

ABRAXAS PETROLEUM CORPORATION

Daily Drilling Report

BGT # 20180021 AREA WOLFCAMP WELL MESQUITE U #103H (3rd BS)

PROPOSAL DRILL & COMPLETE A HORIZONTAL 3RD BONE SPRING WITH A 5000+ LATERAL.

AFE NUMBER 180202 START DATE : 3/30/2018 MIRU DATE : 6/5/2018 SPUD DATE : 6/9/2018

GROSS AFE : \$8,036 RDMO DATE : PROD Start DATE : FINALIZED DATE :

DR DATE 08/28/2018

G-DC : \$23,430 G-CC : \$2,867,376 DR TD : 15,917 PBTD : 0

ONE LINER: MIRU. NU 11" 10M BOP. 98 Jnts received. Remaining to be delivered in the AM. Secure well.

DAILY ACTIVITY:

MIRU Basic Rig #1271'
N/U 11" 10M BOPE
R/U floor. Set Hyd. Catwalk and Racks.
Unload 5", 18#, P-110, Liberty flush JT.
Received total of 98 Jt's. Remaining to be delivered this AM
Secure well.

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GROSS AFE : \$8,036 RDMO DATE : PROD Start DATE : FINALIZED DATE :

DR DATE 08/29/2018

G-DC : \$51,700 G-CC : \$2,919,076 DR TD : 15,917 PBTD : 0

ONE LINER: Clean & drift csg. RU csg crew. MU team seal assy & RIH. RIH w/ 5" & seals. Tag top of Liner @ 10043'. Circ btms up. Land pipe w/ 50000# compression. 231 jnts tot. RD csg crew. Drop slips & ND BOPE & NU thg head.

DAILY ACTIVITY:

Began cleaning and drifting 98 Jt's 5" 18#, P-110 Liberty Flush Jt
Held safety meeting with casing crew and rig hands.
R/U Express casing crew
Made up Team Seal assembly and RIH. Torque turning to 5800#
Unloaded and cleaned remaining casing. (152Jt's) 250 Jt's on Location.
Continued RIH with 5" and seals. Tagged top of Liner @ 10,043'
Circulate bottoms up.
Had to Turn pipe a 1/2 RD to get into liner top.
Landed pipe with 50,000# compression. 231 Jt's total
Tested 5" X 7" annulus to 2000# for 30 MIN. Good test.
R/D casing crew.
Drop slips and N/D BOPE. N/U 11" 10M X 7 1/16" 15M Tubing Head.

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GROSS AFE : \$8,036 **RDMO DATE :** **PROD Start DATE :** **FINALIZED DATE :**

DR DATE 08/30/2018

G-DC : \$15,653 **G-CC :** \$2,934,729 **DR TD :** 15,917 **PBTD :** 0

ONE LINER: NU 11" 10Mx7 1/16" 15M tbg head. Test void to 10M. Inst lower 7 1/16" frac valve & night cap on well. RD Basic Rig #1721 & move to Mesquite 102.

DAILY ACTIVITY:

N/U 11" 10m X 7 1/16" 15M tubing head
Test void to 10M. Installed lower 7 1/6" 15M frac valve & night cap on well
R/D Basic rig 1721 and move over to 37-102H

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GROSS AFE : \$8,036 RDMO DATE : PROD Start DATE : FINALIZED DATE :

DR DATE 08/31/2018

G-DC : \$6,798 G-CC : \$2,941,527 DR TD : 15,917 PBTD : 0

ONE LINER: Set test plug & test frac valve. RU pump truck. Pressure up on 5" tie-back & 4 1/2" to 8500# & held. Good csg test. Bled to 0# and secure well.

DAILY ACTIVITY:

Set test plug in wellhead and tested Frac valve to 250# low and 14,500# high
R/U J4 Pump truck. Opened 5" x 7" annulus to atmosphere. Pressured up on
5" tieback and 4 1/2" liner to 3000#. Held 5 MIN. Increased pressure to 6000#
Held 5 MIN. Increased pressure to 8500# for 35MIN. No Leak off. Good casing
test. Bled to 0# and secured well.

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GROSS AFE : \$8,036 **RDMO DATE :** **PROD Start DATE :** **FINALIZED DATE :**

DR DATE 09/01/2018

G-DC : \$7,150 **G-CC :** \$3,016,724 **DR TD :** 15,917 **PBTD :** 0

ONE LINER: Inst. Frac trees & test to 14500#. Secure well.

DAILY ACTIVITY: Installed frac trees and tested to 14,500#
secured well

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GROSS AFE : \$8,036 RDMO DATE : PROD Start DATE : FINALIZED DATE :

DR DATE 09/02/2018

G-DC : \$13,090 G-CC : \$3,016,724 DR TD : 15,917 PBTD : 0

ONE LINER: Standby for coil tbg ops. Rig over CTU from 102H, Test motor & lubricator to 6500#. RIH w/ cleanout assy.

DAILY ACTIVITY: Standby for Coil tubing ops
Rig over CTU from 102H. Test motor, Test Lubricator to 6500#
RIH with cleanout assm.

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PROPOSAL DRILL & COMPLETE A HORIZONTAL 3RD BONE SPRING WITH A 5000+ LATERAL.

AFE NUMBER 180202 START DATE : 3/30/2018 MIRU DATE : 6/5/2018 SPUD DATE : 6/9/2018

GROSS AFE : \$8,036 RDMO DATE : PROD Start DATE : FINALIZED DATE :

DR DATE 09/03/2018

G-DC : \$51,932 G-CC : \$3,016,724 DR TD : 15,917 PBTD : 0

ONE LINER: RIH w/ clean Assm. P/2.5 BPM Tag Orio @ 15921' CTM. P/ sweep & POOH w/ coil. SI Hyd master. RU Fesco, & test lines to 10000#. Open toe sleeve & pump in @ 10 BPM & 5600#. RD CTU & Move to 102H. SI, Secure well

DAILY ACTIVITY:

RIH with clean out Assm. Pumping 2.5 BPM Tagged Orio @ 15,921' CTM.
Made 25' P/U and RIH. Tagged solid at same depth, 15,921' CTM.
Pumped 10-20-10 sweep and POOH with coil.
Shut in HYD master. R/U Fesco. Tested lines to 10,000#
Pressured up on 5" tieback and 4 1/2" Production casing to 10,000#. Orio opened and broke back to 5000# at 3 BPM. Pumped 50 BBL's 2% Kcl, 20 BBL's 15% HCL and displaced with 300 BBL's 2% Kcl at 10 BPM @ 7000#. Pressure broke to 5600# when acid hit
5 Min ISIP 3900#, 10 Min ISIP 3500, 15 Min ISIP 3400#
RD CTU and move over to 102H to TCP
SI secure well

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GROSS AFE : \$8,036 **RDMO DATE :** **PROD Start DATE :** **FINALIZED DATE :**

DR DATE 09/04/2018

G-DC : \$3,025 **G-CC :** \$3,016,724 **DR TD :** 15,917 **PBTD :** 0

ONE LINER: Set up meeting w/ Liberty field rep.

DAILY ACTIVITY: Set up meeting w/ Liberty field rep.

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GROSS AFE : \$8,036 **RDMO DATE :** **PROD Start DATE :** **FINALIZED DATE :**

DR DATE 09/05/2018

G-DC : \$3,289 **G-CC :** \$3,023,877 **DR TD :** 15,917 **PBTD :** 0

ONE LINER: Set up SRS to deliver & set acid tanks, containment & 10 Frac tanks. Set up Fesco to fin Frac trees & zipper manifold & test.

DAILY ACTIVITY:

Set up SRS to deliver & set 3 Acid Tanks and containment & 10 Frac tanks.

Set up FESCO to finish Frac trees & zipper manifold & test.

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AFE NUMBER 180202 **START DATE :** 3/30/2018 **MIRU DATE :** 6/5/2018 **SPUD DATE :** 6/9/2018

GROSS AFE : \$8,036 **RDMO DATE :** **PROD Start DATE :** **FINALIZED DATE :**

DR DATE 09/06/2018

G-DC : \$3,864 **G-CC :** \$3,023,877 **DR TD :** 15,917 **PBTD :** 0

ONE LINER: NU Goat heads. Set zipper manifold, RU flowback lines. Tested all to 14500#. Set containment & acid tanks. Set 4 Frac tanks, will finish frac tanks tomorrow. Started laying water lines.

DAILY ACTIVITY:

NU Goat heads. Set Zipper manifold, RU flowback lines to open tops. tested all to 14,500#.

Set containment and Acid tanks. Set 4 frac tanks & will finish frac tanks tomorrow.

Started laying water lines.

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AFE NUMBER 180202 **START DATE :** 3/30/2018 **MIRU DATE :** 6/5/2018 **SPUD DATE :** 6/9/2018

GROSS AFE : \$8,036 **RDMO DATE :** **PROD Start DATE :** **FINALIZED DATE :**

DR DATE 09/07/2018

G-DC : \$2,602 **G-CC :** \$3,026,479 **DR TD :** 15,917 **PBTD :** 0

ONE LINER: Fin setting Frac tanks. RU water transfer.

DAILY ACTIVITY:

Finished setting Frac Tanks
RU water transfer.

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AFE NUMBER 180202 START DATE : 3/30/2018 MIRU DATE : 6/5/2018 SPUD DATE : 6/9/2018

GROSS AFE : \$8,036 RDMO DATE : PROD Start DATE : FINALIZED DATE :

DR DATE 09/08/2018

G-DC : \$2,602 G-CC : \$3,064,526 DR TD : 15,917 PBTD : 0

ONE LINER: Cont to RU water transfer. Liberty set pads for sand boxes.

DAILY ACTIVITY: Continue to RU water transfer.
Liberty set pads for sand boxes.

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GROSS AFE : \$8,036 **RDMO DATE :** **PROD Start DATE :** **FINALIZED DATE :**

DR DATE 09/09/2018

G-DC : \$2,602 **G-CC :** \$3,064,526 **DR TD :** 15,917 **PBTD :** 0

ONE LINER: RU water transfer, test water lines. Filled all frac tanks to 6'. Liberty bringing sand boxes & moving in Frac equip.

DAILY ACTIVITY:

RU water transfer, test water lines, 90 BPM. Put 120 BBLs water in acid tanks as per Liberty request. Filled all Frac tanks to 6'. Topped off pump down tanks.
Liberty bringing sand boxes & Moving in Frac equipment.

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GROSS AFE : \$8,036 **RDMO DATE :** **PROD Start DATE :** **FINALIZED DATE :**

DR DATE 09/10/2018

G-DC : \$32,843 **G-CC :** \$3,064,526 **DR TD :** 15,917 **PBTD :** 0

ONE LINER: MIRU Liberty Frac fleet. MIRU eline.

DAILY ACTIVITY: MIRU Liberty Frac fleet. MIRU FESCO Eline. And Frac support Equipment

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GROSS AFE : \$8,036 RDMO DATE : PROD Start DATE : FINALIZED DATE :

DR DATE 09/12/2018

G-DC : \$287,076 G-CC : \$3,379,019 DR TD : 15,917 PBTD : 0

ONE LINER: Fin RU frac fleet. PJSM. Test lines. Frac stg #1. Perf stg #2. Frac stg #2. Perf stg #3.

DAILY ACTIVITY:

Finish rigging up Liberty frac fleet
Held Prefrac safety meeting with all personnel.
Pressure test all lines
Frac stage #1
Plug Btm perf Top perf Max press Avg press Max Rate
N/A 15,917' 15,766' 9'719# 9,301# 82.2 BPM
Avg Rate Clean bbls Slurry bbls 100 mesh 40/70 white
70.3 BPM 13,659 14,150 125,970# 320,780#
Gradient ISIP
.836 4,296#
RIH perf stage #2. Set plug @ 15,751, Perf 15,736',15,721', 15,706',
15,691', 15,676', 15,661',15,645',15,630', 15,615', 15,600', 15,585',
Pump down volume 260 BBL's . Wait above tool trap.
Pump repair. Replace bust disc.
Frac stage #2
Plug Btm perf Top perf Max press Avg press Max Rate
15,751' 15,737' 15,585' 9682# 9406# 76.4
Avg Rate Clean bbls Slurry bbls 100 mesh 40/70 white
72.9 1,3737 14,214 127,460# 325,510#
Gradient ISIP
.851 3925#
RIH perf stage #3. Set plug @ 15,570, Perf 15,555',15,540', 15,525',
15,510', 15,495', 15,480',15,464',15,449', 15,434', 15,419', 15,404',
Pump down volume 248 BBL's . Wait above tool trap.

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GROSS AFE : \$8,036 **RDMO DATE :** **PROD Start DATE :** **FINALIZED DATE :**

DR DATE 09/13/2018

G-DC : \$158,705 **G-CC :** \$3,810,089 **DR TD :** 15,917 **PBTD :** 0

ONE LINER: Frac stg #3. Perf stg #4. Lost comm @ btm. POOH. Prob w/ comp. RD Eline truck. RU new Eline truck. Perf stg #4. POOH & had plug, Setting tool miss fired. WO plug & perf on 102H. TIH w/plug & stopped in mid of perfs. TOH w/ plug. Standby frac ops.

DAILY ACTIVITY:

Frac stage #3
 Plug Btm perf Top perf Max press Avg press Max Rate
 15,570' 15,555' 15,404' 9,889# 9,568# 78.7
 Avg Rate Clean bbls Slurry bbls 100 mesh 40/70 white
 74.2 13,627 14,159 126,470# 323,890#
 Gradient ISIP
 0.846 4,379#
 RIH to Perf stage #4 . Lost comm. With guns on bottom. POOH
 change out computers and rehead.
 RIH to Perf stage #4 . Continue to have problems. Lost comm.
 POOH. RD Eline truck. Waiting on a replacement for Eline truck.
 RU Eline truck replacement.
 RIH perf stage #. Set plug @ 15,389, Perf 15,374',15,359', 15,344',
 15,329', 15,314', 15,299',15,283',15,268', 15,253', 15,238', 15,233',
 Discovered setting tool had missed fired. Had good indications that plug
 had set & the adressable system indicated the igniter had fired.
 Checked setting tool & firing system. Suspect didn't get proper current
 to setting tool firing head. Waiting on plug & perf run on 102H.
 RIH w/ setting tool & Frac plug. Set down @ 15,274'. Pick up w/
 no problems. Attempted to pump down again & set down @ 15,269'
 We are setting down in the top 4 sets of perforations.
 Total pump down 842 BBLs.
 POOH. Plug had scraclthes and a gouge in the bottom of the Frac plug.
 Standby by Frac Ops

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GROSS AFE : \$8,036 **RDMO DATE :** **PROD Start DATE :** **FINALIZED DATE :**

DR DATE 09/14/2018

G-DC : \$272,365 **G-CC :** \$3,810,089 **DR TD :** 15,917 **PBTD :** 0

ONE LINER: Perform inj test. Pumped 699 bbls. Frac stg #4. Perf stg #5. Frac stg #5 & screened out. Flowed back 800 bbls. No ball recovered. Standby Frac ops.

DAILY ACTIVITY:

Perform Injection test. Pumed 699 BBL's, Total
 Maximum Pressure 9455#, Maximum rate 66.4 BPM
 Standby Eline ops
 Frac stage #4

Plug	Btm perf	Top perf	Max press	Avg press	Max Rate
N/A	15,374	15,223'	10,287#	9,551#	69.9

Avg Rate	Clean bbls	Slurry bbls	100 mesh	40/70 white
64.3	14,277	14,717	126,030	324,620

 Gradient ISIP
 0.849 4,424#
 RIH perf stage #5. Set plug @ 15,208', Perf 15,193', 15,178', 15,163',
 15,148', 15,133', 15,118', 15,102', 15,087', 15,072', 15,057', 15,042'
 Pump down volume 222 BBL's.
 Frac stage #5: SD Frac. Repair high pressure leak. RU Fesco pumps
 to flush well. 288 BBLs, Max rate 15.5 BPM @ 7700#
 Resume Frac stage #5 screen out

Plug	Btm perf	Top perf	Max press	Avg press	Max Rate
15,208'	15,194'	15,042'	10,263#	9,656#	73.5 BPM

Avg Rate	Clean bbls	Slurry bbls	100 mesh	40/70 white
64.8 BPM	13,199	13,662	125,890#	323,700#

 Gradient ISIP
 0.957 4,013#
 Flowed back 800 BBLs @ 6.5 BPM. No ball recovered
 Stand by Frac Ops

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GROSS AFE : \$8,036 RDMO DATE : PROD Start DATE : FINALIZED DATE :

DR DATE 09/15/2018

G-DC : \$133,522 G-CC : \$4,549,342 DR TD : 15,917 PBTD : 0

ONE LINER: Standby frac ops. Grease frac tree & zipper. Rep crown valve. Perform Inj test. Standby eline ops. Perf stg #6. Frac stg #6. Perf stg #7.

DAILY ACTIVITY:

Standby frac Ops
Grease Frac trees and Zipper. Change out flow tubes.
Replace crown valve on Frac tree. Retest to 14,000#
Performed INJ test. Pumped 662 BBL's total. 19 BPM @ 6276#.
Pumped 30 BBL High Visc Pill. Followed by full displacement.
Standby Eline Ops
RIH perf stage #6. Set plug @ 15,027' Perf 15,012', 14,997', 14,982',
14,967', 14,952', 14,937', 14,921', 14,906', 14,891', 14,876', 14,861'
Pump down volume 224 BBL's .
Frac stage #6
Plug Btm perf Top perf Max press Avg press Max Rate
15,027' 15,013' 14,861' 9,971# 9,587# 69.2 BPM
Avg Rate Clean bbls Slurry bbls 100 mesh 40/70 white
62.4 BPM 12503 12,918 126,000# 324,470#
Gradient ISIP
0.865 4209#
Replace Crown valve 102H. Frac pump maintenance
RIH perf stage #7. Set plug @ 14,846' Perf 14,831', 14,816', 14,801',
14,786', 14,771', 14,756', 14,740', 14,725', 14,710', 14,695', 14,680'
Pump down volume 224 BBL's .

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GROSS AFE : \$8,036 RDMO DATE : PROD Start DATE : FINALIZED DATE :

DR DATE 09/16/2018

G-DC : \$245,832 G-CC : \$4,549,342 DR TD : 15,917 PBTD : 0

ONE LINER: Frac stg #7. Perf stg #8. Frac stg #8. Perf stg #9. Frac stg #9 @ report time.

DAILY ACTIVITY:

Frac stage #7
 Plug Btm perf Top perf Max press Avg press Max Rate
 14,868' 14,831' 14,680' 9,971# 9,587# 69.2
 Avg Rate Clean bbls Slurry bbls 100 mesh 40/70 white
 62.4 12,503 12,918 126,000# 324,470#
 Gradient ISIP
 0.865 4,579#
 RIH perf stage #8. Set plug @ 14,665' Perf 14,650', 14,645', 14,620'
 14,605', 14,590', 14,575', 14,559', 14,544', 14,529', 14,514', 14,499'
 Pump down volume 215 BBL's . Wait in Lubricator
 Frac stage #8
 Plug Btm perf Top perf Max press Avg press Max Rate
 14,665' 14,650' 14,499 10,001# 9,672# 67.0
 Avg Rate Clean bbls Slurry bbls 100 mesh 40/70 white
 59.3 14,661 15,100 126,470# 322,740#
 Gradient ISIP
 0.844 3,980#
 Wait on Eline
 RIH perf stage #9. Set plug @ 14,484' Perf 14,469', 14,454', 14,439'
 14,424', 14,409', 14,394', 14,378', 14,363', 14,348', 14,333', 14,318'
 Pump down volume 176 BBL's . Wait in Lubricator
 Frac stage #9

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GROSS AFE : \$8,036 RDMO DATE : PROD Start DATE : FINALIZED DATE :

DR DATE 09/17/2018

G-DC : \$359,899 G-CC : \$4,549,342 DR TD : 15,917 PBTD : 0

ONE LINER: Frac stg #9. Perf stg #10. Frac stg #10. Perf stg #11. Frac stg #11. Perf stg #12 @ report time.

DAILY ACTIVITY:

Frac stage #9
 Plug Btm perf Top perf Max press Avg press Max Rate
 14,484' 14,469' 14,318' 10,031# 9,687# 70.1
 Avg Rate Clean bbls Slurry bbls 100 mesh 40/70 white
 53.9 14,665 15,158 127,530# 323,310#
 Gradient ISIP
 .950 5,466#
 RIH perf stage #10. Set plug @ 14,303' - Perf 14,288', 14,273', 14,258',
 14,243', 14,228', 14,213', 14,197', 14,182', 14,167', 14,152', 14,137'
 Pump down volume 196 BBL's . Stand by Frac Ops, above tool trap
 Frac stage #10
 Plug Btm perf Top perf Max press Avg press Max Rate
 14,303' 14,289' 14,137' 10,017# 9,720# 69.8
 Avg Rate Clean bbls Slurry bbls 100 mesh 40/70 white
 62.6 13,644 14,059 127,520# 322,980#
 Gradient ISIP
 0.852 4,126#
 RIH perf stage #11. Set plug @ 14,122' - Perf 14,107', 14,092', 14,077',
 14,062', 14,047', 14,032', 14,016', 14,001', 13,986', 13,971', 13,957'
 Pump down volume 200 BBL's . Stand by Frac Ops, above tool trap
 Liberty change out pump, pump truck maintenance
 Frac stage #11
 Plug Btm perf Top perf Max press Avg press Max Rate
 14,122' 14,107' 13,957' 9,921# 9,664# 71.2
 Avg Rate Clean bbls Slurry bbls 100 mesh 40/70 white
 67.1 13,461 13,935 449,100# 0
 Gradient ISIP
 0.858 3,999
 RIH perf stage #12 @ report time

ABRAXAS PETROLEUM CORPORATION

Daily Drilling Report

BGT # 20180021 AREA WOLFCAMP WELL MESQUITE U #103H (3rd BS)

PROPOSAL DRILL & COMPLETE A HORIZONTAL 3RD BONE SPRING WITH A 5000+ LATERAL.

AFE NUMBER 180202 START DATE : 3/30/2018 MIRU DATE : 6/5/2018 SPUD DATE : 6/9/2018

GROSS AFE : \$8,036 RDMO DATE : PROD Start DATE : FINALIZED DATE :

DR DATE 09/18/2018

G-DC : \$247,170 G-CC : \$4,796,512 DR TD : 15,917 PBTD : 0

ONE LINER: Perf stg #12. Frac stg #12. Perf stg #13. Frac stg #13. Perf stg #14. Frac stg #14 @ report time.

DAILY ACTIVITY:

RIH perf stage #12. Set plug @ 13,941' - Perf 13,926', 13,911', 13,896', 13,881', 13,866', 13,851', 13,835', 13,820', 13,805', 13,790', 13,775'
 Pump down volume 160 BBL's . Stand by Frac Ops,above tool trap
 Frac stage #12

Plug	Btm perf	Top perf	Max press	Avg press	Max Rate
13,941'	13,926'	13,775'	9,996#	9,636#	74.6

Avg Rate	Clean bbls	Slurry bbls	100 mesh	40/70 white
68.5	13,069#	13,560#	127,560	322,040#

Gradient ISIP
 0.849 4393#

RIH perf stage #13. Set plug @ 13,760- Perf 13,745', 13,730', 13,715', 13,700', 13,685', 13,670', 13,654', 13,639', 13,624', 13,609', 13,594'
 Pump down volume 139 BBL's . Stand by Frac Ops,above tool trap
 Frac Maintenance
 Frac stage #13

Plug	Btm perf	Top perf	Max press	Avg press	Max Rate
13,760'	13,746'	13,594'	9,985#	9,641#	75.9

Avg Rate	Clean bbls	Slurry bbls	100 mesh	40/70 white
6936	12,795	13,281	125,870#	323,610#

Gradient ISIP
 0.875 4,279#

RIH perf stage #14. Set plug @ 13,579' - Perf 13,564', 13,549', 13,534', 13,519', 13,504', 13,489', 13,473', 13,458', 13,443', 13,428', 13,414'
 Pump down volume 142 BBL's . Stand by Frac Ops,above tool trap
 Frac stage #14

ABRAXAS PETROLEUM CORPORATION

Daily Drilling Report

BGT # 20180021 AREA WOLFCAMP WELL MESQUITE U #103H (3rd BS)

PROPOSAL DRILL & COMPLETE A HORIZONTAL 3RD BONE SPRING WITH A 5000+ LATERAL.

AFE NUMBER 180202 START DATE : 3/30/2018 MIRU DATE : 6/5/2018 SPUD DATE : 6/9/2018

GROSS AFE : \$8,036 RDMO DATE : PROD Start DATE : FINALIZED DATE :

DR DATE 09/19/2018

G-DC : \$237,919 G-CC : \$5,287,002 DR TD : 15,917 PBTD : 0

ONE LINER: Frac stg #14. Perf stg #15. Frac stg #15. Perf stg #16. Frac stg #16 @ report time.

DAILY ACTIVITY:

Frac stage #14
 Plug Btm perf Top perf Max press Avg press Max Rate
 13,579' 13,564' 13,414' 9,995# 9,433# 73.2#
 Avg Rate Clean bbls Slurry bbls 100 mesh 40/70 white
 64.9# 13,436 13,959 126,745# 322,910#
 Gradient ISIP
 0.875 4,653#
 RIH Perf stage #15. Set plug @ 13,398'. Perf 13,383', 13,368, 13,353'
 13,338', 13,323', 13,307', 13,292', 13,277', 13,262', 13,247', 13,232'.
 Pump down volume - 149 bbls. Stand by for frac ops., above tool trap.
 Frac stage #15
 Plug Btm perf Top perf Max press Avg press Max Rate
 13,398' 13,383' 13,232' 9,911# 9,644# 74.0#
 Avg Rate Clean bbls Slurry bbls 100 mesh 40/70 white
 68.9# 12,924 13,392 126,940# 323,840#
 Gradient ISIP
 0.874 4,344#
 RIH Perf stage #16. Set plug @ 13,217'. Perf 13,202', 13,187, 13,172'
 13,157', 13,142', 13,126', 13,111', 13,096', 13,081', 13,066', 13,051'.
 Pump down volume - 131 bbls. Stand by for frac ops., above tool trap.
 Frac Maintenance/Grease Frac trees
 Frac stage #16

ABRAXAS PETROLEUM CORPORATION

Daily Drilling Report

BGT # 20180021 AREA WOLFCAMP WELL MESQUITE U #103H (3rd BS)

PROPOSAL DRILL & COMPLETE A HORIZONTAL 3RD BONE SPRING WITH A 5000+ LATERAL.

AFE NUMBER 180202 START DATE : 3/30/2018 MIRU DATE : 6/5/2018 SPUD DATE : 6/9/2018

GROSS AFE : \$8,036 RDMO DATE : PROD Start DATE : FINALIZED DATE :

DR DATE 09/20/2018

G-DC : \$252,571 G-CC : \$5,287,002 DR TD : 15,917 PBTD : 0

ONE LINER: Frac stg #16. Perf stg #17. Frac stg #17. Perf stg #18. Plug misfired. POOH. Rehead Eline, grease frac tree. Cont to perf stg #18. Frac stg #18 @ report time.

DAILY ACTIVITY:

Frac stage #16
 Plug Btm perf Top perf Max press Avg press Max Rate
 13,218' 13,203' 13,051' 9,911# 9,648# 71.3
 Avg Rate Clean bbls Slurry bbls 100 mesh 40/70 white
 65.8 13,802 14,338 127,900# 323,120#
 Gradient ISIP
 0.857 4,461#
 RIH perf stage #17. Set plug @ 13,036'. Perf 13,021', 13,006', 12,991',
 12,976', 12,961', 12,945', 12,930', 12,915', 12,900', 12,885', 12,870'.
 Pump down volume 298 bbls. Standby Frac Ops, above tool trap.
 Frac stage #17
 Plug Btm perf Top perf Max press Avg press Max Rate
 13,037' 13,022' 12,870' 9,916# 9,585# 68.1
 Avg Rate Clean bbls Slurry bbls 100 mesh 40/70 white
 63.6 13,332 13,780 126,280# 323,140#
 Gradient ISIP
 0.946 5,398#
 RIH perf stage #18. Plug misfired. POOH. BD tools & found igniter
 detonated, power charge failed. Rehead Eline, Greased Frac Trees.
 RIH perf stage #18. Set plug @ 12,855'. Perf 12,840', 12,825', 12,810',
 12,795', 12,780', 12,764', 12,749', 12,734', 12,719', 12,704', 12,689'.
 Pump down volume 459 bbls.
 Frac stage #18

ABRAXAS PETROLEUM CORPORATION

Daily Drilling Report

BGT # 20180021 AREA WOLFCAMP WELL MESQUITE U #103H (3rd BS)

PROPOSAL DRILL & COMPLETE A HORIZONTAL 3RD BONE SPRING WITH A 5000+ LATERAL.

AFE NUMBER 180202 START DATE : 3/30/2018 MIRU DATE : 6/5/2018 SPUD DATE : 6/9/2018

GROSS AFE : \$8,036 RDMO DATE : PROD Start DATE : FINALIZED DATE :

DR DATE 09/21/2018

G-DC : \$389,019 G-CC : \$5,676,021 DR TD : 15,917 PBTD : 0

ONE LINER: Frac stg #18. Perf stg #19. Frac stg #19. Perf stg #20. Frac stg #20. Perf stg #21 @ report time

DAILY ACTIVITY:

Frac stage #18
 Plug Btm perf Top perf Max press Avg press Max Rate
 12,856' 12,840' 12,689' 9,906# 9,015# 69.9
 Avg Rate Clean bbls Slurry bbls 100 mesh 40/70 white
 57.5 16,611 16,135 126,300# 289,710#
 Gradient ISIP
 0.992 5,866#
 RIH perf stage #19. Set plug @ 12,674'. Perf 12,659', 12,644', 12,629',
 12,614', 12,599', 12,583', 12,568', 12,553', 12,538', 12,523', 12,508'.
 Pump down volume-130 bbls. Standby frac ops, above tool trap.
 Frac stage #19
 Plug Btm perf Top perf Max press Avg press Max Rate
 12,674' 12,660' 12,508' 9,903# 9,327# 71.7
 Avg Rate Clean bbls Slurry bbls 100 mesh 40/70 white
 55.6 13,196 13,617 126,760# 293,940#
 Gradient ISIP
 0.856 4,270#
 Grease frac stack and zipper valves.
 RIH perf stage #20. Set plug @ 12,493'. Perf 12,478', 12,463', 12,448',
 12,433', 12,418', 12,402', 12,387', 12,372', 12,357', 12,342', 12,327'.
 Pump down volume-159 bbls. Stand by FRAC Ops. Lightning
 Frac stage #20
 Plug Btm perf Top perf Max press Avg press Max Rate
 12,493' 12,479' 12,327' 9,846# 9,567# 75.0
 Avg Rate Clean bbls Slurry bbls 100 mesh 40/70 white
 69.8 13,955 14,469 126,675# 325,380#
 Gradient ISIP
 0.874 4,097#
 RIH perf stage #21 @ report time

ABRAXAS PETROLEUM CORPORATION

Daily Drilling Report

BGT # 20180021 AREA WOLFCAMP WELL MESQUITE U #103H (3rd BS)

PROPOSAL DRILL & COMPLETE A HORIZONTAL 3RD BONE SPRING WITH A 5000+ LATERAL.

AFE NUMBER 180202 START DATE : 3/30/2018 MIRU DATE : 6/5/2018 SPUD DATE : 6/9/2018

GROSS AFE : \$8,036 RDMO DATE : PROD Start DATE : FINALIZED DATE :

DR DATE 09/22/2018

G-DC : \$269,156 G-CC : \$6,609,168 DR TD : 15,917 PBTD : 0

ONE LINER: Perf stg #21. Frac stg #21. Perf stg #22. Frac stg #22. Perf stg #23. Frac stg #23 @ report time.

DAILY ACTIVITY:

RIH perf stage #21. Set plug @ 12,312'. Perf 12,297', 12,282', 12,267', 12,252', 12,237', 12,221', 12,206', 12,191', 12,176', 12,161', 12,146'.
 Pump down volume-105 bbls. Stand by frac ops, above tool trap.
 Frac stage #21

Plug	Btm perf	Top perf	Max press	Avg press	Max Rate
12,312'	12,298'	12,146'	9,955#	9,401#	75.8
Avg Rate	Clean bbls	Slurry bbls	100 mesh	40/70 white	
70.6	13,373	13,881	133,360#	319,950#	
Gradient	ISIP				
0.868	4,546#				

 Grease frac stack and zipper valves
 RIH perf stage #22. Set plug @ 12,131'. Perf 12,116', 12,101', 12,086', 12,071', 12,056', 12,040', 12,025', 12,010', 11,995', 11,980', 11,965'.
 Pump down volume-86 bbls. Stand by frac ops, above tool trap.
 Frac stage #22

Plug	Btm perf	Top perf	Max press	Avg press	Max Rate
12,131'	12,117'	11,965'	10,172#	9,579#	79.1
Avg Rate	Clean bbls	Slurry bbls	100 mesh	40/70 white	
73.3	13,188	13,670	125,340#	323,690#	
Gradient	ISIP				
0.843	4,284#				

 RIH perf stage #23. Set plug @ 11,950'. Perf 11,935', 11,920', 11,905', 11,890', 11,875', 11,859', 11,844', 11,829', 11,814', 11,799', 11,784'.
 Pump down volume-83 bbls. Stand by frac ops, above tool trap.
 Frac stage #23

ABRAXAS PETROLEUM CORPORATION

Daily Drilling Report

BGT # 20180021 AREA WOLFCAMP WELL MESQUITE U #103H (3rd BS)

PROPOSAL DRILL & COMPLETE A HORIZONTAL 3RD BONE SPRING WITH A 5000+ LATERAL.

AFE NUMBER 180202 START DATE : 3/30/2018 MIRU DATE : 6/5/2018 SPUD DATE : 6/9/2018

GROSS AFE : \$8,036 RDMO DATE : PROD Start DATE : FINALIZED DATE :

DR DATE 09/23/2018

G-DC : \$359,322 G-CC : \$6,609,168 DR TD : 15,917 PBTD : 0

ONE LINER: Frac stg #23. Perf stg #24. Frac stg #24. Perf stg #25. Frac stg #25. Perf stg #26 @ report time.

DAILY ACTIVITY:

Frac stage #23
 Plug Btm perf Top perf Max press Avg press Max Rate
 11,950' 11,936' 11,784' 9,953# 9,539# 77.8
 Avg Rate Clean bbls Slurry bbls 100 mesh 40/70 white
 74.3 13,835 14,330 125,160# 322,880#
 Gradient ISIP
 0.855 4,417#
 Grease frac stack and zipper valves. Replace flow tubes in grease head.
 RIH perf stage #24. Set plug @ 11,769'. Perf 11,754', 11,739', 11,724',
 11,709', 11,694', 11,678', 11,663', 11,648', 11,633', 11,618', 11,603'.
 Pump down volume-70 bbls. Stand by frac ops, above tool trap.
 Frac stage #24
 Plug Btm perf Top perf Max press Avg press Max Rate
 11,769' 11,755' 11,603' 9,888# 9,473# 78.3
 Avg Rate Clean bbls Slurry bbls 100 mesh 40/70 white
 71.3 13,045 13,510 125,020# 322,720#
 Gradient ISIP
 0.872 4,167#
 RIH perf stage #25. Set plug @ 11,588'. Perf 11,573', 11,558', 11,543',
 11,528', 11,513', 11,497', 11,482', 11,467', 11,452', 11,437', 11,422'.
 Pump down volume-67 bbls. Stand by frac ops, above tool trap.
 Frac stage #25
 Plug Btm perf Top perf Max press Avg press Max Rate
 11,588' 11,574' 11,422' 9,869# 9,540# 78.8
 Avg Rate Clean bbls Slurry bbls 100 mesh 40/70 white
 72.1 13,172 13,696 127,060# 323,120#
 Gradient ISIP
 0.857 4,181#
 RIH perf stage #26 @ report time

ABRAXAS PETROLEUM CORPORATION

Daily Drilling Report

BGT # 20180021 AREA WOLFCAMP WELL MESQUITE U #103H (3rd BS)

PROPOSAL DRILL & COMPLETE A HORIZONTAL 3RD BONE SPRING WITH A 5000+ LATERAL.

AFE NUMBER 180202 START DATE : 3/30/2018 MIRU DATE : 6/5/2018 SPUD DATE : 6/9/2018

GROSS AFE : \$8,036 RDMO DATE : PROD Start DATE : FINALIZED DATE :

DR DATE 09/24/2018

G-DC : \$304,669 G-CC : \$6,609,168 DR TD : 15,917 PBTD : 0

ONE LINER: Perf stg #26. Frac stg #26. Perf stg #27. Frac stg #27. Stg 27 of 27 complete. RDMO frac fleet & support equip.

DAILY ACTIVITY:

RIH perf stage #26. Set plug @ 11,407'. Perf 11,392', 11,377', 11,362', 11,347', 11,332', 11,316', 11,301', 11,286', 11,271', 11,256', 11,241'.
 Pump down volume-50 bbls. Stand by frac ops, above tool trap.
 Frac stage #26

Plug	Btm perf	Top perf	Max press	Avg press	Max Rate
11,407'	11,393'	11,241'	9,893#	9,566#	78.6
Avg Rate	Clean bbls	Slurry bbls	100 mesh	40/70 white	
68.9	13,083	13,624	125,540#	323,640#	
Gradient	ISIP				
0.904	4,932#				

RIH perf stage #27. Set plug @ 11,226'. Perf 11,211', 11,196', 11,181', 11,166', 11,151', 11,135', 11,120', 11,105', 11,090', 11,075', 11,060'.
 Pump down volume-63 bbls. Lay down guns and lub. Rd E-line.
 Frac stage #27

Plug	Btm perf	Top perf	Max press	Avg press	Max Rate
11,226'	11,212'	11,060'	9,960#	9,435#	77.4
Avg Rate	Clean bbls	Slurry bbls	100 mesh	40/70 white	
69.0	13,255	13,691	142,390#	311,980#	
Gradient	ISIP				
0.855	4,040#				

Stage 27 of 27 complete. RDMO Liberty Frac fleet & Frac support equipment

BHGE water Management cost added to 3101-07 daily total \$57,216.00

ABRAXAS PETROLEUM CORPORATION

Daily Drilling Report

BGT # 20180021 **AREA** WOLFCAMP **WELL** MESQUITE U #103H (3rd BS)

PROPOSAL DRILL & COMPLETE A HORIZONTAL 3RD BONE SPRING WITH A 5000+ LATERAL.

AFE NUMBER 180202 **START DATE :** 3/30/2018 **MIRU DATE :** 6/5/2018 **SPUD DATE :** 6/9/2018

GROSS AFE : \$8,036 **RDMO DATE :** **PROD Start DATE :** **FINALIZED DATE :**

DR DATE 09/25/2018

G-DC : \$10,393 **G-CC :** \$6,619,561 **DR TD :** 15,917 **PBTD :** 0

ONE LINER: Cont to RD frac equip. MIRU CTU, & Fesco hyd on Mesquite 102H. Standby CTU ops Mesquite 102H

DAILY ACTIVITY:

Continue RD Liberty frac equipment & frac support equipment.
Miru C&J 2 3/8" CTU, Fesco hyd. Chokes, Tornado mixing plant.
on Mesquite 102H
Stand By CTU Ops Mesquite 102H.

ABRAXAS PETROLEUM CORPORATION

Daily Drilling Report

BGT # 20180021 AREA WOLFCAMP WELL MESQUITE U #103H (3rd BS)

PROPOSAL DRILL & COMPLETE A HORIZONTAL 3RD BONE SPRING WITH A 5000+ LATERAL.

AFE NUMBER 180202 START DATE : 3/30/2018 MIRU DATE : 6/5/2018 SPUD DATE : 6/9/2018

GROSS AFE : \$8,036 RDMO DATE : PROD Start DATE : FINALIZED DATE :

DR DATE 09/26/2018

G-DC : \$92,282 G-CC : \$6,711,843 DR TD : 15,917 PBTD : 0

ONE LINER: SI wait on CTU. Rig over CTU from 102H. MU BHA. PJSM. RIH circ @ 1/2 bpm. POOH to repair riser leak. RIH tag plug 1 @ 11231' & drill plugs 1-5 @ 11957'.

DAILY ACTIVITY:

Shut in wait on CTU
RIG over CTU from 102H. Weld on New coil connector. Pull test to 35K
MU BHA .Function test motor. OK. NU riser. Hold safety meeting.
Test riser and flowback iron to 8500#. OK. Open well. WP-2950#.
RIH circulating @ 1/2 bpm. Riser started Leaking @ top Bowen conn.
POOH to repair riser leak.
Open well RIH & Drill plugs 1-5
RIH & Tagged plug #1 @ 11,231' CTM. Drilled out in 3.0 min.pumped 5 BBL sweep
RIH & Tagged plug #2 @ 11,410' CTM. Drilled out in 8.0 min.pumped 5 BBL sweep
RIH & Tagged plug #3 @ 11,594' CTM. Drilled out in 5.0 min.pumped 5 BBL sweep
RIH & Tagged plug #4 @ 11,776' CTM. Drilled out in 5.0 min.pumped 5 BBL sweep
RIH & Tagged plug #5 @ 11,957' CTM. Drilled out in 3.0 min.pumped 5 BBL sweep

ABRAXAS PETROLEUM CORPORATION

Daily Drilling Report

BGT # 20180021 AREA WOLFCAMP WELL MESQUITE U #103H (3rd BS)

PROPOSAL DRILL & COMPLETE A HORIZONTAL 3RD BONE SPRING WITH A 5000+ LATERAL.

AFE NUMBER 180202 START DATE : 3/30/2018 MIRU DATE : 6/5/2018 SPUD DATE : 6/9/2018

GROSS AFE : \$8,036 RDMO DATE : PROD Start DATE : FINALIZED DATE :

DR DATE 09/27/2018

G-DC : \$112,531 G-CC : \$6,824,374 DR TD : 15,917 PBTD : 0

ONE LINER: RIH & tag plug #6 @ 12133'. Drill out plug #6 thru #26 @ 15763'. POOH. SI well & Rig off CTU. Tested lines. Flush wellbore w/ @% KCl water. Ready for Eline.

DAILY ACTIVITY:

RIH & Tagged plug #6 @ 12,133' CTM. Drilled out in 3.0 min.pumped 5 BBL sweep
 RIH & Tagged plug #7@ 12,323' CTM. Drilled out in 6.0 min.pumped 5 BBL sweep
 RIH & Tagged plug #8 @ 12,501' CTM. Drilled out in 5.0 min.pumped 5 BBL sweep
 RIH & Tagged plug #9 @ 12,687' CTM. Drilled out in 2.0 min.pumped 5 BBL sweep
 RIH & Tagged plug #10 @ 12,872' CTM. Drilled out in 4.0 min.pumped 5 BBL sweep
 ST to 11,800' sending sweeps
 RIH & Tagged plug #11@ 13,046' CTM. Drilled out in 7.0 min.pumped 5 BBL sweep
 RIH & Tagged plug #12@ 13,222' CTM. Drilled out in 5.0 min.pumped 5 BBL sweep
 RIH & Tagged plug #13@ 13,469' CTM. Drilled out in 6.0 min.pumped 5 BBL sweep
 RIH & Tagged plug #14@ 13,592' CTM. Drilled out in 5.0 min.pumped 5 BBL sweep
 RIH & Tagged plug #15@ NO Show' CTM. Drilled out in 0.0 min.pumped 5 BBL sweep
 RIH & Tagged plug #16@ 13,956' CTM. Drilled out in 6.0 min.pumped 20 BBL sweep
 RIH & Tagged plug #17, @ 14,131' CTM. Drilled out in 3.0 min.pumped 5 BBL sweep
 RIH & Tagged plug #18@ 14,317' CTM. Drilled out in 8.0 min.pumped 5 BBL sweep
 RIH & Tagged plug #19 @ 14,501' CTM. Drilled out in 9.0 min.pumped 5 BBL sweep
 RIH & Tagged plug #20 @ 14,680' CTM. Drilled out in 6.0 min.pumped 20 BBL sweep
 ST to 11,500' sending sweeps
 RIH & Tagged plug #21 @ 14,860' CTM. Drilled out in 6.0 min.pumped 5 BBL sweep
 RIH & Tagged plug #22 @ 15,039' CTM. Drilled out in 5.0 min.pumped 10 BBL sweep
 RIH & Tagged plug #23 @ 15,192' CTM. Drilled out in 5.0 min.pumped 5 BBL sweep
 RIH & Tagged plug #24 @ no plug set' CTM. Drilled out in 0.0 min.pumped 0 BBL sweep
 RIH & Tagged plug #25 @ 15,566' CTM. Drilled out in 6.0 min.pumped 10 BBL sweep
 RIH & Tagged plug #26 @ 15,763' CTM. Drilled out in 12.0 min.pumped 5 BBL sweep
 RIH tagged Orio @ 15,927' CTM. P/U 15'. Pumped 20-10-20 BBl sweeps at 120 Visc.
 Let sweeps exit coil then POOH at 30 FPM. No Drag. Send 20 BBL sweep mid lateral.
 send 20-10- 20 BBL sweep at heel. Pulled up through liner top and Run back in hole to
 bottom of curve. Pumped 10 BBL sweep and POOH.
 Shut well in and Rig off CTU. Tested lines to 8000#. Pumped 20 BBL sweep and flushed with
 220 BBL's 2% KCL with Biocide @ 6.5 BPM @ 3800#psi. Shut well in. Ready for E-Line.