

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0137
Expires: November 30, 2000

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
NMSF078278

- 1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry Other
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.
Other _____

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

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

At Surface Sec. 10, T29N, R6W; Unit K, 2275' FSL & 2060' FWL

At top prod. interval reported below

At total depth

14. Date Spudded
01/20/200415. Date T.D. Reached
01/31/200416. Date Completed
☐ Borehole Ready to Prod.
03/18/2004

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and no.
NM NMNM 78410A8. Lease Name and Well No.
San Juan 29-6 Unit 31M9. API Well No.
30-039-2751610. Field and Pool, or Exploratory
Basin Dakota11. Sec., T., R., M., on Block and
Survey or Area Sec. 10, T29N, R6W12. County or Parish
Rio Arriba13. State
NM17. Elevations (DF, RKB, RT, GL)*
6511' GL18. Total Depth: MD 7910
TVD19. Plug Back T.D.: MD 7910
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	239		150		0	
8.75	7.0 J-55	20	0	3695		590		0	
6.25	4.5 I-80	11.6	0	7910		470		4060	

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	7761							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) 7764' to 7863'	7764	7863	7764' to 7863'	.34	80	Open
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
7764' to 7863'	Frac'd w/Slickwater @ 1.25g/mg FR; 40,000# 20/40 Super LC & 4136 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
NA	3/16/04	24	→	1.0	660	5.0			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	100	340	→						

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

ACCEPTED FOR RECORD

MAR 31 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	1256
				Ojo Alamo	2470
				Kirtland	2696
				Fruitland	3134
				Pictured Cliffs	3381
				Chacra	4437
				Cliffhouse	5099
				Menefee	5290
				Pt. Lookout	5600
				Gallup	6902
				L. Cubero	7808

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.

Well Name: SAN JUAN 29-6 # 31MAPI #: 30-039-27516Spud: 20-Jan-2004Release: 31-Jan-2004RKB TO GROUND LEVEL: 13 FT

ALL DEPTHS ARE FROM RKB

Surface CasingDate set: 21-Jan-04

Size 9 5/8 in
 Set at 239 ft # Jnts: 5
 Wt. 32.3 ppf Grade H-40
 Hole Size 12 1/4 in Conn STC
 Wash Out 150 % Csg Shoe 239 ft
 Est. T.O.C. 0 ft TD of surface 239 ft

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

Intermediate CasingDate set: 26-Jan-04

Size 7 in
 Set at 3672 ft # Jnts: 90
 Wt. 20 ppf Grade J-55
 Hole Size 8 3/4 in Conn STC
 Wash Out 150 % Csg Shoe 3695 ft
 Est. T.O.C. SURFACE TD of intermediate 3695 ft

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

Production CasingDate set: 31-Jan-04

Size 4 1/2 in
 Wt. 11.6 ppf Grade: I-80 from 13 to 7910 ft
 Hole Size 6 1/4 in Conn LTC
 Wash Out: 50 % # Jnts: 188
 Est. T.O.C. _____

Marker Jt: 5075' - 5085'
 Marker Jt: 7564' - 7574'
 Marker Jt: _____

Top of Float Collar 7910 ft
 Csg Shoe 7910 ft

TD 7,910 ft

Trash Cap
 11" 3M x 11" 3M Casing Spool
 9-5/8" 8 RD x 11" 3M Casing Head

☒ New
☐ Used

☒ New
☐ Used

☒ New
☐ Used

Surface CmtDate cmt'd: 21-Jan-04

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: 14:18 hrs w/ 250 psi
 Final Circ Pressure : 48 psi @ 2 bpm
 Returns during job: Yes
 CMT Returns to surface: 15 bbls
 Floats Held: No floats run
 W.O.C. for 12.25 hrs (plug bump to test casing)

Int. CementDate cmt'd: 26-Jan-04

Lead : 370 sx Standard Cement
 + 3% Econolite + 10 lb/sx PhenoSeal
2.88 cuft/sx, 1065 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: 147 bbls Fresh Wtr
 Bumped Plug at: 01:26 hrs w/ 1500 psi
 Final Circ Pressure: 950 psi @ 2 bpm
 Returns during job: Yes
 CMT Returns to surface: 70 bbls
 Floats Held: Yes X No
 W.O.C. for 13 hrs (plug bump to test casing)

Prod. CmtDate cmt'd: 31-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: 103 bbls 2% KCL water
 Bumped Plug at: _____
 Final Circ Pressure: 3500 psi @ 0.5 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 @ 194'.Intermediate: Float did not hold on cement job, shut in and WOC.

Production: The 6-1/4" hole was air drilled and was filled with air when the prod csg was cmt'd. Displaced cmt w/ 103 bbls of KCl, after 80 bbls pressure began to increase. Pressured up to 3500 psi and shut down. Float held but left 19 bbls of cmt in casing = 1250 ft.
102 bbls cmt in annulus = 5500 ft of cmt.

CENTRALIZERS:Surface: Centralizers @ 219', 194', 150', & 106'Total: 4

Intermediate: Centralizers @ 3675', 3651', 3569', 3486', 3407', 3324', and 201'.
Turbolizers @ 2664', 2623', 2581' & 2547'

Total: 7Total: 4Production: No centralizers run on production casingTotal: none

Operations Summary Report

Legal Well Name: SAN JUAN 29-6 UNIT 031M
 Common Well Name: SAN JUAN 29-6 UNIT 031M
 Event Name: COMPLETION
 Contractor Name: KEY FOUR CORNERS
 Rig Name: KEY ENERGY

Start: 12/18/2003 Spud Date: 1/20/2004
 Rig Release: 1/31/2004 End: 3/18/2004
 Rig Number: 47 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
2/3/2004	06:00 - 07:30	1.50	MOVE	SFTY	MIRU	ATTEND KEY ENERGY MONTHLY SAFETY MTG. DISCUSSED FALL ARREST, SAFETY HARNESS AND DERRICK RESCUE PROCEDURES.
	07:30 - 09:00	1.50	MOVE	MOB	MIRU	CREW TRAVEL TO LOC.
	09:00 - 09:15	0.25	MOVE	SFTY	MIRU	PJSM W/ RIG AND TRUCKING CREW. DISCUSSED THE HAZZARDS OF LOADING AND HAULING EQUIPMENT AND MEASURES TO PREVENT INCIDENT.
	09:15 - 10:00	0.75	MOVE	MOB	MIRU	LOAD PUMP, PIT, ACCUMULATOR, EQUIPMENT SKID, FLOAT, JUNK BASKET AND ROAD FROM SJ 29-6 #102M TO 29-6# 31M.
	10:00 - 10:15	0.25	MOVE	SFTY	MIRU	PJSM, W/ SAME CREWS. DISCUSSED UNLOADING AND SPOTTING OF EQUIPMENT. REVEIUED HAZZARDS INVOLVED AND STEPS TO PREVENT INCIDENT.
	10:15 - 10:45	0.50	RPEQPT	NUND	MIRU	SPOT UNIT. RIG SINKING 2'. PULL UNIT OUT. WAIT FOR BACKHOE TO BUILD PAD.
	10:45 - 11:30	0.75	WELLPR	WOCT	MIRU	WAIT FOR L&R ROUST-ABOUT CREW. RU PUMP AND PIT WHILE WAITING.
	11:30 - 14:00	2.50	WELLPR	OTHR	COMPZN	BUILD UP PAD. RE-SPOT UNIT. RIG STILL SINKING. REPEAT SAME PROCESS TILL RIG AND JACKS NO LONGER SINK. SPOT UNIT.
	14:00 - 15:30	1.50	WELLPR	RURD	COMPZN	RU UNIT. HEAVY SNOW AND LIMITED VISIBILITY SLOWED OPERATIONS.
	15:30 - 16:30	1.00	RPEQPT	NUND	COMPZN	ND MASTER VALVE, NU BOPE. RU ACCUMULATOR. FUNCTION TEST BOP. BOTH PIPE AND BLIND RAMS. PRESSURE TEST NOT REQUIRED. WELL ORE UNABLE TO FLOW GAS. NU FLOOR AND TBG. TOOLS.
	16:30 - 17:15	0.75	RPCOMP	TRIP	COMPZN	MU AND TIH W/ NEW 3 7/8" BAKER ROLLER CONE BIT, BIT SUB AND 30 JTS 2 3/8" TBG. PICKING UP OFF FLOAT. HEAVY SNOW CAUSING FLOAT TO BE SLICK. SD TRIPPING OPERATIONS.
	17:15 - 17:30	0.25	WELLPR	OTHR	COMPZN	SECURE WELL SDFN.
2/4/2004	08:00 - 08:30	0.50	WELLPR	SFTY	COMPZN	PJSM W/ CREW. DISCUSSED DAYS EVENTS, HAZZARDS INVOLVED AND STEPS TO PREVENT INJURY. EMPESIZED ON HEAVY SNOWS AND SLIPPERY SURFACES.
	08:30 - 09:30	1.00	WELLPR	OTHR	COMPZN	THAW OUT FROZEN BOP AND TBG HEAD W/ EXHAUST HEAT.
	09:30 - 13:30	4.00	RPCOMP	PULD	COMPZN	TIH PICKING UP W/ 189 JTS 2 3/8" TBG. TAGGED CMT @ 6820' W/ 219 JTS.
	13:30 - 14:00	0.50	RPEQPT	NUND	COMPZN	PICK UP POWER SWIVEL W/ DOUBLE STIFF ARMS.
	14:00 - 16:30	2.50	DRILL	DRLG	COMPZN	BREAK CIRCULATION W/ KCL. START DRILLING CMT. DRILL 6' AND FELL THRU FOR 8', FOUND WIPER PLUG @ 6834'. CONTINUE DRILLING TO 6900'. CIRCULATE CLEAN.
2/5/2004	16:30 - 17:00	0.50	RPEQPT	NUND	COMPZN	LD POWER SWIVEL. POOH W/ 4 JTS 2 3/8" TBG.
	17:00 - 17:30	0.50	WELLPR	OTHR	COMPZN	DRAIN EQUIPMENT. SECURE WELL SDFN.
	07:00 - 07:30	0.50	WELLPR	SFTY	COMPZN	PJSM W/ CREWS. DISCUSSED DAYS EVENTS. DISCUSSED HAZZARDS INVOLVED AND HOW TO PREVENT INJURY.
	07:30 - 08:00	0.50	RPEQPT	NUND	COMPZN	RU SWIVEL.
	08:00 - 16:30	8.50	DRILL	DRLG	COMPZN	BREAK CIRCULATION W/ KCL. DRILL OUT CMT FROM 6892' TO 7489' W/ 19 JTS 2 3/8" TBG.
2/6/2004	16:30 - 17:15	0.75	DRILL	CIRC	COMPZN	CIRCULATE CLEAN TILL NO CMT RETURNS AT SURFACE. LD SWIVEL. POOH W/ 4 JTS.
	17:15 - 17:45	0.50	WELLPR	OTHR	COMPZN	DRAIN EQUIPMENT. SECURE WELL AND SDFN.
	07:30 - 08:00	0.50	WELLPR	SFTY	COMPZN	PJSM W/ CREW. DISCUSSED DAYS EVENTS, HAZZARDS INVOLVED AND STEPS TO PREVENT INCIDENT.
	08:00 - 08:30	0.50	RPEQPT	PULD	COMPZN	RU SWIVEL. PU JT 2 3/8" TBG. BREAK CIRCULATION W/ KCL.
	08:30 - 14:00	5.50	DRILL	DRLG	COMPZN	DRILL OUT CMT FROM 7489' TO 7908'.
	14:00 - 14:30	0.50	DRILL	CIRC	COMPZN	CIRCULATE WELL BORE W/ 120 BBL CLEAN 2% KCL.

Operations Summary Report

Legal Well Name: SAN JUAN 29-6 UNIT 031M
 Common Well Name: SAN JUAN 29-6 UNIT 031M
 Event Name: COMPLETION
 Contractor Name: KEY FOUR CORNERS
 Rig Name: KEY ENERGY

Spud Date: 1/20/2004
 Start: 12/18/2003 End: 3/18/2004
 Rig Release: 1/31/2004 Group:
 Rig Number: 47

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
2/6/2004	14:30 - 17:00	2.50	RPCOMP	TRIP	COMPZN	POOH LAYING DOWN ON FLOAT W/ 255 JTS 2 3/8" TBG.
	17:00 - 17:15	0.25	WELLPR	OTHR	COMPZN	DRAIN EQUIPMENT. SECURE WELL SDFN.
2/7/2004	07:30 - 08:00	0.50	WELLPR	SFTY	COMPZN	PJSM W/ CREW. DISCUSSED DAYS EVENTS, HAZZARDS INVOLVED AND STEPS TO PREVENT INCIDENT.
	08:00 - 08:45	0.75	EVALWB	PRTS	COMPZN	LOAD CSG W/ 6 BBL 2% KCL. PRESSURE TEST CSG TO 3000# W/ RIG PUMP. TEST WAS GOOD. WITNESSED BY T. MONK W/ KEY ENERGY SERVICES. BLEED OFF PRESSURE.
	08:45 - 11:00	2.25	RPEQPT	NUND	COMPZN	ND BOPE. RD UNIT AND EQUIPMENT.
	11:00 - 11:45	0.75	MOVE	MOB	COMPZN	LOAD EQUIPMET AND MO LOC.
2/8/2004	08:00 - 08:15	0.25	WELLPR	SFTY	COMPZN	PJSM W/ CREW. DISCUSSED DAYS EVENTS, HAZZARDS INVOLVED AND STEPS TO PREVENT INCIDENT.
	08:15 - 11:30	3.25	WELLPR	OTHR	COMPZN	RU SCHLUMBERGER OCS. HOLE LOGGING TRUCK. RU WOOD GROUP TEST UNIT. PU CBL/GR/CCL TOOLS AND RIH AND TAG @ 7908' WLM. PULL CBL LOG W/ 1500# PSI FROM 7908' TO 3500'. FOUND TOP OF CMT @ 4060'. PULLED GR/CCL TO SURFACE.
	11:30 - 12:00	0.50	WELLPR	PRTS	COMPZN	PRESSURE TEST CSG TO 4800#. HELD FOR 15 MIN AND CHARTED TEST. TEST WAS GOOD. WITNESSED BY B. HILTON W/ WOOD GROUP. BLEED DOWN PSI.
	12:00 - 16:30	4.50	WELLPR	OTHR	COMPZN	PU TDT/GR/CCL TOOLS AND RIH AND PULL LOG FROM 7908' TO 2000'. POOH.
	16:30 - 17:00	0.50	WELLPR	OTHR	COMPZN	RD SERVICES COMPANYS. SECURE WELL AND SD AWATING RIGLESS FRAC.
2/9/2004	10:00 - 10:30	0.50	EVALWB	SFTY	COMPZN	HELD SAFETY MEETING.
	10:30 - 13:00	2.50	EVALWB	PRTS	COMPZN	RU ISOLATION. TESTED 4 1/2" CSG TO 6700 # FOR 30 MIN. HELD OK. RD ISOLATION TOOL.
2/10/2004	-	-	-	-	-	HELD SAFETY MEETING.
	-	-	-	-	-	RU Blue Jet. Perforated the Dakota. RIH w/ 3 1/8" 120 degree select fire perforating gun. Perforated from 7764' - 7779' w/ 2 spf, 7812' - 7816' w/ 2 spf, 7832' - 7836' w/ 2 spf, 7846' - 7863' w/ 2 spf. A total of 80 holes w/ 0.34 dia.
2/11/2004	07:00 - 07:30	0.50	STIM	SFTY	COMPZN	Held safety meeting.
	07:30 - 15:00	7.50	STIM	STIM	COMPZN	RU Isolation tool. RU Schlumberger. Frac'd the Dakota. Tested lines to 7715 #. Set pop off @ 6012 #. Broke down formation @ 3 BPM @ 3670 #. Dropped 48 ball sealers in 1000 gals of 15% HCL acid @ 2 ball per bbl and 2 balls per bbl for the remaining 52 balls @ 12 BPM @ 2056 #. A total of 100 balls. Good ball action. Balled off @ 4883 #. RIH w/ junk basket retrieved 100 balls. Pumped pre pad @ 50 BPM @ 3655 #. SDRT 40 BPM @ 3081 #. SDRT 30 BPM @ 2664 #. SDRT 20 BPM @ 2309 #. SDRT 10BPM @ 2015 #. ISIP 1904 #. 5 min 1554 #. 10 min 1447 #. 15 min 1368 #. 20 min 1298 #. 25 min 1240 #. 30 min 1188 #. Frac'd the Dakota w/ Slickwater @ 1.25 g/mg FR. 40,000 # of 20/40 Supper LC and 4136 bbls fluid. Avg rate 61 BPM. Avg psi 4492. Max psi 5189. Max sand cons .40 # per gal. ISIP 2498 #. Frac gradient .68. SWI.
	15:00 - 17:00	2.00	PERF	PERF	COMPZN	RU BLUE JET. RIH w/ 4 1/2" composite plug. Set plug @ 5820'. tested plug to 4800 #. Held ok. Perforated the Mesaverde. RIH w/ 3 1/8" 120 degree select fire perforating gun. Perforated from 5261' - 5269' w/ 1/2 spf, 5274' - 5288' w/ 1/2 spf, 5634' - 5640' w/ 1/2 spf, 5662' - 5690' w/ 1/2 spf, 5707' - 5719' w/ 1/2 spf. A total of 39 holes w/ 0.34 dia. RD Blue Jet.
2/12/2004	08:00 - 08:30	0.50	STIM	SFTY	COMPZN	Held safety meeting.
	08:30 - 15:00	6.50	STIM	STIM	COMPZN	Frac the Mesaverde. Tested lines to 7745 #. Set pop off @ 4560 #. Brok down formation @ 4 BPM @ 2190 #. Pumped 1000 gals of 15 % HCL acid @ 5 BPM @ 68 #. Pumped pre pad @ 38 BPM @ 612 #. SDRT 30 BPM @ 168 #. SDRT 25 BPM @ 0 ISIP 0 #. Frac THE MV w/ 65 Q

Operations Summary Report

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 Common Well Name: SAN JUAN 29-6 UNIT 031M
 Event Name: COMPLETION
 Contractor Name: KEY FOUR CORNERS
 Rig Name: KEY ENERGY

Start: 12/18/2003 Spud Date: 1/20/2004
 Rig Release: 1/31/2004 End: 3/18/2004
 Rig Number: 47 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
2/12/2004	08:30 - 15:00	6.50	STIM	STIM	COMPZN	Slick Foam w/ 1.0 g/mg FR. 175,000 # of 20/40 Brady sand. Treated the last 15% of total proppant volume with propnet for proppant flowback control. 2025 bbls fluid. 2,418,700 SCF N2. Avg rate 55 BPM. Avg psi 2874. Max psi 3143. Max sand cons 1.5 # per gal. ISIP 1635 #. Frac gradient .44. SWI. RD Schlumberger.
2/26/2004	07:30 - 08:00	0.50	WELLPR	SFTY	COMPZN	PJSM W/ RIG CREW, TRUCKING COMPANY AND CAT SKINNER. DISCUSSED CONDITIONS AND HAZZARDS ASSOCIATED W/ MOBILIZING UNIT AND EQUIPMENT.
	08:00 - 14:00	6.00	MOVE	MOB	COMPZN	LOAD AND MOBILIZE UNIT AND EQUIPMENT FROM SJ 29-6 #102M TO SJ 29-6 # 31m. VERY MUDDY CONDITIONS. MOVED UNIT AND EQUIPMENT TO LOC. ATTEMPTED TO SPOT RIG W/ CAT AND RIG-UP TRUCK. WAS UNSUCCESSFUL. SD OPERATIONS PENDING DRYER CONDITIONS.
	14:00 -		WELLPR	WOW	COMPZN	WAIT FOR BREAK IN WEATHER. CONDITIONS TO BAD TO SAFELY OPERATE.
3/8/2004	07:15 - 07:40	0.42	WELLPR	SFTY	COMPZN	PJSM W/ RIG CREW, TRUCKING COMPANY AND ROUST-ABOUT CREW. DISCUSSED RIGGING UP AND HAZZARDS ASSOCIATED W/ TASK.
	07:40 - 09:00	1.33	RPEQPT	RURD	COMPZN	SPOT MATTING BOARD. SPOT UNIT. SPOT PUMP, PIT, PIPE BASKET, EQUIP. SKID, ACCUMULATOR JUNK BASKET AND TBG. FLOAT.
	09:00 - 09:30	0.50	RPEQPT	OTHR	COMPZN	RIG INSPECTION.
	09:30 - 11:30	2.00	RPEQPT	RURD	COMPZN	RU KEY RIG # 15, RU PUMP, PIT, AIR, AND 2" BLOW LINE TO PIT.
	11:30 - 12:00	0.50			COMPZN	BREAK FOR LUNCH.
	12:00 - 13:00	1.00	RPEQPT	KLWL	COMPZN	CHECK SICP. =300#. BLEED PRESSURE DOWN TO 200# AND KILL W/ 30 BBL KCL.
	13:00 - 13:45	0.75	RPEQPT	NUND	COMPZN	ND FRAC STACK, INSTALL PLUGGED TBG. HANGER, TIGHTEN LOCK DOWN PINS. NU BOPE.
	13:45 - 15:00	1.25	RPEQPT	NUND	COMPZN	RU BLOOIE TEE AND BLOOIE LINE. SPOT CONCRETE BLOCKS.
	15:00 - 17:00	2.00	WELLPR	OTHR	COMPZN	BACK DRAG LOCATION TO REMOVE TRIP HAZZARDS. REBUILD PACKING IN POWER SWIVEL.
3/9/2004	17:00 - 17:15	0.25	WELLPR		COMPZN	SECURE WELL SDFN.
	07:15 - 07:40	0.42	WELLPR	SFTY	COMPZN	PJSM W/ CREWS. DISCUSSED DAYS EVENTS AND WAYS TO PREVENT INCIDENT.
	07:40 - 09:00	1.33	WELCTL	BOPE	COMPZN	RU WOOD GROUP TEST UNIT. TEST BOPE. 250# LOW FOR 5 MIN AND 3000# HIGH FOR 15 MIN. TEST WAS GOOD. WITNESSED BY T. MONK W/ KEY ENERGY SERVICES. RELEASE WOOD GROUP.
	09:00 - 10:30	1.50	RPCOMP	TRIP	COMPZN	RELEASE HANGER. AND REMOVE. TIH TALLYING AND PICKING UP FROM FLOAT W/ 96 JTS 2 3/8" TBG. (2987')
	10:30 - 11:30	1.00	RPCOMP	CIRC	COMPZN	BREAK CIRCULATION W/ AIR AND UNLOAD HOLE.
	11:30 - 13:00	1.50	RPCOMP	TRIP	COMPZN	CONTINUE TO TIH W/ 94 JTS 2 3/8" TBG AND TAG FILL @ 5740' (21' BELOW BOTTOM MV PERF).
	13:00 - 15:00	2.00	RPCOMP	FCO	COMPZN	BREAK CIRCULATION W/ AIR MIST. UNLOAD HOLE AND C/O FRAC SAND FROM 5740' TO CBP @ 5818'. (C/O 3 JTS)
	15:00 - 17:00	2.00	RPCOMP	CIRC	COMPZN	CIRCULATE TILL SLIGHT TRACE OF SAND IS REALIZED.
	17:00 - 17:30	0.50	RPCOMP	TRIP	COMPZN	POOH W/ 22 JTS 2 3/8" TBG.
	17:30 - 17:45	0.25	WELLPR	OTHR	COMPZN	SECURE WELL SDFN.
3/10/2004	07:15 - 07:40	0.42	WELLPR	SFTY	COMPZN	PJSM W/ CREWS. DISCUSSED DAYS EVENTS AND WAYS TO PREVENT INCIDENT. SICP=290#
	07:40 - 08:10	0.50	RPCOMP	TRIP	COMPZN	TIH W/ 22 JTS 2 3/8" TBG. TAG FILL @ 5806' KB.
	08:10 - 12:00	3.83	RPCOMP	CIRC	COMPZN	BREAK CIRCULATION W/ AIR. UNLOAD HOLE. CLEAN OUT FILL FROM 7806' TO CBP @ 5818'. CIRCULATE TILL NO SAND REALIZED AND JUST A LIGHT MIST FOR RETURNS.

Operations Summary Report

Legal Well Name: SAN JUAN 29-6 UNIT 031M
 Common Well Name: SAN JUAN 29-6 UNIT 031M
 Event Name: COMPLETION
 Contractor Name: KEY FOUR CORNERS
 Rig Name: KEY ENERGY

Spud Date: 1/20/2004
 Start: 12/18/2003 End: 3/18/2004
 Rig Release: 1/31/2004 Group:
 Rig Number: 47

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
3/10/2004	12:00 - 12:30	0.50	RPCOMP	TRIP	COMPZN	POOH W/ 22 JTS 2 3/8" TBG TO 5133'. OPEN WELL UP THROUGH CSG FLOWING ON 1/2" CHOKE. (BOTTOM HOLE STRING FLOAT IN TBG.). FLOW TEST MV FORMATION FOR 5 HRS AS FOLLOWS. MV PERFS FROM 5261' TO 5719'. 39 HOLES @ .5 SPF 2 3/8" TBG SET @ 5133'. (TBG. STRING HAS BOTTOM HOLE STRING FLOAT. UNABLE TO FLOW UP TBG.) TESTED ON 1/2" CHOKE W/ COEFICIENT OF 6.6 SITP= N/A FCP= 210# MV PRODUCTION= 1386 MCFPD. 5 BWPD 1/2 BOPD NO SAND. TEST WITNESSED BY T. MONK W/ KEY ENERGY SERVICES.
	12:30 - 17:30	5.00	FLOWT	OPNW	COMPZN	
3/11/2004	17:30 - 17:45	0.25	WELLPR	OTHR	COMPZN	SECURE WELL SDFN. WILL DRILL CBP IN THE AM. PJSM W/ CREWS. DISCUSSED DAYS EVENTS AND WAYS TO PREVENT INCIDENT. SICP=300#
	07:15 - 07:40	0.42	WELLPR	SFTY	COMPZN	
	07:40 - 08:00	0.33	RPCOMP	TRIP	COMPZN	TIH W/ 22 JTS 2 3/8" TBG. TAG FILL @ 5808'. (10' FILL OVERNIGHT).
	08:00 - 09:30	1.50	RPCOMP	CIRC	COMPZN	BREAK CIRCULATION W/ AIR. UNLOAD HOLE.
	09:30 - 10:30	1.00	RPCOMP	FCO	COMPZN	C/O FILL FROM 5808' TO CBP @ 5818'. CIRCULATE CLEAN.
	10:30 - 11:00	0.50	RPEQPT	RURD	COMPZN	RU POWER SWIVEL.
	11:00 - 11:30	0.50	DRILL	DRLG	COMPZN	DRILL OUT CBP @ 5818'. PRESSURE UP FROM 500# TO 760#.
	11:30 - 13:00	1.50	RPCOMP	CIRC	COMPZN	CIRCULATE TILL PRESSURE DROPS. WELL SLUGGING HEAVY FLUID AND SAND.
	13:00 - 14:00	1.00	RPCOMP	TRIP	COMPZN	TIH TALLYING AND PICKING UP FROM FLOAT W/ 64 JTS 2 3/8" TBG. TAG FILL @ 7806'.
	14:00 - 14:30	0.50	RPCOMP	FCO	COMPZN	CLEAN OUT FILL FROM 7806' TO 7808' AND FOUND TIGHT SPOT IN CSG. WORK TO GET THROUGH. COULD NOT. MILL TRYING TO STICK IN CSG. CONTACTED ENGINEERING.
3/12/2004	14:30 - 16:00	1.50	RPCOMP	CIRC	COMPZN	CIRCULATE TILL SAND SLOWED TO 1/2 CUP PER 5 GAL.
	16:00 - 17:15	1.25	RPCOMP	TRIP	COMPZN	LD SWIVEL. POOH W/ 100 JTS 2 3/8" TBG.
	17:15 - 17:30	0.25	WELLPR	OTHR	COMPZN	SECURE WELL SDFN.
	07:15 - 07:30	0.25	WELLPR	SFTY	COMPZN	PJSM W/ CREWS. DISCUSSED DAYS EVENTS AND WAYS TO PREVENT INCIDENT. SICP=310#
	07:30 - 09:00	1.50	RPCOMP	TRIP	COMPZN	OPEN CSG. UP BLEED CSG DOWN. TOO H W/ 152 JTS 2 3/8" TBG. LD 3 7/8" MILL.
	09:00 - 11:00	2.00	RPCOMP	TRIP	COMPZN	MU AND IH W/ 3 1/4" PILOT MILL , 3 3/4" STRING MILL AND 252 JTS 2 3/8" TBG. TAG FILL @ 7806'.
	11:00 - 12:00	1.00	RPCOMP	CIRC	COMPZN	BREAK CIRCULATION W/ AIR. UNLOAD HOLE.
	12:00 - 16:30	4.50	RPCOMP	FCO	COMPZN	MILL TIGHT SPOT FROM 7808' TO 7809'. C/O FILL FROM 7809' TO 7878'.
	16:30 - 17:30	1.00	RPCOMP	CIRC	COMPZN	CIRCULATE CLEAN.
	17:30 - 17:45	0.25	WELLPR	OTHR	COMPZN	SECURE WELL SDFN.
3/13/2004	07:15 - 07:35	0.33	WELLPR	SFTY	COMPZN	PJSM W/ CREWS. DISCUSSED DAYS EVENTS AND WAYS TO PREVENT INCIDENT. SICP=390#
	07:35 - 08:10	0.58	RPCOMP	TRIP	COMPZN	BLEED CSG DOWN. TIH W/10 JTS 2 3/8" TBG. TAG FILL @ 7876'.
	08:10 - 10:45	2.58	RPCOMP	CIRC	COMPZN	BREAK CIRCULATION W/ AIR. UNLOAD 40 TO 50 BBL FLUID. (TOOK A LONG TIME TO SEE RETURNS @ SURFACE).
	10:45 - 13:00	2.25	RPCOMP	FCO	COMPZN	CLEAN OUT FILL FROM 7876' TO PBTD OF 7906'. WORKED MILLS THROUGH PERFS TO BE SURE THERE ARE NO TIGHT SPOTS.

Operations Summary Report

Legal Well Name: SAN JUAN 29-6 UNIT 031M
 Common Well Name: SAN JUAN 29-6 UNIT 031M
 Event Name: COMPLETION
 Contractor Name: KEY FOUR CORNERS
 Rig Name: KEY ENERGY

Start: 12/18/2003 Spud Date: 1/20/2004
 Rig Release: 1/31/2004 End: 3/18/2004
 Rig Number: 47 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
3/13/2004	13:00 - 16:00	3.00	RPCOMP	CIRC	COMPZN	CIRCULATE CLEAN.
	16:00 - 16:30	0.50	RPCOMP	TRIP	COMPZN	POOH W/ 14 JTS 2 3/8" TBG.
	16:30 - 16:45	0.25	WELLPR	OTHR	COMPZN	SECURE WELL SDFN.
3/15/2004	07:15 - 07:30	0.25	WELLPR	SFTY	COMPZN	PJSM W/ CREWS. DISCUSSED DAYS EVENTS AND WAYS TO PREVENT INCIDENT. SICP=390#
	07:30 - 08:30	1.00	RPCOMP	TRIP	COMPZN	KILL WELL W/ 30 BBL. POOH W/ 152 JTS 2 3/8" TBG. LD MILL. NOTICED MED. SCALE ON INSIDE AND OUTSIDE OF BOTTOM 70 JTS TBG. CALLED UNICHEM TO GET WATER AND SCALE SAMPLES.
	08:30 - 10:30	2.00	RPCOMP	TRIP	COMPZN	MU AND TIH W/ SCHLUMBERGER 4.5" HD PKR, TBG. TEST VALVE AND 246 JTS 2 3/8" TBG. WELL STARTED FLOWING AND RETURNING SAND. DECIDED TO LEAVE PKR UNSET.
3/16/2004	10:30 - 16:30	6.00	RPCOMP	CIRC	COMPZN	BREAK CIRCULATION W/ AIR. UNLOAD WELL. RETRIVED KILL WATER. WELL RETURNING 1.5 TO 3 CUPS SAND PER 5 GAL BUCKET. TOO MUCH SAND TO SET PKR. CIRCULATE REMAINDER OF DAY. 4:00 PM SAND TO A SLIGHT TRACE.
	16:30 - 17:30	1.00	RPCOMP	TRIP	COMPZN	KILL TBG W/ 5 BBL. POOH W/ 82 JTS TBG. TO GET ABOVE MV.
	17:30 - 17:45	0.25	WELLPR	OTHR	COMPZN	SECURE WELL SDFN.
3/16/2004	07:00 - 07:15	0.25	WELLPR	SFTY	COMPZN	PJSM W/ CREWS. DISCUSSED DAYS EVENTS AND WAYS TO PREVENT INCIDENT. SICP=390#
	07:15 - 07:45	0.50	RPCOMP	OWFF	COMPZN	OPEN UP CSG. WELL RETURNING MED FLUID AND 1 CUP SAND PER 5 GAL.
	07:45 - 08:45	1.00	RPCOMP	CIRC	COMPZN	BREAKCIRCULATION W/ AIR AND UNLOAD HOLE.
3/16/2004	08:45 - 09:15	0.50	RPCOMP	DHEQ	COMPZN	SET PKR ABOVE MV FORMATION TO ENSURE TOOLS NOT SANDED UP. SET OK. UNSET PKR.
	09:15 - 10:15	1.00	RPCOMP	TRIP	COMPZN	TIH W/ 82 JTS 2 3/8" TBG TO 7652'. WELL STILL FLOWING 1 CUP SAND PER 5 GAL FLUID. CONTACTED ENGINEERING. DECIDED TO CIRC. TILL CLEAN.
	10:15 - 12:15	2.00	RPCOMP	CIRC	COMPZN	BREAK CIRCULATION W/ AIR. UNLOAD WELL. CIRCULATE WELL TILL SLIGHT TRACE OF SAND RETURNING. 12:00 SD MIST AND LET WELL DRYUP. 12:30 SD AIR.
3/16/2004	12:15 - 12:45	0.50	RPCOMP	OWFF	COMPZN	FLOW NATURAL AND OBSERVE WELL FOR SAND PRODUCTION. SLIGHT TRACE RETURNING.
	12:45 - 13:00	0.25	RPEQPT	MPSP	COMPZN	SET PKR @ 7652' OPEN TBG VALVE. RU FLOW LINE W/ 1/2" CHOKE.
	13:00 - 17:00	4.00	FLOWT	PRDT	COMPZN	FLOW TEST DK FORMATION FOR 4 HRS AS FOLLOWS. DK PERFS- 7764' TO 7863'. 2 3/8" TBG W/ PKR SET @ 7652'. TESTED ON 1/2" CHOKE W/ COEFICIENT OF 6.6. SICP= 340#, FTP= 100#. DK PRODUCTION= 660 MCFPD. 1 BOPD, 5 BWPD, NO SAND. TEST WITNESSED BY T. MONK W/ KEY ENERGY SERVICES.
3/17/2004	17:00 - 17:15	0.25	RPCOMP	PACK	COMPZN	RELEASE PKR.
	17:15 - 17:45	0.50	RPCOMP	TRIP	COMPZN	POOH W/ 90 JTS 2 3/8" TBG TO GET ABOVE MV PERFS.
	17:45 - 18:00	0.25	WELLPR	OTHR	COMPZN	SECURE WELL SDFN.
3/17/2004	07:00 - 07:15	0.25	WELLPR	SFTY	COMPZN	PJSM W/ CREWS. DISCUSSED DAYS EVENTS AND WAYS TO PREVENT INCIDENT. SICP=390#
	07:15 - 09:15	2.00	RPCOMP	TRIP	COMPZN	OPEN UP CSG. TOOH W/ 86 JTS 2 3/8" TBG. STARTED SEEING HEAVY SCALE INSIDE AND OUTSIDE OF TBG. CONTINUE TO TOOH W/ 70 JTS AND LD ON FLOAT. (FLOW BACK WATER SAMPLES SHOWED 57.2 PPM H2S AND 900 PPM CO2) LD PACKER AND TBG. VALVE.
	09:15 - 11:00	1.75	RPCOMP	TRIP	COMPZN	MU AND TIH DRIFTING EVERY STAND W/ 2 3/8" MS EXPENDABLE CK, 1.81" F NIPPLE AND 176 JTS 2 3/8" TBG.
3/17/2004	11:00 - 14:30	3.50	RPCOMP	CIRC	COMPZN	WAIT FOR REPLACEMENT JTS. BREAK CIRCULATION W/ AIR AND

Operations Summary Report

Legal Well Name:	SAN JUAN 29-6 UNIT 031M	Spud Date:	1/20/2004
Common Well Name:	SAN JUAN 29-6 UNIT 031M	Start:	12/18/2003
Event Name:	COMPLETION	End:	3/18/2004
Contractor Name:	KEY FOUR CORNERS	Rig Release:	1/31/2004
Rig Name:	KEY ENERGY	Group:	
		Rig Number:	47

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
3/17/2004	11:00 - 14:30	3.50	RPCOMP	CIRC	COMPZN	UNLOAD WELL AND RU REMOTE ACCUMULATOR CONTROL PANEL WHILE WAITING.
	14:30 - 14:45	0.25	RPEQPT	OTHR	COMPZN	SPOT TBG FLOAT ON LOC.
	14:45 - 16:00	1.25	RPCOMP	TRIP	COMPZN	TALLY AND TIH DRIFTING EVERY JT W/ 63 JTS 2 3/8" TBG. TAG FILL @ 7868'. (38' FILL)
	16:00 - 17:45	1.75	RPCOMP	CIRC	COMPZN	BREAK CIRCULATION W/ AIR. UNLOAD WELL AND C/O FILL FROM 7868' TO PBTD OF 7906'. CIRCULATE CLEAN.
	17:45 - 18:00	0.25	RPCOMP	TRIP	COMPZN	POOH W/ 8 JTS AND LD ON FLOAT. (RETURNING 8 JTS TO TUBOSCOPE AS B COND. TBG.)
3/18/2004	18:00 - 18:15	0.25	RPCOMP	OTHR	COMPZN	SECURE WELL SDFN
	07:00 - 07:15	0.25	WELLPR	SFTY	COMPZN	PJSM W/ CREWS. DISCUSSED DAYS EVENTS AND WAYS TO PREVENT INCIDENT. SICP=400#
	07:15 - 08:00	0.75	RPCOMP	OTHR	COMPZN	PUMP 3 BBL KCL, DROP BALL. PRESSURE UP W/ AIR TO 900#. HELD PRESSURE ON TBG FOR 10 MIN TO TEST. TEST WAS GOOD. WITNESSED BY T. MONK W/ KEY ENERGY SERVICES. PRESSURE ON UP TO 1000# AND PUMP OUT CHECK.
	08:00 - 08:45	0.75	RPEQPT	NUND	COMPZN	LAND TBG HANGER AND LOCK DOWN. EOT LANDED @ 7761' KB. TOP OF 1.81" F NIPPLE @ 7759'. ND BOPE, NU MASTER VALVE.
	08:45 - 09:45	1.00	RPEQPT	NUND	COMPZN	RD UNIT, PUMP PIT AND AIR PACKAGE. LET WELL FLOW UP TBG. AND CSG TO ENSURE CKECK IS GONE AND TO PURGE AIR FROM SYSTEM.
	09:45 - 10:45	1.00	RPEQPT	NUND	COMPZN	RD 2" LINE AND BLOOIE LINE. LOAD EQUIPMENT. MOVE OFF LOC. TURN OVER TO LINO HERNANDEZ TO COMPLETE FACILITIES. FINAL REPORT.