC

0013228

REMIT TO 24 S. Lincoln
Russell, KS 67665

SERVICE POINT:
RUSSELL, KS

DATE 9-6-18	SEC 33	TWP. 143	RANGE 18W	CALLED OUT 4 PM	ON LOCATION 9 PM	JOB START 12:30 AM	JOB FINISH
LEASE HFM	WELL# 2	LOCATION Hays, KS - SOUTH TO BUTTERFLY			COUNTY ELLIS	STATE KS	
OLD OR NEW (CIRCLE ONE)			TRAIL - 1/2 W - SOUTH INTO				

CONTRACTOR WHITE KNIGHT DRILLING
 TYPE OF JOB LONG STRING
 HOLE SIZE 7 7/8 T.D. 3698
 CASING SIZE 5 1/2 15 50# DEPTH 3697 + 5' LJ
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL DV DEPTH 1262
 PRES. MAX 1500 PSI MINIMUM 0 PSI
 MEAS. LINE SHOE JOINT
 CEMENT LEFT IN CSG. 23.05'
 PERFS
 DISPLACEMENT LDC 87.5 BBL DV PLUS 30 BBL
 EQUIPMENT

PUMP TRUCK CEMENTER BRAD
 # 417 HELPER JASON
 BULK TRUCK
 # 379 DRIVER TOM
 BULK TRUCK
 # 473 DRIVER KRIS

REMARKS:
 Run in Casings w/ centralizers on 1, 3, 7, 11, 15, 19, 23, 27, 31, 35, 39, 43, 47, 51, 55, 59, 63, 67, 71, 75, 79, 83, 87, 91, 95, 99, 103, 107, 111, 115, 119, 123, 127, 131, 135, 139, 143, 147, 151, 155, 159, 163, 167, 171, 175, 179, 183, 187, 191, 195, 199, 203, 207, 211, 215, 219, 223, 227, 231, 235, 239, 243, 247, 251, 255, 259, 263, 267, 271, 275, 279, 283, 287, 291, 295, 299, 303, 307, 311, 315, 319, 323, 327, 331, 335, 339, 343, 347, 351, 355, 359, 363, 367, 371, 375, 379, 383, 387, 391, 395, 399, 403, 407, 411, 415, 419, 423, 427, 431, 435, 439, 443, 447, 451, 455, 459, 463, 467, 471, 475, 479, 483, 487, 491, 495, 499, 503, 507, 511, 515, 519, 523, 527, 531, 535, 539, 543, 547, 551, 555, 559, 563, 567, 571, 575, 579, 583, 587, 591, 595, 599, 603, 607, 611, 615, 619, 623, 627, 631, 635, 639, 643, 647, 651, 655, 659, 663, 667, 671, 675, 679, 683, 687, 691, 695, 699, 703, 707, 711, 715, 719, 723, 727, 731, 735, 739, 743, 747, 751, 755, 759, 763, 767, 771, 775, 779, 783, 787, 791, 795, 799, 803, 807, 811, 815, 819, 823, 827, 831, 835, 839, 843, 847, 851, 855, 859, 863, 867, 871, 875, 879, 883, 887, 891, 895, 899, 903, 907, 911, 915, 919, 923, 927, 931, 935, 939, 943, 947, 951, 955, 959, 963, 967, 971, 975, 979, 983, 987, 991, 995, 999, 1003, 1007, 1011, 1015, 1019, 1023, 1027, 1031, 1035, 1039, 1043, 1047, 1051, 1055, 1059, 1063, 1067, 1071, 1075, 1079, 1083, 1087, 1091, 1095, 1099, 1103, 1107, 1111, 1115, 1119, 1123, 1127, 1131, 1135, 1139, 1143, 1147, 1151, 1155, 1159, 1163, 1167, 1171, 1175, 1179, 1183, 1187, 1191, 1195, 1199, 1203, 1207, 1211, 1215, 1219, 1223, 1227, 1231, 1235, 1239, 1243, 1247, 1251, 1255, 1259, 1263, 1267, 1271, 1275, 1279, 1283, 1287, 1291, 1295, 1299, 1303, 1307, 1311, 1315, 1319, 1323, 1327, 1331, 1335, 1339, 1343, 1347, 1351, 1355, 1359, 1363, 1367, 1371, 1375, 1379, 1383, 1387, 1391, 1395, 1399, 1403, 1407, 1411, 1415, 1419, 1423, 1427, 1431, 1435, 1439, 1443, 1447, 1451, 1455, 1459, 1463, 1467, 1471, 1475, 1479, 1483, 1487, 1491, 1495, 1499, 1503, 1507, 1511, 1515, 1519, 1523, 1527, 1531, 1535, 1539, 1543, 1547, 1551, 1555, 1559, 1563, 1567, 1571, 1575, 1579, 1583, 1587, 1591, 1595, 1599, 1603, 1607, 1611, 1615, 1619, 1623, 1627, 1631, 1635, 1639, 1643, 1647, 1651, 1655, 1659, 1663, 1667, 1671, 1675, 1679, 1683, 1687, 1691, 1695, 1699, 1703, 1707, 1711, 1715, 1719, 1723, 1727, 1731, 1735, 1739, 1743, 1747, 1751, 1755, 1759, 1763, 1767, 1771, 1775, 1779, 1783, 1787, 1791, 1795, 1799, 1803, 1807, 1811, 1815, 1819, 1823, 1827, 1831, 1835, 1839, 1843, 1847, 1851, 1855, 1859, 1863, 1867, 1871, 1875, 1879, 1883, 1887, 1891, 1895, 1899, 1903, 1907, 1911, 1915, 1919, 1923, 1927, 1931, 1935, 1939, 1943, 1947, 1951, 1955, 1959, 1963, 1967, 1971, 1975, 1979, 1983, 1987, 1991, 1995, 1999, 2003, 2007, 2011, 2015, 2019, 2023, 2027, 2031, 2035, 2039, 2043, 2047, 2051, 2055, 2059, 2063, 2067, 2071, 2075, 2079, 2083, 2087, 2091, 2095, 2099, 2103, 2107, 2111, 2115, 2119, 2123, 2127, 2131, 2135, 2139, 2143, 2147, 2151, 2155, 2159, 2163, 2167, 2171, 2175, 2179, 2183, 2187, 2191, 2195, 2199, 2203, 2207, 2211, 2215, 2219, 2223, 2227, 2231, 2235, 2239, 2243, 2247, 2251, 2255, 2259, 2263, 2267, 2271, 2275, 2279, 2283, 2287, 2291, 2295, 2299, 2303, 2307, 2311, 2315, 2319, 2323, 2327, 2331, 2335, 2339, 2343, 2347, 2351, 2355, 2359, 2363, 2367, 2371, 2375, 2379, 2383, 2387, 2391, 2395, 2399, 2403, 2407, 2411, 2415, 2419, 2423, 2427, 2431, 2435, 2439, 2443, 2447, 2451, 2455, 2459, 2463, 2467, 2471, 2475, 2479, 2483, 2487, 2491, 2495, 2499, 2503, 2507, 2511, 2515, 2519, 2523, 2527, 2531, 2535, 2539, 2543, 2547, 2551, 2555, 2559, 2563, 2567, 2571, 2575, 2579, 2583, 2587, 2591, 2595, 2599, 2603, 2607, 2611, 2615, 2619, 2623, 2627, 2631, 2635, 2639, 2643, 2647, 2651, 2655, 2659, 2663, 2667, 2671, 2675, 2679, 2683, 2687, 2691, 2695, 2699, 2703, 2707, 2711, 2715, 2719, 2723, 2727, 2731, 2735, 2739, 2743, 2747, 2751, 2755, 2759, 2763, 2767, 2771, 2775, 2779, 2783, 2787, 2791, 2795, 2799, 2803, 2807, 2811, 2815, 2819, 2823, 2827, 2831, 2835, 2839, 2843, 2847, 2851, 2855, 2859, 2863, 2867, 2871, 2875, 2879, 2883, 2887, 2891, 2895, 2899, 2903, 2907, 2911, 2915, 2919, 2923, 2927, 2931, 2935, 2939, 2943, 2947, 2951, 2955, 2959, 2963, 2967, 2971, 2975, 2979, 2983, 2987, 2991, 2995, 2999, 3003, 3007, 3011, 3015, 3019, 3023, 3027, 3031, 3035, 3039, 3043, 3047, 3051, 3055, 3059, 3063, 3067, 3071, 3075, 3079, 3083, 3087, 3091, 3095, 3099, 3103, 3107, 3111, 3115, 3119, 3123, 3127, 3131, 3135, 3139, 3143, 3147, 3151, 3155, 3159, 3163, 3167, 3171, 3175, 3179, 3183, 3187, 3191, 3195, 3199, 3203, 3207, 3211, 3215, 3219, 3223, 3227, 3231, 3235, 3239, 3243, 3247, 3251, 3255, 3259, 3263, 3267, 3271, 3275, 3279, 3283, 3287, 3291, 3295, 3299, 3303, 3307, 3311, 3315, 3319, 3323, 3327, 3331, 3335, 3339, 3343, 3347, 3351, 3355, 3359, 3363, 3367, 3371, 3375, 3379, 3383, 3387, 3391, 3395, 3399, 3403, 3407, 3411, 3415, 3419, 3423, 3427, 3431, 3435, 3439, 3443, 3447, 3451, 3455, 3459, 3463, 3467, 3471, 3475, 3479, 3483, 3487, 3491, 3495, 3499, 3503, 3507, 3511, 3515, 3519, 3523, 3527, 3531, 3535, 3539, 3543, 3547, 3551, 3555, 3559, 3563, 3567, 3571, 3575, 3579, 3583, 3587, 3591, 3595, 3599, 3603, 3607, 3611, 3615, 3619, 3623, 3627, 3631, 3635, 3639, 3643, 3647, 3651, 3655, 3659, 3663, 3667, 3671, 3675, 3679, 3683, 3687, 3691, 3695, 3699, 3703, 3707, 3711, 3715, 3719, 3723, 3727, 3731, 3735, 3739, 3743, 3747, 3751, 3755, 3759, 3763, 3767, 3771, 3775, 3779, 3783, 3787, 3791, 3795, 3799, 3803, 3807, 3811, 3815, 3819, 3823, 3827, 3831, 3835, 3839, 3843, 3847, 3851, 3855, 3859, 3863, 3867, 3871, 3875, 3879, 3883, 3887, 3891, 3895, 3899, 3903, 3907, 3911, 3915, 3919, 3923, 3927, 3931, 3935, 3939, 3943, 3947, 3951, 3955, 3959, 3963, 3967, 3971, 3975, 3979, 3983, 3987, 3991, 3995, 3999, 4003, 4007, 4011, 4015, 4019, 4023, 4027, 4031, 4035, 4039, 4043, 4047, 4051, 4055, 4059, 4063, 4067, 4071, 4075, 4079, 4083, 4087, 4091, 4095, 4099, 4103, 4107, 4111, 4115, 4119, 4123, 4127, 4131, 4135, 4139, 4143, 4147, 4151, 4155, 4159, 4163, 4167, 4171, 4175, 4179, 4183, 4187, 4191, 4195, 4199, 4203, 4207, 4211, 4215, 4219, 4223, 4227, 4231, 4235, 4239, 4243, 4247, 4251, 4255, 4259, 4263, 4267, 4271, 4275, 4279, 4283, 4287, 4291, 4295, 4299, 4303, 4307, 4311, 4315, 4319, 4323, 4327, 4331, 4335, 4339, 4343, 4347, 4351, 4355, 4359, 4363, 4367, 4371, 4375, 4379, 4383, 4387, 4391, 4395, 4399, 4403, 4407, 4411, 4415, 4419, 4423, 4427, 4431, 4435, 4439, 4443, 4447, 4451, 4455, 4459, 4463, 4467, 4471, 4475, 4479, 4483, 4487, 4491, 4495, 4499, 4503, 4507, 4511, 4515, 4519, 4523, 4527, 4531, 4535, 4539, 4543, 4547, 4551, 4555, 4559, 4563, 4567, 4571, 4575, 4579, 4583, 4587, 4591, 4595, 4599, 4603, 4607, 4611, 4615, 4619, 4623, 4627, 4631, 4635, 4639, 4643, 4647, 4651, 4655, 4659, 4663, 4667, 4671, 4675, 4679, 4683, 4687, 4691, 4695, 4699, 4703, 4707, 4711, 4715, 4719, 4723, 4727, 4731, 4735, 4739, 4743, 4747, 4751, 4755, 4759, 4763, 4767, 4771, 4775, 4779, 4783, 4787, 4791, 4795, 4799, 4803, 4807, 4811, 4815, 4819, 4823, 4827, 4831, 4835, 4839, 4843, 4847, 4851, 4855, 4859, 4863, 4867, 4871, 4875, 4879, 4883, 4887, 4891, 4895, 4899, 4903, 4907, 4911, 4915, 4919, 4923, 4927, 4931, 4935, 4939, 4943, 4947, 4951, 4955, 4959, 4963, 4967, 4971, 4975, 4979, 4983, 4987, 4991, 4995, 4999, 5003, 5007, 5011, 5015, 5019, 5023, 5027, 5031, 5035, 5039, 5043, 5047, 5051, 5055, 5059, 5063, 5067, 5071, 5075, 5079, 5083, 5087, 5091, 5095, 5099, 5103, 5107, 5111, 5115, 5119, 5123, 5127, 5131, 5135, 5139, 5143, 5147, 5151, 5155, 5159, 5163, 5167, 5171, 5175, 5179, 5183, 5187, 5191, 5195, 5199, 5203, 5207, 5211, 5215, 5219, 5223, 5227, 5231, 5235, 5239, 5243, 5247, 5251, 5255, 5259, 5263, 5267, 5271, 5275, 5279, 5283, 5287, 5291, 5295, 5299, 5303, 5307, 5311, 5315, 5319, 5323, 5327, 5331, 5335, 5339, 5343, 5347, 5351, 5355, 5359, 5363, 5367, 5371, 5375, 5379, 5383, 5387, 5391, 5395, 5399, 5403, 5407, 5411, 5415, 5419, 5423, 5427, 5431, 5435, 5439, 5443, 5447, 5451, 5455, 5459, 5463, 5467, 5471, 5475, 5479, 5483, 5487, 5491, 5495, 5499, 5503, 5507, 5511, 5515, 5519, 5523, 5527, 5531, 5535, 5539, 5543, 5547, 5551, 5555, 5559, 5563, 5567, 5571, 5575, 5579, 5583, 5587, 5591, 5595, 5599, 5603, 5607, 5611, 5615, 5619, 5623, 5627, 5631, 5635, 5639, 5643, 5647, 5651, 5655, 5659, 5663, 5667, 5671, 5675, 5679, 5683, 5687, 5691, 5695, 5699, 5703, 5707, 5711, 5715, 5719, 5723, 5727, 5731, 5735, 5739, 5743, 5747, 5751, 5755, 5759, 5763, 5767, 5771, 5775, 5779, 5783, 5787, 5791, 5795, 5799, 5803, 5807, 5811, 5815, 5819, 5823, 5827, 5831, 5835, 5839, 5843, 5847, 5851, 5855, 5859, 5863, 5867, 5871, 5875, 5879, 5883, 5887, 5891, 5895, 5899, 5903, 5907, 5911, 5915, 5919, 5923, 5927, 5931, 5935, 5939, 5943, 5947, 5951, 5955, 5959, 5963, 5967, 5971, 5975, 5979, 5983, 5987, 5991, 5995, 5999, 6003, 6007, 6011, 6015, 6019, 6023, 6027, 6031, 6035, 6039, 6043, 6047, 6051, 6055, 6059, 6063, 6067, 6071, 6075, 6079, 6083, 6087, 6091, 6095, 6099, 6103, 6107, 6111, 6115, 6119, 6123, 6127, 6131, 6135, 6139, 6143, 6147, 6151, 6155, 6159, 6163, 6167, 6171, 6175, 6179, 6183, 6187, 6191, 6195, 6199, 6203, 6207, 6211, 6215, 6219, 6223, 6227, 6231, 6235, 6239, 6243, 6247, 6251, 6255, 6259, 6263, 6267, 6271, 6275, 6279, 6283, 6287, 6291, 6295, 6299, 6303, 6307, 6311, 6315, 6319, 6323, 6327, 6331, 6335, 6339, 6343, 6347, 6351, 6355, 6359, 6363, 6367, 6371, 6375, 6379, 6383, 6387, 6391, 6395, 6399, 6403, 6407, 6411, 6415, 6419, 6423, 6427, 6431, 6435, 6439, 6443, 6447, 6451, 6455, 6459, 6463, 6467, 6471, 6475, 6479, 6483, 6487, 6491, 6495, 6499, 6503, 6507, 6511, 6515, 6519, 6523, 6527, 6531, 6535, 6539, 6543, 6547, 6551, 6555, 6559, 6563, 6567, 6571, 6575, 6579, 6583, 6587, 6591, 6595, 6599, 6603, 6607, 6611, 6615, 6619, 6623, 6627, 6631, 6635, 6639, 6643, 6647, 6651, 6655, 6659, 6663, 6667, 6671, 6675, 6679, 6683, 6687, 6691, 6695, 6699, 6703, 6707, 6711, 6715, 6719, 6723, 6727, 6731, 6735, 6739, 6743, 6747, 6751, 6755, 6759, 6763, 6767, 6771, 6775, 6779, 6783, 6787, 6791, 6795, 6799, 6803, 6807, 6811, 6815, 6819, 6823, 6827, 6831, 6835, 6839, 6843, 6847, 6851, 6855, 6859, 6863, 6867, 6871, 6875, 6879, 6883, 6887, 6891, 6895, 6899, 6903, 6907, 6911, 6915, 6919, 6923, 6927, 6931, 6935, 6939, 6943, 6947, 6951, 6955, 6959, 6963, 6967, 6971, 6975, 6979, 6983, 6987, 6991, 6995, 6999, 7003, 7007, 7011, 7015, 7019, 7023, 7027, 7031, 7035, 7039, 7043, 7047, 7051, 7055, 7059, 7063, 7067, 7071, 7075, 7079, 7083, 7087, 7091, 7095, 7099, 7103, 7107, 7111, 7115, 7119, 7123, 7127, 7131, 7135, 7139, 7143, 7147, 7151, 7155, 7159, 7163, 7167, 7171, 7175, 7179, 7183, 7187, 7191, 7195, 7199, 7203, 7207, 7211, 7215, 7219, 7223, 7227, 7231, 7235, 7239, 7243, 7247, 7251, 7255, 7259, 7263, 7267, 7271, 7275, 7279, 7283, 7287, 7291, 7295, 7299, 7303, 7307, 7311, 7315, 7319, 7323, 7327, 7331, 7335, 7339, 7343, 7347, 7351, 7355, 7359, 7363, 7367, 7371, 7375, 7379, 7383, 7387, 7391, 7395, 7399, 7403, 7407, 7411, 7415, 7419, 7423, 7427, 7431, 7435, 7439, 7443, 7447, 7451, 7455, 7459, 7463, 7467, 7471, 7475, 7479, 7483, 7487, 7491, 7495, 7499, 7503, 7507, 7511, 7515, 7519, 7523, 7527, 7531, 7535, 7539, 7543, 7547, 7551, 7555, 7559, 7563, 7567, 7571, 7575, 7579, 7583, 7587, 7591, 7595, 7599, 7603, 7607, 7611, 7615, 7619, 7623, 7627, 7631, 7635, 7639, 7643, 7647, 7651, 7655, 7659, 7663, 7667, 7671, 7675, 7679, 7683, 7687, 7691, 7695, 7699, 7703, 7707, 7711, 7715, 7719, 7723, 7727, 7731, 7735, 7739, 7743, 7747, 7751, 7755, 7759, 7763, 7767, 7771, 7775, 7779, 7783, 7787, 7791, 7795, 7799, 7803, 7807, 7811, 7815, 7819, 7823, 7827, 7831, 7835



DRILL STEM TEST REPORT

Prepared For: **Habit Petroleum LLC**

PO Box 243
Hays KS 67601-9530

ATTN: Jerry Green, Irvin Ha

HFM #2-33

33-14s-18w Ellis,KS

Start Date: 2018.09.06 @ 09:00:40

End Date: 2018.09.06 @ 15:00:34

Job Ticket #: 63786 DST #: 1

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2018.09.07 @ 09:57:51



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Habit Petroleum LLC

33-14s-18w Ellis,KS

PO Box 243
Hays KS 67601-9530

HFM #2-33

Job Ticket: 63786

DST#: 1

ATTN: Jerry Green, Irvin Ha

Test Start: 2018.09.06 @ 09:00:40

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:22:05

Time Test Ended: 15:00:34

Test Type: Conventional Straddle (Initial)

Tester: Ray Schwager

Unit No: 77

Interval: 3617.00 ft (KB) To 3665.00 ft (KB) (TVD)

Reference Elevations: ft (KB)

Total Depth: 3698.00 ft (KB) (TVD)

ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: ft

Serial #: 8360

Inside

Press@RunDepth: 78.41 psig @ 3627.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2018.09.06 End Date: 2018.09.06

Last Calib.: 2018.09.06

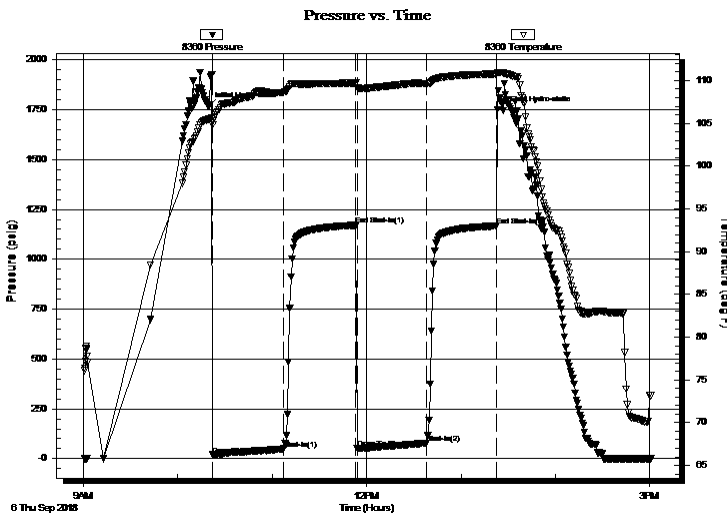
Start Time: 09:00:40 End Time: 15:00:34

Time On Btm: 2018.09.06 @ 10:19:35

Time Off Btm: 2018.09.06 @ 13:26:50

TEST COMMENT: 45-IFP-w eak blow 1/2" to 2blow
45-ISIP-no blow
45-FFP-w eak blow 1/2" to 1 3/4" blow
45-FSIP-no blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1765.88	105.50	Initial Hydro-static
3	19.25	104.83	Open To Flow (1)
48	48.58	108.61	Shut-In(1)
94	1170.63	109.71	End Shut-In(1)
95	51.68	109.19	Open To Flow (2)
139	78.41	109.58	Shut-In(2)
183	1167.10	110.77	End Shut-In(2)
188	1745.75	110.89	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
50.00	MGO 15%G30%M55%O	0.70
110.00	CO	1.54
0.00	85' GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Habit Petroleum LLC

33-14s-18w Ellis,KS

PO Box 243
Hays KS 67601-9530

HFM #2-33

Job Ticket: 63786

DST#: 1

ATTN: Jerry Green, Irvin Ha

Test Start: 2018.09.06 @ 09:00:40

Tool Information

Drill Pipe:	Length: 3616.00 ft	Diameter: 3.80 inches	Volume: 50.72 bbl	Tool Weight:	2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose:	60000.00 lb
			<u>Total Volume: 50.72 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial	48000.00 lb
Depth to Top Packer:	3617.00 ft			Final	48000.00 lb
Depth to Bottom Packer:	3665.00 ft				
Interval between Packers:	48.00 ft				
Tool Length:	104.00 ft				
Number of Packers:	3	Diameter: 6.75 inches			

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3597.00	
Shut In Tool	5.00			3602.00	
Hydraulic tool	5.00			3607.00	
Packer	5.00			3612.00	21.00 Bottom Of Top Packer
Packer	5.00			3617.00	
Stubb	1.00			3618.00	
Perforations	9.00			3627.00	
Recorder	0.00	8360	Inside	3627.00	
Recorder	0.00	8673	Outside	3627.00	
Blank Spacing	33.00			3660.00	
Perforations	1.00			3661.00	
Blank Off Sub	1.00			3662.00	
Blank Spacing	3.00			3665.00	48.00 Tool Interval
Packer	5.00			3670.00	
Recorder	0.00	8373	Below	3670.00	
Blank Spacing	30.00			3700.00	35.00 Bottom Packers & Anchor
Total Tool Length:	104.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Habit Petroleum LLC

33-14s-18w Ellis,KS

PO Box 243
Hays KS 67601-9530

HFM #2-33

Job Ticket: 63786

DST#: 1

ATTN: Jerry Green, Irvin Ha

Test Start: 2018.09.06 @ 09:00:40

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

28 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 49.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.76 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 8000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
50.00	MGO 15%G30%M55%O	0.701
110.00	CO	1.543
0.00	85' GIP	0.000

Total Length: 160.00 ft Total Volume: 2.244 bbl

Num Fluid Samples: 0

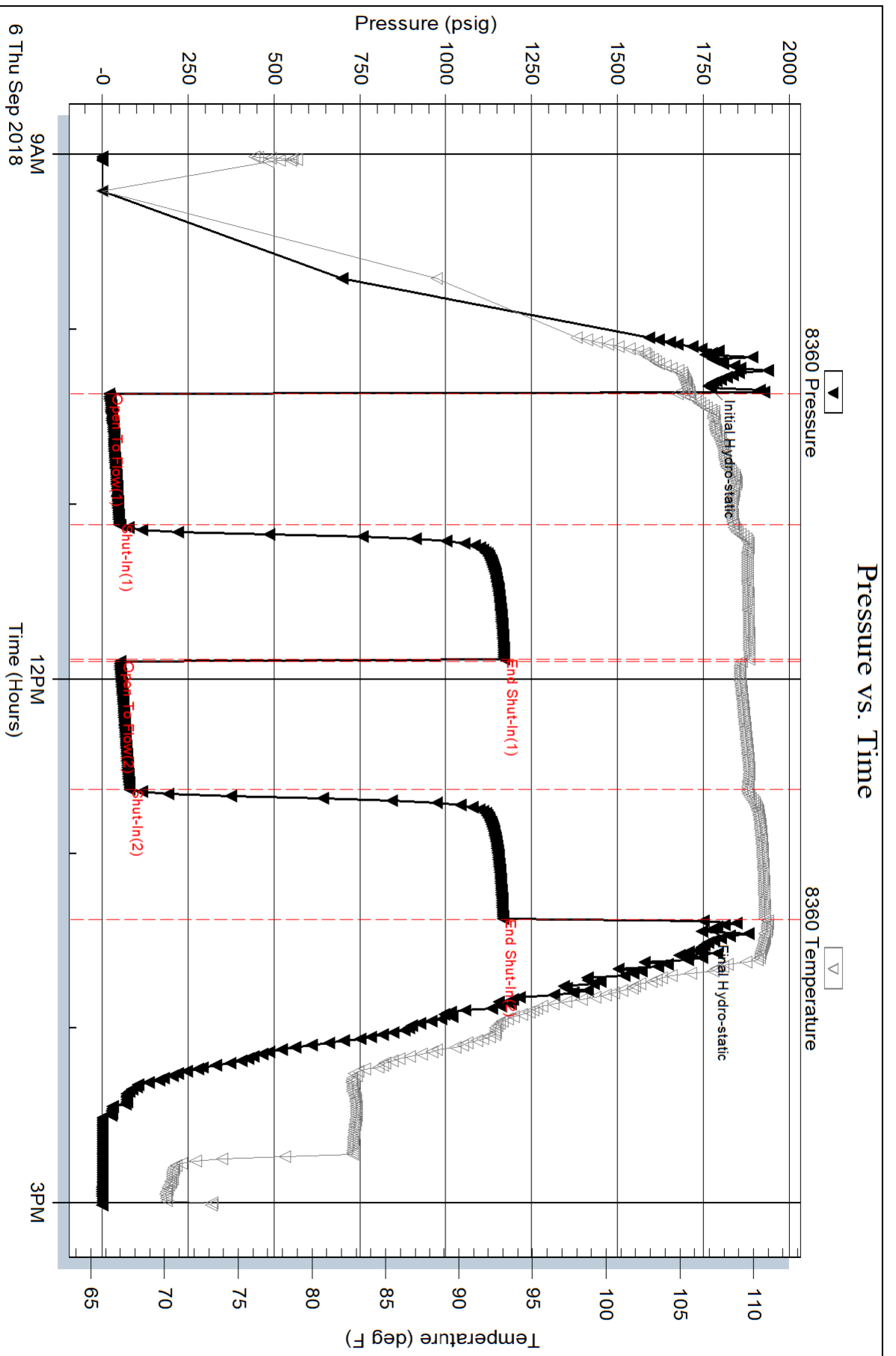
Num Gas Bombs: 0

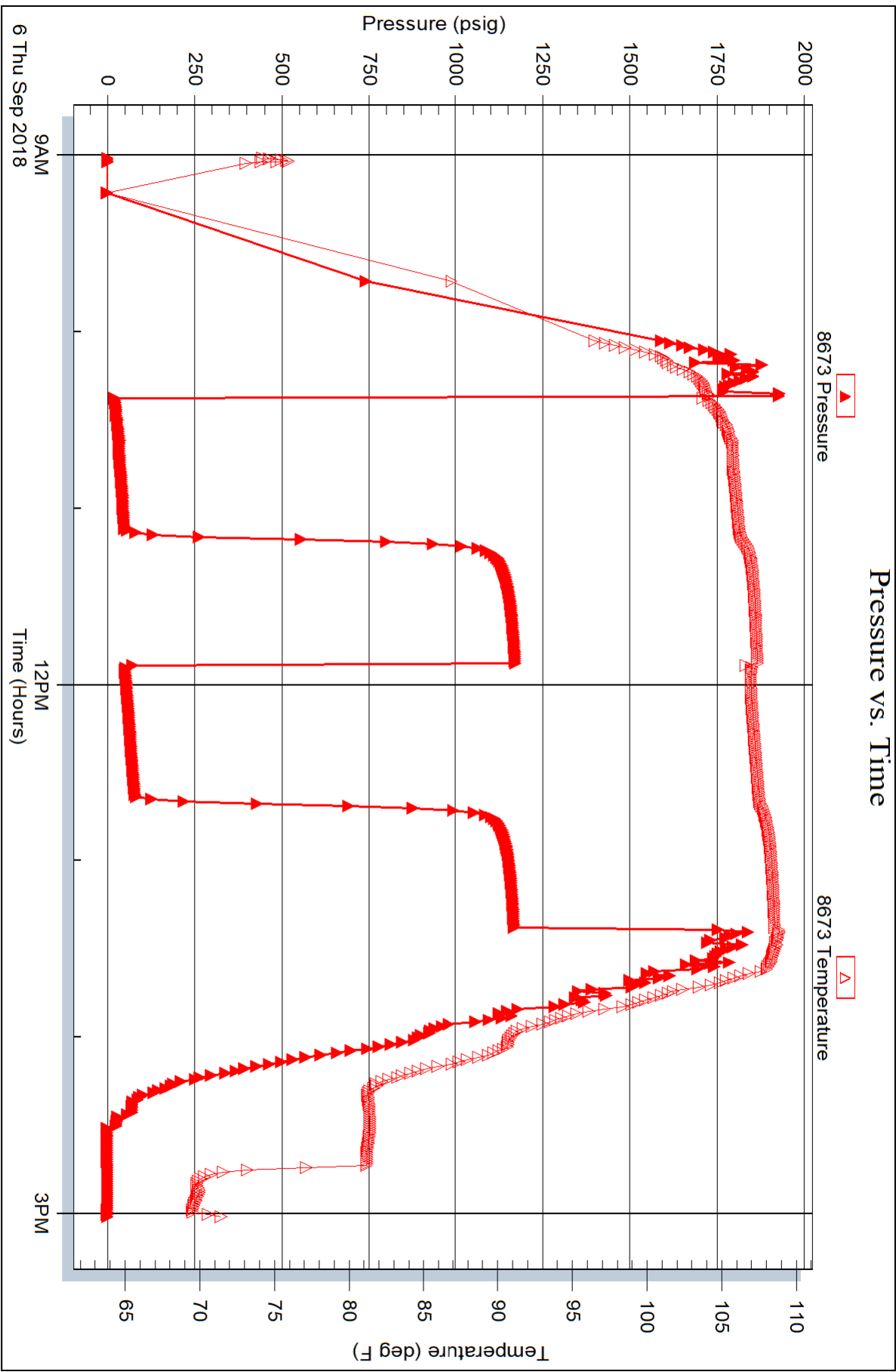
Serial #:

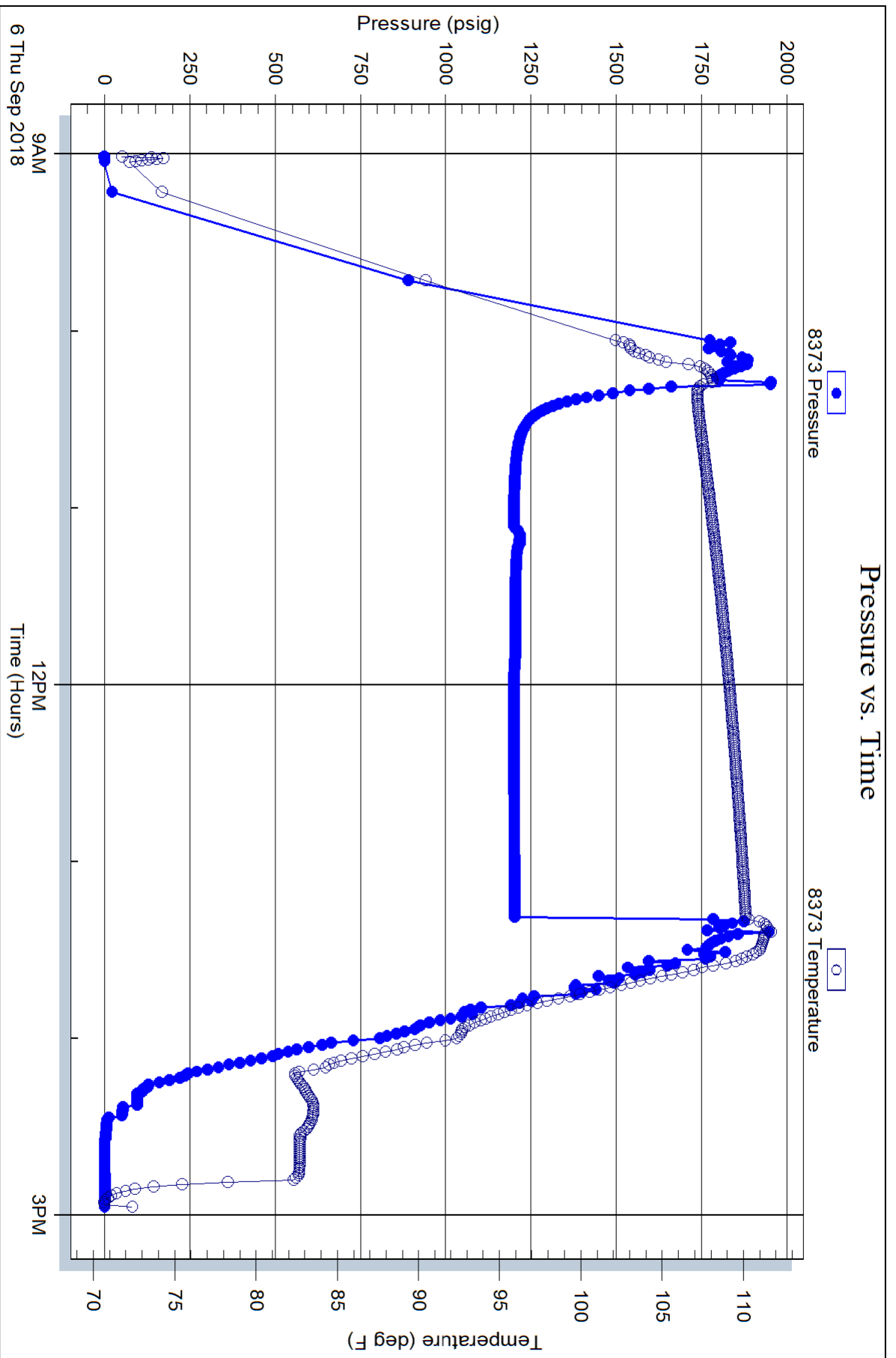
Laboratory Name:

Laboratory Location:

Recovery Comments:









TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 63786

Well Name & No. HFM # 2-33 Test No. 1 Date 9-6-18
 Company Habit Petroleum LLC Elevation 2055 KB 2050 GL
 Address 639 280th Ave PO Box 243 Hays, KS 67601-9530
 Co. Rep / Geo. Jerry Green Rig White Knight rig 1
 Location: Sec. 33 Twp 14^s Rge. 18^w Co. FL15 State K

Interval Tested 3617-3665 Zone Tested Arbuckle
 Anchor Length 48 Drill Pipe Run 3616 Mud Wt. 9.3
 Top Packer Depth 3617-3612 Drill Collars Run — Vis 49
 Bottom Packer Depth 3665 Wt. Pipe Run — WL 10.8
 Total Depth 3698 Chlorides 8000 ppm System LCM 2#
 Blow Description IFP - WEAK Blow 1/2" To 2" Blow
ISTP - NO Blow
FFP - WEAK Blow 1/2" To 1 3/4" Blow
FSTP - NO Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>85</u>	<u>GIP</u>				
<u>110</u>	<u>CO</u>				
<u>50</u>	<u>MGO</u>	<u>15</u>	<u>55</u>		<u>30</u>

Rec Total 1600 BHT 110 Gravity 28 API RW — @ — °F Chlorides — ppm
 Test 1050 T-On Location 0800
 Jars _____ T-Started 0900
 Safety Joint _____ T-Open 1020
 Circ Sub _____ T-Pulled 1320
 Hourly Standby _____ T-Out 1500
 Mileage 15 rt Comments _____
 Sampler _____
 Straddle 600 Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 1665
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1665

Approved By _____

Our Representative Ray Shuman Thank you

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

JERRY GREEN

CONSULTING GEOLOGIST
4350 Keystone Rd
HAYS, KS 67601
PHONE: 785-625-5155

GEOLOGIST'S REPORT DRILLING TIME AND SAMPLE LOG

COMPANY HABIT PETROLEUM LLC
ELEVATIONS
LEASE HEM#2
KB 2055

FIELD
LOCATION 850 FNL 2310 FWL
SEC 33 TWP 14S RGE 18W
COUNTY ELLIS STATE KS
CONTRACTOR WHITE KNIGHT DRLG.
SPUD 9-1-18 COMP 9-7-18
RTD 3698 LTD 3697
MUD UP 2900' TYPE MUD CHEM.

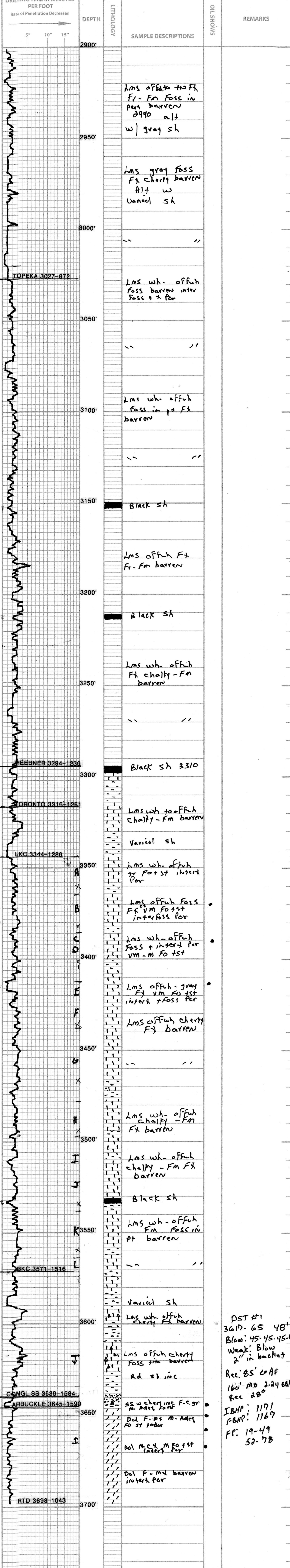
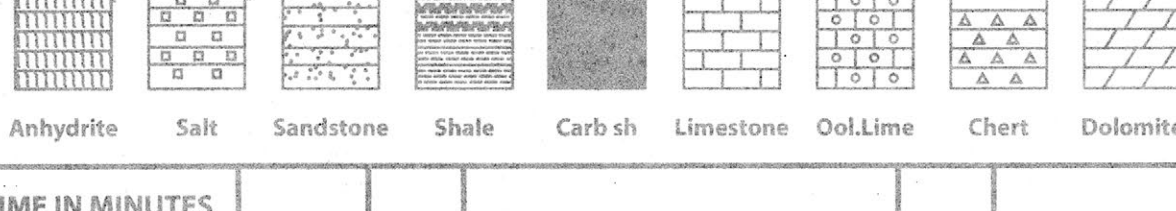
SAMPLES SAVED FROM 2900' TO TD.
DRILLING TIME KEPT FROM 2900' TO TD.
SAMPLES EXAMINED FROM 2900' TO TD.
GEOLOGICAL SUPERVISION FROM 2900' TO TD.
GEOLOGIST ON WELL 4TH-6TH

FORMATION TOPS	LOG	SAMPLES
ANHY TOPEKA	1294-78.821 3022-987	1295-81.820 3027-972
HEEBNER	3292-1237	3294-1239
TORONTO	3313-1258	3316-1261
LKC	3342-1287	3344-1289
BKC	3569-1514	3571-1516
CONGL SS	3639-1584	3639-1584
ARBUCKLE	3645-1590	3645-1590
RTD	3697-1642	3698-1643

MEASUREMENTS ARE ALL FROM SURFACE @ 219' ELECTRICAL SURVEYS D/L/N/D/MICRO

REMARKS: All parties involved recommended that pipe be set on this well. The Arbutk, Congl and "B" should be tested initially. The CD, and A should be tested before abandoning. respectfully submitted

LEGEND



DST #1
3617-65 48"
Blow: 45-45-45-45
Weak: Blow 2" in bucket
Rec: 85' CAF
160' MD 2.211 68/5
Rec 28"
IBHP: 1171
FBHP: 1167
FP: 19-49
52-78