

**Williams Production RMT Company
Operations Summary Report**

Legal Well Name: CTR 324-28-597
Common Well Name: TR 324-28-597

Spud Date: 1/27/2009

Contractor Name: Nabors Drilling
Rig Name: Nabors

Start:
Rig Release: 02/09/2009
Rig Number: 109

End:
Group:

Date	From-To	Hours	Code	Sub Code	Description of Operations
1/27/2009	6:00 - 6:30	0.50	01		SKID RIG TO CTR 324-28-597
	6:30 - 8:30	2.00	14		WELD & NIPLLE UP COND.
	8:30 - 9:30	1.00	01		LEVEL RIG & SKATE
	9:30 - 11:00	1.50	14		NIPLLE UP FLOW LINE
	11:00 - 14:00	3.00	06	07	M/U 8"TOOLS & MOTOR,M/U BIT
	14:00 - 15:00	1.00	02		DRILL
	15:00 - 19:30	4.50	21		GYRO TOOL WOULD NOT GO THROUGH 8" TOOLS.HAD TO L/D 8" TOOLS
	19:30 - 0:00	4.50	02		DRILL,580GPM
1/28/2009	0:00 - 8:00	8.00	02		DRILL,GYRO SURVEYS
	8:00 - 11:30	3.50	06	06	POOH,L/D GYRO TOOLS,P/U 8"TOOLS&MWD TOOL
	11:30 - 14:00	2.50	02		DRILL,700 GPM
	14:00 - 15:00	1.00	05		CIRC.COND.BUILD VOL.AIR ON HOLE 2400 CFM
	15:00 - 16:00	1.00	02		DRILL
	16:00 - 16:30	0.50	07		RIG SERVICE
	16:30 - 0:00	7.50	02		DRILL
1/29/2009	0:00 - 15:30	15.50	02		DRILL,418 GPM,4200 CFM DN.DRILL PIPE
	15:30 - 16:00	0.50	07		RIG SERVICE
	16:00 - 23:30	7.50	02		DRILL,TD SURFACE
	23:30 - 0:00	0.50	05		CIRC.COND.MUD F/CASING
1/30/2009	-	-	-	-	-
	0:00 - 1:30	1.50	05		CIRC.COND.MUD & HOLE F/CASING
	1:30 - 5:30	4.00	12		POOH,L/D DIR.TOOLS
	5:30 - 7:00	1.50	12		HSM,R/U CASING CREW
	7:00 - 14:00	7.00	12		RUN 60 JTS 9.625 36# J-55 SURFACE CASING SET@2566',RAN 80 JTS 1.9 2.76 J-55 PARASITE TUBING
	14:00 - 14:30	0.50	12		RIG DN. CASING CREW
	14:30 - 15:30	1.00	05		PUMP 200 BBLS MUD DN.CASING
	15:30 - 17:00	1.50	12		HSM,R/U HALLIBURTON
	17:00 - 21:30	4.50	12		CMT.SURFACE CASING,20 BBL H2OSPACER,LEAD 1000 SX 413.2 BBLS,12.3 PPG,2.38 YLD.,11.8 GAL/SK H2O,TAIL 250SX 80 BBLS 12.6 PPG,2.16 YLD.,10.58 GAL/SK H2O,PUMP RATE 5 BPM,DISPL.196.6 H2O PUMP 5 BPM,LAST 5 BBLS 2BPM LIFT PRESS.180 PSI,BUMP PLUG 680 PSI,FLOAT HELD,NO CMT.TO SURFACE
	21:30 - 0:00	2.50	13		W.O.C. 4 HRS.
1/31/2009	0:00 - 1:30	1.50	13		WOC
	1:30 - 2:30	1.00	12		TOPOUT#1,5 BBLS SUPERFLUSH,200SX,15.8 PPG,1.5 YLD.,5 GAL/SK H2O,2% CAL/CHROL,NO CMT T/SURFACE
	2:30 - 4:30	2.00	13		WOC
	4:30 - 5:30	1.00	12		TOPOUT#2,5 BBLS SUPERFLUSH,150SX,15.8 PPG,1.5 YLD.,5 GAL/SK H2O,2% CAL/CHROL,NO CMT T/SURFACE
	5:30 - 6:30	1.00	13		WOC
	6:30 - 7:30	1.00	12		TOPOUT#3,5 BBLS SUPERFLUSH,150SX,15.8 PPG,1.5 YLD.,5 GAL/SK H2O,2% CAL/CHROL,NO CMT T/SURFACE
	7:30 - 10:30	3.00	13		WOC,SLACK OFF,CUT CONDUCTOR & CASING
	10:30 - 11:30	1.00	12		TOPOUT#4,5 BBLS SUPERFLUSH,150SX,15.8 PPG,1.5 YLD.,5 GAL/SK H2O,2% CAL/CHROL,NO CMT.T/SURFACE
	11:30 - 13:00	1.50	13		WOC
	13:00 - 14:00	1.00	12		TOPOUT#5,5 BBLS SUPERFLUSH,123SX,15.8 PPG,1.5 YLD.,5 GAL/SK H2O,2%CAL/CHROL,CMT.T/SURFACE
	14:00 - 14:30	0.50	12		R/U DN. HALLIBURTON

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Date	From-To	Hours	Code	Sub Code	Description of Operations
2/1/2009	14:30 -17:00	2.50	14		WELD ON WELL HEAD
	17:00 -23:30	6.50	14		NIPPLE UP BOPE
	23:30 - 0:00	0.50	15		HSM,R/U TESTER
2/2/2009	0:00 - 0:30	0.50	15		TEST STACK,LEAK @ADPTER & SPOOL
	0:30 - 3:30	3.00	14		NIPPLE DN,CHANGE OUT API RING @ SPOOL
	3:30 - 8:00	4.50	15		TEST BOPE
	8:00 -10:30	2.50	06	06	P/U DRILL PIPE & STAND BACK
	10:30 -12:00	1.50	06	06	L/D 8"DIR,TOOLS IN DERRICK
	12:00 -16:00	4.00	06	06	P/U 5000'DRILL PIPE,STAND BACK
	16:00 -18:30	2.50	06	07	P/U M/U 6"DIR TOOLS,SCRIB & ORIENT TOOL,M/U BIT
	18:30 -19:30	1.00	06	06	TRIP IN HOLE
	19:30 -20:00	0.50	14		INSTALL ROT.HD
	20:00 -20:30	0.50	03		C/O CMT.DRILL OUT FLOAT EQUIP.& SHOE,DRILL 15'
	20:30 -21:00	0.50	16		F.I.T.AMW 8.9 EMW 10.7 HELD 250 PSI 15 MINS
	21:00 - 0:00	3.00	02		DRILL
	0:00 -15:00	15.00	02		DRILL
	15:00 -15:30	0.50	07		RIG SERVICE
	2/3/2009	15:30 - 0:00	8.50	02	
0:00 -16:00		16.00	02		DRILL
16:00 -16:30		0.50	07		RIG SERVICE
2/4/2009	16:30 - 0:00	7.50	02		DRILL
	0:00 - 7:00	7.00	02		DRILL,349 GPM,3200 CFM DN.DRILL PIE,1200 CFM ON PARA.
	7:00 - 8:00	1.00	21		CHANGE ROT HD.
2/5/2009	8:00 -13:00	5.00	02		DRILL
	13:00 -14:30	1.50	07		RIG SERVICE,CHANGE OIL FILTER ON TOP DRIVE,GREASE CROWN & BLOCKS
	14:30 -15:30	1.00	02		DRILL
	15:30 -16:00	0.50	08	04	TOPDRIVE TECHS.READ & ADJ.PRESSURES ON TOP DRIVE,DOWN TIME
	16:00 -19:30	3.50	02		DRILL
	19:30 -21:00	1.50	05		CIRC.COND.MUD,POOH,BIT FAILURE
	21:00 - 0:00	3.00	06	01	POOH,BIT FAILURE
	0:00 - 5:00	5.00	06	01	POOH,BIT FAILURE
	5:00 - 6:00	1.00	06	01	CHANGE OUT BIT & MOTOR
	6:00 -10:00	4.00	06	01	TIH
2/6/2009	10:00 -10:30	0.50	05		BREAK CIRC.UNLOAD HOLE
	10:30 -15:00	4.50	02		DRILL
	15:00 -16:00	1.00	21		TROUBLE SHOOT MWD TOOL
	16:00 - 0:00	8.00	02		DRILL
	0:00 -13:00	13.00	02		DRILL,349 GPM,3200 CFM DN.DP,1200 ON PARA.
	13:00 -13:30	0.50	07		RIG SERVICE
2/7/2009	13:30 - 0:00	10.50	02		DRILL
	0:00 - 3:00	3.00	02		DRILL,349 GPM,3200 CFM DN.DP,1200 CFM ON PARA.
	3:00 - 4:30	1.50	21		WORK BIT WONT DRILL
	4:30 -10:30	6.00	06	01	POOH,BIT FAILURE
	10:30 -12:00	1.50	09		SLIP & CUT DRILL LINE 130'
	12:00 -13:00	1.00	06	01	P/U M/U BIT & MOTOR,SCRIB & ORIENT TOOL
	13:00 -17:30	4.50	06	01	TIH
	17:30 -18:30	1.00	05		BREAK CIRC.UNLOAD HOLE
	18:30 -19:30	1.00	21		CHANGE GASKET IN ROT.HD. BOWL
	19:30 -22:30	3.00	02		DRILL

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Date	From-To	Hours	Code	Sub Code	Description of Operations
2/8/2009	22:30 - 23:00	0.50	07		RIG SERVICE
	23:00 - 0:00	1.00	02		DRILL
	0:00 - 1:00	1.00	02		DRILL,BOXBERGERER GEOLOGIICAL SERVICES CALLED TD@9185'
	1:00 - 4:30	3.50	05		CIRC.COND.HOLE F/LOGS
	4:30 - 7:00	2.50	06	06	WIPER TRIP ,T/4295 BACK IN TO 6875
2/9/2009	7:00 - 13:00	6.00	06	05	POOH,L/D 6"DIR. TOOLS
	13:00 - 15:00	2.00	11		HSM,R/U SCHLUMBERGER LOGGERS
	15:00 - 0:00	9.00	11		RUN OPEN HOLE LOGS,PEX-A-150-BSKT & FMI
	0:00 - 4:00	4.00	11		LOGGING
	0:00 -		21		RIG RELEASED @ 23:59 02/09/2009
	4:00 - 4:30	0.50	11		RIG DN LOGGERS
	4:30 - 5:00	0.50	21		PULL WEAR RING
	5:00 - 5:30	0.50	21		SAFETY MTG W/ CASING CREW
	5:30 - 6:00	0.50	12		RIG UP CASING CREW
	6:00 - 10:30	4.50	12		RUN 4.5" CASING 219 JTS (9167') 11.6#, I-80, LANDED @ 9164' RAN 31 CENTRILIZERS, BTM 3 JTS & EVERY 3rd JT TILL GONE FILL PIPE
	10:30 - 11:00	0.50	05		
	11:00 - 15:00	4.00	12		RUN 4.5" CASING
	15:00 - 17:00	2.00	05		CIRC
	17:00 - 18:00	1.00	12		RIG DN CASING CREW
	18:00 - 19:00	1.00	05		CIRC
19:00 - 19:30	0.50	21		SAFETY MTG W/ CEMENTERS	
19:30 - 22:00	2.50	12		CEMENT W/ LEAD 128 SX POZ/G 12.7#, TAIL 461 SX POZ/A 13.5# DISPLACE W/ 142 BBLs H2O, WEATHERFORD FLOATS HELD	
22:00 - 22:30	0.50	12		RIG DN CEMENTERS	
22:30 - 23:00	0.50	21		REMOVE ROT. HEAD	
23:00 - 23:30	0.50	21		SET SLIPS W/ 100K	
23:30 - 0:00	0.50	01		RIG DN FOR SKID TO CTR 513-28-597	
7/29/2009	-		LOC	1	2/08/09- Schlumberger Ran Gamma Log 3/23/09- Halliburton Ran CBL 7/18 thru 7/24- Construction department built and line frac pit 7/25/09- Filled frac pit to 1/2 capacity for Hydrotest 7/26 thru 7/28- Monitored water level with no change, Hydrotest good
	0:00 - 8:00	8.00	WSI	1	No activity
	8:00 - 10:00	2.00	PUMP	1	Test Casing to 6000 psi Test Manifold to 3500 psi
	10:00 - 11:00	1.00	LOC	4	MIRU RMWS to shoot DFIT holes
	11:00 - 12:00	1.00	PERF	1	RIH w gun to shoot 1- 5 shot selection @ 8857
	12:00 - 13:30	1.50	STIM	2	RU to pump DFIT Pump DFIT Break @ 3.6 bpm @ 2461 psi 9 bbl pumped @ 3.6 bpm @ 1393 psi 20 bbl pumped @ 3.6 bpm @ 1478 psi 24 bbl pumped @ 3.6 bpm @ 1483 psi ISIP 1270 psi Recorded fall off pressure for 1 hr: 5 min - 1010 psi 10 min - 904 psi 15 min - 833 psi 30 min - 697 psi 45 min - 615 psi 1 hr - 560 psi
7/30/2009	13:30 - 0:00	10.50	WSI	1	WSI for 36 hr DFIT test
7/30/2009	0:00 - 0:00	24.00	LOC	1	Prep for frac
7/31/2009	0:00 - 8:00	8.00	WSI	1	Finish DFIT shut in
	8:00 - 9:30	1.50	PERF	1	Perf remaining 5 zones of the Corcoran 18 holes
	9:30 - 0:00	14.50	LOC	1	prep for frac
8/1/2009	0:00 - 0:00	24.00	LOC	1	prep for frac

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Date	From-To	Hours	Code	Sub Code	Description of Operations	
8/2/2009	0:00 - 0:00	24.00	LOC	1	prep for frac	
8/3/2009	0:00 - 8:08	8.13	WSI	1	Shut in	
	8:08 - 9:28	1.33	STIM	2	frac corcoran	
	9:28 - 0:00	14.53	PROD	1	flowback	
8/4/2009	0:00 - 10:00	10.00	PROD	1	flowback	
	10:00 - 14:00	4.00	MIRU	2	RU Monument well	
8/5/2009	14:00 - 0:00	10.00	PROD	1	flowback	
	0:00 - 6:00	6.00	PROD	1	flowback	
	6:00 - 9:00	3.00	WSI	1	shut in	
	9:00 - 9:30	0.50	PUMP	4	flush	
	9:30 - 11:45	2.25	PLUG	2	set plug and spot cmt on top	
	11:45 - 13:00	1.25	PUMP	1	hold 1000 psi on plug and pressure test 5000 psi	
	13:00 - 13:45	0.75	PERF	1	perf cozette	
	13:45 - 14:20	0.58	PUMP	3	7 1/2 % acid ballout	
	14:20 - 0:00	9.67	PROD	1	flowback	
	8/6/2009	0:00 - 7:30	7.50	PROD	1	flowback
7:30 - 7:45		0.25	WELL	2	pump 50 bbl	
7:45 - 8:30		0.75	MIRU	1	ND frac head - NU BOP	
8:30 - 15:15		6.75	RIH	1	RIH / packer	
15:15 - 16:30		1.25	PUMP	4	RU and reverse circulte balls - retrieved 11/25	
16:30 - 16:45		0.25	TOOL	3	lay down 5 jts and set packer @ 8540	
16:45 - 17:15		0.50	WELL	4	RU for swabbing	
17:15 - 0:00		6.75	WSI	3	SIFN	
8/7/2009		0:00 - 7:00	7.00	WSI	3	shut in
		7:00 - 9:00	2.00	WELL	4	swabbing well on 2nd run lost swabbing tool
	9:00 - 15:00	6.00	FISH	2	fishing down tbg - hooked fish - pull fish out	
8/8/2009	15:00 - 22:30	7.50	PROD	1	flowback monitor returns 263 bbl recovered	
	22:30 - 0:00	1.50	WSI	2	shut in - miscommunication on when to shut in well	
	0:00 - 7:00	7.00	WSI	2	shut in - miscommunication on when to shut well in	
	7:00 - 0:00	17.00	PROD	1	flowback	
	0:00 - 0:00	24.00	PROD	1	flowback	
8/10/2009	0:00 - 7:15	7.25	PROD	1	flowback	
	7:15 - 12:15	5.00	PROD	1	finish flowback test to flat tank avg 7 bbl/hr	
	12:15 - 13:00	0.75	TOOL	4	release packer	
	13:00 - 16:30	3.50	POOH	1	POOH laying down	
	16:30 - 17:30	1.00	RDMO	1	ND BOP / NU Fracvalve	
	17:30 - 0:00	6.50	PROD	1	flowback	
	0:00 - 13:00	13.00	PROD	1	flowback	
8/11/2009	13:00 - 0:00	11.00	PROD	2	sales	
	0:00 - 6:00	6.00	PROD	2	sales	
8/12/2009	6:00 - 7:15	1.25	WSI	1	shut in	
	7:15 - 9:10	1.92	STIM	2	pressure test, safety meeting & frac cozette	
	9:10 - 0:00	14.83	PROD	1	FLOWBACK	
8/13/2009	0:00 - 0:00	24.00	PROD	1	FLOWBACK	
8/14/2009	0:00 - 0:00	24.00	PROD	1	FLOWBACK	
8/15/2009	0:00 - 0:00	24.00	PROD	1	FLOWBACK - DEAD	
8/16/2009	0:00 - 0:00	24.00	PROD	1	FLOWBACK - DEAD	
8/17/2009	0:00 - 6:00	6.00	PROD	1	flowback - dead	
	6:00 - 15:00	9.00	WSI	1	shut in to build pressure	
	15:00 - 16:00	1.00	PROD	1	flowback	
8/18/2009	16:00 - 0:00	8.00	WSI	1	SHUT IN	
	0:00 - 8:00	8.00	WSI	1	SHUT IN	

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	8:00 -16:00	8.00	PROD	1	FLOWBACK - DEAD
	16:00 -0:00	8.00	WSI	1	shut in
8/19/2009	0:00 -16:00	16.00	WSI	1	shut in - attempt to build pressure
	16:00 -18:00	2.00	PROD	1	flowback
	18:00 -0:00	6.00	WSI	1	SHUT IN
8/20/2009	0:00 -8:00	8.00	WSI	1	SHUT IN
	8:00 -10:00	2.00	PROD	1	FLOWBACK 0 PSI
	10:00 -0:00	14.00	WSI	1	SHUT IN
8/21/2009	0:00 -13:00	13.00	WSI	1	SHUT IN
	13:00 -19:00	6.00	PROD	1	FLOWBACK - DEAD
	19:00 -0:00	5.00	WSI	1	SHUT IN
8/22/2009	0:00 -0:00	24.00	WSI	1	SHUT IN
8/23/2009	0:00 -16:30	16.50	WSI	1	SHUT IN TO BUILD PRESSURE
	16:30 -0:00	7.50	PROD	1	FLOWBACK - 0 psi
8/24/2009	0:00 -13:00	13.00	PROD	1	FLOWBACK - 0 PSI
	13:00 -14:00	1.00	MIRU	2	RU MWS
	14:00 -15:15	1.25	MIRU	1	NIPPLE UP BOP
	15:15 -18:00	2.75	RIH	1	MAKE UP BHA & RIH
	18:00 -19:00	1.00	PUMP	5	CIRC / AIR FOAM
	19:00 -0:00	5.00	PROD	1	FLOWBACK
8/25/2009	0:00 -7:00	7.00	PROD	1	FLOWBACK
	7:00 -7:30	0.50	WELL	3	BLOWDOWN TBG
	7:30 -9:45	2.25	RIH	1	RIH
	9:45 -12:30	2.75	DOP	4	RU POWER SWIVEL & SWIVEL IN HOLE WASH SAND, DRLG CMT, DRLG PLUG & CLEAN OUT RATHOLE TAG FLOAT COLLAR
	12:30 -13:15	0.75	POOH	1	POOH & LAND TBG
	13:15 -15:00	1.75	RDMO	1	RIG DOWN & NIPPLE DOWN PUMP OFF BIT @ 3600 PSI
	15:00 -0:00	9.00	PROD	1	FLOWBACK
8/26/2009	0:00 -14:00	14.00	PROD	1	FLOWBACK
	14:00 -0:00	10.00	PROD	2	sales
8/27/2009	0:00 -13:00	13.00	PROD	2	sales @ .8 mcf
	13:00 -15:25	2.42	WOT	6	plumb in for final sales
	15:25 -0:00	8.58	PROD	5	final sales tbg-1000 csg-1500 chk-16 plt-1.125 flow 1.2 rtu-2445