

Completion

WALSH ENGINEERING & PRODUCTION CORPORATION

WORKOVER AND COMPLETION REPORT

Operator: Rosetta Resources	Well Name: Tsah Tah SWD #11
Date: 12-Mar-07	Report #: 1
Field: Mesa Verde	Location: 11/24N/10W
Contractor: Mesa Well Service #211	County: San Juan
	State: NM
	Supervisor: Russell Mcquitty

Work Summary:

Move on location and rig up Mesa Well Service #211 in the afternoon. NU well head, rig up pump & pit. SDON.

Daily Costs:

Road & Location	
Rig Costs	\$1,500
Equipment Rental	
Logging & Perforating	
Stimulation	
Testing (Tracer)	
Cementing	
Completion Fluids	
Contract Services	
Miscellaneous Supplies	
Engr. & Supervision	\$400
Slick line	
Other (heat tanks)	

Tubulars	
Wellhead Equipment	
Subsurface Equipment	
Artificial Lift Equipment	
Sucker Rods	
Tanks	
Bailer	
Flowlines	
Installation/Labor	
Fittings, Valves, Etc..	
Meters, Lact, Etc..	
Electrical Equipment	

Total Daily Costs	\$1,900
Cumulative Costs	\$1,900

Well Record

TD:	4510' KB	Run in well			
PBTD:	4496' KB	Tubing	Joints	Grade	
Casing Size:	5-1/2", 15.5#	Wt	Thread	Length	
DV @ 2224' 14' KB		Tubing Subs		Length	
Perforations		Seating Nipple		Length	
		Top of tbg to KB			
		Bottom of Tubing/Production String Landed at			
SPF		Rods	Size		
		Rods	Size		
Pulled from well		Pony subs			
Tubing		Pump			
Packer		Packer Depth			
Rods		Type			
Pump		How set			

WORKOVER AND COMPLETION REPORT

Operator: Rosetta Resources	Well Name: Tsah Tah SWD #11
Date: 13-Mar-07	Report #: 2
Field: Mesa Verde	Location: 11/24N/10W County: San Juan State: NM
Contractor: Mesa Well Service #211	Supervisor: Russell McQuitty

Work Summary:

Nipped up the BOP and rigged up floor. Picked up a 4-3/4" cone bit on six 3-1/8" drill collars and a 2-3/8" workstring. Tagged the cement top at 2185' KB. Picked up the swivel and drilled the cement and stage tool at 2224'. Circulated the hole clean. TIH and tagged cement at 4480', picked up swivel and drilled cement to PBTD at 4496'KB, circulated hole clean. Tested casing and DV tool to 1100psi, good test. TOO H and SDON.

Daily Costs:

Road & Location		Tubulars	
Rig Costs	\$3,800	Wellhead Equipment	
Equipment Rental		Subsurface Equipment	
Logging & Perforating		Artificial Lift Equipment	
Stimulation		Sucker Rods	
Testing (Tracer)		Tanks	
Cementing		Bailer	
Completion Fluids	\$200	Flowlines	
Contract Services		Installation/Labor	
Miscellaneous Supplies		Fittings, Valves, Etc..	\$450
Engr. & Supervision	\$800	Meters, Lact, Etc..	
Trucking	\$2,250	Rentals	\$150
Other (heat tanks)			
		Total Daily Costs	\$7,650
		Cumulative Costs	\$9,550

Well Record

TD:	4510' KB	Run in well			
PBTD:	4496' KB	Tubing	Joints	Grade	
Casing Size:	5-1/2", 15.5#	Wt	Thread	Length	
DV @ 2224' 14' KB		Tubing Subs		Length	
Perforations		Seating Nipple		Length	
		Top of tbg to KB			
		Bottom of Tubing/Production String Landed at:			
SPF		Rods	Size		
		Rods	Size		
Pulled from well		Pony subs			
Tubing		Pump			
Packer		Packer Depth			
Rods		Type			
Pump		How set			

WORKOVER AND COMPLETION REPORT

Operator: Rosetta Resources	Well Name: Tsah Tah SWD #11
Date: 14-Mar-07	Report #: 3
Field: Mesa Verde	Location: 11/24N/10W County: San Juan State: NM
Contractor: Mesa Well Service #211	Supervisor: Russell McQuitty

Work Summary:

Rigged up Blue Jet and ran cased hole gamma ray / casing collar locator log from PBD (loggers TD was 4492' KB) to 2200'. Correlated cased hole logs with open hole logs and perforated Point Lookout at 4181' KB, Menefee at 3645' KB and the La Ventana (Cliffhouse) at 2469' KB at 2 spf (0.34", total of 6 holes). Rigged down wireline. Picked up a 5-1/2" RBP, retrieving head, seating nipple, one joint of 2-3/8" tubing, and a 5-1/2" packer. TIH on 2-3/8" tubing and set the RBP at 4281' KB, pulled up hole and set packer at 4173' KB (packing elements), seating nipple is at 4209' KB. Picked up swab tools. Initial fluid level at 200', swabbed to 4000' in 5 runs. Made a total of 7 runs, hesitating 1 hr between 6th and 7th, and swabbed a total of 14.9 bbls. Runs 6 & 7 we recovered no fluid. SDON. We will continue swabbing until reaching formation fluids at approx 17bbls recovered.

Daily Costs:

Road & Location		Tubulars	
Rig Costs	\$3,800	Wellhead Equipment	
Equipment Rental		Subsurface Equipment	
Logging & Perforating	\$2,185	Artificial Lift Equipment	
Stimulation		Sucker Rods	
Testing (Tracer)		Tanks	
Cementing		RBP/ Pkr	\$3,185
Completion Fluids		Flowlines	
Contract Services		Installation/Labor	
Miscellaneous Supplies		Fittings, Valves, Etc..	
Engr. & Supervision	\$800	Meters, Lact, Etc..	
Trucking		Rentals	\$150
Other (heat tanks)			
		Total Daily Costs	\$10,120
		Cumulative Costs	\$19,670

Well Record

TD:	4510' KB	Run in well			
PBD:	4496' KB	Tubing		Joints	
Casing Size:	5-1/2", 15.5#	Wt		Thread	
	DV @ 2224' 14' KB	Grade		Length	
Perforations:	2469' ; 3645' ; 4181'	Tubing Subs		Length	
		Seating Nipple		Length	
		Top of tbg to KB			
		Bottom of Tubing/Production String Landed at:			
SPF:		Rods		Size	
		Rods		Size	
Pulled from well		Pony subs			
Tubing		Pump			
Packer		Packer Depth			
Rods		Type			
Pump		How set			

WORKOVER AND COMPLETION REPORT

Operator: Rosetta Resources	Well Name: Tsah Tah SWD #11
Date: 15-Mar-07	Report #: 4
Field: Mesa Verde	Location: 11/24N/10W County: San Juan State: NM
Contractor: Mesa Well Service #211	Supervisor: Russell McQuitty

Work Summary:

(Pt. Lookout, perms at 4181'KB) Ran in with swab tools, made 6 runs and recovered 3.1 bbls of fluid, collected samples on runs #5 & #6. Unset packer, TIH and retrieved RBP. Pulled up hole and set RBP at 3728'KB, pulled up hole and set packing elements at 3620'KB with seating nipple at 3656'KB.

(Menefee, perms at 3645'KB) Ran in with swab tools, made 9 runs and recovered 25bbls of fluid, collected samples on last 3 runs. Unset packer, TIH and retrieved RBP. Pulled up hole and set RBP 2558'KB, pulled up hole and set packing elements at 2450'KB with seating nipple at 2483'KB.

(La Ventana, perms at 2469'KB) Ran in with swab tools, made 10 runs and recovered 18bbls of fluid, collected samples on last 2 runs. Unset packer, TIH and retrieved RBP. TOO H with packer and RBP. Shut in well and SDON. We will LD Tbg and DC's out of derrick, rig down and MOL in A.M.

Daily Costs:

Road & Location	
Rig Costs	\$3,800
Equipment Rental	
Logging & Perforating	
Stimulation	
Testing (Tracer)	
Cementing	
Completion Fluids	
Contract Services	
Miscellaneous Supplies	
Engr. & Supervision	\$800
Trucking	
Other (heat tanks)	

Tubulars	
Wellhead Equipment	
Subsurface Equipment	
Artificial Lift Equipment	
Sucker Rods	
Tanks	
RBP/ Pkr	\$1,210
Flowlines	
Installation/Labor	
Fittings, Valves, Etc..	
Meters, Lact, Etc..	
Rentals	\$150

Total Daily Costs	\$5,960
Cumulative Costs	\$25,630

Well Record

TD:	4510' KB	Run in well			
PBTD:	4496' KB	Tubing	Joints	Grade	
Casing Size:	5-1/2", 15.5#	Wt	Thread	Length	
DV @ 2224' 14' KB		Tubing Subs		Length	
Perforations	2469' ; 3645' ; 4181'	Seating Nipple		Length	
		Top of tbg to KB			
		Bottom of Tubing/Production String Landed at			
SPF:		Rods	Size		
		Rods	Size		
Pulled from well		Pony subs			
Tubing		Pump			
Packer		Packer Depth			
Rods		Type			
Pump		How set			

WORKOVER AND COMPLETION REPORT

Operator: Rosetta Resources	Well Name: Tsah Tah SWD #11
Date: 16-Mar-07	Report #: 5
Field: Mesa Verde	Location: 11/24N/10W County: San Juan State: NM
Contractor: Mesa Well Service #211	Supervisor: Russell McQuitty

Work Summary:

TIH with 2-3/8" tbg out of derrick and LD singles on trailer. LD DC's. Wait for call on water analysis to verify formation fluids. Water sample analysis; (Pt. Lookout perfs at 4181'; TDS=22953, Potassium=570); (Menefee perfs at 3645'; TDS=25175.5, Potassium=11); (La Ventana (Cliffhouse) perfs at 2469'; TDS=16567, Potassium=38). ND BOP, install mandrel in well head and shut well in. Rig down and released Mesa Well Service rig #211.

Daily Costs:

Road & Location	
Rig Costs	\$3,200
Equipment Rental	
Logging & Perforating	
Stimulation	
Testing (Tracer)	
Cementing	
Completion Fluids	
Contract Services	
Miscellaneous Supplies	
Engr. & Supervision	\$800
Trucking	
Other (heat tanks)	

Workstring Rental	\$2,500
Wellhead Equipment	\$1,695
Drill Collar Rental	\$3,200
Artificial Lift Equipment	
Sucker Rods	
Tanks	
RBP/ Pkr	
Flowlines	
Installation/Labor	
Fittings, Valves, Etc..	
Meters, Lact, Etc..	
Rentals	\$150

Total Daily Costs	\$11,545
Cumulative Costs	\$37,175

Well Record

TD:	4510' KB	Run in well			
PBTD:	4496' KB	Tubing	Joins	Grade	
Casing Size:	5-1/2", 15.5#	Wt	Thread	Length	
	DV @ 2224' 14' KB	Tubing Subs		Length	
Perforations	2469' ; 3645' ; 4181'	Seating Nipple		Length	
		Top of tbg to KB			
		Bottom of Tubing/Production String Landed at			
SPF:		Rods	Size		
		Rods	Size		
Pulled from well		Pony subs			
Tubing		Pump			
Packer		Packer Depth			
Rods		Type			
Pump		How set			