

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

FORM APPROVED
OMB NO. 1004-0137
Expires: November 30, 20005. Lease Serial No.
NMNM012698

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and no.
NMNM 78416B

8. Lease Name and Well No.

San Juan 29-6 Unit 103M

9. API Well No.

30-039-27519

10. Field and Pool, or Exploratory
Basin Dakota11. Sec., T., R., M., on Block and
Survey or Area Sec 11, T29N, R6W12. County or Parish
Rio Arriba13. State
NM

17. Elevations (DF, RKB, RT, GL)*

8165' GL

1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry Otherb. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resrv.

Other

2. Name of Operator
ConocoPhillips Company3. Address
P.O. Box 2197, WL3 6106; Houston, Tx. 772523.a Phone No. (Include area code)
(832)486-2329

4. Location of Well (Report location clearly and in accordance with Federal requirements)*

At Surface Sec. 11, T29N, R6W; Unit D. 1100' FNL & 200' FWL

At top prod. interval reported below

At total depth

14. Date Spudded

12/26/2003

15. Date T.D. Reached

01/06/2004

16. Date Completed

☐ D & A ☒ Ready to Prod.
02/14/200418. Total Depth: MD 7885
TVD19. Plug Back T.D.: MD 7885
TVD20. Depth Bridge Plug Set: MD
TVD21. Type of Electric & Other Mechanical Logs Run (Submit copy of each)
TDT; GR/CCL; CBL22. Was well cored? ☒ No ☐ Yes (Submit analysis)
Was DST run? ☒ No ☐ Yes (Submit analysis)
Directional Survey? ☐ No ☒ Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12.25	9.625 H40	32.3	0	236-234		150		0	
8.75	7.00 J-55	20	0	3705		590		0	
6.25	4.50 I-80	11.6	0	7885		470		2630	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.375	7750							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Basin Dakota	7742	7835	7742' to 7835'	.34	82	Open
B)						
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
7742' to 7835'	Frac'd w/Slickwater @ 1.25g/mg FR; 45,000# 20/40 Super LC Sand & 3385 bbls. fluid.

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
03/15/04	2/11/04	24	→	0.0	934	0.0			Flows from Well
Choice Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
1/2	SI 150	270	→					Producing	ACCEPTED FOR RECOMPL.

Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
			→						

(See Instructions and spaces for additional data on reverse side)

NMOC

APR 01 2004

FARMINGTON FIELD OFFICE

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

Sold

30. Summary of Porous Zones (Include Aquifers):

Show all important zones or porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
				Nacimiento	1168
				Ojo Alamo	2575
				Kirtland	2659
				Fruitland	3160
				Pictured Cliffs	3349
				Chacra	4402
				Cliffhouse	4960
				Menefee	5282
				Pt. Lookout	5570
				Gallup	6873
				Greenhorn	7550

32. Additional remarks (include plugging procedure):

This well is a downhole commingled well producing from the Blanco Mesa Verde and Basin Dakota. Attached are the daily summaries and the wellbore schematic.

33. Circle enclosed attachments:

1. Electrical/Mechanical Logs (1 full set req'd.) 2. Geological Report 3. DST Report 4. Directional Survey
5. Sundry Notice for plugging and cement verification 6. Core Analysis 7. Other

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name (please print) Christina GustartisTitle Agent for ConocoPhillipsSignature Chris GustartisDate 03/25/2004

Title 18 U.S.C. Section 101 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States and false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

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Page 1 of 4

Operations Summary Report

Legal Well Name: SAN JUAN 29-6 UNIT 103M
 Common Well Name: SAN JUAN 29-6 UNIT 103M
 Event Name: COMPLETION
 Contractor Name: KEY FOUR CORNERS
 Rig Name: KEY ENERGY

Spud Date: 12/26/2003
 Start: 1/5/2004 End: 2/14/2004
 Rig Release: 1/5/2004 Group:
 Rig Number: 47

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
1/7/2004	07:00 - 07:30	0.50	CM	c	80CMPL	Held safety meeting.
	07:30 - 08:30	1.00	CM	e	80CMPL	Installed csg valves and frac valve.
	08:30 - 16:00	7.50	CM	r	80CMPL	RU Schlumberger. Pressured up on 4 1/2" csg to 1500 #. Ran CBL log from 7868' to 2400'. Top of cement @ 2630'. Tested 4 1/2" csg to 4800 # for 30 min. Held ok. Ran TDT log from 7868' to 2000'. Ran GR/CCL log from 7868' to surface. SWI. RD Schlumberger.
1/13/2004	11:00 - 11:30	0.50	CM	c	80CMPL	Held safety meeting.
	11:30 - 15:00	3.50	CM	9	80CMPL	RU Isolation tool. Pressure tested 4 1/2" csg to 6700 # for 30 min. Held ok.
1/19/2004	12:00 - 12:30	0.50	PERF	SFTY	COMPZN	HELD SAFETY MEETING.
	12:30 - 15:00	2.50	PERF	PERF	COMPZN	RU Blue Jet. Perforated the Dakota. RIH w/ 3 1/8" 120 degree select fire perforating gun. Perforated from 7742' - 7754' w/ 2 spf, 7763' - 7767' w/ 2 spf, 7788' - 7796' w/ 2 spf, 7806' - 7814' w/ 2 spf, 7826' - 7835' w/ 2 spf. A total of 82 holes w/ 0.34 dia.
1/20/2004	07:00 - 07:30	0.50	STIM	SFTY	COMPZN	HELD SAFETY MEETING.
	07:30 - 14:00	6.50	STIM	STIM	COMPZN	RU ISOLATION TOOL. RU SCHLUMBERGER. ATTEMPTED TO FRAC THE DAKOTA. TESTED LINES TO 7015 #. SET POP OFF @ 6067 #. BROKE DOWN FORMATION @ 5 BPM @ 1610 #. DROPPED 48 BALL SEALERS IN 1000 GALS OF 15% HCL ACID @ 2 BALLS PER BBL AND 2 BALLS PER BBL FOR THE REMAINING 52 BALLS @ 15 BPM @ 2318 #. A TOTAL OF 100 BALLS. GOOD BALL ACTION. BALLED OFF @ 4820 #. RIH W/ JUNK BASKET TO RETREIVE BALLS. COULD NOT GET BELOW 7825'. BOTTOM SET OF PERFS @ 7826' TO 7835'. PBTD @ 7885'. RUN BACK IN HOLE W/ JUNK BASKET. TAGGED @ 7825'. ATTEMPTED TO WORK JUNK BASKET. COULD NOT GO DOWN PAST 7825'. POOH W/ JUNK BASKET. RD BLUE JET & SCHLUMBERGER.
1/21/2004	08:00 - 08:30	0.50	WELLPR	SFTY	COMPZN	HELD SAFETY MEETING.
	08:30 - 11:00	2.50	WELLPR	SLKL	COMPZN	RU SLICKLINE. RIH W/ BAILER. TAGGED SAND @ 7825'. POOH W/ BAILER. BAILER WAS FULL OF FRAC SAND. RAN BACK IN HOLE W/ BAILER. TAGGED @ 7825'. POOH W/ BAILER. BAILER WAS FULL OF FRAC SAND. SWI. RD SLICKLINE.
1/24/2004	07:00 - 08:00	1.00	WELLPR	SFTY	MIRU	PJSM W/ CREW. DISCUSSED DAYS EVENTS AND JOB ASSOCIATED HAZZARDS.
	08:00 - 09:00	1.00	MOVE	MOB	MIRU	ROAD UNIT FROM SJ 29-6 #58A TO SJ 29-6 #103M.
	09:00 - 09:45	0.75	MOVE	PSIT	MIRU	PJSM. PRE-RU MTG. SPOT UNIT. (KEY RIG # 15)
	09:45 - 11:15	1.50	WELLPR	RURD	MIRU	RU UNIT AND EQUIPMENT.
	11:00 - 12:00	1.00	RPEQPT	NUND	COMPZN	CHECK CSG PSI 0#. ND 7 1/16" 5K FRAC VALVE. NU SCHAFFER 3K BOPE W/ 2 3/8" PIPE RAMS ON TOP AND BLIND RAMS ON BOTTOM.
	12:00 - 12:15	0.25	WELCTL	SFTY	COMPZN	PJSM W/ WOOD GROUP. DISCUSSED BOP TESTING. AND ASSOCIATED HAZZARDS.
	12:15 - 12:30	0.25	WELCTL	NUND	COMPZN	RU WOOD GROUP TEST UNIT.
	12:30 - 13:00	0.50	WELCTL	BOPE	COMPZN	TEST BOPE. HIGH 2800# FOR 15 MIN. LOW 250# FOR 5 MIN BOTH BLIND AND PIPE RAMS.
	13:00 - 13:30	0.50	RPCOMP	NUND	COMPZN	RU FLOOR AND TBG. TOOLS.
	13:30 - 15:15	1.75	RPCOMP	PULD	COMPZN	TIH W/ 94 JTS 2 3/8" TO 2932'. (TALLYING AND PICKING UP FROM FLOAT).
	15:15 - 16:15	1.00	RPCOMP	CIRC	COMPZN	BREAK CIRCULATION W/ AIR AND UNLOAD HOLE.
	16:15 - 16:45	0.50	RPCOMP	PULD	COMPZN	CONTINUE TO TIH W/ 30 JTS 2 3/8" TBG.
	16:45 - 17:15	0.50	WELLPR	OTHR	COMPZN	DRAIN EQUIPMENT. SECURE WELL SDFN.
1/26/2004	07:15 - 07:45	0.50	WELLPR	SFTY	COMPZN	PJSM W/ CREWS. DISCUSSED DAYS EVENTS AND SAFETY HAZZARDS ASSOCIATED WITH THOSE EVENTS.

Operations Summary Report

Legal Well Name: SAN JUAN 29-6 UNIT 103M
 Common Well Name: SAN JUAN 29-6 UNIT 103M
 Event Name: COMPLETION
 Contractor Name: KEY FOUR CORNERS
 Rig Name: KEY ENERGY

Spud Date: 12/26/2003
 Start: 1/5/2004 End: 2/14/2004
 Rig Release: 1/5/2004 Group:
 Rig Number: 47

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
1/26/2004	07:45 - 08:00	0.25	WELLPR	OPNW	COMPZN	SITP= 90#, SICP=20#. BLEED BOTH DOWN.
	08:00 - 10:30	2.50	RPCOMP	TRIP	COMPZN	CONTINUE TO TIH W/ 136 JTS 2 3/8" TBG. TALLYING AND PICKING UP FROM FLOAT. TAG FILL @ 7828'.
	10:30 - 12:30	2.00	RPCOMP	CIRC	COMPZN	UNLOAD WELL W/ AIR.. HIGH PRESSURES WHILE LIFTING FLUID, HAD TO HELP AIR COMPRESSOR W/ FLUID PUMP.. UNLOADED FLUID AND CIRCULATION PRESSURE LEVELED OFF @ 1350#. UNLOADED APPROX. 120 BBL FLUID.
	12:30 - 14:00	1.50	RPCOMP	CIRC	COMPZN	CLEAN OUT SAND AND FRAC BALLS FROM 7828' TO 7875' W/ 3 JTS. HAD TO PU SWIVEL TO GET TROUGH & START BALLS UP HOLE.
	14:00 - 14:30	0.50	RPEQPT	NUND	COMPZN	SD AIR. RD SWIVEL.
1/27/2004	14:30 - 17:00	2.50	RPCOMP	TRIP	COMPZN	TOOH W/ 160 JTS 2 3/8" TBG. LAYING DOWN ON FLOAT.
	17:00 - 17:30	0.50	WELLPR	OTHR	COMPZN	DRAIN EQUIPMENT. RD AIR UNIT. SECURE WELL SDFN.
	07:00 - 07:30	0.50	WELLPR	SFTY	COMPZN	PJ SM W/ CREWS. DISCUSSED DAYS EVENTS AND HAZZARDS INVOLVED. SICP=1400#
	07:30 - 08:30	1.00	WELLPR	WOEQ	COMPZN	WAIT ON RIG AND PUMP TO START.
	08:30 - 10:00	1.50	RPCOMP	PULD	COMPZN	CONTINUE TO TOOH W/ 95 JTS TBG. LAYING DOWN ON FLOAT.
1/29/2004	10:00 - 11:00	1.00	RPEQPT	NUND	COMPZN	ND BOPE, NU FRAC VALVE. RU RIGLESS SCAFFOLDING
	11:00 - 13:00	2.00	RPEQPT	NUND	COMPZN	RD UNIT AND EQUIPMENT. MOLOC.
	-	-	STIM	SFTY	COMPZN	HELD SAFETY MEETING.
	-	-	STIM	STIM	COMPZN	RU Isolation tool. RU Schlumberger. Frac'd the Dakota. Tested lines to 7070 #. Set pop off @ 6017 #. Pumped pre pad @ 40 BPM @ 3280 #.
	-	-	-	-	-	SDRT 30 BPM @ 2830 #. SDRT 20 BPM @ 2461 #. SDRT 12 BPM @ 2180 #. ISIP 1860 #. 5 min 1352 #. 10 min 1127 #. 15 min 957 #. 20 min 828 #. 25 min 740 #. Frac'd the Dakota w/ Slickwater @ 1.25 g/mg FR. 45,000 # of 20/40 Supper LC SAND and 3385 bbls fluid. Avg rate 50 BPM. Avg psi 5172. Max psi 5785. Max sand cons .50 # per gal. ISIP 3300 #. Frac gradient .68. SWI.
1/30/2004	07:00 - 07:30	0.50	PERF	SFTY	COMPZN	HELD SAFETY MEETING.
	07:30 - 10:00	2.50	PERF	PERF	COMPZN	RU BLUE JET. RIH w/ 4 1/2" composite plug. Set plug @ 5810'. tested plug to 4800 #. Held ok. Perforated the Mesaverde. RIH w/ 3 1/8" 120 degree select fire perforating gun. Perforated from 5242' - 5246' w/ 1 spf, 5252' - 5259' w/ 1 spf, 5267' - 5276' w/ 1 spf, 5608' - 5618' w/ 1/2 spf, 5636' - 5652' w/ 1/2 spf, 5662' - 5668' w/ 1/2 spf, 5684' - 5688' w/1/2 spf. A total of 45 holes w/ 0.34 dia.
	10:00 - 14:00	4.00	STIM	STIM	COMPZN	Frac the Mesaverde. Tested lines to 6146 #. Set pop off @ 4530 #. Brok down formation @ 4 BPM @ 2365 #. Pumped 1000 gals of 15 % HCL acid @ 5 BPM @ 60 # Pumped pre pad @ 37 BPM @ 564 #. SDRT 27 BPM @ 88 #. ISIP 0 #. Frac THE MV w/ 65 Q Slick Foam w/ 1.0 g/mg FR. 175,000 # of 20/40 Brady sand. Treated the last 15% of total proppant volume with proppnet for proppant flowback control. 2077 bbls fluid. 2,519,700 SCF N2. Avg rate 60 BPM. Avg psi 2820. Max psi 3277. Max sand cons 1.5 # per gal. ISIP 1680 #. Frac gradient .44. SWI. RD Schlumberger.
	-	-	-	-	-	SDRT 27 BPM @ 88 #. ISIP 0 #. Frac THE MV w/ 65 Q Slick Foam w/ 1.0 g/mg FR. 175,000 # of 20/40 Brady sand. Treated the last 15% of total proppant volume with proppnet for proppant flowback control. 2077 bbls fluid. 2,519,700 SCF N2. Avg rate 60 BPM. Avg psi 2820. Max psi 3277. Max sand cons 1.5 # per gal. ISIP 1680 #. Frac gradient .44. SWI. RD Schlumberger.
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2/5/2004	- 07:30	-	-	-	-	-
	07:30 - 08:00	0.50	MOVE	MOB	DEMOB	JSA, START AN WARM UP RIG. SHUT DOWN TRUCKING FROM TOWN, 4" OF NEW SNOW, ROAD TO ICY FROM TOWN.
	08:00 - 12:00	4.00	MOVE	WOW	DEMOB	WAIT ON ROAD TO THAW OUT.
2/6/2004	12:00 - 15:30	3.50	MOVE	RURD	DEMOB	ROAD RIG TO NEXT LOCATION, TEST FOR GAS, 0 LEL, SPOT IN RIG RIG UP. SICP 200# , 0# ON BRAIDEN HEAD.
	15:30 - 16:00	0.50	FLOWT	RURD	MIRU	SHUT DOWN SECURE WELL SDFN.
	- 07:30	-	-	-	-	-
	- 08:00	-	MOVE	SFTY	MIRU	JSA, SICP 200# 0# BRAIDEN HEAD. START RIG

CONOCOPHILLIPS CO

Operations Summary Report

Page 3 of 4

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 Event Name: COMPLETION
 Contractor Name: KEY FOUR CORNERS
 Rig Name: KEY ENERGY

Spud Date: 12/26/2003
 Start: 1/5/2004
 End: 2/14/2004
 Rig Release: 1/5/2004
 Group:
 Rig Number: 47

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
2/6/2004	08:00 - 09:30	1.50	MOVE	RURD	MIRU	SPOT IN EQUIPMENT
	09:30 - 12:30	3.00	MOVE	RURD	MIRU	RU EQUIPMENT, RU FLOWBACK LINES TO PIT, CLEAN OUT AN CHANGE OUT PIPE AN BLIND RAMS IN BOP.
	12:30 - 13:00	0.50	FLOWT	OTHR	COMPZN	START FLOW BACK ON 1/2" CHOKE NIPPLE TO PIT. PRESS. DOWN TO 100#
	13:00 - 14:00	1.00	WELCTL	KLWL	COMPZN	RU PUMP, KILL WELL WITH 20 BBLS OF 2% KCL, RD FRAC VALVE, SET TBG HANGER WITH BPV, SET AN RU BOP.
	14:00 - 15:20	1.33	WELCTL	BOPE	COMPZN	RU BOP TESTER, TEST BLIND RAMS, 200# LOW, 3-MINS. 3000# HIGH, 10 MINS., TESTED SOLID. TEST PIPE RAMS, 200# LOW, 3 MINS., 3000# HIGH, 10 MINS. SOLID TEST. RD TESTER.
	15:20 - 15:45	0.42	FLOWT	KLWL	COMPZN	KILL WELL WITH 20 BBLS OF 2% KCL, POOH WITH TBG HANGER AN BPV. RU FLOWBACK LINES TO KILL SPOOL, OPEN WELL TO PIT.
	15:45 - 18:30	2.75	FLOWT	OTHR	COMPZN	FLOWED WELL TO PIT, WELL UNLOADING LOTS OF FLUIDS, NO GAS, LAST READING, 50# FLOWING PRESS., LOTS OF FLUIDS, NO SAND, SHUT WELL IN, SECURE WELL SDFN.
2/7/2004	- 07:30					
	07:30 - 10:00	2.50	FLOWT	SFTY	COMPZN	JSA, SICP 250#, START RIG, -3 DEGREES THIS AM, LOTS OF FREEZES, THAW OUT.
	10:00 - 14:30	4.50	FLOWT	PULD	COMPZN	RIH WITH EXPENDABLE CHECK, F-NIPPLE (1.81) AN TBG, TO 5680', ALL PERFS OPEN, PU TBG TO 5466', RU TBG TO FLOW LINE ON 1/2" CHOKE NIPPLE, DROP BALL, PUMP OUT CHECK @750#.
2/10/2004	14:30 - 18:00	3.50	FLOWT	PRDT	COMPZN	WELL STARTING FLOWING AT 150# ON TBG, 200# ON CSG. NO FLUIDS, LIT E GAS. END OF SHIFT WELL FLOWING AT TBG. PRESS 125#, CSG. PRESS. 180#, NO FLUIDS, NO SAND. TURN OVER TO DRY WATCH.
	- 07:30					
	07:30 - 09:30	2.00	FLOWT	SFTY	COMPZN	FLOW WELL, OBTAIN 4 HOURS STABLE TEST, AS FOLLOWED: FLOWING TBG PRESS. 110#, CSG PRESS 190#, 0 BBLS OIL, 0 BBLS WATER, FLOW RATE AT 685 MCF, EOT AT 5466'. TESTED ON 1/2' choke, WITNESS BY GILBERT BENNETT, KEY ENERGY, (FLOWED WELL 20 HOURS) JSA SICP250#, SITP 250#, START RIG -5 DEGRESS- BDW, KILL TBG.
	09:30 - 10:30	1.00	RPCOMP	TRIP	COMPZN	POOH WITH TBG AN F-NIPPLE,
	10:30 - 11:30	1.00	RPCOMP	TRIP	COMPZN	RIH WITH MILL AN TBG TAG FILL AT 5760'
	11:30 - 14:45	3.25	RPCOMP	FCO	COMPZN	RU POWER SWIVEL, RU AIR UNIT, EST RATE NO RETURNS, C/O TO CBP 5810', MV PERFS TAKING RETURNS.
	14:45 - 15:33	0.80	RPCOMP	OTHR	COMPZN	D/O CBP, AT 5810', , FINALLY GOT RETURNS, CHASE TO 5873',
2/11/2004	15:33 - 18:00	2.45	RPCOMP	OWFF	COMPZN	WELL FLOWING AN UNLOADING TO PIT, MAKING LOTS OF FLUIDS, WELL CLEANED UP, LITE GAS, FLOWING WELL TO PIT ON 1/2" CHPOKE, TURN OVER TO DRYWATCH, FLOWING CSG PRESS 70#.
	- 07:30					
	07:30 - 08:00	0.50	RPCOMP	SFTY	COMPZN	JSA, FLOWING PRESS. 65#, NO FLUIDS. START RIG
	08:00 - 09:30	1.50	RPCOMP	TRIP	COMPZN	RIH WITH TBG, TALLY PU OFF TRAILER, TAG FILL AT 7772', 250 JOINTS OF TBG. - 63' OF DAKOTA PERFS., COVERED.
	09:30 - 10:30	1.00	WELLPR	SEQP	COMPZN	RU POWER SWIVEL, RU AIR UNIT EST RATE @650#
	10:30 - 13:50	3.33	WELLPR	FCO	COMPZN	C/O FILL AN FINISH D/O CBP, C/O TO PBTD 7885', FINAL RETURNS RECOVERED FRAC BALLS.
	13:50 - 17:00	3.17	WELLPR	CIRC	COMPZN	CIRCALATE CLEAN OFF BOTTOM, CUT MIST, WELL MAKING SOME FLUIDS, WITH A LITTLE SAND, WELL CLEAN UP, NO SAND, VERY LITTLE FLUID, SHUT DOWN AIR, PU AN LAY DOWN 6 JOINTS OF TBG, (EOT ABOVE PERFS.) WILL DRYWATCH WELL TONIGHT,

Operations Summary Report

Legal Well Name: SAN JUAN 29-6 UNIT 103M
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 Event Name: COMPLETION
 Contractor Name: KEY FOUR CORNERS
 Rig Name: KEY ENERGY

Start: 1/5/2004
 Rig Release: 1/5/2004
 Rig Number: 47

Spud Date: 12/26/2003
 End: 2/14/2004
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
2/11/2004	13:50 - 17:00	3.17	WELLPR	CIRC	COMPZN	WELL PUT ON 1/2" CHOKE.
2/12/2004	- 07:30					
	07:30 - 08:00	0.50	WELLPR	SFTY	COMPZN	JSA, FLOWING PRESS. 40#, NO FLUIDS, START RIG.
	08:00 - 08:54	0.90	WELLPR	TRIP	COMPZN	PU AN RIH WITH 6 JOINTS OF TBG, TAG UP AT PBTD, 7885', PU AN LAY DOWN 6 JOINTS. NO NEW FILL
	08:54 - 10:35	1.68	WELLPR	TRIP	COMPZN	POOH WITH 123 STANDS AN A SINGLE, XO AN MILL. KILL WELL 10 BBLS TO PO MILL.
	10:35 - 13:05	2.50	WELLPR	TRIP	COMPZN	RIH WITH VALVE, PACKER AN 123 STANDS AN A SINGLE, SET PACKER AT 7721'. OPEN VALVE.
	13:05 - 17:00	3.92	FLOWT	PRDT	COMPZN	RU TO FLOW BACK LINE ON 1/2" CHOKE, SHUT IN CSG. WELL FLOWING, 160# ON TBG, 270# ON CSG (CSG SHUT IN.) TURN OVER TO DRY WATCH.
2/13/2004	- 07:30					
	07:30 - 08:00	0.50	WELLPR	SFTY	COMPZN	FLOW TEST DK, RESULTS AS FOLLOWED: FLOW RATE 934 MCF, 0 BBLS. OIL, 0 BBLS OF WATER, FLOWING TBG PRESS. 150#, SICP 270#, EOT AT 7721'(PACKER), FLOWED ON 1/2" CHOKE NIPPLE, DATE OF TEST 02/11/2004, WITNESS BY GILBERT BENNETT, KEY ENERGY. (4 HRS. STABLE TEST) RELEASE DRYWATCH. JSA, START RIG.
	08:00 - 12:00	4.00	WELLPR	OTHR	COMPZN	BLOW DOWN WELL, TRY TO SHUT OFF VALVE ON TOP OF PACKER, TRY TO PU AN RELEASE PACKER, NO LUCK, PACKER STUCK, WORK TBG, NO LUCK, CALL OUT WIRELINE.
	12:00 - 14:00	2.00	WELLPR	OTHR	COMPZN	RU WIRELINE, RIH WITH CHEMICAL CUTTER, LOCATE TOP OF VALVE, CUT 8' ABOVE IT, @7708'. POOH WITH CUTTER, PU TBG, CUT. RD WIRELINE. RU TO PULL TBG.
	14:00 - 15:30	1.50	FISH	TRIP	COMPZN	POOH WITH 123 STANDS AN CUT OFF.
	15:30 - 18:00	2.50	FISH	TRIP	COMPZN	RIH WITH 6' EXTENSION WITH CUTRITE ON END, OVERSHOT DRESS FOR 2 3/8" TBG (BODY) ACCELERATOR, X/O AN 83 STANDS OF TBG, @5220', SHUT DOWN THERE ABOVE PERFS., (MV) DRAIN UP EQUIPMENT SECURE WELL SDFN.
2/14/2004	- 07:30					
	07:30 - 08:00	0.50	FISH	SFTY	COMPZN	JSA, SICP 260#, START RIG, BLOW DOWN WELL
	08:00 - 09:00	1.00	FISH	TRIP	COMPZN	RIH WITH 30 STANDS OF TBG, TAG UP FISH AT 7708', RU KELLY HOSE, START AIR, EST. CIRCULATION, 650#
	09:00 - 10:00	1.00	FISH	WASH	COMPZN	C/O TO PACKER, LATCH ON TO PACKER, RELEASE
	10:00 - 12:30	2.50	FISH	TRIP	COMPZN	POOH WITH TBG, ACCE., OVERSHOT, 4' EXTENSION, AN FISH (PACKER)
	12:30 - 16:00	3.50	RPEQPT	TRIP	COMPZN	RIH WITH EXPENABLE CHECK, F-NIPPLE (1.81") 2 3/8" TBG, TAG PBTD, DRIFT TBG IN, PU AN LAND WELL WITH 248 JOINTS OF TBG, 7750' (KB)
	16:00 - 18:00	2.00	WELLPR	SEQP	COMPZN	KILL WELL 10 BBLS OF 2 % KCL, RDFLOOR, RDBOP, RUWH., RU AIR TO TBG, DROP BALL, TEST TBG TO 500#, OKAY, PUMP OUT CHECK @850#, RU AIR ON CSG, UNLOAD WELL UP TBG., CUT OFF AIR, FLOW WELL TO PIT, DRAIN UP EQUIPMENT, RD.

ConocoPhillips

END OF WELL SCHEMATIC

Well Name: **SAN JUAN 29-6 # 103M**

API #: **30-039-27519**

Spud: **26-Dec-2003**

Release: **6-Jan-2004**

RKB TO GROUND LEVEL: **13** FT

ALL DEPTHS ARE FROM RKB

Surface Casing

Date set: **27-Dec-03**

Size **9 5/8** in
Set at **234** ft # Jnts: **5**
Wt. **32.3** ppf Grade **H-40**
Hole Size **12 1/4** in Conn **STC**
Wash Out **150** %
Est. T.O.C. **0** ft

Csg Shoe **234** ft
TD of surface **236** ft

Notified BLM @ _____ hrs on _____
Notified NMOCD @ _____ hrs on _____

Intermediate Casing

Date set: **31-Dec-03**

Size **7** in
Set at **3705** ft # Jnts: **90**
Wt. **20** ppf Grade **J-55**
Hole Size **8 3/4** in Conn **STC**
Wash Out **150** %
Est. T.O.C. **SURFACE**

Csg Shoe **3705** ft
TD of intermediate **3705** ft

Notified BLM @ _____ hrs on _____
Notified NMOCD @ _____ hrs on _____

Production Casing

Date set: **5-Jan-04**

Size **4 1/2** in
Wt. **11.6** ppf Grade: **I-80** from **13** to **7885** ft
Hole Size **6 1/4** in Conn **LTC**
Wash Out: **50** % # Jnts: **183**
Est. T.O.C. _____

Marker Jt: **5061' - 5082'**
Marker Jt: **7526' - 7545'**
Marker Jt: _____

Top of Float Collar **7885** ft
Csg Shoe **7885** ft

TD **7,885** ft

Surface Cmt

Date cmt'd: **27-Dec-03**

Lead : **150** sx **50/50** POZ:Standard
+ **2%** Bentonite + **3%** CaCl2
+ **5** lb/sx Gilsonite + **0.25** lb/sx Cello-Flake
+ **0.2** CFR-3, Yield = **1.34** cuft/sx
201 cuft slurry mixed at **13.5** ppg
Displacement: **15.0** bbls Fresh Wtr
Bump Plug: **00:30** hrs w/ **100** psi
Final Circ Pressure : **50** psi @ **2** bpm
Returns during job: **Yes**
CMT Returns to surface: **5** bbls
Floats Held: **No floats run**
W.O.C. for **15.5** hrs (plug bump to test casing)

Int. Cement

Date cmt'd: **31-Dec-03**

Lead : **370** sx Standard Cement
+ **3%** Econolite + **10** lb/sx PhenoSeal
2.88 cuft/sx, **1064** cuft slurry at **11.5** ppg
Tail: **220** sx **50/50** POZ:Standard Cement
+ **2%** Bentonite
+ **6** lb/sx PhenoSeal
1.33 cuft/sx, **293.0** cuft slurry at **13.5** ppg
Displacement: **148** bbls Fresh Wtr
Bumped Plug at: **18:30** hrs w/ **1500** psi
Final Circ Pressure: **800** psi @ **2** bpm
Returns during job: **Yes**
CMT Returns to surface: **35** bbls
Floats Held: **X** Yes **No**
W.O.C. for **7.75** hrs (plug bump to test casing)

Prod. Cmt

Date cmt'd: **5-Jan-04**

470 sx **50/50** POZ:Standard Cement
+ **3%** Bentonite + **0.2** % CFR-3
+ **0.1%** HR-5 + **0.8%** Halad-9
+ **5** lb/sx PhenoSeal
1.45 cuft/ sx, **681** cuft slurry at **13.1** ppg
Displacement: **122** bbls **2%** KCL water
Bumped Plug at: **11:22** hrs w/ **2000** psi
Final Circ Pressure: **1450** psi @ **2** bpm
Returns during job: **No (None Planned)**
CMT Returns to surface: _____
Floats Held: **Yes**
Mud Wt. @ TD **AIR** ppg

COMMENTS:

Surface: **No float equipment run. Ran guide shoe and aluminum baffle plate 1 jt above guide shoe.**

Intermediate: _____

Production: **The 6-1/4" hole was air drilled and was filled with air when the prod csg was cmt'd. Therefore there were no returns during cmtng.**

CENTRALIZERS:

Surface: **Centralizers @ 213', 191', 147', & 104'**

Total: **4**

Intermediate: **Centralizers @ 3684', 3661', 3595', 3502', 3419', 3336', and 204'**

Total: **7**

Turbolizers @ 2682', 2641', 2600' & 2558'

Total: **4**

Production: **No centralizers run on production casing**

Total: **none**