

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 :

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

DR DATE 06/06/2018

G-DC : \$37,563 G-CC : \$189,777 DR TD : 80 PBTD : 0

ONE LINER: PJSM. RD VFD, & festoon. Lower subs & drk, roll up winch lines. RD HYD unit & roll up hoses. RU at new location. 95% RD. 80% moved. 25% RU.

DAILY ACTIVITY:

Held Pre- Job safety meeting with Isaacs trucking and Patterson UTI.
Finish lugging down VFD, rig down festoon. Rig down and load out all suitcases. Lower subs and derrick, roll up all winch lines. Rig down hydraulic unit and roll up all hoses. Rig down ODS doghouse and load out.
Set pits, pumps and generator package. Begin lugging up electric lines to VFD. Rig up misc. backyard equip.
Run and hook up electric lines to mud pumps, connect air and water lines in suitcase. Dress derrick for move.
Pick up trash around old location.

Trucking equipment: 4 cranes - 15 haul trucks - 2 forklifts - 1 Tandem

Trucking Personnel: 34

Rig Personnel: 13

95% rigged down - 80% moved - 25% rigged up

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

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

DR DATE 06/07/2018

G-DC : \$51,028 G-CC : \$240,805 DR TD : 80 PBTD : 0

ONE LINER: PJSM. Cont prepping drk. Set sub mats & sub-base. Inst. Center steel & mud boat. RU hyd for raising drk. 100% RD. 100% moved. 60% RU.

DAILY ACTIVITY:

Held Pre- Job safety meeting with Isaacs trucking and Patterson UTI.
Continued prepping derrick for split and load onto trucks. Pull center steel, break down sub-base and walking package. Continue loading sub mats and move out.
Note: Topdrive track was not rigged down fully, had to send HPU back to old location to rig down top drive track. After loading sub-base, trucking pusher notified DSM on location that the sub-base was to tall and over weight. had to remove walking package from sub-base. Total time lost to these issues: 4 hrs.
Set sub mats and sub-base. Install center steel and set mud boat. Spot derrick and pin. Dress out derrick, roll up hydraulic lines to walking package. Rig up hydraulics for raising derrick. Run hydraulic lines to drill line spool. Pin topdrive track and spool up blocks.

Trucking equipment: 4 cranes - 10 haul trucks - 2 forklifts - 1 Tandem
Trucking Personnel: 28
Rig Personnel: 13
100% rigged down - 100% moved - 60% rigged up

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

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

DR DATE 06/08/2018

G-DC : \$48,152 G-CC : \$288,957 DR TD : 80 PBTD : 0

ONE LINER: PJSM. RU misc. equipt. RD 100%. Moved 100%. RU 80%.

DAILY ACTIVITY:

Held Pre-Job safety meeting with Isaacs trucking and Patterson UTI.
Rig up misc. equipment. Perform derrick inspection. Weld up broken handrail on derrick board. Raised derrick, sub-base and mud boat. Raise cable trays and pin to rig.
Walked rig under mud boat and pin. Install braces on mud boat and install v-door. Connect all air, water and electrical to rig floor and derrick. Bring generators on-line. Rig down hydraulic lines from mud boat. Switch hydraulic lines from walking package to rig. Install handrails around drawworks and rig floor. Hammer up suction and discharge lines to mud pumps. Rig up drillers side winch.
Note: Welder had to be called out to repair broken handrail on derrick board and mud boat.
Note: Manlift blew hose and slowed down the process of rigging up derrick. Total lost 6 hours.

Trucking equipment: 2 cranes - 4 haul trucks - 1 forklifts - 1 Tandem
Trucking Personnel: 12
Rig Personnel: 13
100% rigged down - 100% moved - 80% rigged up

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

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

DR DATE 06/09/2018

G-DC : \$39,378 G-CC : \$430,553 DR TD : 80 PBTD : 0

ONE LINER: PJSM. Cont. to RU.

DAILY ACTIVITY:

Held Pre-Job safety meeting with Isaacs trucking and Patterson UTI.
Continued to rig up misc. rig equipment. Spool up drawworks, unhang blocks, pin topdrive to blocks. Walk rig over well, centered. Run out electric lines with electrician. Rig up vibrator hoses. Finish rig up water and air lines. Dress out rig floor. Rigged up pits. Hooked up bleed off and fill up lines. Hung flowline. Rigged up trip tank lines. Filled pits with fresh water.
Welded 20" riser on conductor, install turnbuckles and centered conductor. Nipped up flowline. Connect fill up line to conductor.

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

DR DATE 06/10/2018

G-DC : \$53,042 G-CC : \$430,553 DR TD : 855 PBTD : 747

ONE LINER: Fin RU. Rot & Sld 108'-855'.

DAILY ACTIVITY:

Finished rigging up Conductor and fill lines. Rigged up PVC to Reserve pit for overboard lines and cuttings dump. Dressed out shakers. Changed out saver sub and grabber assembly from 4" DP to 5" DP. Tested Standpipe for leaks. Picked up all 5" DP handling tools.
Picked up and made up motor, monels and installed MWD. Tested motor and MWD. Made up Bit #1 12 1/4" DF bit. Picked up 1 stand of heavyweight drill pipe as Kelly joint.
Changed out 1 NMDC and 1 UBHO due to overtorque and damaged threads.
Continued picking up BHA #1.
Rotate drilled 108' - 273' (165' @ 36.6 fph). Ran reduced GPM's, WOB and RPM's to 500'.
Found washout in 6.5" collar connection. Laid down collar and replaced.
Rotate drilled 273' - 363' (90' @ 90 fph). Ran reduced GPM's, WOB and RPM's to 500'.
Slide drilled 363' - 377' (14' @ 28 fph). Ran reduced GPM's, WOB and RPM's to 500'.
Rotate drilled 377' - 484' (107' @ 142.6 fph). Slide drilled 484' - 504' (20' @ 80 fph).
Rotate drilled 504' - 578' (74' @ 98.6 fph). Slide drilled 578' - 608' (30' @ 120 fph).
Rotate drilled 608' - 669' (61' @ 244 fph). Slide drilled 669' - 689' (20' @ 80 fph).
Rotate drilled 689' - 855' (166' @ 332 fph).

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

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

DR DATE 06/11/2018

G-DC : \$49,176 G-CC : \$430,553 DR TD : 2,360 PBTD : 1,505

ONE LINER: Rot & Sld 855'-2360'. Circ sweeps. Mix & pump slug. TOO H to bit. TIH to 2322'. Wash down from 2322'-2360'. Circ

DAILY ACTIVITY:

Rotate drilled 855' - 1134' (279' @ 93 fph).
Slide drilled 1134' - 1146' (12' @ 24 fph)
Rotate drilled 1146' - 1418' (272' @ 136 fph).
Slide drilled 1418' - 1432' (14' @ 28 fph)
Rotate drilled 1432' - 1607' (175' @ 175 fph).
Slide drilled 1607' - 1621' (14' @ 28 fph)
Rotate drilled 1621' - 1795' (174' @ 116 fph).
Slide drilled 1795' - 1815' (20' @ 40 fph)
Rotate drilled 1815' - 1890' (75' @ 150 fph).
Service rig and topdrive
Rotate drilled 1890' - 2360' (470' @ 94 fph).
Circulated sweeps surface to surface. Flow checked and well was static. Mixed and pumped slug.
Calculated strokes: 3700 - Actual strokes: 5200 - 40% Washout.
Short tripped out of hole to bit. Cleaned stabilizers and bit. Hole took proper fill and had no drag. Laid down MWD.
Tripped in hole to 2322'. 38' of hole fill.
Wash down from 2322' to 2360' with full drilling parameters.
Circulated sweeps surface to surface.

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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 06/12/2018

G-DC : \$175,539 G-CC : \$606,092 DR TD : 2,360 PBTD : 0

ONE LINER: Circ sweep. TOO 2630'-1770'. TIH 1770'-2360'. PJSM. Circ & cond. Hole for cmt. POOH. Run 9 5/8" casing. Cmt w/922 scks. WOC. Washed thru cond. & FL w/sugar water. ND FL.

DAILY ACTIVITY:

Circulated sweeps surface to surface. Flow checked and well was static. Mixed and pumped slug. Tripped out 2630' - 1770' to run 9 5/8" casing. Tight spot @ 1770'. Worked thru tight spot. Tripped in hole 1770' - 2360'. Circulate and condition mud. Raise viscosity from 28 to 35. Tripped out of hole to directional tools. Hole took proper fill and had no drag. Broke down directional tools and stand back NMDC's. Brake bit and lay down motor. Cleaned and cleared rig floor. Held PJSM with PipePros, Patterson and Abraxas rep. Ran float shoe, shoe joint, float collar and 55 joints 9 5/8", 40#, J55, LTC casing to 2360'. Washed down last 10'. Circulated and conditioned hole for cementing. Held safety meeting with all personnel. Rigged down CRT and rigged up BJ Cementers. Switched lines to BJ Services cementers and tested to 3000 psi. Pumped 20 bbls fresh water ahead. Cemented with 922 sacks 50:50 Fly Ash:Premium C + 4% Gel + .005 pps Static Free + 1% SC + .005 gps FP-6L + Cmt Extender .5% (279 bbls, 12.8 ppg, 1.7 yield). Tailed in with 310 sacks Premium C + .005 gps FP-6L + .1% R-3 (73 bbls, 14.8 ppg, 1.32 yield). Dropped top plug and displaced with 175bbls fresh water. Bumped plug with 600psi over FCP. FCP: 930psi, Bump Psi: 1600psi. Held pressure for 5 minutes. Bled off pressure, returned 1.5bbls, floats held. 5 bbl cement returned. Rig down BJ cementers equipment. Waited on cement. Washed through conductor and flowline with sugar water. Nippled down flowline, fill up lines and turnbuckles. Cut off 20" conductor.

Notified TRRC of intent to run and cement 9 5/8" surface casing. Spoke with Stephanie on 6/11/18 @ 1530hrs.

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

♦Rig Diesel: (12,515)gal ♦Used: (1055)gal ♦Total Used: (3621)gal ♦Rec: (7300)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 06/13/2018

G-DC : \$7,116 G-CC : \$613,208 DR TD : 2,360 PBTD : 0

ONE LINER: Walk rig from 103 to 102. Well paused

DAILY ACTIVITY:

Cut off 20" conductor and 9-5/8" casing. Pumped down cellar and made final cuts on conductor and casing. Welded on 11" 5M x 9-5/8" SOW casing head. Tested weld on head to 1800 psi. (70% of collapse). Installed capping flange.
Prepared rig for walk from Mesquite 37 #U103H to the Mesquite 37 #102H.
Well Paused