

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 06/30/2018

G-DC : \$6,815 G-CC : \$734,396 DR TD : 2,360 PBTD : 0

ONE LINER: Prepare to walk rig from 102 to 103. Test BOPE. PJSM.

DAILY ACTIVITY:

Prepared rig to walk. Walked rig from Mesquite 37 102H to Mesquite 37 U103H. Centered rig over hole. Set matting boards, pumped out cellar and moved Geronimo line. Installed cellar cover on Mesquite 37 102H. Walked Pipe Wrangler and lowered V-Door. Connected mud lines and safety cables. Disconnected walking package hydraulic lines, connected HPU to floor, connected BOP Wrangler hydraulics. Held safety meeting with Monahans Nipple Up torque crew. Removed capping flange. Set BOP stack on Mesquite 37 U103H well. Torqued connections and installed turnbuckles. Connected vibrator hose from HPU skid to substructure. Nippled up Flowline and connected to flowline skid. Installed cellar covers around BOP. Held safety meeting with Monahans Nipple Up test crew. Tested all BOP related equipment to 250 psi low and 5000 psi high with the exception being the Annular which was tested to 250 psi low and 3500 psi high.

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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 07/01/2018

G-DC : \$70,586 G-CC : \$734,396 DR TD : 3,515 PBTD : 1,155

ONE LINER: Fin test BOPs. PU dir tools. TIH 135'-2265'. Tag cmt @ 2265'. Rot & sld 2265'-3434'.

DAILY ACTIVITY:

Finished Testing BOPS. Tested casing to 750 PSI held 30 minutes.
 Installed wear Bushing and trip nipple.
 Lubricate rig
 Picked up directional tools. Picked up motor and scribed. Picked up IBS, Shock sub, NMPC, UBHO sub and NMDC. Installed MWD and surface tested. Made up 8-3/4" Bit #2 REED SKC 716M
 Tripped in hole 135' - 2265'. Tagged cement at 2265'.
 Circulated and displaced hole with cut brine.
 Drilled cement and float equipment 2265' to 2360'. Top of float collar @ 2316', top of shoe @ 2358'.
 Rotate drilled 2360' - 2370' (10' @ 20 fph).
 Circulated bottoms up and prepared for shoe test. Tested shoe to 11.0 ppg EMW. Pressured up to 208 psi with 9.3 ppg mud weight.
 Rotate drilled 2370' - 2665' (295' @ 84.2 fph).
 Slide drilled 2665' - 2680' (15' @ 15.0 fph), Rotate drilled 2680' - 2759' (79' @ 158.0 fph).
 Slide drilled 2759' - 2775' (16' @ 32.0 fph), Rotate drilled 2775' - 2854' (79' @ 79.0 fph).
 Slide drilled 2854' - 2867' (13' @ 26.0 fph), Rotate drilled 2867' - 2948' (81' @ 162.0 fph).
 Slide drilled 2948' - 2963' (15' @ 30.0 fph), Rotate drilled 2963' - 3043' (80' @ 160.0 fph).
 Slide drilled 3043' - 3051' (8' @ 16.0 fph), Rotate drilled 3051' - 3138' (87' @ 174.0 fph).
 Slide drilled 3138' - 3150' (12' @ 24.0 fph), Rotate drilled 3150' - 3232' (82' @ 82.0 fph).
 Slide drilled 3232' - 3240' (8' @ 16 fph), Rotate drilled 3240' - 3420' (180' @ 180.0 fph).
 Slide drilled 3420' - 3434' (14' @ 8.0 fph), Rotate drilled 3434' - 3515' (81' @ 162.0 fph).

♦Note: (---NO---) Accidents / Incidents reported ☐

♦Rig Diesel: (11,121)gal •Used: (1797)gal •Total Used: (5657)gal •Rec: (0)gal. ☐

♦Mud Diesel: (0)gal •Used: (0)gal •Total Used: (0)gal •Rec: (0)gal.

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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 07/02/2018

G-DC : \$43,787 G-CC : \$734,396 DR TD : 6,073 PBTD : 2,558

ONE LINER: Rot & sld 3515'-5898'.

DAILY ACTIVITY:

Rotate drilled 3515' - 3800' (285' @ 95.0 fph), Slide drilled 3800' - 3810' (10' @ 20.0 fph).
Rotate drilled 3810' - 3989' (178' @ 119.3 fph), Slide drilled 3989' - 3997' (8' @ 16.0 fph).
Rotate drilled 3997' - 4180' (183' @ 146.4 fph), Slide drilled 4180' - 4190' (10' @ 40.0 fph).
Rotate drilled 4190' - 4274' (84' @ 84.0 fph), Slide drilled 4274' - 4288' (14' @ 24.0 fph).
Rotate drilled 4288' - 4369' (81' @ 162.0 fph), Slide drilled 4369' - 4379' (10' @ 20.0 fph).
Rotate drilled 4379' - 4464' (85' @ 170.0 fph).
Serviced rig and top dive.
Rotate drilled 4464' - 4559' (95' @ 95.0 fph), Slide drilled 4559' - 4574' (15' @ 30.0 fph).
Rotate drilled 4574' - 4654' (80' @ 80.0 fph).
Slide drilled 4654' - 4664' (10' @ 20.0 fph), Rotate drilled 4664' - 5599' (935' @ 143.8.0 fph).
Slide drilled 5599' - 5609' (10' @ 20.0 fph), Rotate drilled 5609' - 5884' (275' @ 183.3 fph).
Slide drilled 5884' - 5898' (14' @ 28.0 fph), Rotate drilled 5898' - 6073' (175' @ 116.7 fph).

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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 07/03/2018

G-DC : \$115,821 G-CC : \$850,217 DR TD : 8,010 PBTD : 1,937

ONE LINER: Rot & sld 6073'-8010'.

DAILY ACTIVITY:

Rotate drilled 6073' - 6167' (94' @ 188.0 fph), Slide drilled 6167' - 6179' (12' @ 24.0 fph).
Rotate drilled 6179' - 6737' (558' @ 186.0 fph), Slide drilled 6737' - 6747' (10' @ 20.0 fph).
Rotate drilled 6747' - 7115' (368' @ 105.1 fph), Slide drilled 7115' - 7127' (12' @ 24.0 fph).
Rotate drilled 7127' - 7210' (83' @ 83.0 fph), Slide drilled 7210' - 7224' (104' @ 28.0 fph).
Rotate drilled 7224' - 7588' (364' @ 80.9 fph), Slide drilled 7588' - 7603' (15' @ 30.0 fph).
Rotate drilled 7603' - 7683' (80' @ 53.3 fph), Slide drilled 7683' - 7698' (15' @ 30.0 fph).
Rotate drilled 7698' - 7872' (174' @ 49.7 fph), Slide drilled 7872' - 7880' (8' @ 16.0 fph).
Rotate drilled 7880' - 8010' (130' @ 52.0 fph).

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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 07/04/2018

G-DC : \$46,374 G-CC : \$961,022 DR TD : 8,534 PBTD : 524

ONE LINER: Rot & sld 8010'-8212'. TOOH. LD bit #2 PU bit #3. TIH from dir tools to 2640'. Pulled trip nipple & inst rot elem. TIH 2640'-7777'. Wash & ream from 7777'-8212' Rot & sld 8212'-8534'.

DAILY ACTIVITY:

Rotate drilled 8010' - 8061' (51' @ 51 fph), Slide drilled 8061' - 8075' (14' @ 28 fph).
 Rotate drilled 8075' - 8212' (137' @ 45.6 fph).
 Pumped sweeps around. Flow check, well static. Pump slug.
 Tripped out of the hole 8212' - Directional tools.
 Laid down Bit #2, picked up bit #3 and test motor.
 Tripped in the hole from directional tools - 2640'
 Pulled trip nipple and installed rotating element.
 Serviced rig and top drive.
 Tripped in the hole 2640' - 7777'.
 Washed and reamed tight hole from 7777' - 8212'.
 Rotate drilled 8212' - 8439' (227' @ 50.4 fph).
 Slide drilled 8439' - 8451' (12' @ 24 fph).
 Rotate drilled 8451' - 8534' (83' @ 41.5 fph).

◆Note: (---NO---) Accidents / Incidents reported □

◆Rig Diesel: (5296)gal •Used: (1565)gal •Total Used: (11,482)gal •Rec: (0)gal.□
 ◆Mud Diesel: (0)gal •Used: (0)gal •Total Used: (0)gal •Rec: (0)gal.

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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 07/05/2018

G-DC : \$64,431 G-CC : \$961,022 DR TD : 8,755 PBTD : 221

ONE LINER: Rot & sld 8534'-8755'. TOO H 8755'-2360'. Pulled rot elem & inst trip nipple. TOO H. MU bit #4. TIH.

DAILY ACTIVITY:

Slide drilled 8534' - 8544' (10' @ 10 fph), Rotate drilled 8544' - 8628' (84' @ 56.0 fph).
Slide drilled 8628' - 8638' (10' @ 10 fph)
Rotate drilled 8638' - 8755' (117' @ 29.5 fph). ROP fell to 25 FPH with loss of torque and differential.
Pumped sweeps around. Flow check, well static. Pump slug.
Tripped out of the hole 8755' - 2360' (Tight spot at 4130' coming out. Reamed through spot)
Pulled rotating element and installed trip nipple.
Tripped out of the hole 2360' - Directional tools.
Laid down Motor and Bit #3 Ulterra. Pulled MWD. Picked up new motor and MWD. Bit #3 Had numerous worn and chipped cutters on shoulder. Had one Chipped cutter on inner rendering ROP. Test MWD Make up bit #4
Tripped in the hole from directional tools - 963'
Slip and cut 105' drill line.
Serviced rig and topdrive.
Tripped in the hole from 963' - 2360'
Pulled trip nipple and installed rotating element.
Tripped in the hole from 2360' - 7340' (Reamed tight spots at 2930', 4100', and 4460'.)

◆Note: (---NO---) Accidents / Incidents reported □

◆Rig Diesel: (3887)gal •Used: (1409)gal •Total Used: (12,891)gal •Rec: (0)gal.□

◆Mud Diesel: (0)gal •Used: (0)gal •Total Used: (0)gal •Rec: (0)gal.

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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 07/06/2018

G-DC : \$68,605 G-CC : \$1,029,627 DR TD : 9,759 PBTD : 1,004

ONE LINER: TIH from 7340'-8755'. Rot & sld 8755'-9759'

DAILY ACTIVITY:

Tripped in the hole from 7340' - 8755' (Safety Reamed from 8534' to 8755'.)
 Rotate drilled 8755' - 8911' (156' @ 78 fph), Slide drilled 8911' - 8923' (24' @ 24.0 fph).
 Rotate drilled 8923' - 9068' (145' @ 72.5 fph).
 Change out cap gasket in MP#2. # 1 and #2 suction.
 Rotate drilled 9068' - 9100' (32' @ 64 fph), Slide drilled 9100' - 9112' (12' @ 24.0 fph).
 Rotate drilled 9112' - 9195 (83' @ 83' fph), Slide drilled 9195' - 9210' (15' @ 15.0 fph).
 Rotate drilled 9210' - 9287 (77' @ 51.3' fph), Slide drilled 9287' - 9297' (10' @ 20 fph).
 Rotate drilled 9297' - 9572' (275' @ 61.1 fph)
 Slide drilled 9572' - 9587' (15' @ 10 fph)
 Rotate drilled 9587' - 9666' (79' @ 52.6 fph)
 Slide drilled 9666' - 9681' (15' @ 10 fph)
 Air conditioning unit in VFD house froze up causing excessive heat to build causing VFD controls to shut down. Crew worked to thaw out unit.
 Rotate drilled 9681' - 9759' (78' @ 52 fph)

♦Note: (---NO---) Accidents / Incidents reported □
 ♦Rig Diesel: (8738)gal •Used: (2350)gal •Total Used: (15,241)gal •Rec: (7201)gal.□
 ♦Mud Diesel: (0)gal •Used: (0)gal •Total Used: (0)gal •Rec: (0)gal.

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

DR DATE 07/07/2018

G-DC : \$46,117 G-CC : \$1,166,534 DR TD : 10,083 PBTD : 324

ONE LINER: Rot & sld 9759'-10083'. Circ sweeps. TOOH 10003'-2360'. Pull rot elem & inst trip nipple. TOOH 2360'-6" D.C.'s. TIH from dir tools to 2360'. Pull trip nipple, & inst rot elem. TIH 2360'-5400'.

DAILY ACTIVITY:

Slide drilled 9759' - 9773' (14' @ 9.3 fph)
 Rotate drilled 9773' - 9854' (81' @ 54.0 fph)
 Slide drilled 9854' - 9868' (14' @ 9.3 fph)
 Rotate drilled 9868' - 10083' (215' @ 86.0 fph)
 Pumped two 40 bbls high vis sweeps around Flow check, well static. Pump slug.
 Tripped out of the hole 10003' - 2360' (Tight spot 4161')
 Pulled rotating element and installed trip nipple.
 Tripped out of the hole 2360' - 6" D.C.'s.
 Lay Down 6" D.C.'s
 Break down vertical drilling assembly. Laid down bit #4. Picked up curve drilling assembly. Tested motor and MWD. Made up bit #5. Bit #4 was 1/8" out of gauge, and had numerous chipped teeth on gauge.
 Serviced rig and topdrive.
 Tripped in the hole directional tools - 2360'.
 Pulled trip nipple and installed rotating element.
 Tripped in the hole 2360' - 5400'. Tight spots 2960', 4130', 4460'.

♦Note: (---NO---) Accidents / Incidents reported ☐
 ♦Rig Diesel: (6861)gal •Used: (1877)gal •Total Used: (17,118)gal •Rec: (0)gal.☐
 ♦Mud Diesel: (0)gal •Used: (0)gal •Total Used: (0)gal •Rec: (0)gal.

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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 07/08/2018

G-DC : \$50,425 G-CC : \$1,166,534 DR TD : 10,762 PBTD : 679

ONE LINER: TIH from 5400'-9090'. Wash & ream from 9090'-10083'. Beg bld curve @ 10083'. Rot & sld 10083'-10734'.

DAILY ACTIVITY:

Trip in hole from 5400' to 9090' (Tight spot at 9090'.)
Wash and ream from 9090' to 10083' Begin Building curve @ 10083'.
Slide drilled 10083' - 10133' (50' @ 33.3' fph), Rotate drilled 10133' - 10139' (6' @ 12.0 fph).
Slide drilled 10139' - 10227' (88' @ 35.2' fph), Rotate drilled 10227' - 10242' (15' @ 30.0 fph).
Slide drilled 10242' - 10258' (16' @ 32.0' fph)
Rig Service.
Rotate drilled 10,258' - 10,274' (16' @ 32 fph), Slide drilled 10,274' - 10,290' (16' @ 32 fph)
Rotate drilled 10,290' - 10,306' (16' @ 32 fph), Slide drilled 10,306' - 10,321' (15' @ 30 fph)
Rotate drilled 10,321' - 10,338' (17' @ 34 fph), Slide drilled 10,338' - 10,352' (14' @ 28 fph)
Note: Target change. New Target: 10,665' @ 0' VS. Old Target: 10,615' @ 0' VS.
Rotate drilled 10,352' - 10,384' (32' @ 64 fph), Slide drilled 10,384' - 10,394' (10' @ 20 fph)
Rotate drilled 10,394' - 10,415' (21' @ 42 fph), Slide drilled 10,415' - 10,447' (32' @ 64 fph)
Rotate drilled 10,447' - 10,453' (6' @ 12 fph), Slide drilled 10,453' - 10,478' (25' @ 50 fph)
Rotate drilled 10,478' - 10,483' (5' @ 20 fph), Slide drilled 10,483' - 10,509' (26' @ 104 fph)
Rotate drilled 10,509' - 10,519' (10' @ 20 fph), Slide drilled 10,519' - 10,541' (22' @ 44 fph)
Rotate drilled 10,541' - 10,546' (5' @ 10 fph), Slide drilled 10,546' - 10,572' (26' @ 52 fph)
Rotate drilled 10,572' - 10,581' (9' @ 18 fph), Slide drilled 10,581' - 10,604' (23' @ 46 fph)
Rotate drilled 10,604' - 10,613' (9' @ 18 fph), Slide drilled 10,613' - 10,635' (22' @ 44 fph)
Rotate drilled 10,635' - 10,643' (8' @ 32 fph), Slide drilled 10,643' - 10,667' (24' @ 96 fph)
Rotate drilled 10,667' - 10,675' (8' @ 16 fph), Slide drilled 10,675' - 10,699' (24' @ 48 fph)
Rotate drilled 10,699' - 10,711' (12' @ 24 fph), Slide drilled 10,711' - 10,731' (20' @ 40 fph)
Rotate drilled 10,731' - 10,734' (3' @ 6 fph), Slide drilled 10,734' - 10,762' (28' @ 56 fph)

♦Note: (---NO---) Accidents / Incidents reported □
♦Rig Diesel: (4913)gal •Used: (1948)gal •Total Used: (19,066)gal •Rec: (0)gal.□
♦Mud Diesel: (0)gal •Used: (0)gal •Total Used: (0)gal •Rec: (0)gal.

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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	07/09/2018				
G-DC :	\$40,365	G-CC :	\$1,166,534	DR TD :	10,825
PBTD :	63				

ONE LINER: Rot & sld 10762'-10825'. Circ sweeps. TOOH 10825'-7615'. Pulled rot elem, inst trip nipple. TOOH 7615'-BHA. TIH BHA to 2360'. Pull trip nipple, inst rot elem. TIH 2360'-10070'. Repair Mud Pump #2. Wash to btm.

DAILY ACTIVITY:

Slide drilled 10,762' - 10,793' (31' @ 31.0 fph), Rotate drilled 10,793' - 10,796' (6' @ 12.0 fph)
 Slide drilled 10,796' - 10,825' (29' @ 29.0 fph). BHA not yielding angle needed. Pull out of hole to inspect bit and inspect motor.
 Pumped 40 bbls high vis sweeps around circulated shakers clean. Flow check, well static. Pump slug.
 Tripped out of the hole 10,825' - 7,615'
 Pulled rotating element and installed trip nipple.
 Tripped out of the hole 7,615' - BHA' hole slick no tight spots.
 Stood back NMDC. Drained motor and broke off bit #5. Pull MWD and changed out tool sleeve. Installed MWD and test motor and MWD(good test). Made up bit #6. Bit #5 had 10 chipped / broken cutters on gauge.
 Service rig and topdrive.
 Tripped in the hole BHA - 2360'.
 Pulled trip nipple and installed rotating element.
 Tripped in the hole 2360' - 10,070'.
 Note: Wash through tight spots @ 2888', 2960', 4460', 5028'.
 Troubleshoot #2 pump issues. Pump will not stay engaged. Electrician is on location and attempting to trouble shoot issue. Contacted office and decision was made to circulate and condition at top of curve until pump is back on line. Removed inverter from rotary table panel and installed in #2 pump panel
 Washed in the hole 10,070' - 10,825'. Could not run in hole without washing down.

♦Note: (---NO---) Accidents / Incidents reported ☐
 ♦Rig Diesel: (3706)gal ♦Used: (1207)gal ♦Total Used: (20,273)gal ♦Rec: (0)gal. ☐
 ♦Mud Diesel: (0)gal ♦Used: (0)gal ♦Total Used: (0)gal ♦Rec: (0)gal.

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

DR DATE 07/10/2018

G-DC : \$69,130 G-CC : \$1,235,664 DR TD : 11,042 PBTD : 217

ONE LINER: Rot & sld 10825'-11042'. P/ 2 40bbls sweeps. POOH 11042'-2360'. Pull rot elem & inst trip nipple. POOH 2360'-154'. LD curve assy. PU reamer assy. TIH 85'-1031'. Pulled trip nipple, inst. Rot elem.

DAILY ACTIVITY:

Slide drilled 10,825' - 10,857' (32' @ 64 fph), Rotate drilled 10,857' - 10,862' (5' @ 10 fph).
 Slide drilled 10,862' - 10,888' (26' @ 52 fph), Rotate drilled 10,888' - 10,895' (7' @ 14 fph).
 Slide drilled 10,895' - 10,920' (25' @ 25 fph), Rotate drilled 10,920' - 10,928' (8' @ 16 fph).
 Slide drilled 10,928' - 10,951' (23' @ 46 fph), Rotate drilled 10,951' - 10,959' (8' @ 16 fph).
 Slide drilled 10,959' - 10,983' (24' @ 48 fph), Rotate drilled 10,983' - 10,993' (10' @ 20 fph).
 While drilling ahead, cuttings dump line came off the tank and dumped saltwater and cuttings on ground. Shut down and attach line back to tank.
 Slide drilled 10,993' - 11,014' (21' @ 21 fph), Rotate drilled 11,014' - 11,023' (9' @ 18 fph).
 Slide drilled 11,023' - 11,042' (19' @ 38 fph). TD Curve section.
 Pump 2 - 40bbl high vis sweeps surface to surface. Flow check, well static. Pump slug.
 Pulled out of the hole 11,042' - 2360'. No drag observed.
 Pulled rotating element and installed trip nipple.
 Pulled out of the hole 2360' - 154'.
 Laid down curve drilling assembly.
 Picked up reamer assembly. Re-run bit #3 Ulterra 716M.
 Tripped in the hole 85' - 1031'.
 Slipped and cut 15 wraps(120') drill line.
 Serviced rig and topdrive.
 Pulled trip nipple and installed rotating element.
 Tripped in the hole washing and reaming tight spots 1031' - 4460'
 Tight spots @ 2940', 3035', 3998' thru 4460'.

◆Note: (---NO---) Accidents / Incidents reported □

◆Rig Diesel: (9032)gal •Used: (1975)gal •Total Used: (22,248)gal •Rec: (7301)gal.□
 ◆Mud Diesel: (0)gal •Used: (0)gal •Total Used: (0)gal •Rec: (0)gal.

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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 07/11/2018

G-DC : \$47,019 G-CC : \$1,282,683 DR TD : 11,042 PBDT : 0

ONE LINER: TIH 4460'-10080'. Wash & ream curve 10080'-11042'. Circ 2- 40 bbls sweeps. TOOH 11042'-10083'. LD drill pipe 10083'-500'. Pulled rot elem & inst trip nipple. TIH 40'-1300'. LD DP. RU casing crew

DAILY ACTIVITY:

Tripped in hole 4460' - 10,080. Washed and reamed tight spots @ 4460' - 4600' and 5620'. Washed and reamed curve 10,080' - 11,042'. Circulated 2 - 40 bbl sweeps surface to surface. Spotted 80 bbl PHPA high vis pill in curve. Flow checked and well was static. Mixed and pumped slug. Tripped out of hole 11,042' - 10,083'. Hole took proper fill and had no drag. Laid down drill pipe 10,083' - 500'. Hole took proper fill and had no drag. Pulled rotating element and installed trip nipple. Laid down drill pipe 500' - 85'. Laid down Phantom Ghost reamer and stabilizer. Tripped in the hole 40' - 1300'. Laid down drill pipe 1300' - 40'. Hole took proper fill. Laid down bit, bit sub and crossover. Cleared and cleaned rig floor. Pulled wear bushing. Rigged up Pipe Pros casing crew, Torque Turn and CRT. Innovex DV tool hand and Thread Rep. on location. (Notified Gabby with TRRC of casing and cement job @ 1400 hrs on 7/10/2018)

♦Note: (---NO---) Accidents / Incidents reported ☐
 ♦Rig Diesel: (7652) gal •Used: (1380) gal •Total Used: (23,628) gal •Rec: (0) gal. ☐
 ♦Mud Diesel: (0) gal •Used: (0) gal •Total Used: (0) gal •Rec: (0) gal.

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 07/12/2018

G-DC : \$377,055 G-CC : \$1,659,738 DR TD : 11,042 PBTD : 0

ONE LINER: RU csg crew. PJSM. Ran 7" csg @ 6107'

DAILY ACTIVITY:

Rigged up Pipe Pros casing crew, Torque Turn and CRT. Held safety meeting with all personnel. Innovex DV tool hand & Thread Rep on location. (Notified Gabby with TRRC of casing and cement job @ 1400 hrs 7/10/18)
Ran float shoe, 2 shoe joints, float collar, 70 joints 7", 29.0#, P110HC, TCBC-HT casing to 3140'.
Troubleshoot brake Choppers. Replaced relay with no success. Troubleshoot wiring looking for a short. Found 2 bad brake choppers. Replaced 1 brake choppers, 4 - 1100 amp fuses, 2 relays and 2 Wego head modules.
Ran 71 joints 7", 29.0#, P110HC, TCBC-HT casing to 6107'. Installed DV Tool.

♦Note: (---NO---) Accidents / Incidents reported ☐
♦Rig Diesel: (6466) gal •Used: (1186) gal •Total Used: (24,814) gal •Rec: (0) gal. ☐
♦Mud Diesel: (0) gal •Used: (0) gal •Total Used: (0) gal •Rec: (0) gal.

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 07/13/2018

G-DC : \$159,315 G-CC : \$1,819,053 DR TD : 11,042 PBTD : 0

ONE LINER: Ran 74 jnts 7" csg 6107'-9365'. Ran 38 jnts 7" csg 9365'-11042'. Broke circ @ 10073'. Circ hole. PJSM. Cmt 454 sks. Drop plug & displace w/ 414 bbls FW. Cmt 559 sks drop plug & disp w/183 bbls FW. PJSM. ND BOPE.

DAILY ACTIVITY:

Installed DV Tool and filled pipe. Circulated through DV Tool for safety.
Ran 74 joints 7", 29.0#, P110HC, TCBC-HT casing 6107' - 9365'.
Removed trip nipple and installed rotating element.
Ran 38 joints 7", 29.0#, P110HC, TCBC-HT casing 9365' - 11,042'. Broke circulation at 10,073'.
Circulated hole for cementing. Had full returns and max gas was 881 units.
Held safety meeting with BJ Services. Rigged down CRT and rigged up cementing equipment.
Switched lines to BJ Services cementers and tested to 4500 psi. Pumped 20 bbls 8.3# IntegraGuard II ahead.
Cemented with 454 sacks H:POZ 50:50 + 10% Gel + 0.005% FP-6L+ 0.45% R-21 + 0.005 pps Static Free (185 bbls, 11.8 ppg, 2.29 yield). Tailed in with 462 sx H:POZ 50/50 + .10% ASA-301 + 1% salt + .005 gps FP-6L + .50% CD-32A + .25% R-21 + 0.005 pps Static Free (102 bbls, 14.2 ppg, 1.24 yield) . Dropped plug and displaced with 414 bbls fresh water. Bumped plug with 500 psi over final displacement pressure. Bled pressure to 0 and floats held. Bled off 3.5 bbls. Good returns through out cementing job.
Dropped bomb and waited to seat. Opened DV tool with 560 psi and circulated bottoms up. Returned 0 bbls cement and 0 bbls spacer.
Switched lines to BJ Services cementers. Pump 20 bbls 8.3# IntegraGuard II ahead. Cemented with 559 sacks C:POZ 50:50 + 10% Gel + 5.0% salt + 0.005% FP-6L+ 05% R-3 + 0.005 pps Static Free (236 bbls, 11.9 ppg, 2.36 yield). Tailed in with 114 sx C:POZ 50/50 + .005 pps Static Free+ .005 gps FP-6L + .05% R-3 (27 bbls, 14.8 ppg, 1.32 yield). Dropped plug and displaced with 183 bbls fresh water. Bumped plug with 2000 psi over final displacement pressure of 675psi. Bled pressure to 0 and floats held. Bled off 1.75 bbls. Good returns through out cementing job. Returned 0 bbls cement and 0 bbls spacer.
Waited on cement.
Held PJSM with Monahans, Cameron, Patterson and Co. Rep. Nipple down stack at wellhead to set slips.

◆Note: (---NO---) Accidents / Incidents reported □
◆Rig Diesel: (12,679) gal •Used: (1087) gal •Total Used: (25,901) gal •Rec: (7300) gal.□
◆Mud Diesel: (7300) gal •Used: (0) gal •Total Used: (0) gal •Rec: (7300) gal.

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 07/14/2018

G-DC : \$79,893 G-CC : \$2,015,090 DR TD : 11,042 PBTD : 0

ONE LINER: ND @ B-sec, raised stk & set slips. Rem spools. Made fin cut on 7" csg. NU B-sec. Chng out top Drive. PJSM. Tested BOP. PU & MU BHA #7. PU 4" drill pipe off rack & run in hole to 2560'.

DAILY ACTIVITY:

Nippled down at B-Section, raised stack and set slips in full tension, 30k over string weight. Made rough cuts on 7" casing. Removed 11" 5M spools and 11" 5M x 13-5/8" DSA. Made final cut on 7" casing and dressed off. Nippled up 11" 5M x 11" 10M B-Section and tested to 5000 psi.
Nippled up 11" 10M x 11" 10M spool and 11" 10M x 13-5/8" 10M DSA. Set stack and nipped up 13-5/8" 10M BOP stack and 13-5/8" 5M Annular Preventer. Changed upper pipe rams from 5" x 7" VBR's to 3-1/2" x 5" VBR's. Set open top tanks in backyard.
Changed out Top Drive saver sub from 4-1/2" IF to 4" XT39. Changed bell guide and pipe grabber from 5" to 4".
Held safety meeting with Monahans Nipple Up test crew. Tested all BOP related equipment to 250 psi low and 5000 psi high with the exception being the Annular which was tested to 250 psi low and 3500 psi high. Tested casing and blind rams to 3000 psi for 30 minutes. Rigged down Monahans Nipple Up test crew.
Picked up and made up BHA #7. Baker STX-1 bit, bit sub and 30 joints HWDP.
Picked up 4" drill pipe off rack and run in hole to 2560'

♦Note: (---NO---) Accidents / Incidents reported ☐

♦Rig Diesel: (12,009) gal •Used: (670) gal •Total Used: (26,571) gal •Rec: (0) gal. ☐

♦Mud Diesel: (7300) gal •Used: (0) gal •Total Used: (0) gal •Rec: (0) gal.

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 07/15/2018

G-DC : \$49,644 G-CC : \$2,015,090 DR TD : 11,042 PBTD : 0

ONE LINER: PU 4" drill pipe & run in hole 2560'-4934'. drill out DV tool. TIH w/lateral assy while PU 4" drill pipe. Tag cmt @ 10826'.

DAILY ACTIVITY:

Picked up 4" drill pipe off rack and run in hole 2560' to 4900'
Washed 4900' - 4934'.
Drilled DV Tool @ 4934'. Worked through DV Tool multiple times.
Circulated and tested casing to 3000 psi for 30 minutes. Transfer OBM to active system.
Tripped out of hole for lateral assembly. Laid down rock bit and bit sub.
Picked up lateral assembly. Scribed motor and installed MWD. Tested motor and MWD. Made up 6-1/8" bit.
Made up Flex collar and 2 stand drill pipe. Picked up and made up Drill-n-Ream assembly.
Tripped in hole with lateral assembly 355' - 4217'. Filled pipe with fresh water.
Picked up 4" drill pipe 4217' - 6293'. Filled pipe with fresh water.
Tripped in the hole with 10 stands HWDP 6293' - 7200'.
Picked up 4" drill pipe 7200' - 0,826'. Tag cement @ 10,826'. Filled pipe with fresh water and broke circulation.
Pulled trip nipple and installed rotating element.

♦Note: (---NO---) Accidents / Incidents reported □
♦Rig Diesel: (11,302) gal •Used: (707) gal •Total Used: (27,278) gal •Rec: (0) gal.□
♦Mud Diesel: (7300) gal •Used: (0) gal •Total Used: (0) gal •Rec: (0) gal.

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 07/16/2018

G-DC : \$66,500 G-CC : \$2,015,090 DR TD : 11,731 PBTD : 689

ONE LINER: Inst rot elem. Filled pipe & broke circ. Drilled cmt & float equipt 10826'-11042'. Rot & sld 11042'-11731'.

DAILY ACTIVITY:

Installed rotating element. Filled pipe and broke circulation.
Slipped and cut drill line. Calibrated block height and checked COM.
Serviced rig and Top Drive. Greased blocks and crown.
Displaced from fresh water to 11.3 ppg OBM.
Drilled cement and float equipment 10,826' - 11,042'. Top of float collar @ 10,950', top of shoe @ 11,040'.
Rotate drilled 11,042' - 11,052' (10' @ 20.0 fph).
Circulated and tested casing shoe to 13.0 ppg EMW. Pressured up to 915 psi with 11.35 ppg mud weight.
Rotate drilled 11,052' - 11,164' (112' @ 44.8 fph).
Slide drilled 11,164' - 11,179' (15' @ 15 fph), Rotate drilled 11,179' - 11,353' (174' @ 43.5 fph)
Note: Target adjustment. New Target: 10,605' @ 1000' VS. Old Target: 10,575' @ 1000' VS.
Slide drilled 11,353' - 11,368' (15' @ 30 fph), Rotate drilled 11,368' - 11,448' (80' @ 53.3 fph)
Slide drilled 11,448' - 11,463' (15' @ 30 fph), Rotate drilled 11,463' - 11,731' (268' @ 59.5 fph)

♦Note: (---NO---) Accidents / Incidents reported ☐
♦Rig Diesel: (9807) gal •Used: (1495) gal •Total Used: (28,773) gal •Rec: (0) gal. ☐
♦Mud Diesel: (6617) gal •Used: (683) gal •Total Used: (683) gal •Rec: (0) gal.

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 07/17/2018

G-DC : \$66,715 G-CC : \$2,081,805 DR TD : 13,055 PBTD : 1,324

ONE LINER: Rot & sld 11731'-13055'.

DAILY ACTIVITY:

Slide drilled 11,731' - 11,741' (10' @ 20.0 fph).
 Rotate drilled 11,741' - 11,826' (85' @ 85.0 fph), Slide drilled 11,826' - 11,841' (15' @ 30.0 fph).
 Rotate drilled 11,841' - 11,920' (79' @ 52.6 fph), Slide drilled 11,920' - 11,935' (15' @ 30.0 fph).
 Rotate drilled 11,935' - 12,015' (80' @ 160.0 fph), Slide drilled 12,015' - 12,025' (10' @ 20.0 fph).
 Rotate drilled 12,025' - 12,109' (84' @ 84.0 fph), Slide drilled 12,109' - 12,119' (10' @ 20.0 fph).
 Rotate drilled 12,119' - 12,204' (85' @ 85.0 fph).
 Serviced rig and Top Drive. Changed out leaking hose on TDS11.
 Rotate drilled 12,204' - 12,394' (190' @ 95.0 fph), Slide drilled 12,394' - 12,402' (8' @ 16.0 fph).
 Rotate drilled 12,402' - 12,488' (86' @ 86.0 fph), Slide drilled 12,488' - 12,500' (12' @ 24.0 fph).
 Rotate drilled 12,500' - 12,583' (83' @ 55.3 fph), Slide drilled 12,583' - 12,593' (0' @ 20 fph).
 Rotate drilled 12,593' - 12,677' (84' @ 56 fph), Slide drilled 12,677' - 12,691' (14' @ 28 fph).
 Rotate drilled 12,691' - 12,771' (80' @ 80 fph), Slide drilled 12,771' - 12,776' (5' @ 10 fph).
 Rotate drilled 12,776' - 12,816' (40' @ 80 fph), Slide drilled 12,816' - 12,824' (8' @ 8 fph).
 Rotate drilled 12,824' - 12,865' (41' @ 82 fph), Slide drilled 12,865' - 12,879' (14' @ 28 fph).
 Rotate drilled 12,879' - 13,055' (176' @ 44 fph).

◆Note: (---NO---) Accidents / Incidents reported ☐
 ◆Rig Diesel: (7850) gal •Used: (1957) gal •Total Used: (30,730) gal •Rec: (0) gal. ☐
 ◆Mud Diesel: (3729) gal •Used: (2888) gal •Total Used: (3571) gal •Rec: (0) gal.

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 07/18/2018

G-DC : \$63,334 G-CC : \$2,145,139 DR TD : 13,985 PBTD : 930

ONE LINER: Rot & sld 13055'-13985'.

DAILY ACTIVITY:

Rotate drilled 13,055' - 13,149' (94' @ 47.0 fph), Slide drilled 13,149' - 13,161' (12' @ 24.0 fph).
 Rotate drilled 13,161' - 13,243' (82' @ 54.6 fph), Slide drilled 13,243' - 13,255' (12' @ 24.0 fph).
 Rotate drilled 13,255' - 13,331' (76' @ 152.0 fph).
 Troubleshoot lost communication VFD house to mud pumps . Fiber optic cables from mud pump to VFD house were dust filled. Cleaned out and attempted to reset VFD house and found issues with wiring on Moxxy switch. Corrected issues, powered up and re-calibrated.
 Rotate drilled 13,331' - 13,432' (101' @ 67.3 fph), Slide drilled 13,432' - 13,444' (12' @ 12.0 fph).
 Rotate drilled 13,444' - 13,526' (82' @ 82.0 fph), Slide drilled 13,526' - 13,541' (15' @ 15.0 fph).
 Rotate drilled 13,541' - 13,587' (46' @ 92.0 fph), Slide drilled 13,587' - 13,595' (8' @ 16.0 fph).
 Rotate drilled 13,595' - 13,620' (25' @ 50.0 fph).
 Serviced rig and top drive.
 Slide drilled 13,620' - 13,642' (22' @ 44.0 fph).
 Rotate drilled 13,642' - 13,725' (83' @ 83.0 fph), Slide drilled 13,725' - 13,740' (15' @ 30.0 fph).
 Rotate drilled 13,740' - 13,770' (30' @ 60.0 fph), Slide drilled 13,770' - 13,780' (10' @ 20.0 fph).
 Rotate drilled 13,780' - 13,809' (29' @ 58.0 fph), Slide drilled 13,809' - 13,829' (20' @ 40.0 fph).
 Rotate drilled 13,829' - 13,859' (30' @ 60.0 fph), Slide drilled 13,859' - 13,874' (15' @ 30.0 fph).
 Rotate drilled 13,874' - 13,903' (29' @ 58.0 fph), Slide drilled 13,903' - 13,921' (18' @ 18.0 fph).
 Rotate drilled 13,921' - 13,955' (34' @ 68.0 fph), Slide drilled 13,955' - 13,970' (15' @ 15.0 fph).
 Rotate drilled 13,970' - 13,985' (15' @ 30.0 fph).

♦Note: (---NO---) Accidents / Incidents reported ☐

♦Rig Diesel: (7850) gal •Used: (1580) gal •Total Used: (32,310) gal •Rec: (0) gal. ☐

♦Mud Diesel: (9083) gal •Used: (1846) gal •Total Used: (5417) gal •Rec: (7200) gal.

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 07/19/2018

G-DC : \$71,153 G-CC : \$2,216,292 DR TD : 14,373 PBTD : 388

ONE LINER: Rot & sld 13985'-14373'. Circ. TOOH 14373'-12767'. Rep pin in arm clamt on ST80. TOOH 12767'-7200'. Rem. Rot elem & inst trip nipple. TOOH 7200'-4000'

DAILY ACTIVITY:

Rotate drilled 13,985' - 13,998' (13' @ 52.0 fph), Slide drilled 13,998' - 14,016' (18' @ 14.4 fph).
Rotate drilled 14,016' - 14,045' (29' @ 58.0 fph), Slide drilled 14,045' - 14,055' (10' @ 10.0 fph).
Rotate drilled 14,055' - 14,092' (37' @ 74.0 fph), Slide drilled 14,092' - 14,112' (20' @ 20.0 fph).
Rotate drilled 14,112' - 14,145' (33' @ 66.0 fph), Slide drilled 14,145' - 14,155' (10' @ 20.0 fph).
Rotate drilled 14,155' - 14,185' (30' @ 60.0 fph), Slide drilled 14,185' - 14,237' (52' @ 14.8 fph).
Rotate drilled 14,237' - 14,279' (42' @ 84.0 fph), Slide drilled 14,279' - 14,292' (13' @ 13.0 fph).
Rotate drilled 14,292' - 14,315' (23' @ 23.0 fph), Slide drilled 14,315' - 14,340' (25' @ 16.7 fph).
Rotate drilled 14,340' - 14,373' (33' @ 22.0 fph). Motor / bit not dropping angle as needed.
Serviced rig and top drive.
Circulated sweeps surface to surface. Checked flow, no flow. Pumped slug.
Tripped out of hole 14,373' - 12,767'. Hole took proper fill and had normal drag.
Replaced pin in arm clamp on ST80.
Tripped out of hole 12,767' - 7200'. Hole took proper fill and had normal drag.
Removed rotating element and installed trip nipple.
Tripped out of hole 7200' - 4000'. Hole took proper fill.

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 07/20/2018

G-DC : \$70,123 G-CC : \$2,286,415 DR TD : 14,460 PBTD : 87

ONE LINER: TOO H 4000'-158' to insp BHA & bit. TIH 158'-10968'. Rem trip nipple & inst rot elem. TIH 10968'-14373'. Rot & sld 14373'-14460'. MWD failed. Circ & built up slug. TOO H 14460'-9750'.

DAILY ACTIVITY:

Tripped out of hole 4000' - 158' to inspect BHA and bit.
Laid down Drill-n-Ream, racked back NMDC's, broke bit and pulled MWD. Adjusted motor bend from 1.50° to 1.83°. Scribed motor and installed MWD. Tested motor and MDW. Made up NMDC's. Made up bit.
Tripped in hole 158' - 10,968'. Filled pipe every 30 stands.
Removed trip nipple and installed rotating element.
Serviced rig and Top Drive.
Tripped in hole 10,968' - 14,373'. Filled pipe every 30 stands.
Slide drilled 14,373' - 14,390' (19' @ 6.3 fph).
Rotate drilled 14,390' - 14,421' (31' @ 31.0 fph).
Slide drilled 14,421' - 14,440' (19' @ 19.0 fph).
Rotate drilled 14,440' - 14,460' (20' @ 40.0 fph).
Trouble shoot MWD. MWD failed. No communication with surface.
Circulated and built slug. Checked flow. No flow. Pumped slug.
Tripped out of hole 14,460' - 9750'. Hole took proper fill and had normal drag.

♦Note: (---NO---) Accidents / Incidents reported □

♦Rig Diesel: (9999) gal •Used: (1122) gal •Total Used: (35,310) gal •Rec: (0) gal.□
♦Mud Diesel: (7613) gal •Used: (687) gal •Total Used: (6887) gal •Rec: (0) gal.

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 07/21/2018

G-DC : \$46,912 G-CC : \$2,444,097 DR TD : 14,690 PBTD : 230

ONE LINER: TOOH 9750'-7193' to chng MWD. TIH 158'-10968'. Rem trip nipple & inst rot elem. TIH 10968'-14460'. Rot & sld 14460'-14690'.

DAILY ACTIVITY:

Tripped out of hole 9750' - 7193' to change out MWD.
 Removed rotating element and installed trip nipple.
 Tripped out of hole 7193' - 153' to change out MWD.
 Racked back NMDC's, checked bit and pulled MWD. Changed out mule shoe sub. Checked scribe on motor and installed MWD. Tested motor and MDW. Made up NMDC's. Made up bit.
 Tripped in hole 158' - 10,968'. Filled pipe every 30 stands.
 Removed trip nipple and installed rotating element.
 Serviced rig and Top Drive.
 Tripped in hole 10,968' - 14,460'. Filled pipe every 30 stands.
 Slide drilled 14,460' - 14,470' (10' @ 5.0 fph).
 Rotate drilled 14,470' - 14,505' (35' @ 70.0 fph), Slide drilled 14,505' - 14,525' (20' @ 20.0 fph).
 Rotate drilled 14,525' - 14,554' (29' @ 58.0 fph), Slide drilled 14,554' - 14,562' (8' @ 8.0 fph).
 Rotate drilled 14,562' - 14,605' (43' @ 43.0 fph), Slide drilled 14,605' - 14,612' (7' @ 14.0 fph).
 Rotate drilled 14,612' - 14,690' (78' @ 52.0 fph).

♦Note: (---NO---) Accidents / Incidents reported ☐
 ♦Rig Diesel: (8640) gal •Used: (1359) gal •Total Used: (36,669) gal •Rec: (0) gal.☐
 ♦Mud Diesel: (6473) gal •Used: (1140) gal •Total Used: (8027) gal •Rec: (0) gal.

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 07/22/2018

G-DC : \$61,045 G-CC : \$2,444,097 DR TD : 15,750 PBTD : 1,060

ONE LINER: Rot & sld 14690'-15750'.

DAILY ACTIVITY:

Rotate drilled 14,690' - 14,743' (53' @ 53.0 fph), Slide drilled 14,743' - 14,763' (20' @ 13.3 fph).
 Rotate drilled 14,763' - 14,806' (43' @ 43.0 fph), Slide drilled 14,806' - 14,814' (8' @ 16.0 fph).
 Note: Target change. New Target: 10,455' @ 5000' VS. Old Target: 10,430' @ 5000' VS.
 Rotate drilled 14,814' - 14,856' (42' @ 42.0 fph), Slide drilled 14,856' - 14,867' (11' @ 11.0 fph).
 Rotate drilled 14,867' - 14,895' (28' @ 56.0 fph), Slide drilled 14,895' - 14,905' (10' @ 20.0 fph).
 Rotate drilled 14,905' - 15,214' (309' @ 61.8 fph).
 Serviced rig and Top Drive.
 Rotate drilled 15,214' - 15,410' (196' @ 56.0 fph), Slide drilled 15,410' - 15,420' (10' @ 10.0 fph).
 Rotate drilled 15,420' - 15,505' (85' @ 56.6 fph), Slide drilled 15,505' - 15,515' (10' @ 10.0 fph).
 Rotate drilled 15,515' - 15,750' (235' @ 52.2 fph).

♦Note: (---NO---) Accidents / Incidents reported ☐
 ♦Rig Diesel: (6664) gal •Used: (1976) gal •Total Used: (38,645) gal •Rec: (0) gal. ☐
 ♦Mud Diesel: (3450) gal •Used: (3023) gal •Total Used: (11050) gal •Rec: (0) gal.

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 07/23/2018

G-DC : \$49,725 G-CC : \$2,444,097 DR TD : 16,047 PBTD : 297

ONE LINER: Rot & sld 15750-'16047'. Circ. TOOH 16047'-7200'. Pull rot elem & inst trip nipple @ 7200'. LD dir. Tools. PU & MU bit, bit sub. TIH 80'-10984'.

DAILY ACTIVITY:

Rotate drilled 15,750' - 15,806' (56' @ 37.3 fph).
Slide drilled 15,806' - 15,816' (10' @ 10.0 fph).
Rotate drilled 15,816' - 16,047' (231' @ 51.3 fph).
Circulated sweeps surface to surface. Flow checked and well was static. Pumped slug.
Tripped out of hole 16,047' - 7200'. Hole took proper fill and had no drag.
Pulled rotating element and installed trip nipple at 7200'.
Tripped out of hole 7200' - 158'. Hole took proper fill and had no drag. Bit was in good shape.
Laid down and racked back directional tools. Cleared and cleaned rig floor.
Picked up and made up bit, bit sub, 1 joint DP, Drill-n-Ream, 1 joint DP and string IBS.
Tripped in hole 80' to 10,984'. Filled pipe every 30 stands.
♦Note: (---NO---) Accidents / Incidents reported ☐
♦Rig Diesel: (5393) gal •Used: (1271) gal •Total Used: (39,916) gal •Rec: (0) gal. ☐
♦Mud Diesel: (2905) gal •Used: (545) gal •Total Used: (11,595) gal •Rec: (0) gal.

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 07/24/2018

G-DC : \$68,099 G-CC : \$2,512,196 DR TD : 16,047 PBTD : 0

ONE LINER: Pulled trip nipple & inst rot elem @ 10984'. Slip & cut drill line. Wash & ream lateral 11042'-16047'. Ream all doglegs 2 degrees & above. Circ. TOOH 16047'-15322'.

DAILY ACTIVITY:

Pulled trip nipple and installed rotating element at 10,984'.
Slipped and cut drill line.
Changed out Top Drive swivel packing and serviced rig.
Washed and reamed lateral 11,042' - 16,047'. Reamed all doglegs 2° and above.
Circulated sweeps surface to surface. Mixed and spotted 80 barrel bead pill in lateral. Flow checked and well was static. Pumped slug
Tripped out 16,047' - 15,322'. Hole took proper fill and had slight drag at 15,604'.worked through spot pulled slick.

♦Note: (---NO---) Accidents / Incidents reported ☐

♦Rig Diesel: (10,753) gal •Used: (1940) gal •Total Used: (41,856) gal •Rec: (7300) gal. ☐

♦Mud Diesel: (1879) gal •Used: (1026) gal •Total Used: (12,621) gal •Rec: (0) gal.

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 07/25/2018

G-DC : \$147,234 G-CC : \$2,659,430 DR TD : 16,047 PBTD : 0

ONE LINER: TOOH 15322'-80'. LD Reamer asmbly. PJSM. RU casing crew. Run Liner T/ 6095'. RD csg crew & torque turn. TIH w/ liner 6095'-10938'.

DAILY ACTIVITY:

Tripped out 15,322' - 7,114'. Hole took proper fill and had no drag. Dropped Innovex rabbit at 11,042'.
 Pulled rotating head and installed trip nipple @ 7,114'.
 Tripped out 7,114' to ' to 80'. Hole took proper fill.
 Laid down Reamer assembly. Clean floor from OBM.
 Held safety meeting with all personnel. Rigged up Pipe Pros casing crew and torque turn. Thread rep and Innovex Downhole rep on location.
 Ran float shoe, 2 joints 4-1/2", 13.5#, P110, BPN casing, float collar, landing collar, 1 joint 4-1/2", 13.5#, P110, BPN casing, Innovex Orio III Toe Sleeve, 141 joints 4-1/2", 13.5#, P110, BPN casing to 5966.93'.
 Picked up and Made up Innovex Scout liner packer, Ranger Hanger, X-O and pup joint assembly to 6004.10'.
 Picked up 1 stand of drill pipe. Made up running tool and bumper sub on bottom of stand. Ran in hole with 1 stand drill pipe and broke circulation @ 6095' with 3.3 bpm @ 440 psi.
 Rigged down Pipe Pros casing crew and torque turn.
 Tripped in hole with liner 6095' - 10,938'.
 Removed trip nipple and installed rotating element.
 Tripped in hole with liner 10,938' - 13,107'.

♦Note: (---NO---) Accidents / Incidents reported □

♦Rig Diesel: (9903) gal •Used: (850) gal •Total Used: (42,706) gal •Rec: (0) gal.□
 ♦Mud Diesel: (1879) gal •Used: (0) gal •Total Used: (12,621) gal •Rec: (0) gal.

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 07/26/2018

G-DC : \$183,256 G-CC : \$2,842,686 DR TD : 16,047 PBTD : 0

ONE LINER: TIH w/liner 13107'-16047'. Wash & circ btms up. PJSM. Set liner hanger. Cement in place. Set pkr. Circ hole clean. TOO H 10043' . ND BOP's. Prep to walk to Mesquite 102H.

DAILY ACTIVITY:

Tripped in hole with liner 13,107' to 13,125'. Filled pipe and pressured up. Pulled out 2 stands to 12,840'. Established circulation and washed down to 13,215'. Full returns and hole was slick.

Tripped in hole with liner 13,215' to 16,047'. Safety washed last 3 stands Set Depth: TOL 10,043', shoe at 16,047'. Wash and circulate bottoms up @ 3.6 bpm - 1100 psi. Max gas 0 units. PU wt. @ 240 SO wt. @ 145k.

Broke out drill pipe and dropped 1.5" Phenolic ball and seated at 2 bpm with 2000 psi. PU weight @ 240k, bumper sub opened @ 188k and 180k close. Slack off to bumper sub close. Bleed off pressure, and slack off to 85K, 60K on hanger. Pull to bumper open, slack off 60k on hanger. PU to 160k. Rotate RH 10 rounds at 10 RPM, 3k torque to ensure setting tools were free. Pull to bumper sub open + 3'. Tools free. Slack off 100k to ensure Hanger set. Opened ball seat at 3415 psi and broke circulation.

Held safety meeting with all personnel and circulated. Picked up and made up Innovex cement head.

Closed TIW valve and screw in with Top Drive. Tested lines to 8k. Pumped 30 bbls Ultra Flush @ 12.5 ppg. Cement with 577 sx Premium H + .01 pps SF + .15% ASA-301 + .20% SM + .85% CD32 + .85% BA10A + .01 gps FP6L + .15% R-21 (122 bbls, 15.6 ppg, 1.19 yield). Dropped Pump Down Plug from cement head.

Displaced with 110 bbls freshwater + sugar + 3% clay treat and 87 bbls OBM @ 11.2 ppg. Bumped plug with 1000 psi over final displacement pressure, floats held. Bled back 2.25 bbls. Begin circulate cement to surface.

Set packer and tested to 800 psi. Picked up out of top of liner. Established circulation and circulated bottoms up.

Returned 30 bbls spacer and 20 bbls cement. Stung back into liner and tested to 1500 psi.

Picked up to clear top of liner and displaced well with fresh water + 3% clay treat

Rigged down Innovex cement head and BJ Services cement equipment. Laid out Innovex cement manifold.

Tripped out of hole 10,043' to Liner hanger tool. Laid down Innovex liner hanger tool.

Cleared and cleaned rig floor.

Pulled mousehole, nipped down flowline, bled off hydraulic pressure, removed turnbuckles.

Nipped down BOP's. Installed capping flange. Prepared to walk to Mesquite 37 102H. Well ended.

♦Note: (---NO---) Accidents / Incidents reported □

♦Rig Diesel: (8640) gal •Used: (1263) gal •Total Used: (43,969) gal •Rec: (0) gal.□

♦Mud Diesel: (9208) gal •Used: (0) gal •Total Used: (12,621) gal •Rec: (7200) gal.