

REGION	AREA	GROSS-BGT	GROSS-AFE	GROSS-CUMM	WI%	AFE #	START DATE	SPUD DATE	DATE COMPLTD	20190023		
PERMIAN	WOLFCAMP	7,000.000		4,366.416	0.75	180701	7/12/18	12/28/18		HACKBERRY 11 #201H (A1) ►18/19		
										G-DC	TD	PBTD
01/09/2019	Fin breaking off bit. PU new motor. Inst MWD. MU Bit #4. TIH 120'-4893'. Rot & sld 4893'-6092'. Finished breaking off bit. Bit #3 Rock bit had minimal wear. Was in gauge and bearings tight. P/U new motor. Latched onto to Monel's in derrick. Broke out of UBHO sub to scribe tools. Muleshoe was stuck in UBHO sub. Laid down and picked up new. Install MWD. Scribed & test tools. M/U Bit #4 Reed tkc76 Tripped in the hole 120' - 3680'. Pulled trip nipple and installed rotating element. Tripped in the hole 3680' - 4893'. Rotate drilled cement 4893' - 4960' (67' @ 67.0 fph). Relog 4948' to 4970' Rotate drilled 4960' - 5095' (135' @ 90.0fph). Slide drilled 5095' - 5107' (12' @ 24.0 fph). Rotate drilled 5107' - 5330' (223' @ 111.5fph). Repaired oiler line on rotating head. Fitting snapped off. Rotate drilled 5330' - 5474' (135' @ 96.0fph). Slide drilled 5474' - 5489' (15' @ 30.0 fph). Rotate drilled 5489' - 5662' (173' @ 86.5fph). Slide drilled 5662' - 5673' (11' @ 22.0 fph). Rotate drilled 5673' - 6041' (368' @ 81.7fph). Serviced rig and top drive. Rotate drilled 6041' - 6092' (51' @ 102.0fph). ♦Note: (---N0---) Accidents / Incidents reported.□ ♦Rig Diesel: (12,009) gal ♦Used: (1743) gal ♦Total Used: (16,322) gal ♦Rec: (6100) gal. □ ♦Mud Diesel: (2508) gal ♦Used: (0) gal ♦Total Used: (0) gal ♦Rec: (0) gal.									\$86,395	6092	1132
01/10/2019	Rot & sld 6092'-7491'. Rotate drilled 6092' - 6136' (44' @ 88.0 fph). Slide drilled 6136' - 6146' (10' @ 20.0 fph). Rotate drilled 6146' - 6798' (652' @ 86.9 fph). Slide drilled 6798' - 6810' (12' @ 12.0 fph). Rotate drilled 6810' - 6892' (82' @ 82.0 fph). Service Rig Slide drilled 6892' - 6904' (12' @ 24.0 fph). Rotate drilled 6904' - 7365' (461' @ 54.2 fph). Slide drilled 7365' - 7377' (12' @ 24.0 fph). Rotate drilled 7377' - 7491' (114' @ 32.6 fph). ♦Note: (---N0---) Accidents / Incidents reported.□ ♦Rig Diesel: (9999) gal ♦Used: (2010) gal ♦Total Used: (18,332) gal ♦Rec: (0) gal. □ ♦Mud Diesel: (2508) gal ♦Used: (0) gal ♦Total Used: (0) gal ♦Rec: (0) gal.									\$41,409	7491	1399
01/11/2019	Drill 7491'-7646', ROP fell below 20 FPH. Circ. TOO H from 4960'-121'.Broke off bit #4, MU bit #5. TIH 121'-7554'. Safety wash 7554'-7646'. Rot & sld 7646'-7838'. Rotate drilled 7491' - 7646' (155' @ 44.29 fph). ROP fell below 20 FPH. Call was made to pull Bit. Circulated sweeps surface to surface. Flow checked and well was static. Pumped slug. Tripped out of hole from 4960' to 1122'. Hole took proper fill and had no drag. Pulled rotating element and installed trip nipple. Tripped out of hole from 1122' to 121'. Hole took proper fill. Laid out top NMDC. Laid down MWD tool. Broke off bit #4. Checked scribe on motor. Installed new MWD. Test motor and MWD. Bit #4 was cored out. Made up bit #5 Ulterra CF716. Tripped in hole 121' - 4605'. Pulled trip nipple and installed rotating element. Slipped and cut drill line. Serviced rig and top drive. Tripped in hole 4605' - 7554'. Safety Washed 7554' - 7646'. Slide drilled 7646' - 7658' (12' @ 24.0 fph). Rotate drilled 7658' - 7838' (180' @ 45.0 fph). ♦Note: (---N0---) Accidents / Incidents reported.□ ♦Rig Diesel: (8640) gal ♦Used: (1359) gal ♦Total Used: (19,691) gal ♦Rec: (0) gal. □ ♦Mud Diesel: (2508) gal ♦Used: (0) gal ♦Total Used: (0) gal ♦Rec: (0) gal.									\$55,133	7838	347
01/12/2019	Rot & sld 7838'-8598'. Slide drilled 7838' - 7852' (14' @ 9.3 fph). Rotate drilled 7852' - 7933' (81' @ 54.0 fph). Serviced Rig Repair rig. Crown o matic not functioning. Found broken air line troubleshoot and made repairs. Rotate drilled 7933' - 8311' (378' @ 39.8 fph). Slide drilled 8311' - 8321' (10' @ 10.0 fph). Rotate drilled 8321' - 8499' (178' @ 35.6 fph). Slide drilled 8499' - 8514' (15' @ 10.0 fph). Rotate drilled 8514' - 8594' (80' @ 40.0 fph). Slide drilled 8594' - 8598' (4' @ 8.0 fph). ♦Note: (---N0---) Accidents / Incidents reported.□ ♦Rig Diesel: (6663) gal ♦Used: (1977) gal ♦Total Used: (21,668) gal ♦Rec: (0) gal. □ ♦Mud Diesel: (2508) gal ♦Used: (0) gal ♦Total Used: (0) gal ♦Rec: (0) gal.									\$90,136	8598	760

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PERMIAN	WOLFCAMP	7,000.000		4,366.416	0.75	180701	7/12/18	12/28/18		HACKBERRY 11 #201H (A1) ►18/19		
										G-DC	TD	PBTD
01/13/2019	Rot & sld 8598'-8992'. P/sweep & circ to surf. TOO H 8992'-123'. Laid out top NMDC. Broke off bit # 5. MU bit #6. PU top NMDC.									\$58,593	8992	394
<div>Slide drilled 8598' - 8612' (14' @ 9.3 fph).</div> <div>Rotate drilled 8612' - 8877' (265' @ 27.9 fph).</div> <div>Serviced rig and top drive.</div> <div>Rotate drilled 8877' - 8992' (115' @ 25.5 fph). ROP fell to 18FPH and stayed. Decision was made to trip.</div> <div>Pumped sweep and circulated surface to surface. Checked flow. Well static. Pumped slug.</div> <div>Tripped out of hole 8992' - 1127'. Hole had normal drag and took proper fill.</div> <div>Pulled rotating element and installed trip nipple.</div> <div>Tripped out of hole 1127' - 123'. Hole took proper fill.</div> <div>Laid out top NMDC. Broke off bit #5. Checked scribe on motor. Tested motor and MWD.</div> <div>Bit #5 was 2-2-CT-A-X-I. Made up bit #6 Reed TKC76. Picked up Top NMDC.</div> <div>♦Note: (---N0---) Accidents / Incidents reported.□</div> <div>♦Rig Diesel: (4348) gal ♦Used: (2315) gal ♦Total Used: (23,983) gal ♦Rec: (0) gal. □</div> <div>♦Mud Diesel: (2508) gal ♦Used: (0) gal ♦Total Used: (0) gal ♦Rec: (0) gal.</div>												
01/14/2019	TIH from 210'-8804'. Safety ream from 8804'-8992'. Rot & sld 8992'-9456'.									\$40,992	9456	464
<div>Tripped in hole from 210' - 4883'.</div> <div>Pulled trip nipple and installed Rot. Head.</div> <div>Tripped in hole from 4883' - 8804'.</div> <div>Safety reamed 8804' - 8992'.</div> <div>Rotate drilled 8992' - 9080' (88' @ 44.0 fph).</div> <div>Slide drilled 9080' - 9094' (14' @ 9.3 fph).</div> <div>Rotate drilled 9094' - 9254' (160' @ 26.5 fph).</div> <div>Slide drilled 9254' - 9268' (14' @ 9.3 fph).</div> <div>Rotate drilled 9268' - 9443' (175' @ 31.8 fph).</div> <div>Serviced rig and top drive.</div> <div>Slide drilled 9443' - 9456' (13' @ 13.0 fph).</div> <div>♦Note: (---N0---) Accidents / Incidents reported.□</div> <div>♦Rig Diesel: (2410) gal ♦Used: (1938) gal ♦Total Used: (25,921) gal ♦Rec: (0) gal. □</div> <div>♦Mud Diesel: (2508) gal ♦Used: (0) gal ♦Total Used: (0) gal ♦Rec: (0) gal.</div>												
01/15/2019	Rot & sld 9456'-9668'. Circ. Well flowing but reduced to no flow. Strip OOH 9668'-6000'. As precaution spotted 100 bbls 11.2ppg kill mud for safety. TOO H 6000'-132'. Broke off bit #6. MU bit #7. TIH 132'-2921'.									\$90,847	9668	212
<div>Slide drilled 9456' - 9459' (3' @ 6.0 fph).</div> <div>Rotate drilled 9459' - 9539' (80' @ 32.0 fph).</div> <div>Slide drilled 9539' - 9551' (12' @ 6.0 fph).</div> <div>Rotate drilled 9551' - 9668' (117' @ 33.4 fph). ROP fell to below 16 FPH. Decision was made to pull bit.</div> <div>Circulated sweeps surface to surface to surface. Checked flow. Well flowing 7 BBL per hour. Monitored well for 30 minutes Flow went down to 1.5 BBL per hour then Stopped. Built 11.2 ppg kill mud.</div> <div>Stripped out of hole 9668' - 6000'. Well had normal drag. Pumped in calculated fill. Checked flow. Well flowed for 5 minutes at 1.5 BBL per hour then stopped.</div> <div>As precaction spotted 100 bbls 11.2 ppg kill mud for safety. Checked flow. Well static. Pumped slug.</div> <div>Tripped out of hole 6000' - 1148'. Well took proper fill.</div> <div>Pulled rotating element and installed trip nipple.</div> <div>Tripped out of hole 1148' - 132'. Well took proper fill.</div> <div>Laid out top NMDC. Inspected motor and drained. Motor had excessive wear. Broke off bit #6 and laid down motor. Picked up new motor and scribed. Installed MWD. Tested motor and MWD. Bit #6 was cored out. Made up bit #7 Hughes D607TX.</div> <div>Tripped in hole 132' - 2921'.</div> <div>♦Note: (---N0---) Accidents / Incidents reported.□</div> <div>♦Rig Diesel: (7850) gal ♦Used: (1795) gal ♦Total Used: (27,716) gal ♦Rec: (7235) gal. □</div> <div>♦Mud Diesel: (2508) gal ♦Used: (0) gal ♦Total Used: (0) gal ♦Rec: (0) gal.</div>												
01/16/2019	TIH 2921'-6229'. Circ btms up. 20 bbls of 10.5ppg mud recovered. TIH 6229'-9668'. Safety ream last std to btm. Rot & sld 9668'-10306'.									\$56,293	10306	638
<div>Tripped in hole 2921' - 4883'.</div> <div>Pulled trip nipple and install Rot. Head.</div> <div>Tripped in hole 4883' - 6229'.</div> <div>Circulated bottoms up. 20 BBLS of 10.5 PPG mud Recovered.</div> <div>Tripped in hole 6229' - 9668'. Safety reamed last stand to bottom.</div> <div>Rotate drilled 9668' - 9726' (58' @ 29.0 fph).</div> <div>Slide drilled 9726' - 9742' (16' @ 16.0 fph).</div> <div>Rotate drilled 9742' - 9819' (77' @ 38.5 fph).</div> <div>Serviced rig and topdrive.</div> <div>Rotate drilled 9819' - 9913' (94' @ 47.0 fph).</div> <div>Slide drilled 9913' - 9923' (10' @ 10.0 fph).</div> <div>Rotate drilled 9923' - 10,102' (179' @ 35.8 fph).</div> <div>Slide drilled 10,102' - 10,114' (12' @ 24.0 fph).</div> <div>Rotate drilled 10,114' - 10,292' (178' @ 35.6 fph).</div> <div>Slide drilled 10,292' - 10,306' (14' @ 28.0 fph).</div> <div>♦Note: (---N0---) Accidents / Incidents reported.□</div> <div>♦Rig Diesel: (5683) gal ♦Used: (2167) gal ♦Total Used: (29,883) gal ♦Rec: (0) gal. □</div> <div>♦Mud Diesel: (2508) gal ♦Used: (0) gal ♦Total Used: (0) gal ♦Rec: (0) gal.</div>												

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PERMIAN	WOLFCAMP	7,000.000		4,366.416	0.75	180701	7/12/18	12/28/18		HACKBERRY 11 #201H (A1) ► 18/19		
										G-DC	TD	PBDT
01/17/2019	Drill 10306'-10515'. Circ. Well flowing 10 bph. Strip OOH 10515'-6000'. Well flowing 2 bph. Spotted 70bbls 11.2ppg kill mud for safety. P/30bbl slug. TOO H 6000'-513'. LD drill collars & vertical drill assy. PU curve drill assy. TIH 143'-4098'. Rotate drilled 10,306' - 10,515' (209' @ 27.86 fph). Circulated sweeps surface to surface to surface. Checked flow. Well flowing 10 BBL per hour. Monitored well for 30 minutes Flow stayed the same. Stripped out of hole 10,515' - 6000'. Well had normal drag. Pumped in calculated fill. Checked flow. Well flowing at 2 BBL per hour. Spotted 70 bbls 11.2 ppg kill mud for safety. Checked flow. Well static. Pumped 30 bbl slug. Tripped out of hole 6000' - 1148'. Well took proper fill. Pulled rotating element and installed trip nipple. Tripped out of hole 1148' - 513'. Well took proper fill. Laid down all 8" and 6" drill collars. Laid down vertical drilling assembly. Picked up curve drilling assembly. Made up bit #8, Ulterra CF613 w/ 6/18's. Tripped in the hole 143' - 4098'. Serviced rig and topdrive. While tripping in the hole the retaining bracket that holds the link-tilt swivel broke. Toolpusher contacted the office and decision was made to change out broken equipment. Estimated time to make repairs = 10 hours. ♦Note: (---N0---) Accidents / Incidents reported.□ ♦Rig Diesel: (10,753) gal •Used: (2230) gal •Total Used: (32,113) gal •Rec: (7300) gal. □ ♦Mud Diesel: (2508) gal •Used: (0) gal •Total Used: (0) gal •Rec: (0) gal.									\$98,008	10515	209
01/18/2019	Chg out Rot link assy on top drive & test. Rec new target update 0' VS - 11090' TVD. TIH 4098'-6550'. Circ btms up. 20 BBlS 10.5 ppg kill mud rec. TIH 6550'-10330'. PU 2 stds drill pipe to get to btm @ 10515'. Circ btms up thru choke. While tripping in the hole the retaining bracket that holds the link-tilt swivel broke. Changed out Rotating link assembly on top drive and test same. Total DT = 18.5 hours. Received new target update 1-17-2019 @ 10:00A.M. - 0' VS @ 11,090' TVD. Tripped in the hole 4098' - 6550'. Pulled trip nipple and installed rotating element. Circulated bottoms up through choke. 20 BBLs of 10.5 PPG mud recovered. Max gas: 8260 units. Tripped in the hole 6550' - 10,330'. Picked up 2 stands of drill pipe to get to bottom at 10,515'. Began circulating bottoms up through choke. ♦Note: (---N0---) Accidents / Incidents reported.□ ♦Rig Diesel: (10,189) gal •Used: (564) gal •Total Used: (32,677) gal •Rec: (0) gal. □ ♦Mud Diesel: (2508) gal •Used: (0) gal •Total Used: (0) gal •Rec: (0) gal.									\$45,650	10515	0
01/19/2019	Cont. circ on choke for prec. Rot & sld 10515'-10881'. Dec made to POOH to check BHA. Circ. Strip OOH 10881'-6078'. Spotted 70 bbls 11.2ppg kill mud for safety. P/30bbls slug. Continued circulating on choke for precaution. Max Gas: 6880 units. Slide drilled 10,515' - 10,614' (99' @ 22.0 fph). Serviced Rig. Rotate drilled 10,614' - 10,617' (3' @ .75 fph). Slide drilled 10,617' - 10,646' (29' @ 23.2 fph). Rotate drilled 10,646' - 10,655' (9' @ 18 fph). Slide drilled 10,655' - 10,677' (22' @ 44.0 fph). Rotate drilled 10,677' - 10,680' (3' @ 6.0 fph). Slide drilled 10,680' - 10,740' (60' @ 40.0 fph). Rotate drilled 10,740' - 10,747' (7' @ 14.0 fph). Slide drilled 10,747' - 10,801' (54' @ 36.0 fph). Rotate drilled 10,801' - 10,805' (4' @ 8.0 fph). Slide drilled 10,804' - 10,881' (77' @ 19.25 fph). Could not keep bit on bottom without stalling out motor. Contacted the office and decision was made to pull out of the hole to check BHA. Circulated sweep surface to surface. Checked flow. Well flowing 46 bbls. per hour. Stripped out of hole 10,881' - 6078'. Well had normal drag. Pumped in calculated fill. Checked flow. Well flowing at 6 bbls. per hour. Spotted 70 bbls 11.2 ppg kill mud for safety. Checked flow. Well static. Pumped 30 bbl slug. ♦Note: (---N0---) Accidents / Incidents reported.□ ♦Rig Diesel: (8246) gal •Used: (1943) gal •Total Used: (34,620) gal •Rec: (0) gal. □ ♦Mud Diesel: (2508) gal •Used: (0) gal •Total Used: (0) gal •Rec: (0) gal.									\$46,319	10881	366
01/20/2019	TOOH 6078'-136'. Broke off bit #8 & laid dwn motor. PU new motor and bit #9. TIH 136'-6556'. Circ btms up. 22bbls of 11.2 ppg mud rec. TIH 6556'-10881'. Rot & sld 10881'-10905'. Lost all electrical power to rig. Tripped out of hole 6078' - 2109'. Well took proper fill. Pulled rotating element and installed trip nipple. Tripped out of hole 2109' - 136'. Well took proper fill. Laid out top NMDC. Inspected motor and drained. Motor had 1/8" wear. Broke off bit #8 and laid down motor. Picked up new motor and scribed. Installed MWD. Tested motor and MWD. Bit #8 was 1/8" out of gauge. Numerous chipped and broken cutters. Made up bit #9 Halliburton MM64DC. Tripped in the hole 136' - 4847'. Pulled trip nipple and installed rotating element. Slipped and cut drill line. Serviced rig and topdrive. Tripped in the hole 4847' - 6556'. Circulated bottoms up. 22 bbls. Of 11.2 ppg mud recovered. Max gas: 3327 units. Tripped in the hole 6556' - 10,881'. Slide drilled 10,881' - 10,902' (21' @ 28 fph), Rotate drilled 10,902' - 10,905' (3' @ 12 fph). While drilling ahead #2 and #3 generators shut down causing drawworks, pumps and topdrive to shut down. While attempting to power up the generators the #1 generator died causing rig to go dark.Toolpusher contacted office and got electricians headed to rig. Shut the well in and monitored, no pressure at report time. Electricians arrived and got the rig lights and camp powered up. Currently changing out fuses that were burnt during initial black out. Rig back Running. Trouble shoot TOTCO readings and currently calibrating drawworks. ♦Note: (---N0---) Accidents / Incidents reported.□ ♦Rig Diesel: (7256) gal •Used: (990) gal •Total Used: (35,610) gal •Rec: (0) gal. □ ♦Mud Diesel: (2508) gal •Used: (0) gal •Total Used: (0) gal •Rec: (0) gal.									\$63,966	10905	24

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										G-DC	TD	PBDT
01/21/2019	Cont to troubleshoot electrical issues. Circ. H2S Alarm went off. Driller instructed to SI well. Cleared by 3rd party safety. Rot & sld 10905'-11133'.									\$44,559	11133	228
	<p>Continue trouble shoot Top Drive issues. Check all grounds and power wires to traction motors. Circulating while trouble shooting Top Drive Faults.</p> <p>While circulating H2S Alarm went off spiking at 183PPM momentarily. It then fell to 16 PPM then fell to ZERO. Driller was instructed to shut in well by Drilling Super on site due to rig downtime. Patterson will not allow work until all clear given by 3rd part Safety. Wait on safety to give clear Safety arrive @ 12:30 All Clear. Circulate Bottoms up Through Choke. Max H2S 183 PPM.</p> <p>Continue trouble shoot Top Drive issues. Check all grounds and power wires to Traction motors. Found burnt pig tail on top drive. Changed out same. Total Down not counting H2S issue: 13.5 hrs.</p> <p>Slide drilled 10,905' - 10,934' (29' @ 23.2 fph), Rotate drilled 10,934' - 10,938' (4' @ 16.0 fph). Slide drilled 10,938' - 10,965' (27' @ 36.0 fph), Rotate drilled 10,965' - 10,968' (3' @ 12.0 fph). Slide drilled 10,968' - 11,029' (61' @ 14.3 fph), Rotate drilled 11,029' - 11,037' (8' @ 32.0 fph). Slide drilled 11,037' - 11,081' (44' @ 29.3 fph).</p> <p>While drilling ahead lost 600 psi. Went through #1 pump and found rubber under the seat in #1. Slide drilled 11,081' - 11,124' (43' @ 19.1 fph). Rotate drilled 11,124' - 11,133' (9' @ 36.0 fph)</p> <p>♦Note: (---N0---) Accidents / Incidents reported.□</p> <p>♦Rig Diesel: (5878) gal ♦Used: (1378) gal ♦Total Used: (36,988) gal ♦Rec: (0) gal. □</p> <p>♦Mud Diesel: (2508) gal ♦Used: (0) gal ♦Total Used: (0) gal ♦Rec: (0) gal.</p>											
01/22/2019	Rot & sld 11133'-11415'. Circ. Strip OOH 11415'-6082'. Spotted 70 bbls 11.2ppg kill mud. Lost full returns during ops. Fin spotting kill mud. TOOH 6082'-136'. LD curve assy. PU ream assy. MU bit #9RR. TIH 89'-3465'.									\$73,259	11415	282
	<p>Slide drilled 11,133' - 11,155' (22' @ 22.0 fph). Rotate drilled 11,155' - 11,160' (5' @ 10.0 fph). Slide drilled 11,160' - 11,218' (58' @ 23.2 fph). Rotate drilled 11,218' - 11,228' (10' @ 20.0 fph). Slide drilled 11,228' - 11,250' (22' @ 44.0 fph). Rotate drilled 11,250' - 11,253' (3' @ 6.0 fph). Slide drilled 11,253' - 11,281' (28' @ 28.0 fph). Rotate drilled 11,281' - 11,284' (3' @ 6.0 fph). Slide drilled 11,284' - 11,313' (29' @ 58.0 fph). Rotate drilled 11,313' - 11,324' (11' @ 22.0 fph). Slide drilled 11,324' - 11,375' (51' @ 34.0 fph).</p> <p>Service Rig.</p> <p>Rotate drilled 11,375' - 11,378' (3' @ 6.0 fph). Slide drilled 11,378' - 11,415' (37' @ 74.0 fph). Circulated sweeps surface to surface. Circulate shakers clean. Checked flow. Well flowing at 46 bbls / hour. Stripped out of hole 11,415' - 6082'. Well had normal drag. Pumped in calculated fill. Checked flow. Well flowing at 8 bbls. per hour.</p> <p>Spotted 70 bbls 11.2 ppg kill mud for safety. Lost full returns during operations. Finished spotting kill mud. Lined up on trip tank, took15 bbls to fill backside. Pumped 30 bbl slug.</p> <p>Tripped out of the hole 6082' - 136'. Well had normal drag. Well did not take proper fill on trip out. Took 8.4 bbls per 5 stands.</p> <p>Laid down curve drilling assembly.</p> <p>Picked up reamer assembly. Made up bit #9RR, Halliburton MM64DC.</p> <p>Tripped in the hole 89' - 3465'.</p> <p>♦Note: (---N0---) Accidents / Incidents reported.□</p> <p>♦Rig Diesel: (10,566) gal ♦Used: (2405) gal ♦Total Used: (39,393) gal ♦Rec: (7100) gal. □</p> <p>♦Mud Diesel: (2508) gal ♦Used: (0) gal ♦Total Used: (0) gal ♦Rec: (0) gal.</p>											
01/23/2019	TIH w/reamer assy 3465'-8571'. Lost returns. Att circ btms up, no success. TOOH 8571'-7598'. Rec 70 bbls kill mud. Circ with 25-100% returns. TIH to 9000'. Circ btms up w/ full returns. Wash & ream 10500'-11415', encountering tight spots									\$41,807	11415	0
	<p>Tripped in hole with Phantom reamer assembly 3465' - 4794'. Removed trip nipple and installed rotating element. Tripped in hole with Phantom reamer assembly 4794' - 6500'. Circulated bottoms up to recover kill mud. Circulated with full returns and recovered 0 barrels kill mud. Tripped in hole with Phantom reamer assembly 6500' - 8571'. Lost returns at trip tank while trip in hole. Attempted to circulate bottoms up with no success. Tripped out of hole 8571' - 7598'.</p> <p>Circulated to recover kill mud. Circulated with 25% - 100% returns. Recovered 70 bbls kill mud. Tripped in hole with Phantom reamer assembly 7598' - 9000'. Circulated bottoms up with full returns. Troubleshoot smoking wire harness on Top Drive. Wait on Electrician to troubleshoot smoking wires on Top Drive. Serviced rig.</p> <p>Tripped in hole with Phantom reamer assembly 9000' - 10,500'. Washed and reamed 10,500' - 11,415'.</p> <p>Circulated 80 bbl high vis sweeps surface to surface. Flow checked, well flowing at 48 bbls/hr. Stripped out of the hole 11,415' - 11,050'. Encountered tight spots at 11,186', 11,133', 11,050'. Made up topdrive and backreamed curve 11,050' - 10,483'. Washed and reamed 10,483' - 11,033'.</p> <p>♦Note: (---N0---) Accidents / Incidents reported.□</p> <p>♦Rig Diesel: (9032) gal ♦Used: (1524) gal ♦Total Used: (40,917) gal ♦Rec: (0) gal. □</p> <p>♦Mud Diesel: (2508) gal ♦Used: (0) gal ♦Total Used: (0) gal ♦Rec: (0) gal.</p>											

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PERMIAN	WOLFCAMP	7,000.000		4,366.416	0.75	180701	7/12/18	12/28/18		HACKBERRY 11 #201H (A1) ►18/19		
										G-DC	TD	PBTD
01/28/2019	Fill pipe & broke circ. Drill DV tool. Wash dwn 94' below 2nd Baffle plate. PU 4" drill pipe & run in hole to 11260'. Test casing to 3000 psi. Drill cmt 11260'-11415'. Drill 11415'-11425'. Circ. TOOOh for lateral assy. PU lateral assy. TIH 143'-1560' Filled pipe and broke circulation. Drilled DV Tool and Secondary Baffle Plate 7255' - 7323'. Washed down 94' below Secondary Baffle Plate. Picked up 4" drill pipe off rack and run in hole to 11,260'. Drifted all drill pipe while picking up from racks. Broke circulation and tested casing to 3000 psi for 30 minutes. Displaced to oil based mud. Drilled cement and float equipment 11,260' - 11,415'. Top of float collar @ 11,329', Top of shoe @ 11,413'. Rotate drilled 11,415' - 11,425' (10' @ 20 fph). Circulated and tested casing shoe to 14.0 ppg EMW. Pressured up to 1613 psi with 11.2 ppg OBM. Flow checked, well static. Pumped slug. Tripped out of hole for lateral drilling assembly. Laid down Bit and Bit Sub. Picked up lateral assembly. Scribed motor and installed MWD. Tested motor and MWD. Made up 6-3/4" bit. Tripped in hole 143' - 1560'. ♦Note: (---NO---) Accidents / Incidents reported ☐ ♦Rig Diesel: (10,846) gal ♦Used: (1334) gal ♦Total Used: (45,216) gal ♦Rec: (0) gal. ☐ ♦Mud Diesel: (8828) gal ♦Used: (0) gal ♦Total Used: (0) gal ♦Rec: (0) gal.									\$72,554	11425	10
01/29/2019	TIH 1560'-6815'. Mud u-tbg up drill pipe while TIH. Circ btms up. Mix & pump slug. TOOOh to BHA. BHA left in hole. PU fishing tool assy. TIH w/ fishing tools 1917'-10963'. TIH looking for fish 10963'-11302'. Tag fish @ 11302'. POOH 11290'-9931'. Tripped in hole 1560' - 6635'. Mud u-tubing while TIH. Filled pipe and broke circulation. Tripped in hole 6635' - 6815' Floats not holding and mud u-tubing out top of drill pipe while TIH. Circulated bottoms up. Mixed and pumped slug. Tripped out of hole to BHA. Bit, motor and float sub were left in hole. Stand back double NMDC. Mobilized and waited on Yellowjacket fishing tools. Serviced rig and topdrive. Waited on Yellowjacket fishing tools. Staged out fishing tools on rig floor. Picked up fishing tool assembly. Tripped in the hole with fishing tools 1917' - 10,963' Kelly up and established pressures and pick up/slack off weights at 10,963'. 40 spm = 440 psi. 50 spm = 660 psi. Pick up weight = 235k, slack off weight 205k. Tripped in hole looking for fish 10,963' - 11,302'. Tagged fish at 11,302'. Stacked 20k on fish. Kelly up and established pressures, 20 spm = 445 psi - 40 spm = 830 psi (390 psi gain). Slack off to 11,312', 80k weight on fish. Picked up to 11,290', gained 5k hook load. All indications show fish latched. Rigged up mud bucket for pulling out of the hole wet. Installed wiper rubber. Pulled out of the hole 11,290' - 9931'. Well taking proper fill. ♦Note: (---NO---) Accidents / Incidents reported ☐ ♦Rig Diesel: (9903) gal ♦Used: (943) gal ♦Total Used: (46,159) gal ♦Rec: (0) gal. ☐ ♦Mud Diesel: (7613) gal ♦Used: (1215) gal ♦Total Used: (1215) gal ♦Rec: (0) gal.									\$56,213	11425	0
01/30/2019	TOOOh 9931'-39'. Rec fish complete. PU lateral assy. TIH 141'-11414'. Wash 11414'-11424' & circ btms up for safety. Rot & sld 11425'-11477'. Tripped out 9931' - 39'. Hole took proper fill. Recovered complete fish. Drained motor and broke bit. Broke down fish tools and laid out recovered fish (Bit, motor and float sub). Cleaned and cleared rig floor. Serviced rig and Top Drive. Picked up lateral assembly. Scribed motor and installed MWD. Tested motor and MWD. Made up 6-3/4" bit. Confirmed torque on BHA with manual rig tongs. Tripped in hole 141' - 11,414'. Pulled trip nipple and installed rotating element. Slipped and cut drill line. Washed 11,414' - 11,424' and circulated bottoms up for safety. Rotate drilled 11,425' - 11,435' (10' @ 20.0 fph), Slide drilled 11,435' - 11,442' (7' @ 7.0 fph). Rotate drilled 11,442' - 11,477' (35' @ 35.0 fph). ♦Note: (---NO---) Accidents / Incidents reported ☐ ♦Rig Diesel: (9032) gal ♦Used: (871) gal ♦Total Used: (47,030) gal ♦Rec: (0) gal. ☐ ♦Mud Diesel: (7473) gal ♦Used: (140) gal ♦Total Used: (1355) gal ♦Rec: (0) gal.									\$82,850	11477	52
01/31/2019	Rot & sld 11477'-12200'. Rotate drilled 11,477' - 11,512' (35' @ 35.0 fph), Slide drilled 11,512' - 11,522' (10' @ 6.6 fph). Rotate drilled 11,522' - 11,606' (84' @ 33.6 fph), Slide drilled 11,606' - 11,610' (4' @ 4.0 fph). Serviced rig and Top Drive. Slide drilled 11,610' - 11,624' (14' @ 7.0 fph). Rotate drilled 11,624' - 11,658' (34' @ 68.0 fph), Slide drilled 11,658' - 11,665' (7' @ 7.0 fph). Rotate drilled 11,665' - 11,796' (131' @ 43.7 fph), Slide drilled 11,796' - 11,808' (12' @ 8.0 fph). Rotate drilled 11,808' - 11,840' (32' @ 64.0 fph), Slide drilled 11,840' - 11,850' (10' @ 10.0 fph). Rotate drilled 11,850' - 11,993' (143' @ 71.5 fph), Slide drilled 11,993' - 12,005' (12' @ 8.0 fph). Rotate drilled 12,005' - 12,088' (83' @ 55.3 fph), Slide drilled 12,088' - 12,103' (15' @ 10.0 fph). Rotate drilled 12,103' - 12,200' (97' @ 64.7 fph). ♦Note: (---NO---) Accidents / Incidents reported ☐ ♦Rig Diesel: (7454) gal ♦Used: (1578) gal ♦Total Used: (48,608) gal ♦Rec: (0) gal. ☐ ♦Mud Diesel: (4873) gal ♦Used: (2600) gal ♦Total Used: (3955) gal ♦Rec: (0) gal.									\$63,358	12200	723

REGION		AREA	GROSS-BGT	GROSS-AFE	GROSS-CUMM	WI%	AFE #	START DATE	SPUD DATE	DATE COMPLTD	20190023		
PERMIAN		WOLFCAMP	7,000.000		4,366.416	0.75	180701	7/12/18	12/28/18		HACKBERRY 11 #201H (A1) ►18/19		
										G-DC	TD	PBTD	
02/01/2019		Rot & sld 12200'-13456'.									\$95,834	13456	1256
		Rotate drilled 12,200' - 12,266' (66' @ 66.0 fph), Slide drilled 12,266' - 12,278' (12' @ 12.0 fph). Rotate drilled 12,278' - 12,360' (82' @ 82.0 fph), Slide drilled 12,360' - 12,370' (10' @ 6.6 fph). Rotate drilled 12,370' - 12,454' (84' @ 56.0 fph), Slide drilled 12,454' - 12,466' (12' @ 12.0 fph). Rotate drilled 12,466' - 12,548' (82' @ 82.0 fph), Slide drilled 12,548' - 12,556' (8' @ 16.0 fph). Rotate drilled 12,556' - 12,642' (86' @ 86.0 fph). Serviced rig and Top Drive. Rotate drilled 12,642' - 12,830' (188' @ 75.2 fph), Slide drilled 12,830' - 12,840' (10' @ 20.0 fph). Rotate drilled 12,840' - 13,035' (195' @ 65.0 fph), Slide drilled 13,035' - 13,047' (12' @ 12.0 fph). Target Change: Added new Target: 11,090' @ 2500' VS. New Target: 11,080' @ 3000' VS. @ 2300 Hr. Rotate drilled 13,047' - 13,111' (64' @ 64.0 fph), Slide drilled 13,111' - 13,129' (18' @ 12.0 fph). Rotate drilled 13,129' - 13,456' (327' @ 72.7 fph). <											

REGION		AREA	GROSS-BGT	GROSS-AFE	GROSS-CUMM	WI%	AFE #	START DATE	SPUD DATE	DATE COMPLTD	20190023				
PERMIAN		WOLFCAMP	7,000.000		4,366.416	0.75	180701	7/12/18	12/28/18		HACKBERRY 11 #201H (A1) ►18/19				
										G-DC	TD	PBTD			
02/05/2019												Drill 15936'-16062'. Circ & cond. P/80 bbls sweep. TOO H 16062'-141'. LD NMDC, pull MWD & drain motor. MU Bit sub w/float, reamer & IB stabilizer. TIH 80'-11415'. Ream 11415'-12799'	\$68,869	16062	126
Rotate drilled 15,936' - 16,062' (126' @ 63.0 fph). Circulated and conditioned hole. Pumped 80 bbl high vis sweep around. Flow checked and pumped slug. Tripped out of the hole 16,062' - 7265'. Hole took proper fill and had no drag. Pulled rotating element and installed trip nipple. Tripped out of the hole 7265' - 141'. Hole took proper fill. Laid down 2 top NMDC, pulled MWD and drained motor. Broke bit and laid down all Directional tools. Cleared and cleaned rig floor. Made up Bit sub with float, Phantom reamer and IB stabilizer. Serviced rig and St-80 Tripped in hole to 80' - 6583'. Pulled trip nipple and installed rotating element. Tripped in hole to 6583' - 11,415'. Reamed 11,415' - 12,799'. 															

REGION	AREA	GROSS-BGT	GROSS-AFE	GROSS-CUMM	WI%	AFE #	START DATE	SPUD DATE	DATE COMPLTD	20190023		
PERMIAN	WOLFCAMP	7,000.000		4,366.416	0.75	180701	7/12/18	12/28/18		HACKBERRY 11 #201H (A1) ►18/19		
										G-DC	TD	PBTD
02/09/2019	LD drill pipe 7100'-liner hanger assy. LD liner hanger assy. TIH w/65 stds in drk to 6175'. LD drill pipe 6175'-surface. PJSM.									\$183,276	16062	0
<div>Laid down drill pipe 7,100' - Liner hanger Assembly. Lay down liner hanger assembly. Tripped in the hole with 65 stands in derrick to 6,175'. Laid down drill pipe 6,175' to surface. While Cleaning pits of OBM. Held safety meeting with Monahan's Nipple Up crew. Pulled trip nipple and mousehole, nipples down flowline, bled off hydraulic pressure, removed turnbuckles. Changed out 3" X 5" VBR's to 5" X 7" VBR's. Nipped down drain hoses. Removed hydraulic hoses. Broke DSA and spool connections, removed kill line and choke line. Laid over stack and prepare to install nightcap.</div> <div>♦Note: (---NO---) Accidents / Incidents reported ☐ ♦Rig Diesel: (8934) gal •Used: (873) gal •Total Used: (61,014) gal •Rec: (0) gal. ☐ ♦Mud Diesel: (2251) gal •Used: (0) gal •Total Used: (13,481) gal •Rec: (0) gal.</div>												
02/10/2019	RDMO 25%RD, 0% moved.									\$51,012	16062	0
<div>Nipped down DSA and spools from well head. Removed bit guide. Installed Well cap and torqued same. Well capped at 1100 hrs. Changed out saver sub on top drive from 4" to 5". Changed out grabber assembly. Changed out brakes on top drive. Removed swivel packing. Performed 90 day inspection on top drive. Rigged down pipe wrangler. Rigged down lines between pits. Rigged down stand pipe hoses. Hung blocks and unspooled drawworks. .Laid out all 4" handling equipment. Removed bails, tongs and inspected same. Cleared floor of all miscellaneous equipment. Power down rig floor. Rigged down electric line from grasshopper. Clean Rig of OBM</div> <div>Prepare to move from Hackberry 201H to Woodberry 3 101H 25% Rigged Down - 0% Moved - 0% Rigged Up Cleaning crew cleaned rig from 7 pm to 6 am.</div> <div>♦Note: (---NO---) Accidents / Incidents reported ☐ ♦Rig Diesel: (8246) gal •Used: (688) gal •Total Used: (61,702) gal •Rec: (0) gal. ☐ ♦Mud Diesel: (2251) gal •Used: (0) gal •Total Used: (13,481) gal •Rec: (0) gal.</div>												
02/11/2019	RDMO 80% RD 0% moved. Hackberry 201 completed prep to move to Woodberry 101H.									\$25,960	16062	0
<div>Rigged down grasshopper and laid down. Removed stairs from rig floor. Removed flowline stand and laid down Gasbuster. Removed standpipe and kill line hoses from rig floor. Unspool hoists. Rigged down pipe wrangler and installed shipping pin. Walked drawworks off substructure and pinned to substructure. Removed hand rails from drawworks. Retraced wire tray and pinned. Rigged up hydraulic lines to cylinders and pinned cylinders to substructure. Rigged down hose from under substructure. Removed SLA blocks under substructure and stored. Rigged down generators and diesel lines. Rigged down Top drive house and rolled up electrical lines. Waited on daylight. (Night Crew Broke Tour)</div> <div>Hackberry 201H Well ended. Rig release at 0600 Hrs on 2/11/2019. Prepare to move from Hackberry 201H to Woodberry 3 101H 80% Rigged Down - 0% Moved - 0% Rigged Up Crane tenderized rig till 16:00</div> <div>♦Note: (---NO---) Accidents / Incidents reported ☐ ♦Rig Diesel: (8048) gal •Used: (688) gal •Total Used: (61,702) gal •Rec: (0) gal. ☐ ♦Mud Diesel: (2251) gal •Used: (0) gal •Total Used: (13,481) gal •Rec: (0) gal.</div>												
02/12/2019	Cost updates only.									\$20,564	0	0
Cost updates only.												
Grand Total:										\$4,366,416		