EDISON OPERATING COMPANY LLC

Scale 1:240 Imperial

Well Name: Wild Turkey #1-7
Surface Location: Sec. 7 - T24S - R12W
Bottom Location:
API: 15-185-24025-0000
License Number: 34434
Spud Date: 8/8/2018 Time: 3:00 PM
Region: Stafford County
Drilling Completed: 8/16/2018 Time: 2:25 PM
Surface Coordinates: 2266' FNL & 2262' FEL
Bottom Hole Coordinates:
Ground Elevation: 1887.00ft
K.B. Elevation: 1897.00ft
Logged Interval: 2900.00ft To: 4125.00ft
Total Depth: 4125.00ft
Formation: Viola
Drilling Fluid Type: Chemical/Fresh Water Gel

OPERATOR

Company: Edison Operating Company LLC
Address: 8100 E. 22nd St. North
Building 1900
Wichita, KS 67226
Contact Geologist: David Withrow
Contact Phone Nbr: 316.613.1544
Well Name: Wild Turkey #1-7
Location: Sec. 7 - T24S - R12W
API: 15-185-24025-0000
Pool: Field: Knoche West
State: Kansas Country: USA

LOGGED BY

EDISON OPERATING COMPANY LLC

Company: Edison Operating Company LLC
Address: 8100 E. 22nd St. North
Building 1900
Wichita, KS 67226
Phone Nbr: 316.655.3550
Logged By: Geologist Name: Derek W. Patterson

REMARKS

After review of the geologic log, DST results, and the open hole logs for the Wild Turkey #1-7, it was decided upon by operator to run 5 1/2" production casing for further evaluation of said well.

Respectfully Submitted,

Derek W. Patterson

GENERAL INFORMATION

Service Companies

Drilling Contractor: Southwind Drilling - Rig #1
Tool Pusher: Wes Pfaff
Daylight Driller: Travis Epp
Evening Driller: Ryan Baker
Morning Driller: Jesse Thurman

Gas Detector: Bluestem Environmental
Engineer: Keith Reavis
Unit: 5258'
Operational By: 1700'

Drilling Fluid: Mud-Co/Service Mud Inc.
Engineers: Rick Hughes
Jason Whiting

Logging Company: Eli Wireline
Engineer: Gus Pfanenstiel
Logs Ran: DI, CDNL, Micro, Sonic

Testing Company: Eagle Testers
Tester: Gene Budig

Deviation Survey	
Depth	Survey
432'	1/4°
3563'	1°
RTD - 4125'	3/4°

Pipe Strap	
Depth	Pipe Strap
3563'	1.58' Long to Board

Bit Record								
Bit #	Size	Make	Type	Serial Number	Depth In	Depth Out	Feet	Hours
1	12 1/4"	J-2	RT	RR	0'	432'	432'	6.25
2	7 7/8"	Varel	HC-29	1587927	432'	4125'	3693'	82.25

Surface Casing	
8.9.2018	Ran 10 joints of new 23#, 8 5/8" surface casing, tallying 420.75', set @ 432' KB. Cemented with 175 sacks A-Con followed 175 sacks 60/40 Poz, 4% cc, 2% gel, 1/4 #/sx flocell. Cement did circulate. Plug down @ 0330 hrs 8.9.18. By Basic Energy Services.

Production Casing	
8.17.2018	Ran 101 joints of new 17# 5 1/2" production casing, tallying 4111.97', set @ 4122' KB. Cemented with 175 sacks AA-2 10% salt, 5% calset, 0.3% FR, 0.3% FLR-322, 1% GB & 5#/ sx gilsonite. Cement did circulate. Plug down @ 1305 hrs 8.17.18. By Basic Energy Services.

DAILY DRILLING REPORT

Date	0700 Hrs Depth	Previous 24 Hours of Operations
8.12.2018	3435'	Displace mud system @ 2843'. Drilling and connections upper Pennsylvanian beds. Geologist Derek W. Patterson on location 2145 hrs 8.11.18. Drilling and connections Topeka. Drilling and connections Topeka, Heebner, Toronto, and into Douglas. Drilling and connections Douglas. Made 813' over past 24 hrs of operations. WOB: 30-35k RPM: 80 PP: 710-850 SPM: 60 DMC: $1,868.99 CMC: $6,115.88
8.13.2018	3586'	Drilling and connections Douglas and into Brown Lime. Short trip @ 3494', 0920 hrs 8.12.18. Conduct 15 stand short trip, CTCH. Resume drilling following short trip, 1100 hrs 8.12.18. Drilling and connections Brown Lime and Lansing Kansas-City. CFS @ 3541' (LKC 'B') and 3563' (LKC 'D'). Shows warrant test. CTCH, drop survey, strap out of hole for DST #1 1715 hrs 8.12.18. Rig up tester, make up tool, TIH with tool. Conduct DST #1, test successful. TIH with bit, CTCH, resume drilling following DST #1 0500 hrs 8.13.18. Drilling and connections Lansing-Kansas City. CFS @ 3586' (LKC 'F'). Made 151' over past 24 hrs of operations. WOB: 30-35k RPM: 80 PP: 800 SPM: 60 DMC: $93.89 CMC: $6,209.77
8.14.2018	3740'	CFS @ 3586' (LKC 'F') and CFS 3608' (LKC 'G'). Drilling and connections Lansing-Kansas City. CFS @ 3655' (LKC 'H'). Shows warrant test. CTCH, TOH for DST #2 1230 hrs 8.13.18. TIH with tool. Conduct DST #2, test successful. TIH with bit, CTCH, resume drilling following DST #2 0005 hrs 8.14.18. Drilling and connections Lansing-Kansas City. CFS @ 3692' (LKC 'J'). Drilling and connections Lansing-Kansas City. CFS @ 3724' (LKC 'K'). Resume drilling and connections Lansing-Kansas City. Made 154' over past 24 hrs of operations. WOB: 35k RPM: 80 PP: 750 SPM: 60 DMC: $856.48 CMC: $7,066.25
8.15.2018	3902'	Drilling and connections Lansing-Kansas City. CFS @ 3760' (LKC 'L'). Resume drilling and connections Lansing-Kansas City, Base Kansas City, and into Marmaton. CFS @ 3820' (Marmaton). Resume drilling and connections Kinderhook and into Viola. CFS @ 3880' (Viola) and 3902' (Viola). Shows warrant test. CTCH, TOH for DST #3 2035 hrs 8.14.18. TIH with tool. Conduct DST #3, test successful. TIH with bit. Made 162' over past 24 hrs of operations. WOB: 35k RPM: 80 PP: 750 SPM: 60 DMC: $1,597.38 CMC: $8,663.63
8.16.2018	4015'	TIH with bit, CTCH following DST #3. Resume drilling following DST #3 0935 hrs. Drilling and connections Viola. CFS @ 3926' (Viola). Shows warrant test. CTCH, TOH for DST #4 1210 hrs 8.15.18. TIH with tool. Conduct DST #4, test successful. TIH with bit, CTCH. Resume drilling and connections Viola 2305 hrs 8.15.18. Drilling and connections Viola and into Simpson. CFS @ 4014' (Simpson). Resume drilling and connections Simpson. Made 113' over past 24 hrs of operations. WOB: 35k RPM: 80 PP: 700 SPM: 60 DMC: $687.46 CMC: $9,351.09
8.17.2018	RTD - 4125' LTD - 4124'	Drilling and connections Simpson. CFS @ 4030' (Simpson). Resume drilling and connections Simpson and into Arbuckle. CFS @ 4058' (Arb). Resume drilling and connections Arbuckle ahead to RTD of 4125'. RTD reached 1425 hrs 8.16.18. CTCH, drop survey, TOH for open hole logging operations. Rig up Eli Wireline. Conduct open hole logging operations. Orders received to run 5 1/2" production casing to further test the well. Geologist off location 2130 hrs 8.16.18. Made 110' over past 24 hrs of operations. WOB: 35k RPM: 80 PP: 700 SPM: 60 DMC: $1,127.07 CMC: $10,478.16

WELL COMPARISON SHEET

	Drilling Well				Comparison Well				Comparison Well				Comparison Well			
	Edison Operating - Wild Turkey #1-7 Sec. 7 - T24S - R12W 2266' FNL & 2262' FEL 1887 GL 1897 KB				McCoy Petroleum - Bartlett #1 Sec. 7 - T24S - R12W SE SW NE DHCA - Viola 1898 KB		Structural Relationship		Trans Pacific - Bartlett #1 Sec. 7 - T24S - R12W NE SW NE DRY 1897 KB		Structural Relationship		Mustang Drlg - Carl Hildebrand #1 Sec. 7 - T24S - R12W SE SE NW DHCA - Viola 1893 KB		Structural Relationship	
Formation	Sample	Sub-Sea	Log	Sub-Sea	Log	Sub-Sea	Sample	Log	Log	Sub-Sea	Sample	Log	Log	Sub-Sea	Sample	Log
Topeka	3019	-1122	3018	-1121	3021	-1123	1	2	3017	-1120	-2	-1	3018	-1125	3	4
King Hill	3132	-1235	3132	-1235	3134	-1236	1	1	3130	-1233	-2	-2	3130	-1237	2	2
Queen Hill	3230	-1333	3231	-1334	3233	-1335	2	1	3228	-1331	-2	-3	3230	-1337	4	3
Heebner	3336	-1439	3336	-1439	3339	-1441	2	2	3332	-1435	-4	-4	3335	-1442	3	3
Toronto	3354	-1457	3352	-1455	3356	-1458	1	3	3350	-1453	-4	-2	3354	-1461	4	6
Douglas	3373	-1476	3370	-1473	3373	-1475	-1	2	3367	-1470	-6	-3	3370	-1477	1	4
Brown Lime	3480	-1583	3481	-1584	3484	-1586	3	2	3476	-1579	-4	-5	3481	-1588	5	4
Lansing-Kansas City	3505	-1608	3507	-1610	3510	-1612	4	2	3505	-1608	0	-2	3506	-1613	5	3
LKC 'B'	3523	-1626	3526	-1629	3529	-1631	5	2	3522	-1625	-1	-4	3526	-1633	7	4
LKC 'D'	3546	-1649	3547	-1650	3552	-1654	5	4	3546	-1649	0	-1	3548	-1655	6	5
LKC 'F'	3576	-1679	3576	-1679	3580	-1682	3	3	3574	-1677	-2	-2	3575	-1682	3	3
LKC 'G'	3590	-1693	3589	-1692	3592	-1694	1	2	3586	-1689	-4	-3	3588	-1695	2	3
Muncie Creek	3636	-1739	3637	-1740	3641	-1743	4	3	3634	-1737	-2	-3	3636	-1743	4	3
LKC 'H'	3639	-1742	3640	-1743	3645	-1747	5	4	3638	-1741	-1	-2	3639	-1746	4	3
LKC 'I'	3658	-1761	3657	-1760	3662	-1764	3	4	3655	-1758	-3	-2	3655	-1762	1	2
LKC 'J'	3672	-1775	3672	-1775	3678	-1780	5	5	3672	-1775	0	0	3672	-1779	4	4
Stark	3703	-1806	3704	-1807	3707	-1809	3	2	3702	-1805	-1	-2	3701	-1808	2	1
LKC 'K'	3709	-1812	3711	-1814	3715	-1817	5	3	3711	-1814	2	0	3709	-1816	4	2
Hushpuckney	3743	-1846	3743	-1846	3748	-1850	4	4	3742	-1845	-1	-1	3741	-1848	2	2
LKC 'L'	3750	-1853	3750	-1853	3756	-1858	5	5	3748	-1851	-2	-2	3748	-1855	2	2
Base Kansas City	3777	-1880	3775	-1878	3780	-1882	2	4	3776	-1879	-1	1	3772	-1879	-1	1
Marmaton	3784	-1887	3785	-1888	3789	-1891	4	3	3785	-1888	1	0	3784	-1891	4	3
Kinderhook	3820	-1923	3820	-1923	3831	-1933	10	10	3821	-1924	1	1	3822	-1929	6	6
Viola	3857	-1960	3857	-1960	3870	-1972	12	12	3862	-1965	5	5	3864	-1971	11	11
Simpson	3998	-2101	3997	-2100	4002	-2104	3	4	3993	-2096	-5	-4	3995	-2102	1	2
Simpson Sand	4006	-2109	4006	-2109	4012	-2114	5	5	Not Called				3998	-2105	-4	-4
Arbuckle	4052	-2155	4054	-2157	4061	-2163	8	6	4054	-2157	2	0	4052	-2159	4	2
Total Depth	4125	-2228	4124	-2227	4150	-2252	24	25	4067	-2170	-58	-57	4166	-2273	45	46

ROCK TYPES

△	Cht	▬	LMST1	▬	LMST5	▬	SHALE GRN	▬	SHALE TEAI
▲	Cht blk	▬	LMST2	▨	Ss	▬	SHALE GRA		
▨	DOL2	▬	LMST3	▬	SHALE BRN	▬	SHALE PUR		
▨	DOL4	▬	LMST4	▬	SHALE CAR	▬	SHALE RED		

ACCESSORIES

MINERAL
- ▲ Chert, dark
- Dolomitic
- Heavy, dark minerals
- P Pyrite
- Sandy
- Silty
- △ Chert White
- Euhed rhombs of dol or c

FOSSIL
- ◠ Bioclastic or Fragmental
- F Fossils < 20%
- Oolite
- Oomoldic

STRINGER
- ▬ Dolomite4
- ▬ Limestone4
- ▬ Sandstone
- ▬ Siltstone

TEXTURE
- C Chalky
- L Lithogr

OTHER SYMBOLS

MISC
- DR Daily Report
- Digital Photo
- Document
- Folder
- Link
- Vertical Log File
- Horizontal Log File
- Core Log File
- Drill Cuttings Rpt

DST
- ■ DST1
- ■ DST2
- ■ DST3
- ■ Core
- ‖ tail pipe

Printed by GEOstrip VC Striplog version 4.0.8.15 (www.grsi.ca)

Curve Track #1
ROP (min/ft)
Gamma (API)
Cal (in)
Depth | Intervals
Cored Interval
DST Interval
DST
Lithology
Oil Show
Geological Descriptions
TG, C1 - C5
Total Gas (units)
C1 (units)
C2 (units)
C3 (units)
C4 (units)
1:240 Imperial
Displace Mud System @ 2843'
Mud-Co Mud Ck @ 2780' (pre-disp) 1110 hrs 8.11.18 Vis: 29 Wt: 9.8 PV: 2 YP: 3 WL: N/C Cake: - pH: 7.0
Start 10' Wet & Dry Samples
SEVERY 2984 (-1087)
TOPEKA 3018' (-1121')
KING HILL 3132' (-1235')
Geologist Derek W. Patterson On Location 2140 hrs 8.11.18
QUEEN HILL 3231' (-1334')
HEEBNER 3336' (-1439')
TORONTO 3352' (-1455')
DOUGLAS 3370' (-1473')
Short Trip
BROWN LIME 3481' (-1584')
LANSING-KANSAS CITY 3507' (-1610')
MUNCIE CREEK 3637' (-1740')
STARK 3704' (-1807')
HUSHPUCKNEY 3743' (-1846')
BASE KANSAS CITY 3775' (-1878')
MARMATON 3785' (-1888')
KINDERHOOK 3820' (-1923')
VIOLA 3857' (-1960')
pH: 10.0 CHL: 9,000 ppm Cal: 60 Solids: 5.9 LCM: 1 #/bbl
303u Total
Mud-Co Mud Ck @ 4050' 1020 hrs 8.16.18 Vis: 50 Wt: 9.3 PV: 12 YP: 13 WL: 11.2 Cake: 2/32nd pH: 10.5 CHL: 9,500 ppm Cal: 90 Solids: 6.5 LCM: 1/2 #/bbl
319u Total
Kick from pit mud added to mud system?

3920' cfs 20' - Dolomite: cream, mostly friable matrix, f-coarsexln with good rhombic development and associated porosity, excellent show oil and gas, even yellow fluorescence, bluish-white cut, with abundant Chert as above, increase in shows from above, fair odor.

3926' cfs 40"/60" - Influx Chert: brown tan, weathered dolomitic, very good weathered porosity, excellent show oil and gas from porosity, even yellow fluorescence, bluish-white cut, with Dolomite as above, fair odor.

Chert: brown tan, weathered dolomitic, very good weathered porosity, slight decrease in show oil and gas from above, even yellow fluorescence, bluish-white cut, with continued scattered fxln Dolomite, fair odor.

Chert: white cream, opaque, vitreous, most fresh and sharp with some slightly weathered, dolomitic in part, poor visible porosity, most shows drop out (sluff?).

Chert: cream gray white, opaque, vitreous, most fresh and sharp with some slightly weathered chalky material, dolomitic in part, poor visible porosity, no shows.

Chert: cream gray white, opaque, vitreous, most fresh and sharp with some slightly chalky, dolomitic in part, poor visible porosity, no shows.

Limestone: cream lt cream, dense cherty matrix, cryptoxln-lithographic non-descript, no visible porosity, no shows, with fair amount of Chert: white cream, opaque, vitreous, fresh and sharp, no shows.

SIMPSON 3997' (-2100')

Shale: pale green gray dk red, blocky and dense.

4014' cfs 40"/60" - Sandstone: gray white, sub-friable matrix, well cemented to soft chalky matrix, sub-rounded, fgrained, good intergranular porosity, heavily micaceous, few pieces with poor dead stain, no live shows, no fluorescence, no odor.

Sandstone: gray white, sub-friable matrix, well cemented, sub-rounded, fgrained, good intergranular porosity, heavily micaceous, scattered pieces with heavy oil saturation and good show upon break, spotty fluorescence, bluish-white cut in show rocks, no odor.

Shale: gray dk gray teal dk red maroon, blocky and dense, with abundant Sandstone (stringers?) as above.

Shale: gray dk gray teal dk red maroon, blocky and dense, arenaceous in part, pyritic in part, with scattered Pyrite nodules.

Shale: gray dk gray teal dk red maroon, blocky and dense.

ARBUCKLE 4054' (-2157')

4058' cfs - Dolomite: off white lt cream tan, mostly friable matrix, vfxln-fxln, arenaceous to oolitic in part, scattered good oomoldic porosity, fair interxln porosity, no shows, even pale yellow mineral fluorescence, slight sulfur odor.

Dolomite: cream off white, sub-friable matrix, vf-fxln, fair rhombic development and associated porosity, no shows, even pale yellow mineral fluorescence, no odor.

Dolomite: gray cream tan, dense matrix, microxln, poor-no visible porosity, no shows, even pale yellow mineral fluorescence, with scattered Chert: bone white, fresh and sharp, no odor.

Dolomite: gray cream tan, dense matrix, micro-vfxln, poor visible porosity, no shows, even pale yellow mineral fluorescence, with scattered Chert: bone white, fresh and sharp, no odor.

Dolomite: lt cream tan, dense matrix, vfxln, poor xln development, fair interxln porosity, no shows, even pale yellow mineral fluorescence, with scattered Chert: bone white cream gray, fresh and sharp, no odor.

4125' cfs 20" - Dolomite: cream lt cream, dense to sub-friable matrix, vf-fxln with some scattered coarsexln, fair xln development, overall fair interxln porosity, no shows, even pale yellow mineral fluorescence, no odor, with abundant loose chalky material, sample washes white.

4125' cfs 40/60" - Dolomite: lt cream, dense to sub-friable matrix, vf-fxln, fair xln development, overall fair interxln porosity, no shows, even pale yellow mineral fluorescence, no odor, with abundant loose chalky material, sample washes white.

RTD 4125' (-2228')
LTD 4124' (-2227')

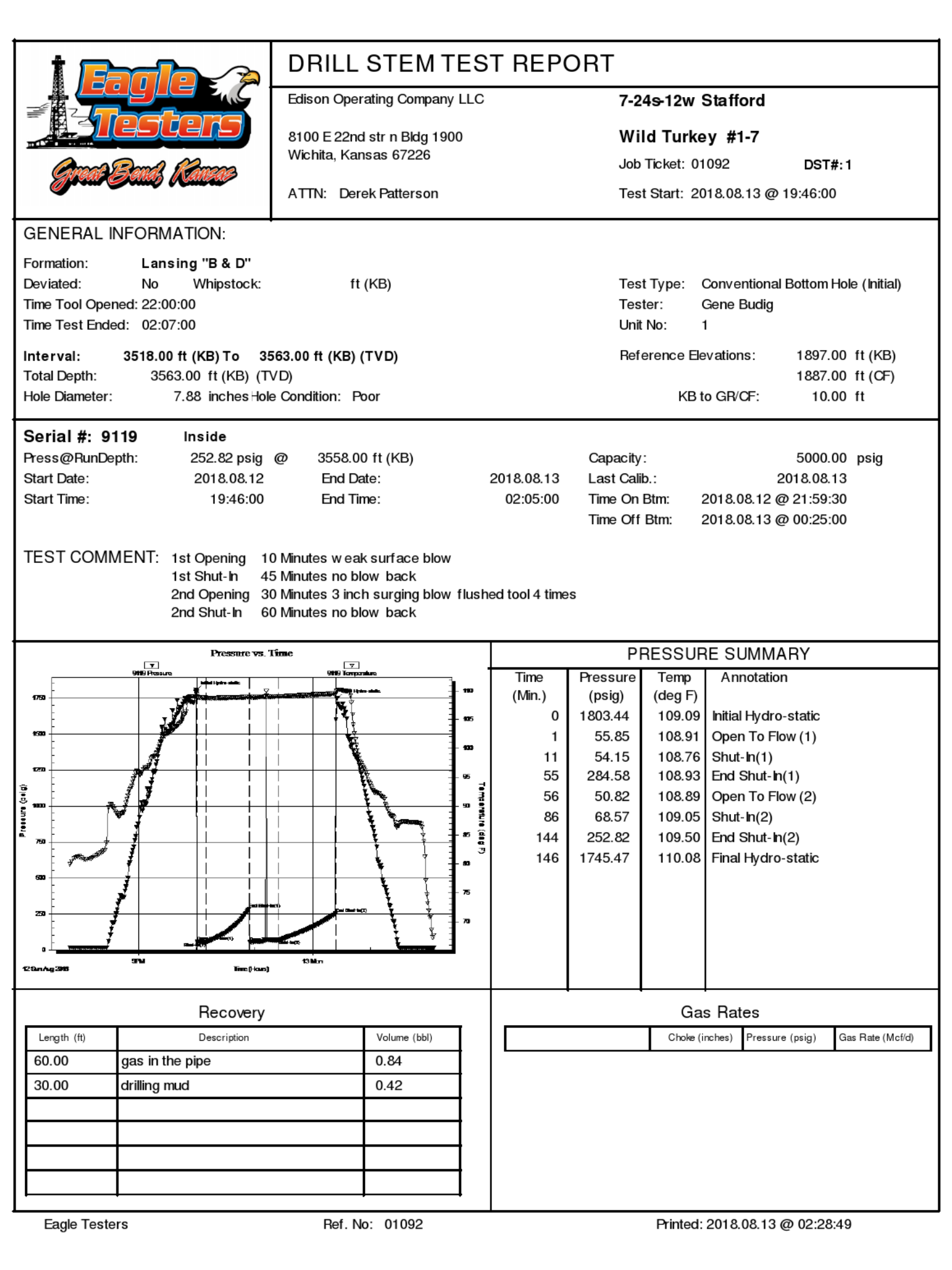
Orders Received to Run 5 1/2" Production Casing

Geologist Derek W. Patterson Off Location 2130 hrs 8.16.18

Respectfully Submitted,

Derek W. Patterson

#1.bmp


DRILL STEM TEST REPORT

Edison Operating Company LLC
8100 E 22nd str n Bldg 1900
Wichita, Kansas 67226
ATTN: Derek Patterson

7-24s-12w Stafford
Wild Turkey #1-7
Job Ticket: 01092 DST#: 1
Test Start: 2018.08.13 @ 19:46:00

GENERAL INFORMATION:

Formation: Lansing "B & D"
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 22:00:00
Time Test Ended: 02:07:00
Interval: 3518.00 ft (KB) To 3563.00 ft (KB) (TVD)
Total Depth: 3563.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor
Test Type: Conventional Bottom Hole (Initial)
Tester: Gene Budig
Unit No: 1
Reference Elevations: 1897.00 ft (KB)
1887.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 9119 Inside
Press@RunDepth: 252.82 psig @ 3558.00 ft (KB)
Start Date: 2018.08.12 End Date: 2018.08.13
Start Time: 19:46:00 End Time: 02:05:00
Capacity: 5000.00 psig
Last Calib.: 2018.08.13
Time On Btm: 2018.08.12 @ 21:59:30
Time Off Btm: 2018.08.13 @ 00:25:00

TEST COMMENT: 1st Opening 10 Minutes weak surface blow
1st Shut-In 45 Minutes no blow back
2nd Opening 30 Minutes 3 inch surging blow flushed tool 4 times
2nd Shut-In 60 Minutes no blow back

PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1803.44	109.09	Initial Hydro-static
1	55.85	108.91	Open To Flow (1)
11	54.15	108.76	Shut-In(1)
55	284.58	108.93	End Shut-In(1)
56	50.82	108.89	Open To Flow (2)
86	68.57	109.05	Shut-In(2)
144	252.82	109.50	End Shut-In(2)
146	1745.47	110.08	Final Hydro-static

Recovery

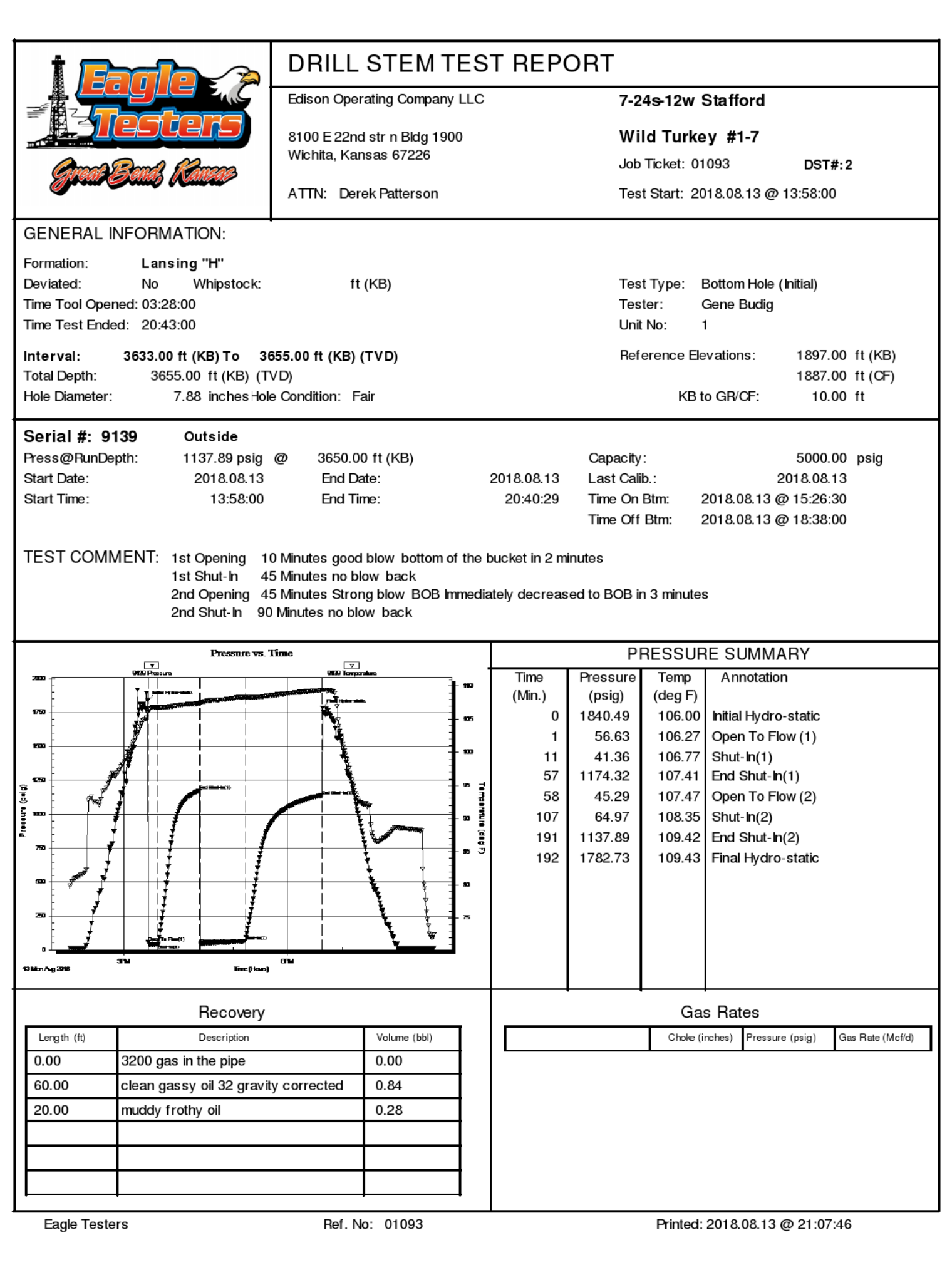
Length (ft)	Description	Volume (bbl)
60.00	gas in the pipe	0.84
30.00	drilling mud	0.42

Gas Rates

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

Eagle Testers Ref. No: 01092 Printed: 2018.08.13 @ 02:28:49

#2.bmp


DRILL STEM TEST REPORT

Edison Operating Company LLC
8100 E 22nd str n Bldg 1900
Wichita, Kansas 67226
ATTN: Derek Patterson

7-24s-12w Stafford
Wild Turkey #1-7
Job Ticket: 01093 DST#: 2
Test Start: 2018.08.13 @ 13:58:00

GENERAL INFORMATION:

Formation: Lansing "H"
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 03:28:00
Time Test Ended: 20:43:00
Interval: 3633.00 ft (KB) To 3655.00 ft (KB) (TVD)
Total Depth: 3655.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Bottom Hole (Initial)
Tester: Gene Budig
Unit No: 1
Reference Elevations: 1897.00 ft (KB)
1887.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 9139 Outside
Press@RunDepth: 1137.89 psig @ 3650.00 ft (KB)
Start Date: 2018.08.13 End Date: 2018.08.13
Start Time: 13:58:00 End Time: 20:40:29
Capacity: 5000.00 psig
Last Calib.: 2018.08.13
Time On Btm: 2018.08.13 @ 15:26:30
Time Off Btm: 2018.08.13 @ 18:38:00

TEST COMMENT: 1st Opening 10 Minutes good blow bottom of the bucket in 2 minutes
1st Shut-In 45 Minutes no blow back
2nd Opening 45 Minutes Strong blow BOB Immediately decreased to BOB in 3 minutes
2nd Shut-In 90 Minutes no blow back

PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1840.49	106.00	Initial Hydro-static
1	56.63	106.27	Open To Flow (1)
11	41.36	106.77	Shut-In(1)
57	1174.32	107.41	End Shut-In(1)
58	45.29	107.47	Open To Flow (2)
107	64.97	108.35	Shut-In(2)
191	1137.89	109.42	End Shut-In(2)
192	1782.73	109.43	Final Hydro-static

Recovery

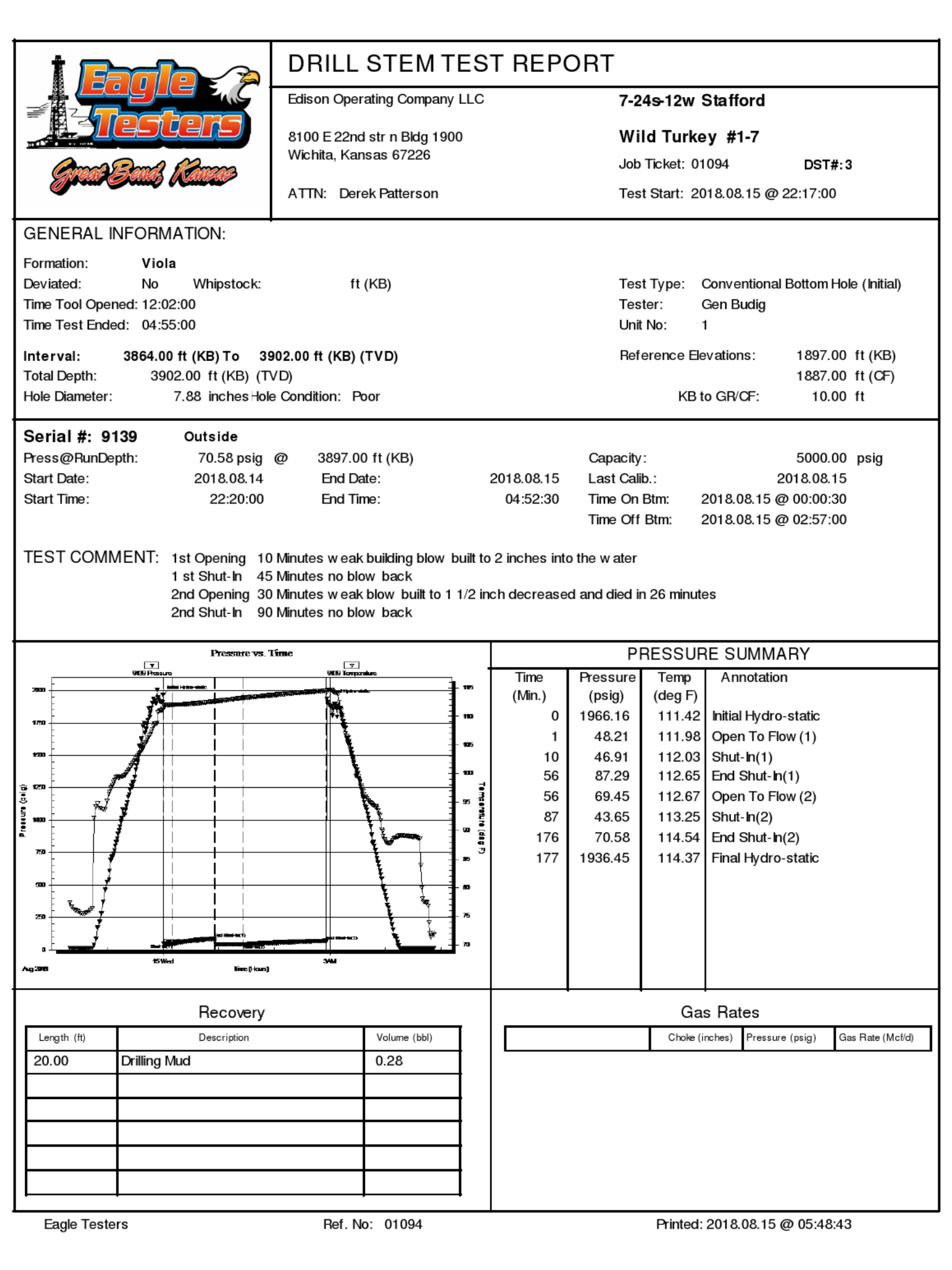
Length (ft)	Description	Volume (bbl)
0.00	3200 gas in the pipe	0.00
60.00	clean gassy oil 32 gravity corrected	0.84
20.00	muddy frothy oil	0.28

Gas Rates

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

Eagle Testers Ref. No: 01093 Printed: 2018.08.13 @ 21:07:46

#3.bmp


DRILL STEM TEST REPORT

Edison Operating Company LLC
8100 E 22nd str n Bldg 1900
Wichita, Kansas 67226
ATTN: Derek Patterson

7-24s-12w Stafford
Wild Turkey #1-7
Job Ticket: 01094 DST#: 3
Test Start: 2018.08.15 @ 22:17:00

GENERAL INFORMATION:

Formation: Viola
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 12:02:00
Time Test Ended: 04:55:00
Interval: 3864.00 ft (KB) To 3902.00 ft (KB) (TVD)
Total Depth: 3902.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor
Test Type: Conventional Bottom Hole (Initial)
Tester: Gen Budig
Unit No: 1
Reference Elevations: 1897.00 ft (KB)
1887.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 9139 Outside
Press@RunDepth: 70.58 psig @ 3897.00 ft (KB)
Start Date: 2018.08.14 End Date: 2018.08.15
Start Time: 22:20:00 End Time: 04:52:30
Capacity: 5000.00 psig
Last Calib.: 2018.08.15
Time On Btm: 2018.08.15 @ 00:00:30
Time Off Btm: 2018.08.15 @ 02:57:00

TEST COMMENT: 1st Opening 10 Minutes weak building blow built to 2 inches into the water
1 st Shut-In 45 Minutes no blow back
2nd Opening 30 Minutes weak blow built to 1 1/2 inch decreased and died in 26 minutes
2nd Shut-In 90 Minutes no blow back

PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1966.16	111.42	Initial Hydro-static
1	48.21	111.98	Open To Flow (1)
10	46.91	112.03	Shut-In(1)
56	87.29	112.65	End Shut-In(1)
56	69.45	112.67	Open To Flow (2)
87	43.65	113.25	Shut-In(2)
176	70.58	114.54	End Shut-In(2)
177	1936.45	114.37	Final Hydro-static

Recovery

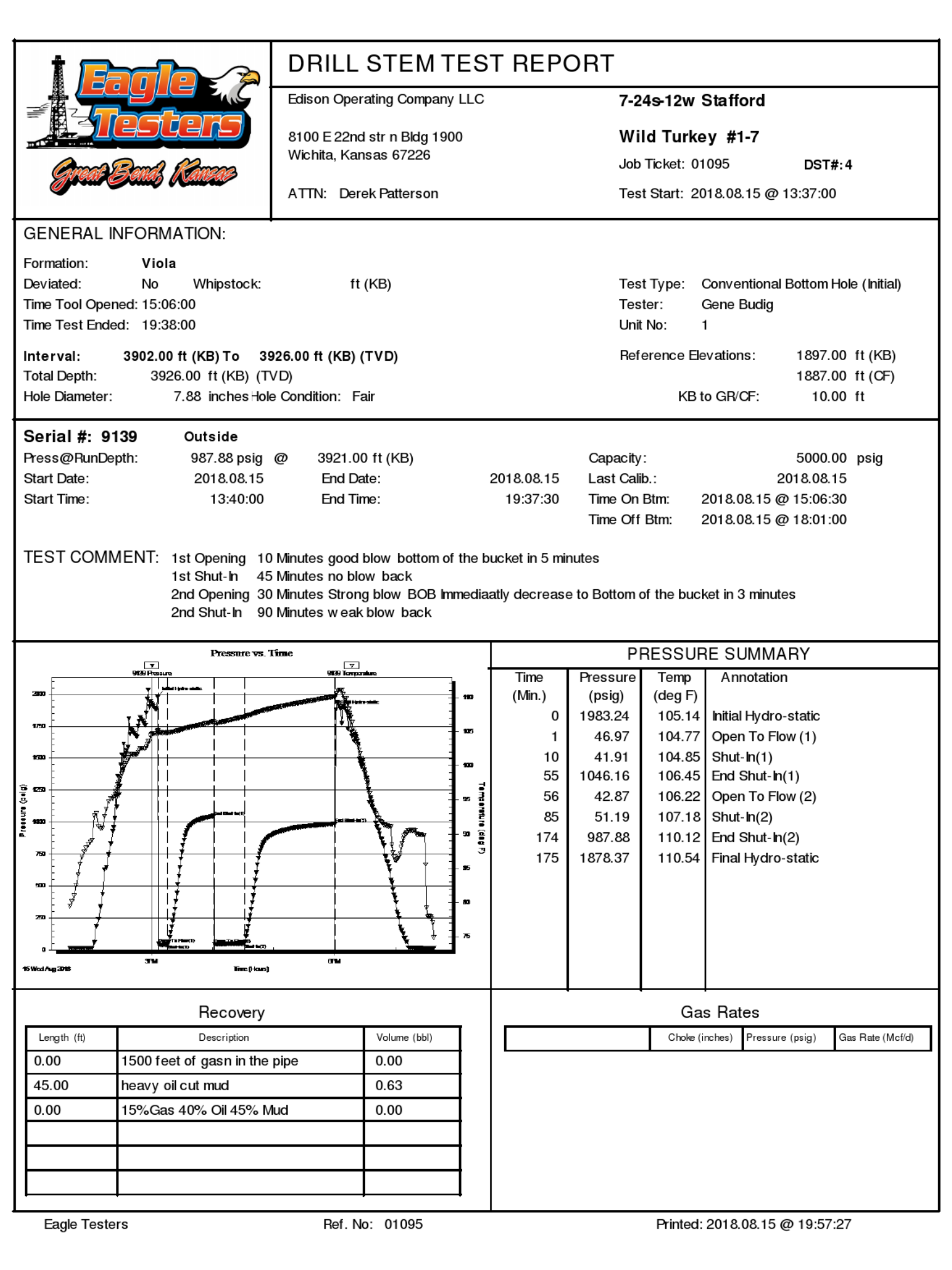
Length (ft)	Description	Volume (bbl)
20.00	Drilling Mud	0.28

Gas Rates

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

Eagle Testers Ref. No: 01094 Printed: 2018.08.15 @ 05:48:43

#4.bmp


DRILL STEM TEST REPORT

Edison Operating Company LLC
8100 E 22nd str n Bldg 1900
Wichita, Kansas 67226
ATTN: Derek Patterson

7-24s-12w Stafford
Wild Turkey #1-7
Job Ticket: 01095 DST#: 4
Test Start: 2018.08.15 @ 13:37:00

GENERAL INFORMATION:

Formation: Viola
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 15:06:00
Time Test Ended: 19:38:00
Interval: 3902.00 ft (KB) To 3926.00 ft (KB) (TVD)
Total Depth: 3926.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Initial)
Tester: Gene Budig
Unit No: 1
Reference Elevations: 1897.00 ft (KB)
1887.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 9139 Outside
Press@RunDepth: 987.88 psig @ 3921.00 ft (KB)
Start Date: 2018.08.15 End Date: 2018.08.15
Start Time: 13:40:00 End Time: 19:37:30
Capacity: 5000.00 psig
Last Calib.: 2018.08.15
Time On Btm: 2018.08.15 @ 15:06:30
Time Off Btm: 2018.08.15 @ 18:01:00

TEST COMMENT: 1st Opening 10 Minutes good blow bottom of the bucket in 5 minutes
1st Shut-In 45 Minutes no blow back
2nd Opening 30 Minutes Strong blow BOB Immediaatly decrease to Bottom of the bucket in 3 minutes
2nd Shut-In 90 Minutes weak blow back

PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1983.24	105.14	Initial Hydro-static
1	46.97	104.77	Open To Flow (1)
10	41.91	104.85	Shut-In(1)
55	1046.16	106.45	End Shut-In(1)
56	42.87	106.22	Open To Flow (2)
85	51.19	107.18	Shut-In(2)
174	987.88	110.12	End Shut-In(2)
175	1878.37	110.54	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	1500 feet of gasn in the pipe	0.00
45.00	heavy oil cut mud	0.63
0.00	15%Gas 40% Oil 45% Mud	0.00

Gas Rates

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

Eagle Testers Ref. No: 01095 Printed: 2018.08.15 @ 19:57:27