

ABRAXAS PETROLEUM CORPORATION

Daily Drilling Report

BGT # 20190010 AREA WOLFCAMP WELL WOODBERRY 3 #101H (3rd BS-L)

PROPOSAL DRILL & COMPLETE A HORIZONTAL 3RD BONE SPRINGS WITH A 5000' LATERAL.

AFE NUMBER 190107 START DATE : 1/12/2019 MIRU DATE : 2/12/2019 SPUD DATE : 2/17/2019

GROSS AFE : \$7,895 RDMO DATE : 4/22/2019 PROD Start DATE : FINALIZED DATE :

DR DATE 06/12/2019

G-DC : \$17,117 G-CC : \$3,846,500 DR TD : 16,249 PBTD : 0

ONE LINER: MIRU W/O rig & equip. ND flange. NU BOPE. Secure well for the night.

DAILY ACTIVITY:

MIRU Forbes #177 24hr workover rig & equipment.
SICP, "B" section & surface 0#psi. ND cap flange. NU
11" x 10K BOPE dressed w/5 1/2" rams & blinds. Test blind
rams to 3500#psi f/ 30 minuets w/ rig pump. Held ok.
Restrting traveling blocks f/6 to 8 lines.
Secured well f/night.

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GROSS AFE : \$7,895 RDMO DATE : 4/22/2019 PROD Start DATE : FINALIZED DATE :

DR DATE 06/13/2019

G-DC : \$98,353 G-CC : \$3,944,853 DR TD : 16,060 PBTD : 0

ONE LINER: SICIP 0#. RU csg crew. PJSM. MU seal assy & RIH. PU 5 1/2" frac string. Tag top of PBR @ 10199'. Test annulas & seals. ND BOP. NU tbh hanger.

DAILY ACTIVITY:

SICIP 0#psi. Opened well ;static. Unloaded 256 jts of 5 1/2" 23# P110 TTRS1 casing on racks. Clean,drift & tally same. RU Express casing crew,torque turn & LD machine. Held safety meet. MU 5 1/2" x 20' Team seal assembly & RIH tallying & PU 5 1/2" 23# frac string. Optimum MU torque 17,200#psi. Tagged top of PBR @ 10,199'. Pickup weight 187K Slack off weight 175K Was able to see the 5-8K drag for 18' as the seals engaged the PBR, Set 20K down on the NOGO. Close pipe rams, Test 5 1/2" X 7 5/8" annulas and seals to 3500# for 30 mins, test good. Open rams and set 55k down on NOGO, Set slips on 5 1/2" casing @ 120K. Cut off 5 1/2" above rig floor, Nipple down 11" 10m BOP Make final cut on 5 1/2". Nipple up 11" 10m x 7 1/16" 15m tubing hanger(C-section). Test seals to 17,000# and void to 10,000#,

KB	28'
1 JT 5 1/2" 23# P110 TTRS1 CSG	Landing JT 28'-55'
244 JTS 5 1/2" 23# P110 TTRS1 CSG	55'- 10,197'
NOGO Sub	10,197'-10,199'
5.750" Seal assembly	10,199'- 10218'

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G-DC : \$20,479 G-CC : \$3,965,332 DR TD : 16,060 PBTD : 0

ONE LINER: Cont NU frac valve. Test valve to 14K psi. Test csg. Secure well. RD MO serv unit. Standby for CTU ops.

DAILY ACTIVITY:

Continue NU 7 1/16" 15K frac valve. Install test plug. Shell test valve to 250#psi low on chart f/30 minuets. Ok. Attempt to test high. Blew pop-off @ 12,000#psi & damaged chart recorder. Changed out recorder. Test valve to 14,000#psi high f/30 minuets. Ok. Pressure up 5 1/2"x7 5/8" annulus to 3500#psi Test 5 1/2" casing to 11,000#psi in 3000#psi increments. Held 11,000#psi f/ 30 minuets on chart. Bled off all pressures. Secured well. RD MO Forbes well servicing unit. Standby f/ CTU Ops.

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GROSS AFE : \$7,895 **RDMO DATE :** 4/22/2019 **PROD Start DATE :** **FINALIZED DATE :**

DR DATE 06/15/2019

G-DC : \$6,740 **G-CC :** \$4,055,687 **DR TD :** 16,060 **PBTD :** 0

ONE LINER: Standby f/CTU ops.

DAILY ACTIVITY:

Standby f/CTU ops.

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GROSS AFE : \$7,895 RDMO DATE : 4/22/2019 PROD Start DATE : FINALIZED DATE :

DR DATE 06/16/2019

G-DC : \$83,615 G-CC : \$4,055,687 DR TD : 16,060 PBTD : 0

ONE LINER: MI & spot CTU. Spot frac tanks & fill w/2% KCL. Lay lines to 101H & flowback. Standby for CTU ops.

DAILY ACTIVITY:

MI & spot Legend CTU. Spot frac tanks & fill w/2% KCL.
Lay lines lines to 101H & flowback. Standby for crane.
R/U Enterac crane. Standby for CT ops.

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GROSS AFE : \$7,895 RDMO DATE : 4/22/2019 PROD Start DATE : FINALIZED DATE :

DR DATE 06/17/2019

G-DC : \$0 G-CC : \$4,055,687 DR TD : 0 PBTD : 0

ONE LINER: RU CTU. TIH w/bit & motor assy & clean out to FC @ 16150' CTM. Circ clean & POOH. MU TCP guns, TIH w/same, tag btm @ 16140'. Perf stg #1 @ 16140' to 15997', 8 clusters, 4 JSPF. POOH. Inj test @ 9 BPM & 7000#. 4500# SICP.

DAILY ACTIVITY:

RU Legend energy services 2 3/8 CTU. Made up TEAM BHA as follows:
3.40" External Coil connector, 3.12" dual flapper, 3.12" Bi-Dir Jar,
3.12" Hyd Disconnect, 3.12" Agitator, 3.12" Filter sub, 3.12" Top Notch
HTHF Motor, 3.12", Bit sub, 3.12", 4.5" NOV Rock Bit.
Test Lubricator and chokes to 5000#.
TIH with Bit and motor assembly. Tagged float collar @ 16,150' CTM.
Make a painted mark on the CT on the reel.
Pump 10-10-10 sweep, Displace w/ 2% KCL while POOH.
L/D bit and motor BHA, M/U TCP guns, TIH w/ same, Tag bottom @
16,140' CTM. According to the painted mark, gun tagged 5-6' off FC.
Pump down 5/8" ball. Pumped 91 bbls to seat ball in firing head. Pressure
increased from 800 to 3700 to shift firing head. Perf Stage #1, Perf
16,140', 16,131', 16,109', 16,086', 16,064', 16,042', 16,019', 15,997'.
w/ 1' guns, 4 SPF 90 degree phasing
POOH, L/D TCP guns, Perform Injection test:
7.8 BPM 6880 PSI
8.5 BPM 6927 PSI
9.0 BPM 7000 PSI
Pumped 100 BBLs ISICP 4500 psi.

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DR DATE 06/18/2019

G-DC : \$28,890 **G-CC :** \$4,084,577 **DR TD :** 16,060 **PBTD :** 0

ONE LINER: Secure well. Standby Frac Ops.

DAILY ACTIVITY: Secure well. Standby Frac Ops.

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GROSS AFE : \$7,895 **RDMO DATE :** 4/22/2019 **PROD Start DATE :** **FINALIZED DATE :**

DR DATE 06/19/2019

G-DC : \$3,600 **G-CC :** \$4,088,177 **DR TD :** 16,060 **PBTD :** 0

ONE LINER: Standby f/Frac Ops.

DAILY ACTIVITY: Standby f/Frac Ops.

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GROSS AFE : \$7,895 **RDMO DATE :** 4/22/2019 **PROD Start DATE :** **FINALIZED DATE :**

DR DATE 06/28/2019

G-DC : \$5,735 **G-CC :** \$4,093,912 **DR TD :** 16,060 **PBTD :** 0

ONE LINER: NU frac trees & zipper manifold. Set 8 frac tanks & 2 acid tanks. Standby for frac fleet.

DAILY ACTIVITY:

N/U Frac trees and Zipper manifold
Tested to 250# low and 14,500# high for 15 MIN.
Set frac 8 frac tanks and 2 acid tanks in containments.
Standby for frac fleet

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GROSS AFE : \$7,895 RDMO DATE : 4/22/2019 PROD Start DATE : FINALIZED DATE :

DR DATE 06/29/2019

G-DC : \$3,150 G-CC : \$4,097,062 DR TD : 16,060 PBTD : 0

ONE LINER: Frac tanks & acid tanks in place. Hook up water transfer lines & test. Standby for frac ops.

DAILY ACTIVITY:

Frac tanks and acid tanks inplace.
Finished installing and hooking up water transfer lines.
Filled frac tanks half full to check for leaks and delivery rates.
105 BPM @ 95 PSI
Standby for frac ops
Reports suspended until arrival of frac fleet.

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GROSS AFE : \$7,895 RDMO DATE : 4/22/2019 PROD Start DATE : FINALIZED DATE :

DR DATE 07/08/2019

G-DC : \$30,452 G-CC : \$4,127,514 DR TD : 16,060 PBTD : 0

ONE LINER: RU frac crew, WL, & pressure control. RU pump dwn pumps & zipper manifold. Priming pumps @ RT to prep to test frac iron. SICP 3700#

DAILY ACTIVITY:

RU C&J ES WTX 7 frac crew
RU KLW Wireline and pressure control
RU Fesco Pump Down Pumps and Zipper Manifold
C&J priming pumps at report time to prepare to test frac iron.

SI Casing Pressure - 3770 psi

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GROSS AFE : \$7,895 RDMO DATE : 4/22/2019 PROD Start DATE : FINALIZED DATE :

DR DATE 07/09/2019

G-DC : \$33,034 G-CC : \$4,160,548 DR TD : 16,060 PBTD : 0

ONE LINER: Frac stg #1. Repaired leaking port on frac tree. PU riser, test riser. Test flowback. RIH w/plug & guns. Set plug @ 15824', hung up, got free. POOH & WO offset well frac ops. RIH w/ guns to perf stage 2.

DAILY ACTIVITY:

Prime Frac pumps, test frac iron, Set "pop offs".
Frac Stage #1
Plug Btm perf Top perf Max press Avg press Max Rate
16,151 16,002 9,855 9,331 85.9
Avg Rate Clean bbls Slurry bbls 100 mesh 100 Mesh White
76.8 11,186.9 11,659.7 364,440 0
Gradient 0.87 ISIP- 4812
Repaired leaking port on Frac tree.Repaired backside leak.
PU KLX riser, Test riser leak below tool trap. Repaired leaks Fesco flowback.
Test Flowback, pumpdown lines & Eline riser to 9,500#
RIH with Plug and guns. Set plug @ 15,824'. Positive indication of plug setting
but guns did not fire. Having problems w/ new addressable system.
POOH to lubricator and wait for offset frac ops
Change guns out w/. EB perf. system and #20 setting tool (sleeve no plug) PU tools
RIH with 2nd run of stage 2 guns. Tagged plug & tool string stuck.
Worked tool string to Eline limits pumping 3 BPM to max of 10 BPM. Max 6700 psi.
Working Eline, attempting to free tool string @ rept time

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GROSS AFE : \$7,895 RDMO DATE : 4/22/2019 PROD Start DATE : FINALIZED DATE :

DR DATE 07/10/2019

G-DC : \$151,614 G-CC : \$4,312,162 DR TD : 16,060 PBTD : 0

ONE LINER: Working stuck tools, shoot bottom cluster and tools free, perf all of 2nd stage, log CCL out of hole. Frac stg #2. Perf stg #3. Frac stg #3. Replace broken WL tool trap.

DAILY ACTIVITY:

Working Eline to max pull/weight set by KLX (4000#) pumping \$ BPM while working the Eline. Mad 4 attempts w/ no results.
Pulled line up to the 4000# limit & established 3BPM pump down rate & perforated the bottom gun; tool string broke free. Pulled up 100 feet; no drag.
Pumped down to next stage cluster & pulled OOH finishing the perforating run.
pulled CCL log to above liner top.
Perf Stage #2. Set Plug @ 15,982'. Perf 15,972', 15,950', 15,929' 15,908', 15,886', 15,865', 15,844'. Total PDV-468 bbls
Stand by Eline Ops 201H
Frac Stage #2

Plug	Btm perf	Top perf	Max press	Avg press	Max Rate
15,982'	15,972'	15,844'	9,968	9,639	86.6
Avg Rate	Clean bbls	Slurry bbls	100 mesh	100 Mesh White	
83.6	9,567	9,982	364,820	0	
Gradient	0.88	ISIP-	4,734		

Stand by Eline Ops 201H
Perf Stage #3. Set Plug @ 15,824'. Perf 15,814', 15,792', 15,771' 15,750', 15,728', 15,707', 15,686'. Total PDV-301 bbls
Stand by Frac Ops 201H
Frac Stage #3

Plug	Btm perf	Top perf	Max press	Avg press	Max Rate
15,824'	15,814'	15,868'	10,022	9,717	86.4
Avg Rate	Clean bbls	Slurry bbls	100 mesh	100 Mesh White	
84.4	9,580	10,055	365,320	0	
Gradient	0.89	ISIP-	4,729		

Remove and replace WL tool trap due to bent trap arm.

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GROSS AFE : \$7,895 RDMO DATE : 4/22/2019 PROD Start DATE : FINALIZED DATE :

DR DATE 07/11/2019

G-DC : \$186,431 G-CC : \$4,498,593 DR TD : 16,060 PBTD : 0

ONE LINER: Perf stg #4. Frac stg #4. Perf stg #5. Frac stg #5. Perf stg #6. Frac stg #6. Beg Perf stg #7.

DAILY ACTIVITY:

Replace Eline tool Trap. Test riser 8000#.
 Perf Stage #4. Set Plug @ 15,666'. Perf 15,656', 15,634', 15,613'
 15,592', 15,570', 15,549', 15,528'. Total PDV-221 bbls
 Frac Stage #4

Plug	Btm perf	Top perf	Max press	Avg press	Max Rate
15,666'	15,656'	15,528'	9,941	9,726	84.1
Avg Rate	Clean bbls	Slurry bbls	100 mesh	100 Mesh White	
80.7	9,246	9,664	365,960	0	
Gradient	0.89	ISIP- 4,956			

 Perf Stage #5. Set Plug @ 15,508'. Perf 15,498', 15,476', 15,455'
 15,433', 15,412', 15,391', 15,369'. Total PDV-188 bbls. Grease Frac Tree
 Frac Stage #5

Plug	Btm perf	Top perf	Max press	Avg press	Max Rate
15,508'	15,498'	15,369'	10,038	9,619	82.8
Avg Rate	Clean bbls	Slurry bbls	100 mesh	100 Mesh White	
77.4	8,985	9,394	358,960	0	
Gradient	0.91	ISIP- 4,722			

 Perf Stage #6. Set Plug @ 15,349'. Perf 15,339', 15,318', 15,297'
 15,275', 15,254', 15,233', 15,211'. Total PDV-204 bbls. Grease Frac Tree
 Stand by for Stage 5 frac 201H
 Frac Stage #6

Plug	Btm perf	Top perf	Max press	Avg press	Max Rate
15,349'	15,339'	15,211'	9,943	9,710	80.6
Avg Rate	Clean bbls	Slurry bbls	100 mesh	100 Mesh White	
76.9	8,928	9,347	357,380	0	
Gradient	0.91	ISIP- 4,719			

 Perf Stage #7. Set Plug @ 15,191'. Perf 15,181', 15,160', 15,139'
 15,117', 15,096', 15,075', 15,053'. Total PDV-177 bbls.

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DR DATE 07/12/2019

G-DC : \$182,363 G-CC : \$4,680,956 DR TD : 16,060 PBTD : 0

ONE LINER: Frac stg #7. Perf stg #8. Frac stg #8. Perf stg #9. Frac stg #9. Perf stg #10. Standby for frac ops on 201H.

DAILY ACTIVITY:

Stg. #7 plug & perf. Complete. Stand by for Frac Ops. 201H above tool trap
Frac Stage #7
Plug Btm perf Top perf Max press Avg press Max Rate
15,191' 15,181' 15,053' 10,220 9,790 83.3
Avg Rate Clean bbls Slurry bbls 100 mesh 100 Mesh White
80.0 8,858 9,276 363,640 0
Gradient 0.89 ISIP- 5,026
Perf Stage #8. Set Plug @ 15,033'. Perf 15,023', 15,002', 14,981'
14,959', 14,938', 14,917', 14,895'. Total PDV-194 bbls.
Frac Stage #8
Plug Btm perf Top perf Max press Avg press Max Rate
15,033' 15,023' 14,895' 10,062 9,785 86.3
Avg Rate Clean bbls Slurry bbls 100 mesh 100 Mesh White
79.1 8,750 9,187 365,920 0
Gradient 0.89 ISIP- 4,962
Perf Stage #9. Set Plug @ 14,875'. Perf 14,864', 14,844', 14,823'
14,801', 14,780', 14,759', 14,737'. Total PDV-190 bbls. Grease Tree
Lay down lubricator and scope down crane due to severe lighting and
wind.
Repair pack off elements and hydraulic lines on lubricator while down
Frac Stage #9
Plug Btm perf Top perf Max press Avg press Max Rate
14,875' 14,864' 14,737' 9,997 9,779 90.5
Avg Rate Clean bbls Slurry bbls 100 mesh 100 Mesh White
85.7 8,843 9,270 371,444 0
Gradient 0.92 ISIP- 4,713
Perf Stage #10. Set Plug @ 14,717'. Perf 14,707', 14,686', 14,665'
14,643', 14,622', 14,601', 14,579'. Total PDV-182 bbls.
Stand by for frac ops on the 201 H tools above tool trap

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G-DC : \$224,168 G-CC : \$5,272,380 DR TD : 16,060 PBTD : 0

ONE LINER: Frac stg #10. Perf stg #11. Frac stg #11. Perf stg #12. Frac stg #12. Perf stg #13. Frac stg #3.

DAILY ACTIVITY:

Frac Stage #10
 Plug Btm perf Top perf Max press Avg press Max Rate
 14,717' 14,707' 14,579 10,093 9,832 87.3
 Avg Rate Clean bbls Slurry bbls 100 mesh 100 Mesh White
 72.1 10,314 10,704 358,980 0
 Gradient 0.88 ISIP- 4,838
 Perf Stage #11. Set Plug @ 14,559'. Perf 14,549', 14,528', 14,507'
 14,485', 14,464', 14,443', 14,421'. Total PDV-171 bbls.
 Down for Blender repairs.
 Frac Stage #11
 Plug Btm perf Top perf Max press Avg press Max Rate
 14,559' 14,549' 14,421' 10,143 9,733 89.3
 Avg Rate Clean bbls Slurry bbls 100 mesh 100 Mesh White
 82.4 8,742 9,131 359,280
 Gradient 0.87 ISIP- 4,707
 Perf Stage #12. Set Plug @ 14,401'. Perf 14,391', 14,370', 14,349'
 14,327', 14,306', 14,285', 14,263'. Total PDV-174 bbls.
 Frac Stage #12
 Plug Btm perf Top perf Max press Avg press Max Rate
 14,401' 14,391' 14,263' 10,099 9,876 94.5
 Avg Rate Clean bbls Slurry bbls 100 mesh 100 Mesh White
 88.7 8,653 9,067 355,110
 Gradient 0.88 ISIP- 4,706
 Perf Stage #13. Set Plug @ 14,243'. Perf 14,233', 14,214', 14,191'
 14,169', 14,148', 14,126', 14,105'. Total PDV-211 bbls. Grease Tree
 Stand by Frac Ops 201H Frac Stage #13
 Plug Btm perf Top perf Max press Avg press Max Rate
 14,243' 14,233' 14,105 10,105 9,863 92.2
 Avg Rate Clean bbls Slurry bbls 100 mesh 100 Mesh White
 87.4 8,694 9,103 360,400 0
 Gradient 0.91 ISIP- 4,704

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DR DATE 07/14/2019

G-DC : \$137,926 G-CC : \$5,272,380 DR TD : 16,060 PBTD : 0

ONE LINER: Perf stg #14. Frac stg #14. Perf stg #15. Frac stg #15. Perf stg #16.

DAILY ACTIVITY:

Perf Stage #14. Set Plug @ 14,085'. Perf 14,075', 14,054', 14,032' 14,011',13,990,', 13,968', 13,947'. Total PDV-130 bbls.
Standby by Frac Ops 201H. Blender issues.
Resume Frac. Standby Frac Ops.
Standby by Frac Ops 201H. Starter out on spare Boost pump
Frac Stage #14
Plug Btm perf Top perf Max press Avg press Max Rate
14,085' 14,075' 13,947' 10,161 9,787 89.1
Avg Rate Clean bbls Slurry bbls 100 mesh 100 Mesh White
83.7 8,356 8,759 355,500
Gradient - 0.90 ISIP- 5,077
Perf Stage #15. Set Plug @ 13,927'. Perf 13,917', 13,896', 13,874' 13,853',13,832,', 13,810', 13,789'. Total PDV-126 bbls.
Standby by Frac Ops 201H. Frac stage 14
Frac Stage #15
Plug Btm perf Top perf Max press Avg press Max Rate
13,927' 13,917' 13,789' 10,108 9,821 93.0
Avg Rate Clean bbls Slurry bbls 100 mesh 100 Mesh White
86.1 8,419 8,827 353,627
Gradient - 0.89 ISIP- 4,689
Stand by Wireline work 201H and wireline repair and lubricator repair.
Perf Stage #15. Set Plug @ 13,769'. Perf 13,759', 13,738', 13,716' 13,695', 13,672,', 13,652', 13,631'. Total PDV-110 bbls.

ABRAXAS PETROLEUM CORPORATION

Daily Drilling Report

BGT #	20190010	AREA	WOLFCAMP	WELL	WOODBERRY 3 #101H (3rd BS-L)
PROPOSAL	DRILL & COMPLETE A HORIZONTAL 3RD BONE SPRINGS WITH A 5000' LATERAL.				
AFE NUMBER	190107	START DATE :	1/12/2019	MIRU DATE :	2/12/2019
GROSS AFE :	\$7,895	RDMO DATE :	4/22/2019	PROD Start DATE :	
				FINALIZED DATE :	

DR DATE 07/15/2019

G-DC : \$229,330 G-CC : \$5,272,380 DR TD : 16,060 PBTD : 0

ONE LINER: Frac stg #16. Perf stg #17. Frac stg #17. Perf stg #18. Frac stg #18. Perf stg #19. Frac stg #19. Perf stg #20.

DAILY ACTIVITY:

Standby above tool trap, Frac Ops 201H.

Frac Stage #16

Plug	Btm perf	Top perf	Max press	Avg press	Max Rate
13,769'	13,759'	13,631'	10,128	9,811	86.7
Avg Rate	Clean bbls	Slurry bbls	100 mesh	100 Mesh White	
73.9	7738	8,151	359.140	0	
Gradient -	0.88	ISIP-	4,895		

Perf Stage #17. Set Plug @ 13,611'. Perf 13,601', 13,580', 13,558' 13,537', 13,516', 13,494', 13,473'. Total PDV-117 bbls.

Frac Stage #17

Plug	Btm perf	Top perf	Max press	Avg press	Max Rate
13,611	13,601	13,473	10,063	9,832	90.3
Avg Rate	Clean bbls	Slurry bbls	100 mesh	100 Mesh White	
86.8	8315	8,724	364,540	0	
Gradient -	0.87	ISIP-	4,759		

Perf Stage #18. Set Plug @ 13,453'. Perf 13,443', 13,422', 13,400' 13,379', 13,358', 13,336', 13,415'. Total PDV-105 bbls.

Frac Stage #18

Plug	Btm perf	Top perf	Max press	Avg press	Max Rate
13,453	13,443	13,415	10,041	9,831	94.1
Avg Rate	Clean bbls	Slurry bbls	100 mesh	100 Mesh White	
87.9	8,231	8,634	360,192	0	
Gradient -	0.89	ISIP-	4,691		

Perf Stage #19. Set Plug @ 13,295'. Perf 13,285', 13,264', 13,242' 13,211', 13,200', 13,180', 13,157'. Total PDV-104 bbls.

Wait on offset frac on 201H

Continue on next page

Frac Stage #19

Plug	Btm perf	Top perf	Max press	Avg press	Max Rate
13,295'	13,285'	13,157'	10,152	9,815	85.9
Avg Rate	Clean bbls	Slurry bbls	100 mesh	100 Mesh White	
77.5	8,900	9,297	366,140	0	
Gradient -	0.87	ISIP-	4,689		

Perf Stage #20. Set Plug @ 13,137'. Perf 13,127', 13,106', 13,084' 13,063', 13,042', 13,020', 12,999'. Total PDV-105 bbls.

ABRAXAS PETROLEUM CORPORATION

Daily Drilling Report

BGT #	20190010	AREA	WOLFCAMP	WELL	WOODBERRY 3 #101H (3rd BS-L)
PROPOSAL	DRILL & COMPLETE A HORIZONTAL 3RD BONE SPRINGS WITH A 5000' LATERAL.				
AFE NUMBER	190107	START DATE :	1/12/2019	MIRU DATE :	2/12/2019
GROSS AFE :	\$7,895	RDMO DATE :	4/22/2019	PROD Start DATE :	
				FINALIZED DATE :	

DR DATE	07/16/2019
G-DC :	\$254,193
G-CC :	\$5,526,573
DR TD :	16,060
PBTD :	0

ONE LINER: Frac stg #20. Perf stg #21. Frac stg #21. Perf stg #22. Frac stg #22. Perf stg #23. Frac stg #23. Perf stg #24. Frac stg #24. Perf stg #25.

DAILY ACTIVITY:

Frac Stage #20
 Plug Btm perf Top perf Max press Avg press Max Rate
 13,137' 13,127' 12,999 10,059 9,894 93.3
 Avg Rate Clean bbls Slurry bbls 100 mesh 100 Mesh White
 88.9 8,407 8,820.7 366,140
 Gradient - 0.87 ISIP- 4,760
 Perf Stage #21. Set Plug @ 12,979'. Perf 12,969', 12,948', 12,926'
 12,905', 12,884', 12,862', 12,841'. Total PDV-157 bbls.
 Frac Stage #21
 Plug Btm perf Top perf Max press Avg press Max Rate
 12,979' 12,969' 12,841' 10,056 9,854 98.1
 Avg Rate Clean bbls Slurry bbls 100 mesh 100 Mesh White
 90.3 8,434 8,824 365,800
 Gradient - 0.88 ISIP- 4,791
 Perf Stage #22. Set Plug @ 12,821'. Perf 12,811', 12,789', 12,768'
 12,747', 12,727', 12,704', 12,685'. Total PDV-204 bbls.
 Frac maintenance, maintenance to eline riser, grease Frac trees.
 Frac Stage #22
 Plug Btm perf Top perf Max press Avg press Max Rate
 12,821' 12,811' 12,685' 10,084 9,688 96.8
 Avg Rate Clean bbls Slurry bbls 100 mesh 100 Mesh White
 88.7 7,911 8,310 362,920
 Gradient - 0.87 ISIP- 4,679
 Perf Stage #23. Set Plug @ 12,663'. Perf 12,653', 12,631', 12,610'
 12,589', 12,567', 12,546', 12,525'. Total PDV-79 bbls.
 Frac Stage #23
 Plug Btm perf Top perf Max press Avg press Max Rate
 12,663' 12,653' 12,525 10,047 9,835 99.7
 Avg Rate Clean bbls Slurry bbls 100 mesh 100 Mesh White
 92.9 8,105 8,520 364,540
 Gradient - 0.88 ISIP- 4,678
 Perf Stage #24. Set Plug @ 12,505'. Perf 12,495', 12,473', 12,452'
 12,431', 12,409', 12,388', 12,367'. Total PDV-85 bbls.
 Frac Stage #24
 Plug Btm perf Top perf Max press Avg press Max Rate
 12,505' 12,495' 12,367' 10,135 9,864 91.8
 Avg Rate Clean bbls Slurry bbls 100 mesh 100 Mesh White
 86.5 8,096 8,521 359,480
 Gradient - 0.89 ISIP- 4,676
 Perf Stage #25. Set Plug @ 12,347'. Perf 12,337', 12,315', 12,294'
 12,273', 12,251', 12,230', 12,209'. Total PDV-72 bbls.

ABRAXAS PETROLEUM CORPORATION

Daily Drilling Report

BGT #	20190010	AREA	WOLFCAMP	WELL	WOODBERRY 3 #101H (3rd BS-L)
PROPOSAL	DRILL & COMPLETE A HORIZONTAL 3RD BONE SPRINGS WITH A 5000' LATERAL.				
AFE NUMBER	190107	START DATE :	1/12/2019	MIRU DATE :	2/12/2019
GROSS AFE :	\$7,895	RDMO DATE :	4/22/2019	PROD Start DATE :	
				FINALIZED DATE :	

DR DATE	07/17/2019
G-DC :	\$233,356
G-CC :	\$5,776,432
DR TD :	16,060
PBTD :	0

ONE LINER: Frac stg #25. Perf stg #26. Frac stg #26. Perf stg #27. Frac stg #27. Perf stg #28. Frac stg #28. Perf stg #29.

DAILY ACTIVITY:

Stand by Frac Ops 201H

Frac Stage #25

Plug	Btm perf	Top perf	Max press	Avg press	Max Rate
12,347'	12,337'	12,209'	10,041	9,855	94.2
Avg Rate	Clean bbls	Slurry bbls	100 mesh	100 Mesh White	
86.7	8055	8,478	356,820	0	
Gradient -	0.89	ISIP-	4,964		

Perf Stage #26. Set Plug @ 12,189'. Perf 12,179', 12,157', 12,136' 12,115', 12,093', 12,072', 12,051'. Total PDV-128 bbls.

Stand by for Fuel delivery

Frac Stage #26

Plug	Btm perf	Top perf	Max press	Avg press	Max Rate
12,189'	12,179'	12,051'	10,056	9,504	99.3
Avg Rate	Clean bbls	Slurry bbls	100 mesh	100 Mesh White	
93.7	7804	8,216	362,300	0	
Gradient -	0.88	ISIP-	4831		

Perf Stage #27. Set Plug @ 12,031'. Perf 12,021', 11,999', 11,978' 11,957', 11,935', 11,914', 11,893'. Total PDV-199 bbls.

Stand by frac Ops 201H

Frac Stage #27

Plug	Btm perf	Top perf	Max press	Avg press	Max Rate
12,031'	12,021'	11,893'	10,082	9,697	100.3
Avg Rate	Clean bbls	Slurry bbls	100 mesh	100 Mesh White	
94.1	8,295	8,722	347,888	0	
Gradient -	0.86	ISIP-	4672		

RIH to Perf Stage #28. Loss of tool communication when on bottom POOH to replace tool string

Perf Stage #28. Set Plug @ 11,873'. Perf 11,860', 11,841', 11,820' 11,799', 11,774', 11,756', 11,735'. Total PDV-100 bbls.

Frac Stage #28

Plug	Btm perf	Top perf	Max press	Avg press	Max Rate
11,873'	11,860'	11,735'	10,042	9,722	92.3
Avg Rate	Clean bbls	Slurry bbls	100 mesh	100 Mesh White	
92.3	8104	8,520	357,420	0	
Gradient -	0.87	ISIP-	4,673		

Perf Stage #29. Set Plug @ 11,715'. Perf 11,705', 11,683', 11,665' 11,641', 11,622', 11,598', 11,577'. Total PDV-79 bbls.