

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 County: San Juan State: NM
Contractor:	Mesa Well Service #211	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
Equipment Rental
Logging & Perforating
Stimulation
Testing (Tracer)
Cementing
Completion Fluids
Contract Services
Miscellaneous Supplies
Engr. & Supervision
Slick line
Other (heat tanks)

\$1,500
\$400

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
Cumulative Costs

\$1,900
\$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:

Nippled 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. TOOH and SDON.

Daily Costs:

Road & Location	
Rig Costs	\$3,800
Equipment Rental	
Logging & Perforating	
Stimulation	
Testing (Tracer)	
Cementing	
Completion Fluids	\$200
Contract Services	
Miscellaneous Supplies	
Engr. & Supervision	\$800
Trucking	\$2,250
Other (heat tanks)	

Tubulars	
Wellhead Equipment	
Subsurface Equipment	
Artificial Lift Equipment	
Sucker Rods	
Tanks	
Bailer	
Flowlines	
Installation/Labor	
Fittings, Valves, Etc..	\$450
Meters, Lact, Etc..	
Rentals	\$150

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		Sealing Nipple		Length	
		Top of tbg to KB			
		Bottom of Tubing/Production String Landed at:			
SPF:		Rods	Size		
		Rods	Size		
		Pony subs			
Pulled from well		Pump			
Tubing		Packer Depth			
Packer		Type			
Rods		How set			
Pump					

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 PBTD (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
 Rig Costs
 Equipment Rental
 Logging & Perforating
 Stimulation
 Testing (Tracer)
 Cementing
 Completion Fluids
 Contract Services
 Miscellaneous Supplies
 Engr. & Supervision
 Trucking
 Other (heat tanks)

	\$3,800
	\$2,185
	\$800

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

	\$3,185
	\$150

Total Daily Costs \$10,120
Cumulative Costs \$19,670

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:	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, perfs 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, perfs 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, perfs 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. TOOH 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
Equipment Rental
Logging & Perforating
Stimulation
Testing (Tracer)
Cementing
Completion Fluids
Contract Services
Miscellaneous Supplies
Engr. & Supervision
Trucking
Other (heat tanks)

\$3,800
\$800

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

\$1,210
\$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		
		Pony subs			
Pulled from well		Pump			
Tubing		Packer Depth			
Packer		Type			
Rods		How set			
Pump					

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	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			