Completion

WALSH ENGINEERING & PRODUCTION CORPORATION

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WORKOVER AND COMPLETION REPORT

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Operator:	Rosetta Resources	Well Name:		Tsah Tah S	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 Mo	cquitty		
Work Sumn		· · · · · · · · · · · · · · · · · · ·					
Move on SDON.	location and rig up Mesa Well	Service #211 in the af	ternoon.	NU well he	ad, rig up	pump & p	it.
Daily Costs	:						
Road & Locatio			Tubulars				
Rig Costs	\$1,50	0	Wellhead Ed			4	
Equipment Ren		4	Subsurface			4	
Logging & Perfe	orating	4	Artificial Lift		L	- ·	
Stimulation			Sucker Rod	6		4	
Testing (Tracer)		Tanks		ļ	4	
Cementing		4	Bailer			4	
Completion Flui		_	Flowlines			4	
Contract Servic		_	Installation/L			-	
Miscellaneous S			Fittings, Val		ļ	-{	
Engr. & Supervi Slick line	ision \$40		Meters, Lact				
Other (heat tank	(5)	-1	Electrical Ec	upment		4	
Other (heat tank			Total Dail	v Costs	\$1,900	7	
			Cumulativ	-	\$1,900		
		,	Qumulativ	6 00313	φ1,300	1	
		Well Record					
TD	4510' KB			Run in well			
PBTD:	4496' KB	Tubing	<u> </u>	Joints		Grade	
Casing Size:	20100000 <u>00000</u> 0000000000000000000000000	Wt		Thread		Length	
	DV @ 2224' 14' KB	Tubing Subs			1	Length	
Perforations		Seating Nipple				Length	
					Top of the		
			Bottom of Tu	bing/Production			
SPF		Rods		Size			L
		Rods		Size			
	Pulled from well	Pony subs					
Tubing		Pump					
Packer		Packer Depth					
Rods		Туре					
Pump		How set					

WALSH ENGINEERING & PRODUCTION CORPORATION

а Б

Packer

Rods

Pump

WORKOVER AND COMPLETION REPORT

Operator:	Rosetta Resources	Well Name:		Tsah Tah	SWD #11	
Date:	13-Mar-07	Report #:		2		
-ield:	Mesa Verde	Location: 11/24N/10W	County:	San Juan	State:	NM
Contractor:	Mesa Well Service #211	Supervisor:		Russell Mo	Quitty	
Nork Sum						
workstri 2224'. C	up the BOP and rigged up floor ng. Tagged the cement top at 21 Firculated the hole clean. TIH an KB, circulated hole clean. Test	185' KB. Picked up the nd tagged cement at 44	swivel an 30', picked	d drilled th d up swivel	e cement and drill	and stage tool at ed cement to PBTD
		· · ·				
Daily Cost	s:					
Road & Local	ion		Tubulars			
Rig Costs	\$3,80	0	Wellhead Eq	Juipment		
quipment Re	ental		Subsurface I	Equipment		1
ogging & Pe	rforating		Artificial Lift	Equipment		
timulation			Sucker Rods	5		7
esting (Trac	er)		Tanks			-
Cementing	· · · · · · · · · · · · · · · · · · ·	7	Bailer			
ompletion F	luids \$200	0	Flowlines		<u> </u>	7
Contract Serv			Installation/L	abor		
liscellaneous	s Supplies	1	Fittings, Valv	ves, Etc	\$45	0
ingr. & Supe		0,	Meters, Lact			-
rucking	\$2,250	0	Rentals		\$15	D
Other (heat ta	nks)				L	
			Total Dail	y Costs	\$7,650	
			Cumulativ	/e Costs	\$9,550	
		Well Record				_
D:	4510' KB			Run in wel		
BTD:	4496' KB	Tubing		Joints		Grade
asing Size	5-1/2", 15.5#	Wt		Thread		Length
	DV @ 2224' 14' KB	Tubing Subs				Length
erforations		Seating Nipple				Length
<u></u>					Top of the	
	<u></u>	┥ ┝━━━━━	Bottom of Tu	bing/Production		
PE:	8 · · · · · · · · · · · · · · · · · · ·	Rods		Size		
F.4.2	88	Rods	L	Size		
	Pulled from well	Pony subs	<u> </u>	9 <u>7</u> 6	<u> </u>	
dene e						
ubing	×	Pump	1			

Packer Depth

Type How set VALSH ENGINEERING & PRODUCTION CORPORATION

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 0	County: San Juan State: NM
Contractor:	Mesa Well Service #211	Supervisor:	Russell McQuitty

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	
Miscelianeous Supplies	
Engr. & Supervision	
Trucking	
Other (heat tanks)	

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

Tubulars	
Wellhead Equipment	Γ
Subsurface Equipment	Γ
Artificial Lift Equipment	Γ
Sucker Rods	Γ
Tanks	Γ
RBP/ Pkr	Γ
Flowlines	Γ
Installation/Labor	
Fittings, Valves, Etc	Γ
Meters, Lact, Etc.	Ľ
Rentals	
Total Daily Costs	Г

Total Daily Costs Cumulative Costs

	_
\$10,120	
\$19,670	1

\$150

\$3,185

TD		4510' KB	T
PBTD:		4496' KB	1
Casing S	ize:	5÷1/2", 15.5#	
	DV @ 2224'	14' KB	
Perforations	2469' ; 3645'	' ; 4181'	
SPF:			1
· · · · · · · · · · · · · · · · · · ·	200 <u>0000</u>		
			1
·	Pulled from	well	
 Tubing	Pulled from	well	
Tubing Packer	Pulled from	well	
	Pulled from	well	

Well Record

	Run in well	
Tubing	Joints	Grade
WI	Thread	Length
Tubing Subs		Length
Seating Nipple		Length
	Тор	of tbg to KB
Botto	m of Tubing/Production String	Landed at:
Rods	Size	
Rods	Size	
Pony subs		
Pump		
Packer Depth		
Туре		
How set		

VALSH ENGINEERING & PRODUCTION CORPORATION

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 Mo	cQuitty		
Work Sum		Supervisor.		Russell Mi			

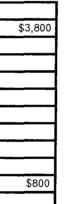
(Pt. Lookout, perfs at 4181'KB)Ran in with swab tools, made 6 runs and recovered 3.1 bbls of fluid, collected samples on runs #5 & #6. Unset packer, TIH and retrieved RBP. Pulled up hole and set RBP at 3728'KB, pulled up hole and set packing elements at 3620'KB with seating nipple at 3656'KB.

(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)	



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

Total Daily Costs Cumulative Costs

\$5,960	1
\$25,630	1

\$150

\$1,210

	V	veli Record		
TD:	4510' KB		Run in well	
PBTD:	4496' KB	Tubing	Joints	Grade
Casing Size:	5-1/2", 15.5#	Wt	Thread	Length
DV @ 222	24' 14' KB	Tubing Subs		Length
Perforations 2469' ; 3645' ; 4181'		Seating Nipple		Length
			Тор	of tbg to KB
		Be	ottom of Tubing/Production String	Landed at
SPF:		Rods	Size	
		Rods	Size	
Pulled f	rom well	Pony subs		
Tubing		Pump		
Packer		Packer Depth		
Rods		Туре		
Pump		How set		

Well Record

WORKOVER AND COMPLETION REPORT

	Rosetta Resources	Well Name:	Tsah Tah SWD #11	
Date:	16-Mar-07	Report #:	5	
Field:	Mesa Verde	Location: 11/24N/10W Count		NM
Contractor:	Mesa Well Service #211	Supervisor:	Russell McQuitty	
Nork Sum		······································		
TI	H with 2-3/8" tbg out of deri	rick and LD singles on trailer. LI	DC's. Wait for call on	water analysis to
verify fo	rmation fluids. Water sampl	e analysis; (Pt. Lookout perfs at 4	181'; TDS=22953, Potas	ssium=570);
(Menefe	e perfs at 3645'; TDS=2517	5.5, Potassium=11); (La Ventana	(Cliffhouse) perfs at 246	9'; TDS=16567,
Potassiu	m=38). ND BOP, install ma	andrel in well head and shut well	n. Rig down and release	ed Mesa Well
Service 1	rig #211.		-	
	0			
Daily Cost	s:			
Road & Locat	tion	Workstri	ng Rental \$2,500	
Rig Costs	\$	3,200 Wellhea	Equipment \$1,695	
Equipment Re	ental	Drill Coll	ar Rental \$3,200	
.ogging & Pe	rforating	Artificial	Lift Equipment	
Stimulation		Sucker	lods	
	er)	Tanks	Rods	
esting (Trac	er)			
Testing (Trac Cementing		Tanks		
Festing (Trac Cementing Completion F	luids	Tanks RBP/ Pk		
Stimulation Testing (Trac Cementing Completion F Contract Serv Miscellaneous	luids /ices	Tanks RBP/ Pk Flowline Installati		
Testing (Trac Cementing Completion F Contract Serv Aiscellaneous	luids /ices s Supplies	Tanks RBP/ Pk Flowline Installati Fittings,	on/Labor	
Festing (Trac Cementing Completion F Contract Serv	luids /ices s Supplies	Tanks RBP/ Pk Flowline Installati Fittings,	s on/Labor Valves, Etc	
Festing (Trac Cementing Completion F Contract Serv Aiscellaneous Engr. & Supe	luids vices s Supplies	Tanks RBP/ Pk Flowline Installati Fittings, \$800	on/Labor Valves, Etc	
Festing (Trac Cementing Completion F Contract Serv Aiscellaneous Engr. & Supe Frucking	luids vices s Supplies	Tanks RBP/ Pk Flowline Installati Fittings, \$800 Meters, Rentals	on/Labor Valves, Etc	

TD:		4510' KB
PBTD:		4496' KB
Casing Size	9:	5-1/2", 15.5#
	DV @ 2224' 1	4' KB
Perforations	2469' ; 3645'	; 4181'
SPF:		· · · · · · · · · · · · · · · · · · ·
	Pulled from w	/ell
Tubing		
Packer		
Rods		
Pump		

Well Record

	Run in well	
Tubing	Joints	Grade
Wt	Thread	Length
Tubing Subs		Length
Seating Nipple		Length
	Тор с	of tbg to KB
	Bottom of Tubing/Production String L	anded at:
Rods	Size	
Rods	Size	
Pony subs		
Pump		
Packer Depth		
Туре		
How set		