# Regulatory Summary

	CONOCOLI	minba:		SA	N JUAN 29 5	UNII #(	)51F			4	the diffe
	INITIAL COMPLE								~		
***		County RIO ARRIBA	State/Prov		rce Legal Location PM-29N-05W-19-L	N/S Dist (ft) 2,600.0	N/S R	ef S	E/W Di	st (ft) 700.00	E/W Ref
35.L	Ground Elevation (ft		atitude (DMS)	-XICO   INIVIE	Longitude (DMS)	2,000.0	Spud Date			Rig Release	
	6,740.0		6° 42' 39.816"	'N	107° 24' 17.28" V	/	2	/24/2006			3/6/2006
	3/7/2006 00:00 - 3	/7/2006 11:00									
888 ·	Last 24hr Summary DRILLING RIG MC	ni oc									
₩	3/8/2006 08:00 - 3					· · · · · · · · · · · · · · · · · · ·					
	Last 24hr Summary										
₩-	CLEAN & PREP LOC FOR LOG										
SSIL.	3/9/2006 06:00 - 3 Last 24hr Summary	/9/2006 15:15								-	
	Hold PJSA meetin				logging, testing or	erations. Tal	ked about po	ossible job l	nazards a	and how to	avoid those
	hazards. Outlined safety topics related to planned operations.								uro un on 4 1/2"		
	Rig up Schlumberger Wireline unit and logging tools. Wood Group rig up testing unit to wellhead. Start into well with logging tools. Pressure up on 4 1/2" casing to 1,500 Psi to start logging. Ran CBL from 8,126' (Log tag) to 2,500'. Top of cement estimated at 2,750'. Trip out of well with tools, released										
	pressure. Pressure	e test 4 1/2" ca	sing to 6,600 l	Psi surface for	30 minutes. Tester tools. Secured well	d good. Bleed	down press	sure to 0 Ps	i. Run T	OT Log fron	n 8,126 to 2,650'
	and continue with t	GR/CCL Log ic	surface. Rig	i down logging	toois. Secured wei	and lease. 3	Siluluowii op	erations to	trie day.	•	
	3/10/2006 12:00 -	3/10/2006 16:0	)0								
	Crew held PISA or	n location Day	wn Trucking e	tarted hauling	and setting fractan	ke on wolleite					
₩-	Crew held PJSA on location. Dawn Trucking started hauling and setting frac tanks on wellsite.  3/11/2006 08:00 - 3/12/2006 16:00										
	Last 24hr Summary	0, 12,2000 10,0									
	<del></del>					<del></del> -					
	3/13/2006 08:00 - Last 24hr Summary	<u>3/13/2006 16:0</u>	00	·							
891	HAUL IN FRAC TA	ANKS									
332L	3/14/2006 08:00 -	3/14/2006 16:0	00								
	Last 24hr Summary										
1	3/15/2006 08:00 -	3/15/2006 16:0	00						_		<del></del>
	Last 24hr Summary										
₩-	HAUL IN FRAC W										
	3/16/2006 08:00 -: Last 24hr Summary	3/16/2006 16:0	<u> </u>			<del></del> -		<del></del>			
	3/17/2006 08:00 - 3 Last 24hr Summary	<u>3/17/2006 16:0</u>	10								
888	RU FRAC VALVE,	SPOOL ASSE	MBLY								
	3/18/2006 08:00 -	3/18/2006 16:0	0								
224	Last 24hr Summary HEAT FRAC WAT	ER									
₩-	3/19/2006 08:00 -		00					·			
	Last 24hr Summary										
					Talked about condu 3 1/8" HSC PP 120						
	off of TDT/GR/CCL	log dated 3-9-	-06. Did not no	ote any drag at	casing anomaly at	6,686'. Perf	orated from	7,996' to 8,0	021 <sup>°</sup> with	1 SPF, 8,0	45 to 8,051 with 1
					lade a total of 2 gui init and tools on loo					down perf	guns and tools
	Secured lease. Shi				init and tools on loc	auon ioi Daki	ota anu mes	a verue rra	ic job.		
	0100100000000										
	3/20/2006 05:30 - : Last 24hr Summary	3/20/2006 19:0									
	PJSM w/ Schlumbe	erger, Protechr	nics , Computa	alog & Dawn ]	rucking. Discussed	days events	and ways to	prevent in	cident. Fi	illed out and	d reviewed JSA.
	RU Schlumberger	frac iron. FRA	C Dakota w/	73,127# 20/40 "/ Magnum 4"	Carbolite, 2,304,8 CBP and 3 1/8" S	00 scf N2 and	l 1418 bbl cl	ean fluid.	SEE STI	MULATION	REPORT FOR
	Schlumberger GR/	CCL/TDT log a	and marker jts	@ 6753' and 1	7793' to get on dept	th. Set CBP @	9 6076'. Pull	l up hole an	d perfora	te PLO/ME	N/CH as follows:
	Schlumberger GR/CCL/TDT log and marker its @ 6753' and 7793' to get on depth. Set CBP @ 6076'. Pull up hole and perforate PLO/MEN/CH as follows: 5474'-5478', 5526'-5546', 5556'-5560', 5824'-5830', 5848'-5854', 5878'-5890', 5911'-5919', 5946'-5950', 5968'-5976' all shots are 0.50 SPF for a tot of 45 holes. RU Schlumberger frac iron. FRAC MESAVERDE w/ 200,000# 20/40 Brady, 2,271,400 scf N2 and 2307 bbl clean fluid. SEE STIMULATION										
					ment off location to				ucan ill	iiu. 3⊏⊏ 3	THIVIOLATION
1											
	3/21/2006 00:00 - : Last 24hr Summary	3/21/2006 00:0	0			~			· · · · · · · · · · · · · · · · · · ·		
	3/22/2006 00:00 - :	3/22/2006 00:0	0								
	Last 24hr Summary	·									

### Regulatory Summary

### **ConocoPhillips**

### SAN JUAN 29 5 UNIT #051F

3/22/2006 00:00 - 3/22/2006 00:00

Last 24hr Summary

Finish flow back @ 08:00

3/23/2006 00:00 - 3/23/2006 00:00

Last 24hr Summary

Wait on completion rig

3/24/2006 09:00 - 3/24/2006 18:00

Last 24hr Summary

Move to location. Hold safety meeting with rig crew and M&R Trucking. Check LEL and location and set equipment in. Unable to spot unit because of soft location in front of wellhead. Wait on load of rock. Unload and spread rock; pack in soft area. Spot unit. Will bring out more timber on Mon. Secure location and SDFWE.

3/25/2006 00:00 - 3/25/2006 00:00

Last 24hr Summary

SDFWE

3/26/2006 00:00 - 3/26/2006 00:00

Last 24hr Summary

SDFWE

3/27/2006 07:00 - 3/27/2006 18:00

Last 24hr Summary

Hold safety meeting and write JSA. Check pressure. SICP - 340 psi. Place extra timber under front jacks on unit and rig up. Hook up flow line, pump lines and etc... Blow well down to 225 psi through 1/2" choke. Pump 25 bbls of 2% KCL, kill well, install bull plugged tbg hanger and remove frac valve and cross. Nipple up BOP and pressure test BOP per COP procedures. Rig up floor and hook up kill line and 3" flow line. Pump 25 bbls of 2% KCL water to kill well. Pull tbg hanger, pick up 2-3/8" X 1.81 ID FN with wireline plug installed, strap, pick up and run 2-3/8" tbg. Secure well and location and SDFN.

#### 3/28/2006 07:00 - 3/28/2006 16:30

Last 24hr Summary

Hold safety meeting and write JSA. Check pressure. SICP - 350 psi. Strap, pick up and run 2-3/8" tbg. Tag fill @ 5858'. Pressure test air lines and rig up to clean out. Wait on wireline truck to pull plug, rig up unit and pull plug. Hold safety meeting to discuss near miss. Unload well and clean out to 5880'. Mist pump on air package down. Pull 8 stds to 5381', secure well and location and SDFN.

#### 3/29/2006 07:00 - 3/29/2006 17:30

Last 24hr Summary

Hold safety meeting and write JSA. Check pressure. SICP - 400 psi; SITP - 300 psi. Blow well down to flow back tank. Blow well @ 5381' to check circ. and pressure. Circ @ 550 psi with air/mist. TIH 8 stds, install string float and blow well. Circ @ 1300 psi with air; could not circ with air/mist. TOH and remove string float, TIH to 5850. Circ @ 650 psi with air/mist. Blow well @ 5880' and wait on full opening string float. Install float and clean out from 5880 to 6070.78' (CBP). Blow well clean, TOH 12 stds -above top perfs- secure well and location and SDFN.

### 3/30/2006 07:00 - 3/30/2006 18:00

Last 24hr Summary

Hold safety meeting and write JSA. Check pressure. SICP - 350 psi; SITP - 350 psi. Blow well down to flow back tank and TIH to check for fill. Tag fill @ 6057' (13' of fill). Clean out from 6057' to CBP @ 6070' and blow well clean. PUH to 5850' and rig up flow line from tbg to flow back tank with 1/2" choke. Flow test Mesa Verde formation up tbg for 4-1/2 hrs to flow back tank on 1/2" choke at surface.

(FLOW TEST IS FOR ALLOCATION)

MV perfs - 5474' - 5976'

2 3/8" tbg set @ 5850'

Flow well up tbg with 1/2" choke @ surface

SICP - 320 psi

FTP - 125 psi

MV production - 825 mscf/day

0 BOPD

12 BWPD

NO SAND

Test witnessed by Andrew Chavez w/Basic Enery Services

TOH to 5381', secure well and location and SDFN.

## ConocoPhillips

### Regulatory Summary

### SAN JUAN 29 5 UNIT #051F

#### 3/31/2006 07:00 - 3/31/2006 18:00

Last 24hr Summary

Hold safety meeting and write JSA. Check pressure. SICP - 340 psi; SITP - 340 psi. Blow well down to flow back tank and TIH 11 stds to 6058' and tag fill (12'). Break circ, clean out to 6070' (CBP), and blow well clean. PUH to 5374' and hook tbg to flow back tank with 1/2" choke. Flow test Mesa Verde formation up tbg for 4-1/2 hrs to flow back tank through 1/2" choke @ surface.

(FLOW MV FOR 4-1/2 HRS FOR ENGINEERING PURPOSES ONLY. THIS IS NOT A MV ALLOCATION TEST)

MV perfs: 5474' - 5976'
2 -3/8" tbg set @ 5374'
Flow well up tbg with 1/2" choke @ surface
SICP - 300 psi
FTP - 105 psi
MV prod 0 BOPD

2 BWPD NO SAND

Test witnessed by Andrew Chavez w/Basic Energy Service Secure well and location and SDFWE.

#### 4/1/2006 00:00 - 4/1/2006 00:00

Last 24hr Summary

SDFWE

#### 4/2/2006 00:00 - 4/2/2006 00:00

Last 24hr Summary

**SDFWE** 

#### 4/3/2006 07:00 - 4/3/2006 18:00

Last 24hr Summary

SAFETY MEETING-SICP 360 PSIG, SITP 340 PSIG, BLEED WELL DOWN TO FLOW BACK TANK. RU H&H SL UNIT. SET PLUG IN F NIPPLE, BLED DOWN TBG. RD H&H.TOH WITH 86 STDS OF 2-3/8 TBG, F NIPPLE WITH PLUG IN IT AND MULE SHOE.MU 3-7/8 CONE BITANDBIT SUB. KILL WELL WITH 25 BBLS OF 2% KCL.TIH WITH 97 STDS OF 2-3/8 TBG AND BHA. TAG FILL @ 6055' (15' OF FILL). RU 2.5 POWER SWIVEL, PRESSURE TEST AIR LINES, BREAK CIRCULATION WITH AIR MIST. CLEAN OUT TO CBP @ 6070'.DRILLED OUT CBP @ 6070' HANG SWIVEL BACK. PUH ABOVE PERFS. SECURE WELL SDFN

#### 4/4/2006 07:00 - 4/4/2006 18:00

Last 24hr Summary

SAFETY MEETING-SICP 500 PSIG, BLEED WELL DOWN TO FLOW BACK TANK. TIH WITH 12 STDS OF 2-3/8 TBG, TALLY AND PICKED UP, 64 JTS,TAG FILL @ 8076 (50' OF FILL). RU 2.5 POWER SWIVEL, BREAK CIRCULATION WITH AIR MIST,CLEAN OUT TO PBTD @ 8126' BLOW WELL @ PBTD WITH AIR MIST. MAKING HEAVY TO LIGHT SAND. RD POWER SWIVEL, PUH ABOVE PERFORATIONS. SECURE WELL SDFN.

#### 4/5/2006 07:00 - 4/5/2006 18:00

Last 24hr Summary

SAFETY MEETING-SICP 450 PSIG, BLEED WELL DOWN TO FLOW BACK TANK. RIH WITH 42 STDS OF 2-3/8 TBG, TAG FILL @ 8122' (4' OF FILL). BREAK CIRCULATION WITH AIR MIST, CLEAN OUT TO PBTD @ 8126'. BLOW WELL WITH AIR FOR 3 HRS. CLEAN RETURNS. TOH WITH 128 STDS OF 2-3/8 TBG, BIT SUB AND BIT. MU MULE SHOE, AND 1.81 F NIPLE WITH WIRELINE PLUG IN IT, KILL WELL WITH 20 BBLS OF 2% KCL. TIH WITH 66 STDS. SHUT DOWN OPERATIONS DUE TO HIGH WINDS. SDFN

#### 4/6/2006 07:00 - 4/6/2006 18:00

Last 24hr Summary

SAFETY MEETING-SICP 450 PSIG, BLEED WELL DOWN TO FLOW BACK TANK. RIH WITH 22 STDS OF 2-3/8 TBG. RU H&H SL UNIT. RIH AND RETRIEVE PLUG, TOH WITH PLUG. MU AND RIH W/ EOT LOCATOR. FIND EOT. TBG SET @ 5368'. (106' ABOVETOP MV PERF) POOH RU PROTECHNICS LOGGING TOOLS AND RIH TO 6026', GET STATIC TEMPERATURE AND PRESSURE. (BHT= 182F BHP = 483#) OPEN WELL FLOWING UP TBG. W/ 1/2" CHOKE @ SURFACE. PSI STABILIZED @ FTP= 150#, SICP= 380#. LOG ACROSS MV FORMATION F/6026' -5424. POOH W/ TOOLS.RETRIEVE DATA. GOOD DATA. MU PLUG. RIH AND SET PLUG IN F-NIPPLE, TOH RD H&H SL. RIH DRIFTING 44 STDS OF 2-3/8 TBG, TAG FILL @ 8124' (2' OF FILL). BREAK CIRCULATION WITH AIR MIST, CLEAN OUT TO PBTD @ 8126'. SHUT DOWN AIR, PUH WITH 4 STDS, EOT @ 7875', SECURE WELL SDFN.

## ConocoPhillips

### **Regulatory Summary**

### SAN JUAN 29 5 UNIT #051F

4/7/2006 07:00 - 4/7/2006 19:00

**Last 24hr Summary** 

SAFETY MEETING-SICP 450 PSIG. RU H&H SL UNIT. RIH AND RETRIEVE PLUG, TOH WITH PLUG. MU AND RIH W/ EOT LOCATOR. FIND EOT. TBG SET @ 7880'. CONTINUE IN THE HOLE TAG PBTD @ 8126' (NO FILL) POOH RU PROTECHNICS LOGGING TOOLS AND RIH TO 7946', GET STATIC TEMPERATURE AND PRESSURE.(BHT= F BHP = #) OPEN WELL FLOWING UP TBG. W/ 1/2" CHOKE @ SURFACE. PSI STABILIZED @ FTP= 135 #, SICP= 380#. LOG ACROSS DK FORMATION F/8113' -7946'. POOH W/ TOOLS RETRIEVE DATA. GOOD DATA.

RESULTS OF DK PRODUCTION LOG TEST DATA: DK GAS= 1000 MCF/D OIL= 0 BPD WATER= 6.1 BPD.

RIH W/ SPECTRA SCAN, LOG ACROSS DK INTERVAL F/ 7996-8088 . RETRIEVE DATA, RD H & H. KILL TBG W/ 5 BBLS PF 2% KCL.RIH PICKING UP AND DRIFTING 8 JTS, TAG PBTD @ 8126' (NO FILL) LAY DOWN 4 JTS. LANDED WELL WITH 257 JTS OF 2-3/8 TBG 1. 81 F-NIPPLE AND MULE SHOE, EOT @ 8003' KB, SN @ 8002'. RD FLOOR,ND BOP, NU MASTER VALVE. UNLOAD HOLE W/ AIR. OPEN WELL TO PURGE AIR FROM TUBULARS. RD UNIT AND EQUIPMENT. TURN OVER TO OPERATOR AND EPNG FOR PRODUCTION. PREPARED TO MOVE . JOB COMPLETED

Well Name: San Juan 29-5 #51F		Patterson Rig: #747
API #: 30-039-29712		Spud: 24-Feb-06
Location: 2600' FSL & 700' FWL		Spud Time: 8:30
Sec. 19 - T29N - R5W	11" 3M x 7 1/16" 5M Tubing Head	Date TD Reached: 5-Mar-06
Rio Arriba County, NM	11" 3M x 11" 3M Casing Spool	Release Drl Rig: 7-Mar-06
Elevation: 6740' GL (above MSL)	9-5/8" 8 RD x 11" 3M Casing Head	Release Time: 20:00
Drl Rig RKB: 13' above Ground Level		
Datum: Drl Rig RKB = 13' above GL	XNew	Surface Cement  Date cmt'd: 24-Feb-06
Surface Casing Date set: 24-Feb-06	Used	Lead: 150 sx Class G Cement
Size 9 5/8 in		+ 3% S001 Calcium Chloride
Set at 232 ft # Jnts: 5		+ 0.25 lb/sx D130 Polyester Flakes
Wt. <u>32.3</u> ppf Grade <u>H-40</u>		1.16 cuft/sx, 174.0 cuft slurry at 15.8 ppg
Hole Size 12 1/4 in Conn STC		Displacement: 15.0 bbls fresh wtr
Excess Cmt 125 %	<b>⊿</b>     <b>▶</b>	Bumped Plug at: 17:03 hrs w/ 451 psi
T.O.C. SURFACE Csg SI		Final Circ Press: 109 psi @ 1.7 bpm  Returns during job: YES
TD of 12-1/4" h	Sie	Returns during job: YES CMT Returns to surface: 14 bbls
Notified BLM @ 16:30 hrs on	22-Feb-06	Floats Held: No floats used
	22-Feb-06	W.O.C. for 6.00 hrs (plug bump to start NU BOP)
30 min Casing Test at 1000 psi on	25-Feb-06	W.O.C. for 8.50 hrs (plug bump to test csg)
-		<del></del>
Intermediate Casing Date set: 1-Mar-06	XNew	Intermediate Cement
Size <u>7</u> in <u>93</u> jt		Date cmt'd: 1-Mar-06
	ups	Lead : 435 sx Class G Cement
Wt. <u>20</u> ppf Grade <u>J-55</u> Hole Size 8 3/4 in Conn STC		+ 3% D079 Extender
Excess Cmt 150 % Top of Float C	ollar 3922 ft	+ 0.20% D046 Antifoam
T.O.C. SURFACE Bottom of Casing S		+ 1.0 lb/bbl CemNet
Pup @ft TD of 8-3/4"	Hole 3977 ft	
Pup @ft		2.63 cuft/sx, 1144.05 cuft slurry at 11.7 ppg
		Tail: 245 sx 50/50 POZ : Class G Cement
Notified DI M @ hrs. on		+ 2% D020 Bentonite
Notified BLM @hrs onhrs on		+ 5.0 lb/sx D024 Gilsonite Extender + 2% S001 Calcium Chloride
30 min Casing Test at 1800 psi on	02-Mar-06	+ 0.15% D065 Dispersant
		+ 0.20% D046 Antifoam
	11 11	+ 1.0 lb/bbl CemNet
,		1.28 cuft/sx, 313.6 cuft slurry at 13.5 ppg
		Displacement: 158.4 bbls
		Bumped Plug at: 14:30 hrs w/ 1146 psi
	l [	Final Circ Press: 719 psi @ 2.2 bpm  Returns during job: YES
	<b>,</b> ,	CMT Returns to surface: 5 bbls
	1	Floats Held: X Yes No
	<b> </b>	W.O.C. for NA hrs (plug bump to start NU BOP)
		W.O.C. for 9.50 hrs (plug bump to test csg)
Production Casing: Date set: 6-Mar-06 Size 4 1/2 in 187	ts X New Used	Production Cement
	oups	Date cmt'd: 6-Mar-06  Cement: 470 sx 50/50 POZ: Class G Cement
Wt. 11.6 ppf Grade N-80		+ 0.25 lb/sx D130 Polyester Flakes
Hole Size 6 1/4 in Conn LTC		+ 3% D020 Bentonite
73	Collar 8147 ft	+ 1.00 lb/sx D024 Gilsonite Extender
T.O.C. (est) 3767 T1 Bottom of Casing		+ 0.25% D167 Fluid Loss
	Hole 8153 ft	+ 0.15% D065 Dispersant
Marker Jt @ <u>5346</u> ft Marker Jt @ ft		+ 0.10% D800 Retarder + 0.10% D046 Antifoam
Marker Jt @ft		+ 3.5 lb/sx Phenoseal
		1.45 cuft/sx, 681.5 cuft slurry at 13.0 ppg
Notified BLM @hrs on		Displacement: 126.3 bbls
Notified NMOCD @hrs on		Bumped Plug: 17:05 hrs w/ 1984 ps
•	1	Final Circ Press: 1292 psi @ 1.9 bpm
Top of Float	Collar_8147_ft	Returns during job: None Planned
Bottom of Casing		CMT Returns to surface: None Planned Floats Held: X Yes No
	TD of 8-3/4" Hole: 8153 ft	Schematic prepared by:
COMMENTS	-	Michael P. Neuschafer, Drilling Engineer 7-March-2006
COMMENTS:	a guida abaa	
9-5/8" Surf: No float equipment was run. Ran Displaced top wiper plug with water	a guide shoe. r.  Shut in casing head and WOC before backing :	out landing it
CENTRALIZERS @ 222', 144', 10		out landing jt.  Total: 4
7" Intermediate DISPLACED W/ 158.4 BBLS. FRE		10(a). 4
	3799', 3720', 3641', 3557', 230', 187', 58'.	Total: 9
TURBOLIZERS @ 3004', 2962', 2	)19', 2876', 2833'.	Total: 5