

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

1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Other			5. Lease Serial No. NMSF078999		
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr. Other _____			6. If Indian, Allottee or Tribe Name		
2. Name of Operator CONOCOPHILLIPS COMPANY			7. Unit or CA Agreement Name and No. NMMN78421C		
3. Address 5525 HIGHWAY 64 FARMINGTON, NM 87401			8. Lease Name and Well No. SJ 31-6 231A		
3a. Phone No. (include area code) Ph: 832.486.2326			9. API Well No. 30-039-27410-00-S1		
4. Location of Well (Report location clearly and in accordance with Federal requirements)* Sec 27 T31N R6W Mer NMP At surface SWNW 1905FNL 490FWL 36.87250 N Lat, 107.45690 W Lon At top prod interval reported below At total depth			10. Field and Pool, or Exploratory BASIN FRUITLAND COAL		
14. Date Spudded 08/08/2003			15. Date T.D. Reached 08/11/2003		
16. Date Completed ☐ D & A ☒ Ready to Prod. 10/11/2003			17. Elevations (DF, KB, RT, GL)* 6313 GL		
18. Total Depth: MD 3251 TVD			19. Plug Back T.D.: MD 2932 TVD		
20. Depth Bridge Plug Set: MD TVD			21. Type Electric & Other Mechanical Logs Run (Submit copy of each) NONE		
22. Was well cored? ☒ No ☐ Yes (Submit analysis) Was DST run? ☒ No ☐ Yes (Submit analysis) Directional Survey? ☐ No ☒ Yes (Submit analysis)					

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
12.250	9.625 H40	32.0	0	222		150		0	
8.750	7.000 J55	20.0	0	2932		465		0	

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	3151							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) FRUITLAND COAL	2932	3251	2932 TO 3251			OPENHOLE
B)						
C)						
D)						

26. Perforation Record

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

Depth Interval	Amount and Type of Material
2932 TO 3251	CAVITATION

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
10/17/2003	10/09/2003	24	→	0.0	404.0	0.0			ELECTRIC PUMPING UNIT
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well Status	
PITOT	SI	135.0	→	0	404	0		PGW	

28a. 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	
	SI		→						

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

ELECTRONIC SUBMISSION #26246 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED **

NMOCD

FARMINGTON FIELD OFFICE

MAR 08 2004

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 of 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
SAN JOSE	0	1198		NACIMIENTO	1203
NACIMIENTO	1198	2356		OJO ALAMO	2333
OJO ALAMO	2356	2474		KIRTLAND	2448
				FRUITLAND	2853
				PICTURED CLIFFS	3313

32. Additional remarks (include plugging procedure):

This well is a single producing from the Basin Fruitland Coal. Attached is the daily summaries and a current wellbore schematic.

33. Circle enclosed attachments:

- | | | | |
|---|--------------------|---------------|-----------------------|
| 1. Electrical/Mechanical Logs (1 full set req'd.) | 2. Geologic 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):

Electronic Submission #26246 Verified by the BLM Well Information System.
For CONOCOPHILLIPS COMPANY, sent to the Farmington
Committed to AFMSS for processing by ADRIENNE GARCIA on 03/08/2004 (04AXG2000SE)

Name (please print) DEBORAH MARBERRYTitle SUBMITTING CONTACT

Signature _____ (Electronic Submission)

Date 01/27/2004

Title 18 U.S.C. Section 1001 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 any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ****

ConocoPhillips

END OF WELL SCHEMATIC

Well Name: San Juan 31-6 # 231A
 API #: 30-039-27410
 Location: 1905' FNL & 490' FWL
Sect 27 - T31N - R6W
Rio Arriba County, NM
 Elevation: 6313' GL (above MSL)
 Drl Rig RKB: 13' above Ground Level
 Datum: Drl Rig RKB = 13' above GL

Note - this well is equipped with rods and a pump
 7-1/16" 3M x 2-3/8" EUE 8rd Bonnet
 11" 3M x 7-1/16" 3M Tubing Head
 9-5/8" 8 RD x 11" 3M Casing Head

Spud: 8-Aug-2003
 Release Drl Rig: 11-Aug-2003
 Move In Cav Rig: 22-Sep-2003
 Release Cav Rig: 10-Oct-2003

Surface Casing Date set: 9-Aug-03
 Size 9 5/8 in
 Set at 222 ft # Jnts: 7
 Wt. 32.3 ppf Grade H-40
 Hole Size 12 1/4 in Conn STC
 Excess Cmt 125 %
 T.O.C. SURFACE

Csg Shoe 222 ft
 TD of 12-1/4" hole 232 ft

Notified BLM @ 20:40 hrs on 7-Aug-2003
 Notified NMOCD @ 20:40 hrs on 7-Aug-2003

Intermediate Casing Date set: 11-Aug-03
 Size 7 in 69 jts
 Set at 2932 ft 0 pups
 Wt. 20 ppf Grade J-55
 Hole Size 8 3/4 in Conn STC
 Excess Cmt 150 %
 T.O.C. SURFACE

Csg Shoe 2932 ft
 TD of 8-3/4" Hole 2938 ft

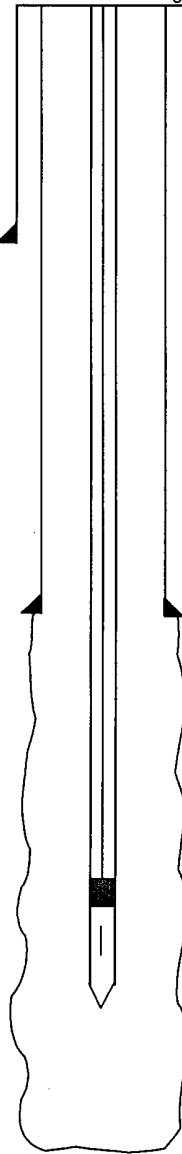
Notified BLM @ 8:00 hrs on 10-Aug-03
 Notified NMOCD @ 8:00 hrs on 10-Aug-03

Note:

We cavitated this well - but we did not run a liner in it.
 We ran a tubing string and a pump - but no liner.
 The tubing was set 100' off bottom

☒ New
☐ Used

☒ New
☐ Used



TD 3,251 ft

Surface Cement

Date cmt'd: 9-Aug-03
 Lead : 150 sx Class G Cement
+ 2% S001 Calcium Chloride
+ 0.25 lb/sx D029 Cellophane Flakes
1.16 cuft/sx, 174 cuft slurry at 15.8 ppg
 Displacement: 15.0 bbls fresh wtr
 Bumped Plug at: 02:45 hrs w/ 380 psi
 Final Circ Press: 55 psi @ 0.5 bpm
 Returns during job: YES
 CMT Returns to surface: 10 bbls
 Floats Held: No floats used
 W.O.C. for 8.0 hrs (plug bump to csg pressure test)

Intermediate Cement

Date cmt'd: 11-Aug-03
 Lead : 365 sx Class G Cement
+ 3% D079 Extender
+ 0.25 lb/sx D029 Cellophane Flakes
+ 0.2% D046 Antifoam
2.61cuft/sx, 952.7 cuft slurry at 11.7 ppg
 Tail : 100 sx 50/50 POZ : Class G cement
+ 2% D020 Bentonite
+ 2% S001 Calcium Chloride
+ 5 lb/sx D024 Gilsonite
+ 0.25 lb/sx D029 Cellophane Flakes
+ 0.2% D046 Antifoam
1.27 cuft/sx, 127 cuft slurry at 13.5 ppg
 Displacement: 117 bbls
 Bumped Plug at: 11:45 hrs w/ 1100 psi
 Final Circ Press: 625 psi @ 2 bpm
 Returns during job: YES
 CMT Returns to surface: 15 bbls
 Floats Held: X Yes ___ No

COMMENTS:

Surface: No float equipment was run. Ran a guide shoe and an aluminum baffle plate 1 jt above the guide shoe.
Displaced top wiper plug with water. Shut in casing head w/ 130 psi and WOC before backing out landing jt.

Intermediate: Displaced cement on 7" job with 20 bbls fresh water plus 97 bbls drill water for a total of 117 bbls total displacement.
 Production: Ran 2-3/8" 4.7# J-55 EUE 8rd tubing with mud anchor, split perf sub, and F Nipple (EOT at 3151' MD RKB)
Ran pump and rods

CENTRALIZERS:

Surface: CENTRALIZERS @ 212', 162', 133', & 74'. Total: 4
 Intermediate: CENTRALIZERS @ 2922', 2840', 2755', 2666', 2578', 2489', & 197'. Total: 7
TURBOLIZERS @ 2446', 2401', 2357' Total: 3

Operations Summary Report

Legal Well Name: SAN JUAN 31-6 UNIT # 31R F 000 31A

Common Well Name: SAN JUAN 31-6 FRUITLAND # 31A UNIT

Spud Date: 8/8/ 003

Event Name: Original Completion

Start: 9/ / 003

End: 10/10/ 003

Contractor Name: KEY FOUR CORNERS

Rig Release: 10/10/ 003 Group:

Rig Name: KEY ENERGY

Rig Number: 940

Date	From - To	Hours	Code	Subco	Phase	Description of Operations
9/ 3/ 003	07:00 - 07:30	0.50	MV	c	70DMOB	HOLD PRE MOVE SAFETY MEETING ON LOCATION.
	07:30 - 14:00	6.50	MV	1	70DMOB	MOVE KEY #940 TO SJ 31-6 # 31A LOCATION.
	14:00 - 19:00	5.00	CM	6	80CMPL	BEGIN RIGGING UP RIG. NU BOP STACK. SDON.
9/ 4/ 003	07:00 - 07:30	0.50	CM	c	80CMPL	SAFETY MEETING.
	07:30 - 19:00	11.50	CM	6	80CMPL	CONTINUE RIGGING UP RIG, BLOOEY LINES AND ELECRITAL. MAKE MINOR RIG REPAIRS. SDFN
	-		CM		80CMPL	
	-		CM		80CMPL	
9/ 5/ 003	07:00 - 10:00	3.00	CM	c	80CMPL	CONOCO/PHILLIPS - FOURCAT SAFTY MEETING
	10:00 - 13:30	3.50	RM	k	80CMPL	RIG MAINTENANCE. CHANGE OUT DRILLING LINE
	13:30 - 15:30	2.00	CM	8	80CMPL	PRESSURE TEST BLIND RAMS AND 7 " CASING TO 3000 PSI 1800PSI FOR 30 MIN. CHART PRESSURES AS PER BLM REI SET TEST PLUG IN TUBING HANGER AND PRESSURE 1 BOTH BLINDS AND PIPE RAMS TO 3000 PSI 10 MIN EA OK
	15:30 - 0:00	4.50	CM		80CMPL	PU 6 1/4" RR BUTTON BIT , 14-3 1/ " DCS & STRAP IN 7/8" DRILL PIPE. TAG UP AT 854 '
	0:00 - 1:00	1.00	DR	5	50PRDR	PICK UP SWIVEL AND UNLOAD CASING WITH 1800 CFM AIR/
	1:00 - 3:00	2.00	DR	1	50PRDR	DRILL SOFT CEMENT, FC AND SHOE JOINT TO 93 '
	3:00 - 03:00	4.00	DR	z	50PRDR	LOST MAIN HYDRAULIC HOSE ON AIR BOOSTER. WO MECHAI & MAKE REPAIRS.
	03:00 - 06:00	3.00	DR	1	50PRDR	DRILLING 6 1/4" OPEN HOLE FR 933'- 3000' W/1800CFM / 10BPH MIST W/1-GAL FOAMER+INHIBITOR. CIRCULATING PRESSURE- 400PSI. WOB- 4-6K, 70RPMS.
9/ 6/ 003	06:00 - 07:00	1.00	DR	1	50PRDR	DRILLING 6 1/4" OPEN HOLE FROM 3000' - 3043' WITH 1600C AIR-MIST. CIRCULATION PRESSURE - 400 PSI. WOB -8K, 70
	07:00 - 07:30	0.50	DR	c	50PRDR	CREW CHANGE. SAFTY MEETING, RIG SERVICE.
	07:30 - 1:30	5.00	DR	1	50PRDR	DRILLING 6 1/4" OPEN HOLE FROM 3043 -3 51'(TD) WITH 16 AIR-MIST. CIRCULATION PRESSURE-400 PSI. WOB-8K, 70 RPMS. CIRCULATE AND CONDITION HOLE @3 51 ' EVALUATE COAL S H O W S A S P E R M U D L O G : THIN COAL SHALE INTERBED. NO GAS
						303 '-34', 3035'-36' & 3053'-56' COAL VARIES FROM FLAT BLA SEMI-BRIGHT BLACK SATIN. CLEATING VARIES FROM FAIR TO MODERTE. 369 UNITS OF GAS.
						3098'-3101', 3103'-05, 3108'-3118' MOSTLEY SEMI-BRIGHT INTERMEDIATE SATIN WITH SOME BRIGHT BLACK STREAKS. GOOD CLEATING. 443 UNITS GAS.
						DULL BLACK COAL WITH SOME SEMI BRIGHT INTERMEDIATE SATIN. FAIR CLEATING. 440 UNITS GAS.
						3190'-3 01', FLAT DULL BLACK TO SE INTERMEDIATE SATIN COAL. MODERATE CLEATING. 46 UNITS GAS TOTAL COAL- 55'
	14:15 - 14:30	0.5	CM		80CMPL	PULL UP INSIDE 7" CASING LAYING DOWN 10 JTS OF
	14:30 - 15:30	1.00	CM	u	80CMPL	60 MIN. INITIAL FLOW TEST FROM " CHOKE LINE

Operations Summary Report

Legal Well Name: SAN JUAN 31-6 UNIT # 31R F 000 31A

Common Well Name: SAN JUAN 31-6 FRUITLAND # 31A UNIT Spud Date: 8/8/ 003

Event Name: Original Completion

Start: 9/ / 00 End: 10/10/ 003

Contractor Name: KEY FOUR CORNERS

Rig Release: 10/10/ 003 Group:

Rig Name: KEY ENERGY

Rig Number: 940

Date	From - To	Hours	Code	Subco	Phase	Description of Operations
9/ 6/ 003	14:30 - 15:30	1.00	CM	u	80CMPL	- 17 MCFLD 30 MIN FLOW - 17 FLOW- 17 MCFLD
	15:30 - 16:30	1.00	CM	t	80CMPL	SHUT IN FOR 60 MIN INITIAL BUILD UP 30 MIN SI-140PSI
	16:30 - 03:00	10.50	CM	1	80CMPL	PREFORM AIR ASSIST SURGES 1, 3,4,5,6, PRESSURING UP E SURGE TO 1 00 PSI. PUMP 3GAL SOAP AT THE BEGINNING FIRST SURGE FOLLOWED BY 3- 5 BBL WATER PADS SPACE THROUGHOUT EACH BUILD UP RETURNS OF LIGHT DUST, HE WHITE FOAM AND MIST. LIGHT COAL RETURNS AT END OF SURGE.
	03:00 - 03:30	0.50	CM		80CMPL	TIH PICKING UP 8 JTS OF DP. TAG UP AT 3160
	03:30 - 06:00	2.50	CM	1	80CMPL	R&R CO COAL FR 3160 TO 90 W/1600 CFM AIR-MIST. CIRCULATION PRESSURE-380 PSI RETURNS OF LT COAL CHIPS AND FINES. DN TO 1BKT PR/HR FR SAMPLE CATCHER. COAL , 10% SAND & SHALE.
9/ 7/ 003	06:00 - 07:00	1.00	CM	1	80CMPL	R&R CO COAL FR 3160 -90 W/1600 CFM AIR-MIST CIRCULATI PRESSURE 380. RETURNS LIGHT COAL CHIPS AND FINES 1 PR/HR 90% COAL 10% SAND & SHALE
	07:00 - 07:30	0.50	CM	1	80CMPL	CREW CHANGE, SAFETY MEETING, RIG SERVICE.
	07:30 - 14:00	6.50	CM	1	80CMPL	R&R CLEAN OUT FR 3160-90 W/1600 CFM AIR-MIST CIRCULATI PRESSURE 380. RETURNS LIGHT COAL CHIPS AND FINES 1 BKTS PR/HR 90% COAL 10% SAND & SHALE
	14:00 - 18:30	4.50	CM	1	80CMPL	R&R CLEAN OUT FR 3190-3 0 W/1600 CFM AIR-MIST CIRCULATING PRESSURE 380. RETURNS LIGHT COAL CHIPS AN FINES TO 1 BKTS PR/HR 95% COAL 5% SHALE
	18:30 - 19:00	0.50	CM	1	80CMPL	PULL UP IN TO 7" CASING AT 93 ,
	19:00 - 19:15	0.5	CM	c	80CMPL	CREW CHANGE SAFETY MEETING
	19:15 - 06:00	10.75	CM	1	80CMPL	BEGIN SECOND ROUND OF SURGING PREFORM AIR ASIST SURGES #7,#8,#9,#10,#11,#1 PRESSURE UP EACH SURGE TO 1 00 PSI. PUMP 1GAL FOAMER AHEAD OF 1ST BUILD UP FOLLOWED BY 3 -5BBL H O PADS SPACED THROUGHOUT E BUILD UP. RETURNS LIGHT GRAY DUST HEAVY WHITE FOAM MIST AND WATER LIGHT COAL CHIPS AT END OF LAST SU
9/ 8/ 003	06:00 - 07:00	1.00	CM	1	80CMPL	FINISH UP SURGE NO 1 . RETURNS LIGHT GRAY COLORING FOAM RETURNS CIRCULATE HOLE CLEAN.
	07:00 - 07:30	0.50	CM	1	80CMPL	CREW CHANGE SAFETY MEETING SERVICE RIG
	07:30 - 11:00	3.50	CM	1	80CMPL	RUN IN HOLE WITH DP UNLOAD WELL WITH 1600CFM AIR-M AT EACH COAL SEAM
	11:00 - 14:00	3.00	CM	1	80CMPL	TAG FILL AT 3 00', CLEAN OUT FILL WITH 1600 CFM AIR-M

Operations Summary Report

Legal Well Name: SAN JUAN 31-6 UNIT # 31R F 000 31A

Common Well Name: SAN JUAN 31-6 FRUITLAND # 31A UNIT Spud Date: 8/8/ 003

Event Name: Original Completion

Start: 9/ / 00 End: 10/10/ 003

Contractor Name: KEY FOUR CORNERS

Rig Release: 10/10/ 003 Group:

Rig Name: KEY ENERGY

Rig Number: 940

Date	From - To	Hours	Code	Subco	Phase	Description of Operations
9/ 8/ 003	11:00 - 14:00	3.00	CM	1	80CMPL	3 0' MAKING BKTS PR HR OF FINE GRANULAR COAL 5% SHALE
	14:00 - 00:00	10.00	CM	1	80CMPL	PULL UP INTO 7" CASING WITH BIT BEGIN SURGES #13,#14,#15,#16,#17,#18 WITH 1600CFM AIR-MIST .PRESSURING UP EACH SURGE TO 1300 PSI PUMP ONE GALLON OF FOAMER AHEAD OF FIRST BUILDUP FOLLOWED BY THREE FIVE BBL'S PADS SPACED THROUGHOUT EACH BUILDUP. RETURNS LIGHT GREY FOAM ,MIST & H O
	00:00 - 06:00	6.00	CM	1	80CMPL	TRIP IN HOLE FROM BOTTOM OF 7" CASING TO 3 0' FILL CIRCULATE HOLE WITH 1600CFM AIR-MIST. RETURNS LI GRANULAR COAL FINES.
9/ 9/ 003	06:00 - 07:00	1.00	CM	1	80CMPL	CLEANING OUT FR 3189'- 3 0' WITH 1600CFM AIR-MIST.CIRCULATING PRESSURE-360PSI. RETURNS WATER AND FOAM AND LIGHT COAL. 1BKT PR/HR FR SAMPLE C 95% COAL 5% SHALE
	07:00 - 07:30	0.50	CM	1	80CMPL	CREW CHANGE , SAFETY MEETING AND RIG SERVICE.
	07:30 - 10:00	.50	CM	1	80CMPL	R&R CLEANING OUT FROM 3189-3 0' WITH 1600CFM AIR-MIST.CIRCULATING PRESSURE -360-PSI. RETURNS OF WATER FOAM AND LIGHT COAL.1 DN TO 1/ BUCKET PR/I SAMPLE CATCHER , 95% COAL AND 5% SHALE .
	10:00 - 10:30	0.50	CM	1	80CMPL	PULL UP WITH BIT INTO 7" CASING.
	10:30 - 18:30	8.00	CM	1	80CMPL	PERFORM AIR-ASSIST SURGES #19,# 0,# 1,# # 3,# 4, PRESSURE UP EACH SURGE TO 1400PSI PUMP ONE GALLON FOAMER AT THE BEGINNING OF FIRST BUILD-UP, FOLLOWED THREE FIVE BARREL H O PADS SPACED THROUGHOUT EAC BUILD-UP. RETURNS OF HEAVY GRAY FOAM ,MIST AND H C SOME LIGHT COAL RETURNS AT END OF LAST SURGES CIRCULATE HOLE AT BOTTOM OF 7" CASING WITH 1600CFM AIR-MIST.
	18:30 - 19:00	0.50	CM	1	80CMPL	CREW CHANGE, SAFETY MEETING.
	19:00 - 19:30	0.50	CM	1	80CMPL	TIH FROM BOTTOM OF 7" CASING, TAG FILL AT 3160' , CL TO 3190' WITH 1600CFM AIR-MIST, RETURNS OF GRANULAR LIGHT CHIPS OF COAL 95% COAL 5% SHAEL MAKING TWO BUCKETS PRHR.
	19:30 - 1:00	1.50	CM	1	80CMPL	R&R CO RUNNING COAL FROM 3155 'TO 86' W/1600CFM AI 10BPH MIST W/1GAL FOMER+INHIBITOR. CIRCULATING PRESSURE 360 PSI. RETURNS OF MOD GRANULAR COAL. PR/HR FR SAMPLE CATCHER. 95% COAL 5% SHALE.
	1:00 - 06:00	9.00	CM	1	80CMPL	R&R CO FROM 3155'-3190' W/1600 CFM AIR-MIST,CIRCULATING PRESSURE 360 PSI, 10BBL'S PER HR MIST, ONE GALLON FO/ & INHIBITOR RETURNS LIGHT COAL & FINES. BKTS PR/H RETURNS AT SAMPLE CATCHER, 98% COAL % SHALE.
	07:00 - 07:30	0.50	CM	1	80CMPL	CREW CHANGE, SAFTY MEETING, RIG SERVICE
9/30/ 003	07:30 - 11:00	3.50	CM	1	80CMPL	R&R CO FROM 3155'-3190' W/1600 CFM AIR-MIST,CIRCULATING PRESSURE 360 PSI, 10BBL'S PER HR H O 1GAL FOAMER & INHIBITOR RETURNS LIGHT COAL & FINES. BKTS PR/HR RETURNS AT SAMPLE CATCHER, 98% COAL % SHALE.
	11:00 - 19:00	8.00	CM	1	80CMPL	R&R, CO FROM 3190' - 3 0' WITH 1600 CFM AIR-MIST, CIRCULATING PRESSURE 360 PSI 10BBL'S PER HR H O, 1GA FOAMER & INHIBITOR RETURNS 1/4" TO GRANULAR COAL AN FINDS. 4BKTS DOWN TO BKTS PER HR AT SAMPLE CATC 98% COAL % SHALE
	19:00 - 19:30	0.50	CM	1	80CMPL	CREW CHANGE, SAFTY MEETING.

Operations Summary Report

Legal Well Name: SAN JUAN 31-6 UNIT # 31R F 000 31A

Common Well Name: SAN JUAN 31-6 FRUITLAND # 31A UNIT

Spud Date: 8/8/ 003

Event Name: Original Completion

Start: 9/ / 00

End: 10/10/ 003

Contractor Name: KEY FOUR CORNERS

Rig Release: 10/10/ 003 Group:

Rig Name: KEY ENERGY

Rig Number: 940

Date	From - To	Hours	Code	Subco	Phase	Description of Operations
9/30/ 003	19:30 - 06:00	10.50	CM	1	80CMPL	R&R, CO FROM 3190'-3 0' WITH 1600 CFM AIR-MIST CIRCULATING PRESSURE 360 PSI, 10 BBLs PER HR H ₂ O, 1GAL FOAMER & INHIBITOR. RETURNS 1/4" TO GRANULAR COAL & FINES, 11/ TO 11/ PER HR AT SAMPLE CATCHER, 98% COAL SHALE.
10/1/ 003	06:00 - 07:00	1.00	CM	1	80CMPL	R&R CO FROM 3190'-3 0' W/1600 CFM AIR -MIST, 10 BPH H ₂ O, CIRCULATING PRESSURE 360 PSI 1GAL FOAMER & INHIBITOR. RETURNS LIGHT COAL & FINES, 11/ TO 11/ AT SAMPLE CATCHER. 98% COAL % SHALE
	07:00 - 07:30	0.50	CM	1	80CMPL	CREW CHANGE, SAFETY MEETING, RIG SERVICE
	07:30 - 13:00	5.50	CM	1	80CMPL	R&R CO FROM 3190'-3 0' W/1600 CFM AIR- MIST, 10 BPH CIRCULATING PRESSURE 360 PSI, 1GAL FOAMER & INHIBITOR. RETURNS LIGHT COAL FINES, 11/ TO 11/ BKTS PR SAMPLE CATCHER 98% COAL % SHALE
	13:00 - 19:00	6.00	CM	1	80CMPL	PULL UP INTO 7" CASING WITH BIT. PERFORM AIR-ASSIST SURGES # 5 # 6 # 7 # 8 PRESSURE UP EACH SURGE PUMP GAL FOAMER AT BEGINNING OF FIRST BUILD UP FOLLOWED BY THREE 5BBL H ₂ O PADS SPACED THROUGHOUT EACH BUILD UP. RETURNS GRAY FOAM WITH FINE GRANULAR COAL
	19:00 - 19:30	0.50	CM	1	80CMPL	CREW CHANGE, SAFETY MEETING
	19:30 - 06:00	10.50	CM	1	80CMPL	TIH FROM BOTTOM OF 7" TAG FILL AT 3190' R&R CO FROM 3190'-3 01' WITH 1600 CFM AIR MIST, CIRCULATING PRESSURE 360 PSI, 10 BPH H ₂ O 1GAL FOAMER & INHIBITOR RETURNS TO FINE GRANULAR COAL FINES, 99% COAL 1% SHALE. BKTS PR HR AT SAMPLE CATCHER.
10/ / 003	06:00 - 07:00	1.00	CM	1	80CMPL	R&R CO FROM 3190'-3 0' W/1600CFM AIR-MIST, 10 BPH H ₂ O FOAMER & INHIBITOR. CIRCULATING PRESSURE 400PSI. RETURNS LITE COAL FINES, 1 TO 11/ BKTS PR HR AT SAMPLE CATCHER, 98% COAL % SHALE.
	07:00 - 07:30	0.50	CM	1	80CMPL	CREW CHANGE, SAFETY MEETING, RIG SERVICE
	07:30 - 19:00	11.50	CM	1	80CMPL	R&R CO FROM 3190'-3 0' W/1600 CFM AIR-MIST, 10 BPH 1GAL FOAMER & INHIBITOR. CIRCULATING PRESSURE 400 TO 500 PSI. RETURNS HEAVY TO MEDIUM COAL FINES. 5 BKTS DO NOT EXCEED 11/ BKTS PR HR AT SAMPLE CATCHER, 98% COAL % SHALE
	19:00 - 19:30	0.50	CM	1	80CMPL	CREW CHANGE, SAFETY MEETING
	19:30 - 06:00	10.50	CM	1	80CMPL	R&R CO FROM 3190'-3 0' W/1600 CFM AIR-MIST, 10 BPH 1GAL FOAMER & INHIBITOR CIRCULATING PRESSURE 400 TO 500 PSI. RETURNS MEDIUM TO LIGHT COAL FINES. 11/ BKTS DO NOT EXCEED 11/ BKTS PR HR AT SAMPLE CATCHER. 98% COAL % SHALE
	-		CM	1	80CMPL	
	-		CM	1	80CMPL	
10/3/ 003	06:00 - 07:00	1.00	CM	1	80CMPL	R&R CO FROM 3190'-3 0' W / 1600 CFM AIR-MIST, 10 BPH 1GAL FOAMER & INHIBITOR. CIRCULATING PRESSURE 500 PSI. RETURNS GRANULAR & LITE COAL FINES. 11/ BKTS PR HR AT SAMPLE CATCHER
	07:00 - 07:30	0.50	CM	1	80CMPL	CREW CHANGE, SAFETY MEETING, RIG SERVICE.
	07:30 - 19:00	11.50	CM	1	80CMPL	R&R CO FROM 3190'-3 0' W / 1600 CFM AIR-MIST, 10 BPH 1GAL FOAMER & INHIBITOR. CIRCULATING PRESSURE 500 PSI. RETURNS GRANULAR & LITE COAL CHIPS. 11/ BKTS PR HR AT SAMPLE CATCHER.
	19:00 - 19:30	0.50	CM	1	80CMPL	CREW CHANGE, SAFETY MEETING.

Operations Summary Report

Legal Well Name: SAN JUAN 31-6 UNIT # 31R F 000 31A

Common Well Name: SAN JUAN 31-6 FRUITLAND # 31A UNIT Spud Date: 8/8/ 003

Event Name: Original Completion Start: 9/ / 00 End: 10/10/ 003

Contractor Name: KEY FOUR CORNERS Rig Release: 10/10/ 003 Group:

Rig Name: KEY ENERGY Rig Number: 940

Date	From - To	Hours	Code	Subco	Phase	Description of Operations
10/3/ 003	19:30 - 06:00	10.50	CM		80CMPL	R&R CO FROM 3190'-3 0' W / 1600 CFM AIR-MIST, 10 GAL FOAMER & INHIBITOR. CIRCULATING PRESSURE 500 PSI. RETURNS GRANULAR & LITE COAL CHIPS. BKTS DOWN BKT PR HR AT SAMPLE CATCHER.
10/4/ 003	06:00 - 07:00	1.00	CM	1	80CMPL	R&R CO FROM 3190'-3 0' W / 1600 CFM AIR-MIST, 10 GAL FOAMER & INHIBITOR. CIRCULATING PRESSURE 450 PSI. RETURNS GRANULAR AND LIGHT COAL CHIPS. 1 TO 11/ 1 HR AT SAMPLE CATCHER 95% COAL, 5% SHALE
	07:00 - 07:30	0.50	CM	1	80CMPL	CREW CHANGE, SAFETY MEETING, RIG SERVICE.
	07:30 - 13:30	6.00	CM	1	80CMPL	R&R CO FROM 3190'-3 0' W / 1600 CFM AIR-MIST, 10 GAL FOAMER & INHIBITOR. CIRCULATING PRESSURE 450 PSI. RETURNS GRANULAR AND LIGHT COAL CHIPS. 1 BKT PR SAMPLE CATCHER. 95% COAL 5% SHALE.
	13:30 - 14:00	0.50	CM	1	80CMPL	PULL UP INSIDE 7" CASING
	14:00 - 15:00	1.00	CM	1	80CMPL	FLOW TEST ON " LINE W / PITOT TUBE.
						45 MIN-158 MCF
	15:00 - 16:00	1.00	CM	1	80CMPL	SHUT IN FOR PRESSURE BUILD UP.
						30 MIN-140 PSI
	16:00 - :06:00	0.00	CM	1	80CMPL	SURGE'S # 9, #30, #31, #3 , WITH 1600 MCF AIR-MIST, FOAMER WITH 5BBL PADS AT BEGINNING OF EACH SURGE, FOLLOWED MORE PADS SPACED THROUGH SURGE'S RETURNS LIGHT TO HEAVY COAL & FINE'S
	:00 - 06:08:00	0.00	CM	1	80CMPL	TIH FROM SHOE TAG BRIDGE'S AT 3060 BREAK CIRCULATION CLEAN OUT BRIDGE. TIH TAG FILL AT 3180' BREAK CIRCULATION WITH 1600 CFM AIR-MIST, 1 GAL FOAMER & INHIBITOR, 10 H O. CIRCULATING PRESSURE 450 PSI RETURNS HEAVY CO. FINES, 1 BKTS PR HR AT SAMPLE CATCHER. 95% COAL SHALE
10/5/ 003	06:00 - 07:00	1.00	CM	1	80CMPL	R&R CO FROM 3180'-3 1 ' W / 1600 CFM AIR-MIST 10 1GAL FOAMER & INHIBITOR. CIRCULATING PRESSURE 450 PSI. RETURNS 1 BKTS PR HR OF COAL & FINES. 95% CO, SHALE.
	07:00 - 07:30	0.50	CM	1	80CMPL	CREW CHANGE, SAFETY MEETING, RIG SERVICE.
	07:30 - 06:00		CM	1	80CMPL	R&R CO FROM 3180'- 3 1 ' W/ 1600 CFM AIR-MIST 10 1 GAL FOAMER & INHIBITOR. CIRCULATING PRESSURE 450 PSI RETURNS 1 BKTS DOWN TO 1/ BKTS PR HR OF 95% COAL 5% SHALE.
10/6/ 003	06:00 - 07:00	1.00	CM	1	80CMPL	R&R CO FROM 3180'-3 1 ' W/ 1600 CFM AIR-MIST 10 BP FOAMER & INHIBITOR CIRCULATING PRESSURE 450 PSI RETURNS MED TO LIGHT COAL & FINDS 1 1/ BKTS PR SAMPLE CATCHER

Operations Summary Report

Legal Well Name: SAN JUAN 31-6 UNIT # 31R F 000 31A

Common Well Name: SAN JUAN 31-6 FRUITLAND # 31A UNIT

Spud Date: 8/8/ 003

Event Name: Original Completion

Start: 9/ / 00 End: 10/10/ 003

Contractor Name: KEY FOUR CORNERS

Rig Release: 10/10/ 003 Group:

Rig Name: KEY ENERGY

Rig Number: 940

Date	From - To	Hours	Code	Subco	Phase	Description of Operations
10/6/ 003	07:00 - 07:30	0.50	CM	1	80CMPL	CREW CHANGE, SAFETY MEETING, RIG SERVICE.
	07:30 - 10:00	2.50	CM	1	80CMPL	R&R CO FROM 3180'-3 1' W/ 1600 CFM AIR-MIST 10 BPH FOAMER & INHIBITOR CIRCULATING PRESSURE 450 PSI RETURNS MED TO LIGHT COAL & FINDS 1 BKT PR HR @ CATCHER
	10:00 - 11:00	1.00	CM	1	80CMPL	PULL BIT UP INTO 7" CASING.
	11:00 - 1:00	1.00	CM	1	80CMPL	OPEN ON " LINE, FLOW TEST W / PITOT TUBE.
						45 MIN-310 MCF
	1:00 - 13:00	1.00	CM	1	80CMPL	SHUT IN TEST
						30 MIN-70 PSI
	13:00 - 16:30	3.50	CM	1	80CMPL	SURGE'S #33,#34,#35,#36, 1600 CFM AIR-MIST, 10 BPH H O FOAMER WITH 5 BBL PADS SPACED THROUGHOUT SURGE'S RETURNS LIGHT TO MEDIUM COAL & FINES
	16:30 - 06:00	13.50	CM	1	80CMPL	TIH FROM SHOE TAG FILL @3175. CO FROM 3175'-3 0' CFM AIR-MIST, 10 BPH H O, 1GAL FOAMER & INHIBITOR CIRCULATING PRESSURE 450 PSI. RETURNS GRANULAR, AND MEDIUM COAL & FINES. 1 TO BKTS PR HR AT SAMPL CATCHER, 95% COAL 5% SHALE
	06:00 - 07:00	1.00	CM	1	80CMPL	R&R CO FROM 3190'-3 0 W/1600 CFM AIR-MIST 10 BPH FOAMER & INHIBITOR CIRCULATING PRESSURE 500 PSI . RETURNS MEDIUM TO LIGHT GRANULAR COAL & FINES , 11 BKTS PR HR AT SAMPLE CATCHER, 95% COAL 5% SHALE
10/7/ 003	07:00 - 07:30	0.50	CM	1	80CMPL	CREW CHANGE, SAFTY MEETING, RIG SERVICE.
	07:30 - 1:00	4.50	CM	1	80CMPL	R&R CO FROM 3190'-3 0 W/1600 CFM AIR-MIST 10 BPH FOAMER & INHIBITOR CIRCULATING PRESSURE 500 PSI . RETURNS MEDIUM TO LIGHT GRANULAR COAL & FINES , 1 PR HR AT SAMPLE CATCHER, 95% COAL 5% SHALE
	1:00 - 1:30	0.50	CM	1	80CMPL	PULL BIT UP TO 7" CASING
	1:30 - 18:00	5.50	CM	1	80CMPL	SURGE'S #37, #38, #39, #40 WITH 1600 CFM AIR-MIST , 10 E GAL FOAMER & 3 - 5 BBL WATER PADS PUMPED THR SURGE'S #37,#38. INCREASE TO 5 GAL FOAMER & 3- 0 E WATER PADS PUMPED THROUGHOUT SURGE'S #38, #40. RETURNS MEDIUM TO HEAVY COAL & FINES
	18:00 - 19:00	1.00	CM	1	80CMPL	TIH FROM SHOE, TAG FILL AT 3170'
	19:00 - 06:00	11.00	CM	1	80CMPL	R&R CO FROM 3170'-3 0 W/1600 CFM AIR-MIST 10 BPH FOAMER & INHIBITOR CIRCULATING PRESSURE 500 PSI . RETURNS MEDIUM TO LIGHT GRANULAR COAL & FINES , PR HR AT SAMPLE CATCHER, 95% COAL 5% SHALE
10/8/ 003	06:00 - 07:00	1.00	CM	1	80CMPL	R&R CO FROM 3190-3 0 W / 1600 CFM AIR-MIST, 10 I GAL FOAMER & INHIBITOR. CIRCULATING PRESSURE 450 PSI,

Operations Summary Report

Legal Well Name: SAN JUAN 31-6 UNIT # 31R F 000 31A

Common Well Name: SAN JUAN 31-6 FRUITLAND # 31A UNIT Spud Date: 8/8/ 003

Event Name: Original Completion

Start: 9/ / 00 End: 10/10/ 003

Contractor Name: KEY FOUR CORNERS

Rig Release: 10/10/ 003 Group:

Rig Name: KEY ENERGY

Rig Number: 940

Date	From - To	Hours	Code	Subco	Phase	Description of Operations
10/8/ 003	06:00 - 07:00	1.00	CM	1	80CMPL	RETURNS MEDIUM COAL & FINES TO 1/ BKTS F SAMPLE CATCHER . 95% COAL 5% SHALE
	07:00 - 07:30	0.50	CM	1	80CMPL	CREW CHANGE, SAFETY MEETING, RIG SERVICE.
	07:30 - 19:00	11.50	CM	1	80CMPL	R&R CO FROM 3190-3 0 W / 1600 CFM AIR-MIST, 10 I GAL FOAMER & INHIBITOR. CIRCULATING PRESSURE 450 PSI, RETURNS MEDIUM COAL & FINES TO 1/ BKTS F SAMPLE CATCHER . 95% COAL 5% SHALE
	19:00 - 19:30	0.50	CM	1	80CMPL	CREW CHANGE, SAFETY MEETING.
	19:30 - 06:00	10.50			80CMPL	R&R CO FROM 3190-3 0 W / 1600 CFM AIR-MIST, 10 I GAL FOAMER & INHIBITOR. CIRCULATING PRESSURE 450 PSI, RETURNS GRANULAR TO LIGHT COAL & FINES BKTS DOWN TO 1 BKT PR HR AT SAMPLE CATCHER . 95% CO. SHALE
10/9/ 003	06:00 - 07:00	1.00	CM	1	80CMPL	R&R CO FROM 3190'-3 0' W/1600 CFM AIR-MIST 10BPH F FOAMER & INHIBITOR CIRCULATING PRESSURE 450 PSI RETURNS GRANULAR & LIGHT COAL & FINES 1 BKT PR H SAMPLE CATCHER 95% COAL 5% SHAEL
	07:00 - 07:30	0.50	CM	1	80CMPL	CREW CHANGE, SAFETY MEETING, RIG SERVICE
	07:30 - 08:30	1.00	CM	1	80CMPL	R&R CO FROM 3190'-3 0' W/1600 CFM AIR-MIST 10BPH F FOAMER & INHIBITOR CIRCULATING PRESSURE 450 PSI RETURNS GRANULAR & LIGHT COAL & FINES 1 BKT PR H SAMPLE CATCHER 95% COAL 5% SHAEL
	08:30 - 10:00	1.50	CM	1	80CMPL	PULL UP INTO CASING WITH BIT FLOW TEST 15 MIN 1/ PSI 7 LBS PITOT TUBE = 404 MCF 30 MIN 1/ PSI 7 LBS PITOT TUBE = 404 MCF 45 MIN 1/ PSI 7 LBS PITOT TUBE = 404 MCF 60 MIN 1/ PSI 7 LBS PITOT TUBE = 404 MCF
	10:00 - 11:00	1.00	CM	1	80CMPL	SHUT IN FOR PRESSURE BUILD UP ISIP 5 1/ PSI 15 MIN 50 PSI 30 MIN 80 PSI 45 MIN 105 PSI 60 MIN 135 PSI
	11:00 - 16:30	5.50	CM	1	80CMPL	BLEED OFF PRESSURE THROUGH CHOKE MANIFOLD OPEN BLOOE LINE LET WELL FLOW NATURAL
	16:30 - 06:00	13.50	CM	1	80CMPL	TIH FROM BOTTOM OF 7" CASING TAG FILL 3170' R&R CO 3170'-3 0' W/1600 CFM AIR-MIST 10BPH H O 1GAL FOAM INHIBITOR CIRCULATING PRESSURE 450 PSI RETURNS GRANULAR & LIGHT COAL & FINES BKTS DOWN TO 3/ HR @ SAMPLE CATCHER 95% COAL 5% SHAEL
10/10/ 003	06:00 - 07:00	1.00	CM	1	80CMPL	R&R CO FROM 3190'-3 0' W/ 1600 CFM AIR-MIST 10 I 1GAL FOAMER AND INHIBITOR CIRCULATING PRESSURE 450 P RETURNS GRANULAR COAL & FINES. 1/ BKT PR HR AT S CATCHER 95% COAL 5% SHALE
	07:00 - 07:30	0.50	CM	1	80CMPL	CREW CHANGE, SAFETY MEETING, RIG SERVICE.
	07:30 - 09:00	1.50	CM	1	80CMPL	R&R CO FROM 3 1'-3 50(TD)' W/ 1600 CFM AIR-MIST 1 1GAL FOAMER AND INHIBITOR CIRCULATING PRESSURE 450 P RETURNS GRANULAR COAL & FINES. 1/ BKT PR HR AT S CATCHER 95% COAL 5% SHALE
	09:00 - 1 :30	3.50	CM		80CMPL	LAY DOWN SWIVEL. POOH LAYING DOWN DP, DCS & BIT MU 3/8" MUD ANCHOR WITH SPLIT 3/8" PERF JT FOLLOWED BY 3/8"X1.78 F-NIPPLE. STRAP IN HOLE WITH 3/8 FL-4S TBG (39.41') & 94 JTS 3/8' EUE TBG
	1 :30 - 16:00	3.50	CM		80CMPL	

Operations Summary Report

Legal Well Name: SAN JUAN 31-6 UNIT # 31R F 000 31A

Common Well Name: SAN JUAN 31-6 FRUITLAND # 31A UNIT Spud Date: 8/8/ 003

Event Name: Original Completion Start: 9/ / 00 End: 10/10/ 003

Contractor Name: KEY FOUR CORNERS Rig Release: 10/10/ 003 Group:

Rig Name: KEY ENERGY Rig Number: 940

Date	From - To	Hours	Code	Subco	Phase	Description of Operations
10/10/ 003	16:00 - 16:30	0.50	CM	1	80CMPL	LAND TBG HANGER IN TBG HEAD WITH 10 JTS TBG IN EOT -3151' KB. TOP OF PERF JT 3113'. TOP OF F-NIPPLE
	16:30 - 19:00	2.50	CM	1	80CMPL	ND BOP STACK NU WELL HEAD SECURE WELL FOR NIGHT.
10/11/ 003	07:00 - 07:30	0.50	CM	1	80CMPL	HELD SAFTY MEETING, START UP RIG.
	07:30 - 08:30	1.00	CM	1	80CMPL	CHECK PRESSURES 600 PSI CASING, 600 PSI TBG. BLEED W
						DOWN SLOW'LY THREW CHOKE LINES
	08:30 - 1 :00	3.50	CM	1	80CMPL	PICK UP X11/4X8X8'3X1 '3 RAHC INSERT PUMP, STROKE P
						BUCKET OF WATER , PUMPED . RUN PUMP IN HOLE WITH
						ROD SUB ON TOP OF PUMP, FOLLOWED BY 1 3-3/4 RODS,
						, 1-3/4X ' ROD SUBS. INSTALL POLISH ROD AND STUFFING
						SEAT PUMP IN F-NIPPLE, LOAD TBG WITH PRODUCE
						WATER, PRESSURE TEST TBG & PUMP TO 500 PSI. HELD BL
						OFF PRESSURE, STROKE PUMP WITH RIG PUMPED UP TO 5
						PSI . HELD BLEED OFF PRESSURE SHUT IN WELL.
	1 :00 - 16:00	4.00	CE	6	80CMPL	RIGGING DOWN RIG & EQUIPMENT. JOB COMPLETE