

ABRAXAS PETROLEUM CORPORATION

Daily Drilling Report

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

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

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

GROSS AFE : \$7,895 RDMO DATE : PROD Start DATE : FINALIZED DATE :

DR DATE 03/06/2019

G-DC : \$59,835 G-CC : \$958,249 DR TD : 4,890 PBTD : 0

ONE LINER: Short trip 4300'-1433'. TIH 1433'-4890'. Circ two 40 barrel sweeps to surf. TOO H from 4890'-134'. RU csg crew & CRT. PJSM. Run casing to 4808', encounter tight spot. Currently circ btms up @ 4808'.

DAILY ACTIVITY:

Short tripped 4300' - 1433'. Hole took excessive fill and had no drag. Second short trip. Tripped in hole 1433' - 4890'. Tight hole observed at 1610', rotated pipe and spot was gone. Circulated two 40 barrel sweeps to surface and spotted Hi-Vis pill. Flow checked and pumped slug. Tripped out of hole from 4890' to 134'. Hole took excessive fill and had no drag. Racked back tools in derrick. Broke bit and laid down motor. Cleaned and cleared rig floor. Pull wear bushing. Rigged up Pipe Pros casing crew and CRT. Held safety meeting with all personnel. Ran float shoe, shoe joint, float collar and 120 joints 10-3/4", 45.5#, J55, BTC casing to 4808'. DV Tool at 2845'. Filled pipe and broke circulation at surface casing shoe. Hit tight spot at 4808'. Circulated and washed tight spot at 4808'. Hole packed off while circulating. Worked pipe free and regained circulation. Currently circulating bottoms up at 4808'.

Washed flowline and BOP Stack with sugar water.

♦Rig Diesel: (12,180) gal •Used: (1682) gal •Total Used: (11,753) gal •Rec: (7001) 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 SPRINGS WITH A 5000' LATERAL.				
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		SPUD DATE :	2/17/2019		
GROSS AFE :	\$7,895	RDMO DATE :		PROD Start DATE :	
				FINALIZED DATE :	

DR DATE 03/07/2019

G-DC : \$90,188 G-CC : \$1,048,437 DR TD : 4,890 PBTD : 0

ONE LINER: Worked csg in tight hole from 4808'-4890'. Circ & cond for cmtng. Circ 2x btms up. PJSM. RD CRT, RU cmt head. P/20bbls FW. Cmt w/470 sxs, tail in w/85 sxs. Circ btms up. Cmt w/450 sxs, tail in w/85 sxs. Wait on cmt. PJSM. ND @ wellhead.

DAILY ACTIVITY:

Worked Casing in tight hole from 4808' to 4890'. Observed excessive amounts of LCM at shakers. Circulated and conditioned hole for cementing. Circulated two bottoms up. Held safety meeting with all Personnel. Rigged down CRT and rigged up C&J services cementing head. Cement head was leaking at swedge. Attempted to change o ring and re dope threads twice. Circulated and conditioned hole for cementing while wait on new Cement head swedge. Changed out. Switched lines to C&J Services cementers and tested to 3500 psi. Pumped 20 bbls fresh water ahead. Cemented with 470 sacks Class C:POZ 50:50 + 10% Gel + .25 pps Flake + .3% Antifoam + .4% SM + 5.0% Salt (206 bbls, 11.8 ppg, 2.47 yield). Tailed in with 85 sacks Class C + .2% LT Retarder (20 bbls, 14.8 ppg, 1.33 yield). Dropped top plug and displaced with 467 barrels fresh water. Bumped plug with 500 psi over final displacement pressure. Pressured up and set packer with 2120 psi. Bled off pressure and returned 2 bbls back and floats held. Dropped bomb and waited to seat. Opened DV tool with 1100 psi. Circulated bottoms up. Returned 0 barrels cement and 0 spacer to surface. From first stage. Cement with 450 sacks Class C:POZ 50:50 + 10% Gel + .25 pps Flake + .3% Antifoam + .4% SM + 5% Salt (191 bbls, 12.0 ppg, 2.38 yield). Tailed in with 85 sacks Class C + .2% LT Retarder (20 bbls, 14.8 ppg, 1.33 yield). Dropped top plug and displaced with 273 barrels fresh water. Bumped plug with 1200 psi over final displacement pressure. Bled pressure to zero and floats held. Had full returns during entire cement job. Returned 0 cement and 10 barrels spacer to surface. Rigged down C&J Energy. Waited on cement. Flushed BOP and flowline with sugar water. Nipped down flowline, turnbuckles and fill up lines. Pulled mousehole, removed cellar covers, hooked up BOP wrangler to BOP and prepared for walk to Woodberry 3 201H. Held safety meeting with all personnel. Nipped down at wellhead to set slips.

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

♦Rig Diesel: (11,660) gal •Used: (520) gal •Total Used: (12,273) gal •Rec: (0) gal. ☐

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

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

GROSS AFE : \$7,895 RDMO DATE : PROD Start DATE : FINALIZED DATE :

DR DATE 03/08/2019

G-DC : \$218,098 G-CC : \$1,266,535 DR TD : 4,890 PBTD : 0

ONE LINER: PJSM. ND @ wellhead to set slips. Made rough cuts on csg & laid out. Set stack dwn & ND spools. Made final cut on csg. NU B-section. Tested packoff to 1600 psi. NU csg flange. Well paused.

DAILY ACTIVITY:

Held safety meeting with all personnel. Nipped down at wellhead to set slips.
Raised stack with BOP wrangler and set slips in full tension with 260k.
Made rough cut on 10-3/4" casing and laid out. Set stack down and nipped down spools. Removed spools.
Made final cut on 10-3/4" casing. Nipped up 13-5/8" 5M x 11" 5M B-section. Tested packoff to 1600 psi (80% of collapse). Nipped up capping flange.
Well paused