

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, 20001a. Type of Well ☐ Oil Well ☐ Gas Well ☐ Dry ☐ Otherb. Type of Completion ☐ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resv. ☐ Other2. Name of Operator  
CONOCOPHILLIPS CO.3. Address  
P.O. BOX 2197 WL3 4061 HOUSTON TX 772523.a Phone No. (Include area code)  
(832)486-2326

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

At Surface NENW 660' FNL &amp; 1735' FWL

At top prod. interval reported below

At total depth

14. Date Spudded

07/01/2003

15. Date T.D. Reached

07/04/2003

16. Date Completed

☐ D & A ☒ Ready to Prod.  
08/09/200318. Total Depth: MD 3684  
TVD 368419. Plug Back T.D.: MD 3633  
TVD 363320. Depth Bridge Plug Set: MD  
TVD21. Type of Electric & Other Mechanical Logs Run (Submit copy of each)  
NONE22. 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 Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12.25	9.625 H40	32.3	0	221		135		0	
8.75	7 J55	20	0	3315		520		0	
6.25	5.5 J55	15.5	0 3229	3635		0		NA	

## 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	3579							

## 25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BASIN FRUITLAND	3332	3633	BASIN FRUITLAND	.75	228	OPEN
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
3332 - 3633	CAVITATED

## 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
08/22/03	07/23/03	24	→	0	2250	0			FLOWING
Choice Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
PITOT	0	750	→					PRODUCING	

## 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)

NMOCD

ACCEPTED FOR RECORD

SEP 23 2003

FARMINGTON FIELD OFFICE  
BY *che*

## 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.)

## 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
				NACIAMENTO	1099
				OJO ALAMO	2394
				KIRTLAND	2459
				FRUITLAND	3239
				PICTURE CLIFFS	3659

## 32. Additional remarks (include plugging procedure):

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

## 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) DEBORAH MARBERRYTitle REGULATORY ANALYSTSignature Deborah MarberryDate 09/16/2003

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.

## Operations Summary Report

Legal Well Name: SAN JUAN 32-8 UNIT FRUITLA 000219A  
 Common Well Name: SAN JUAN 32-8 FRUITLAND #219A UNIT  
 Event Name: Original Completion Start: 07/15/2003 Spud Date: 07/01/2003  
 Contractor Name: KEY FOUR CORNERS Rig Release: 08/08/2003 End: 08/08/2003  
 Rig Name: KEY ENERGY Rig Number: 18 Group:

Date	From - To	Hours	Code	Subco	Phase	Description of Operations
07/16/2003	07:00 - 07:30	0.50	MV	c	70DMOB	SAFETY MEETING W / ALL PERSONNEL ON LOCATION
	07:30 - 09:00	1.50	MV	1	70DMOB	LOADING OUT EQUIPMENT ON FLOAT'S
	09:00 - 14:00	5.00	MV	t	00MMIR	MOVING RIG & EQUIPMENT TO LOCATION
	14:00 - 19:00	5.00	MV	6	00MMIR	MIRU KEY FOUR CORNER'S RIG # 18 & EQUIPMENT = S.D.O.N.
07/17/2003	07:00 - 07:30	0.50	CM	c	50PRDR	SAFETY MEETING W / ALL PERSONNEL ON LOCATION
	07:30 - 10:00	2.50	CM	6	50PRDR	RU GROUND LINE'S
	10:00 - 12:00	2.00	CM	e	50PRDR	NU BOP'S & HCR VALVE'S
	12:00 - 14:00	2.00	CM	6	50PRDR	CHOKE MANIFOLD & BLOOIE LINE'S
	14:00 - 15:30	1.50	CM	1	50PRDR	RIG & EQUIPMENT INSPECTION BY CONOCOPHILLIPS REP. DAVID GREEN
	15:30 - 16:15	0.75	CM	9	50PRDR	TEST 7" CSG & BLIND RAM'S = 200# 3 MIN'S & 650# 30 MIN'S FOR STATE INTEGRITY TEST = CHARTED GOOD TEST
	16:15 - 18:00	1.75	CM	8	50PRDR	TEST 7" CSG, BLIND & PIPE RAM'S, HCR VALVE'S & CHOKE MANIFOLD = 200# 3 MIN'S & 1800# 10 MIN'S = CHARTED GOOD TEST
	18:00 - 19:00	1.00	CM	2	50PRDR	PU PIPE OUT OF PIPE BASKET & PUT ON PIPE RACK'S = TALLY PIPE = SECURED LOCATION & S.D.O.N.
07/18/2003	07:00 - 07:30	0.50	CM	c	50PRDR	SAFETY MEETING W / ALL PERSONNEL ON LOCATION
	07:30 - 10:30	3.00	CM	7	50PRDR	WELDING ON RIG FLOOR & STAIR'S
	10:30 - 13:30	3.00	CM	2	50PRDR	GIH PU RE-RUN 6 1/4" ETD 517 # 251184 BIT, BIT SUB, 14-3 1/2" DC'S, 1-2 7/8" DP, 1-FN 1.81 PROFILE & 2 7/8" DP TAG CMT @ 3250'
	13:30 - 13:45	0.25	CM	6	50PRDR	PU POWER SWIVEL
	13:45 - 15:00	1.25	CM	h	50PRDR	DRILL OUT CMT, 7" FLOAT COLLAR @ 3271', CMT & 7" SHOE @ 3315', C/O TO INTERMEDIATE TD @ 3319' W / AIR ASSIST = CORRELATE W / MUD LOGGER
	15:00 - 19:00	4.00	CM	1	50PRDR	DRILL BASIN FRUITLAND COAL INTERVAL F/3319-T/3460' W / 1.5 MMCDF AIR, 15 BPH MIST, 2 GAL'S FOAMER, 6000# ON BIT, 75 RPM'S
	19:00 - 19:30	0.50	CM	c	50PRDR	SAFETY MEETING W / ALL PERSONNEL ON LOCATION
	19:30 - 01:30	6.00	CM	1	50PRDR	DRILL COAL INTERVAL F/3460' - T/3684' TD W / 1.5 MMCDF AIR, 15 BPH MIST, 2 GAL'S FOAMER & INHIBITOR, 6000# ON BIT & 75 RPM'S
	01:30 - 02:00	0.50	CM	5	80CMPL	CIRC & CORRELATE W / MUD LOGGER = NET COAL INTERVAL'S AS FOLLOW'S
						3338'-42' = 4 FT = 380 GAS UNIT'S
						3345'-49' = 4 FT = 580 GAS UNIT'S
						3352'-56' = 4 FT = 580 GAS UNIT'S
						3383'-86' = 3 FT = 500 GAS UNIT'S
						3389'-91' = 2 FT = 500 GAS UNIT'S
						3439'-40' = 1 FT = 500 GAS UNIT'S
						3444'-45' = 1 FT = 550 GAS UNIT'S
						3449'-56' = 7 FT = 727 GAS UNIT'S
						3458'-65' = 7 FT = 650 GAS UNIT'S
						3488'-91' = 3 FT = 500 GAS UNIT'S
						3512'-14' = 2 FT = 500 GAS UNIT'S
						3519'-20' = 1 FT = 500 GAS UNIT'S
						3592'-94' = 2 FT = 500 GAS UNIT'S
						3606'-07' = 1 FT = 500 GAS UNIT'S
						3610'-12' = 2 FT = 500 GAS UNIT'S
						3613'-15' = 2 FT = 500 GAS UNIT'S
						3626'-27' = 1 FT = 500 GAS UNIT'S
						3629'-33' = 4 FT = 500 GAS UNIT'S
						TOTAL NET COAL 51 FT

## Operations Summary Report

Legal Well Name: SAN JUAN 32-8 UNIT FRUITLA 000219A  
 Common Well Name: SAN JUAN 32-8 FRUITLAND #219A UNIT  
 Event Name: Original Completion Start: 07/15/2003 End: 08/08/2003  
 Contractor Name: KEY FOUR CORNERS Rig Release: 08/08/2003 Group:  
 Rig Name: KEY ENERGY Rig Number: 18

Date	From - To	Hours	Code	Subco	Phase	Description of Operations
07/18/2003	02:00 - 06:00	4.00	CM	1	80CMPL	R&R C/O T/3684' TD W / 1.5 MMCFD AIR, 12 BPH MIST, 1 GAL FOAMER & INHIBITOR = RETURN'S TO SURFACE, MED TO LIGHT COAL & FINE'S W / NO WATER GAIN = 6 DOWN TO 2 BUCKET'S PER HOUR OFF SAMPLE CATCHER = 95% COAL & 5% SHALE
07/19/2003	06:00 - 07:00	1.00	CM	1	80CMPL	R&R C/O T/3684' TD W / 1.5 MMCFD AIR, 12 BPH MIST, 1 GAL FOAMER & INHIBITOR = RETURN'S TO SURFACE, LIGHT COAL & FINE'S W / NO WATER GAIN = 2 DOWN TO 1 BUCKET'S PER HOUR OFF SAMPLE CATCHER = 95% COAL & 5% SHALE
	07:00 - 07:30	0.50	CM	c	80CMPL	SAFETY MEETING W / ALL PERSONNEL ON LOCATION
	07:30 - 08:00	0.50	CM	4	80CMPL	PUH INSIDE 7" CSG W / BHA & RU TO TEST WELL
	08:00 - 09:00	1.00	CM	u	80CMPL	2" OPEN FLOW TEST W / PITOT TUBE 15 MIN'S = 1200 MCFD 30 MIN'S = 1300 MCFD 45 MIN'S = 1350 MCFD 1 HR = 1400 MCFD
	09:00 - 10:00	1.00	CM	t	80CMPL	SHUT IN TEST ISIP = 50# 15 MINS' = 280# 30 MIN'S = 370# 45 MIN'S = 465# 1 HR = 540#
	10:00 - 16:00	6.00	CM	1	80CMPL	SURGE'S # 1 - # 2 - # 3 - # 4 @ 1200# AIR ASSIST W / 1.5 MMCFD AIR, 12 BPH MIST, 2 GAL'S FOAMER & 5 BBL WATER-FOAMER PAD'S = BREAKOVER @ 1075# = RETURN'S TO SURFACE, LIGHT TO MED COAL & FINE'S
	16:00 - 16:30	0.50	CM	4	80CMPL	RIH FROM 7" CSG & TAG FILL @ 3490'
	16:30 - 19:00	2.50	CM	1	80CMPL	R&R C/O T/3499' W / 1.5 MMCFD AIR, 12 BPH MIST, 1 GAL FOAMER & INHIBITOR = RETURN'S TO SURFACE, MED COAL & FINE'S W / NO WATER GAIN = 6 BUCKET'S PER HOUR OFF SAMPLE CATCHER = 95% COAL & 5% SHALE
	19:00 - 19:30	0.50	CM	c	80CMPL	SAFETY MEETING W / ALL PERSONNEL ON LOCATION
	19:30 - 06:00	10.50	CM	1	80CMPL	R&R C/O T/3653' W / 1.5 MMCFD AIR, 12 BPH MIST, 1 GAL FOAMER & INHIBITOR = RETURN'S TO SURFACE, HEAVY TO LIGHT COAL & FINE'S W / NO WATER GAIN = 9 DOWN TO 1 BUCKET'S PER HOUR OFF SAMPLE CATCHER = 95% COAL & 5% SHALE
07/20/2003	06:00 - 07:00	1.00	CM	1	80CMPL	R&R C/O T/3653' W / 1.5 MMCFD AIR, 12 BPH MIST, 1 GAL FOAMER & INHIBITOR = RETURN'S TO SURFACE, LIGHT COAL & FINE'S W / NO WATER GAIN = 1 DOWN TO 1/2 BUCKET'S PER HOUR OFF SAMPLE CATCHER = 95% COAL & 5% SHALE
	07:00 - 07:30	0.50	CM	c	80CMPL	SAFETY MEETING W / ALL PERSONNEL ON LOCATION
	07:30 - 08:00	0.50	CM	4	80CMPL	PUH INSIDE 7" CSG & RU TO SURGE WELL
	08:00 - 15:00	7.00	CM	1	80CMPL	SURGE'S # 5 - # 6 - # 7 - # 8 @ 1200# AIR ASSIST W / 1.5 MMCFD AIR, 12 BPH MIST, 2 GAL'S FOAMER & 5 BBL WATER-FOAMER PAD'S = RETURN'S TO SURFACE, LIGHT TO MED COAL & FINE'S
	15:00 - 15:30	0.50	CM	4	80CMPL	RIH FROM 7" CSG & TAG FILL @ 3460'
	15:30 - 19:00	3.50	CM	1	80CMPL	R&R C/O T/3500' W / 1.5 MMCFD AIR, 12 BPH MIST, 1 GAL FOAMER & INHIBITOR = RETURN'S TO SURFACE, MED TO LIGHT COAL & FINE'S W / NO WATER GAIN = 6 DOWN TO 2 BUCKET'S PER HOUR OFF SAMPLE CATCHER = 95% COAL & 5% SHALE
	19:00 - 19:30	0.50	CM	c	80CMPL	SAFETY MEETING W / ALL PERSONNEL ON LOCATION
	19:30 - 06:00	10.50	CM	1	80CMPL	R&R C/O T/3653' W / 1.5 MMCFD AIR, 12 BPH MIST, 1 GAL FOAMER & INHIBITOR = RETURN'S TO SURFACE, HEAVY TO LIGHT COAL & FINE'S W / NO WATER GAIN = 10 DOWN TO 1 BUCKET'S PER

## Operations Summary Report

Legal Well Name: SAN JUAN 32-8 UNIT FRUITLA 000219A

Common Well Name: SAN JUAN 32-8 FRUITLAND #219A UNIT

Spud Date: 07/01/2003

Event Name: Original Completion

Start: 07/15/2003

End: 08/08/2003

Contractor Name: KEY FOUR CORNERS

Rig Release: 08/08/2003

Group:

Rig Name: KEY ENERGY

Rig Number: 18

Date	From - To	Hours	Code	Subco	Phase	Description of Operations
07/20/2003	19:30 - 06:00	10.50	CM	1	80CMPL	HOURLY OFF SAMPLE CATCHER = 95% COAL & 5% SHALE
07/21/2003	06:00 - 07:00	1.00	CM	1	80CMPL	R&R C/O T/3653' W / 1.5 MMCFD AIR, 12 BPH MIST, 1 GAL FOAMER & INHIBITOR = RETURN'S TO SURFACE, LIGHT COAL & FINE'S W / NO WATER GAIN = 1 BUCKET PER HOUR OFF SAMPLE CATCHER = 95% COAL & 5% SHALE
	07:00 - 07:30	0.50	CM	c	80CMPL	SAFETY MEETING W / ALL PERSONNEL ON LOCATION
	07:30 - 08:00	0.50	CM	4	80CMPL	PUH INSIDE 7" CSG & RU TO SURGE WELL
	08:00 - 14:00	6.00	CM	1	80CMPL	SURGE'S # 9 - # 10 - # 11 - # 12 @ 1200# AIR ASSIST W / 1.5 MMCFD AIR, 12 BPH MIST, 2 GAL'S FOAMER & 5 BBL WATER-FOAMER PAD'S = RETURN'S TO SURFACE, LIGHT TO MED COAL & FINE'S RIH FROM 7" CSG & TAG FILL @ 3450'
	14:00 - 14:30	0.50	CM	4	80CMPL	R&R C/O T/3530' W / 1.5 MMCFD AIR, 12 BPH MIST, 1 GAL FOAMER & INHIBITOR = RETURN'S TO SURFACE, MED TO LIGHT COAL & FINE'S W / NO WATER GAIN = 6 DOWN TO 2 BUCKET'S PER HOUR OFF SAMPLE CATCHER = 95% COAL & 5% SHALE
	14:30 - 19:00	4.50	CM	1	80CMPL	SAFETY MEETING W / ALL PERSONNEL ON LOCATION
	19:00 - 19:30	0.50	CM	c	80CMPL	R&R C/O T/3637' W / 1.5 MMCFD AIR, 12 BPH MIST, 1 GAL FOAMER & INHIBITOR = RETURN'S TO SURFACE, HEAVY TO MED COAL & FINE'S W / NO WATER GAIN = 9 DOWN TO 3 BUCKET'S PER HOUR OFF SAMPLE CATCHER = 95% COAL & 5% SHALE
	19:30 - 06:00	10.50	CM	1	80CMPL	R&R C/O T/3637' W / 1.5 MMCFD AIR, 12 BPH MIST, 1 GAL FOAMER & INHIBITOR = RETURN'S TO SURFACE, LIGHT COAL & FINE'S W / NO WATER GAIN = 3 DOWN TO 1 BUCKET'S PER HOUR OFF SAMPLE CATCHER = 95% COAL & 5% SHALE
07/22/2003	06:00 - 07:00	1.00	CM	1	80CMPL	SAFETY MEETING W / ALL PERSONNEL ON LOCATION
	07:00 - 07:30	0.50	CM	c	80CMPL	PUH INSIDE 7" CSG W / BHA & RU TO SURGE WELL
	07:30 - 08:00	0.50	CM	4	80CMPL	BOP & FIRE DRILL
	08:00 - 08:30	0.50	CM	c	80CMPL	SURGE'S # 13 - # 14 - # 15 - # 16 @ 1200# AIR ASSIST W / 1.5 MMCFD AIR, 12 BPH MIST, 2 GAL'S FOAMER & 5 BBL WATER-FOAMER PAD'S = RETURN'S TO SURFACE, LIGHT TO MED COAL & FINE'S
	08:30 - 15:00	6.50	CM	1	80CMPL	RIH FROM 7" CSG & TAG FILL @ 3450'
	15:00 - 15:30	0.50	CM	4	80CMPL	R&R C/O T/3479' W / 1.5 MMCFD AIR, 12 BPH MIST, 1 GAL FOAMER & INHIBITOR = RETURN'S TO SURFACE, HEAVY TO MED COAL & FINE'S W / NO WATER GAIN = 10 DOWN TO 5 BUCKET'S PER HOUR OFF SAMPLE CATCHER = 95% COAL & 5% SHALE
	15:30 - 19:00	3.50	CM	1	80CMPL	SAFETY MEETING W / ALL PERSONNEL ON LOCATION
	19:00 - 19:30	0.50	CM	c	80CMPL	R&R C/O T/ 3605' W / 1.5 MMCFD AIR, 12 BPH MIST, 2 GAL'S FOAMER & INHIBITOR = RETURN'S TO SURFACE, HEAVY TO MED COAL & FINE'S W / NO WATER GAIN = 12 DOWN TO 5 BUCKET'S PER HOUR OFF SAMPLE CATCHER = 95% COAL & 5% SHALE
	19:30 - 06:00	10.50	CM	1	80CMPL	R&R C/O T/3605' W / 1.5 MMCFD AIR, 12 BPH MIST, 1 GAL FOAMER & INHIBITOR = RETURN'S TO SURFACE, MED COAL & FINE'S W / NO WATER GAIN = 5 BUCKET'S PER HOUR OFF SAMPLE CATCHER = 95% COAL & 5% SHALE
07/23/2003	06:00 - 07:00	1.00	CM	1	80CMPL	SAFETY MEETING W / ALL PERSONNEL ON LOCATION
	07:00 - 07:30	0.50	CM	c	80CMPL	R&R C/O T/3636' W / 1.5 MMCFD AIR, 12 BPH MIST, 1 GAL FOAMER & INHIBITOR = RETURN'S TO SURFACE, MED TO LIGHT COAL & FINE'S W / NO WATER GAIN = 5 DOWN TO 1 BUCKET'S PER HOUR OFF SAMPLE CATCHER = 95% COAL & 5% SHALE
	07:30 - 11:00	3.50	CM	1	80CMPL	PUH INSIDE 7" CSG W / BHA & RU TO TEST WELL
	11:00 - 11:30	0.50	CM	4	80CMPL	2" OPEN FLOW TEST W / PITOT TUBE
	11:30 - 12:30	1.00	CM	u	80CMPL	15 MIN'S-2150 MCFD

## Operations Summary Report

Legal Well Name: SAN JUAN 32-8 UNIT FRUITLA 000219A  
 Common Well Name: SAN JUAN 32-8 FRUITLAND #219A UNIT  
 Event Name: Original Completion  
 Contractor Name: KEY FOUR CORNERS  
 Rig Name: KEY ENERGY

Start: 07/15/2003  
 Rig Release: 08/08/2003  
 Rig Number: 18

Spud Date: 07/01/2003  
 End: 08/08/2003  
 Group:

Date	From - To	Hours	Code	Subco	Phase	Description of Operations
07/23/2003	11:30 - 12:30	1.00	CM	u	80CMPL	30 MIN'S - 2200 MCFD 45 MIN'S - 2250 MCFD <del>1 HR - 2250 MCFD</del>
	12:30 - 13:30	1.00	CM	t	80CMPL	SHUT IN TEST ISIP - 65# 15 MIN'S - 280# 30 MIN'S - 350# 45 MIN'S - 440# <del>1 HR - 500#</del>
	13:30 - 19:00	5.50	CM	1	80CMPL	SURGE'S # 17 - # 18 - # 19 - # 20 @ 1200# AIR ASSIST W / 1.5 MMCFD AIR, 12 BPH MIST, 2 GAL'S FOAMER & 5 BBL WATER-FOAMER PAD'S = RETURN'S TO SURFACE, LIGHT TO MED COAL & FINE'S
	19:00 - 19:30	0.50	CM	c	80CMPL	SAFETY MEETING W / ALL PERSONNEL ON LOCATION
	19:30 - 20:00	0.50	CM	4	80CMPL	RIH FROM 7" CSG & TAG FILL @ 3450'
	20:00 - 06:00	10.00	CM	1	80CMPL	R&R C/O T/ 3519' W / 1.5 MMCFD AIR, 12 BPH MIST, 2 GAL'S FOAMER & INHIBITOR = RETURN'S TO SURFACE, HEAVY COAL & FINE'S W / NO WATER GAIN = 12 DOWN TO 8 BUCKET'S PER HOUR OFF SAMPLE CATCHER = 95% COAL & 5% SHALE
07/24/2003	06:00 - 07:00	1.00	CM	1	80CMPL	R&R C/O T/3519' W / 1.5 MMCFD AIR, 12 BPH MIST, 2 GAL'S FOAMER & INHIBITOR = RETURN'S TO SURFACE, HEAVY COAL & FINE'S W / NO WATER GAIN = 8 BUCKET'S PER HOUR OFF SAMPLE CATCHER = 95% COAL & 5% SHALE
	07:00 - 07:30	0.50	CM	c	80CMPL	SAFETY MEETING W / ALL PERSONNEL ON LOCATION
	07:30 - 19:00	11.50	CM	1	80CMPL	R&R C/O T/3582' W / 1.5 MMCFD AIR, 12 BPH MIST, 2 GAL'S FOAMER & INHIBITOR = RETURN'S TO SURFACE, HEAVY TO MED COAL & FINE'S W / NO WATER GAIN = 10 DOWN TO 5 BUCKET'S PER HOUR OFF SAMPLE CATCHER = 95% COAL & 5% SHALE
	19:00 - 19:30	0.50	CM	c	80CMPL	SAFETY MEETING W / ALL PERSONNEL ON LOCATION
	19:30 - 06:00	10.50	CM	1	80CMPL	R&R C/O T/3636' W / 1.5 MMCFD AIR, 12 BPH MIST, 2 GAL'S FOAMER & INHIBITOR = RETURN'S TO SURFACE, HEAVY TO MED COAL & FINE'S W / NO WATER GAIN = 9 DOWN TO 3 BUCKET'S PER HOUR OFF SAMPLE CATCHER = 95% COAL & 5% SHALE
07/25/2003	06:00 - 07:00	1.00	CM	1	80CMPL	R&R C/O T/3636' W / 1.5 MMCFD AIR, 12 BPH MIST, 2 GAL'S FOAMER & INHIBITOR = RETURN'S TO SURFACE, LIGHT COAL & FINE'S W / NO WATER GAIN = 3 DOWN TO 1 BUCKET'S PER HOUR OFF SAMPLE CATCHER = 95% COAL & 5% SHALE
	07:00 - 07:30	0.50	CM	c	80CMPL	SAFETY MEETING W / ALL PERSONNEL ON LOCATION
	07:30 - 08:00	0.50	CM	4	80CMPL	PUH INSIDE 7" CSG W / BHA & RU TO SURGE WELL
	08:00 - 16:00	8.00	CM	1	80CMPL	SURGE'S # 21 - # 22 - # 23 - # 24 - # 25 @ 1200# AIR ASSIST W / 1.5 MMCFD AIR, 12 BPH MIST, 2 GAL'S FOAMER & 5 BBL WATER-FOAMER PAD'S = RETURN'S TO SURFACE, LIGHT TO HEAVY COAL & FINE'S
	16:00 - 16:30	0.50	CM	4	80CMPL	RIH FROM 7" CSG & TAG FILL @ 3430'
	16:30 - 19:00	2.50	CM	1	80CMPL	R&R C/O T/3440' W / 1.5 MMCFD AIR, 12 BPH MIST, 2 GAL'S FOAMER & INHIBITOR = RETURN'S TO SURFACE, HEAVY COAL & FINE'S W / NO WATER GAIN = 10 BUCKET'S PER HOUR OFF SAMPLE CATCHER = 95% COAL & 5% SHALE
	19:00 - 19:30	0.50	CM	c	80CMPL	SAFETY MEETING W / ALL PERSONNEL ON LOCATION
	19:30 - 06:00	10.50	CM	1	80CMPL	R&R C/O T/3483' W / 1.5 MMCFD AIR, 12 BPH MIST, 2 GAL'S FOAMER & INHIBITOR = RETURN'S TO SURFACE, HEAVY COAL & FINE'S W / NO WATER GAIN = 14 DOWN TO 8 BUCKET'S PER HOUR OFF SAMPLE CATCHER = 95% COAL & 5% SHALE

## Operations Summary Report

Legal Well Name: SAN JUAN 32-8 UNIT FRUITLA 000219A

Common Well Name: SAN JUAN 32-8 FRUITLAND #219A UNIT

Spud Date: 07/01/2003

Event Name: Original Completion

Start: 07/15/2003

End: 08/08/2003

Contractor Name: KEY FOUR CORNERS

Rig Release: 08/08/2003

Group:

Rig Name: KEY ENERGY

Rig Number: 18

Date	From - To	Hours	Code	Subco	Phase	Description of Operations
07/26/2003	06:00 - 07:00	1.00	CM	1	80CMPL	R&R C/O T/3483' W / 1.5 MMCFD AIR, 12 BPH MIST, 2 GAL'S FOAMER & INHIBITOR = RETURN'S TO SURFACE, HEAVY COAL & FINE'S W / NO WATER GAIN = 8 BUCKET'S PER HOUR OFF SAMPLE CATCHER = 95% COAL & 5% SHALE
	07:00 - 07:30	0.50	CM	c	80CMPL	SAFETY MEETING W / ALL PERSONNEL ON LOCATION
	07:30 - 19:00	11.50	CM	1	80CMPL	R&R C/O T/3575' W / 1.5 MMCFD AIR, 12 BPH MIST, 2 GAL'S FOAMER & INHIBITOR = RETURN'S TO SURFACE, HEAVY TO MED COAL & FINE'S W / NO WATER GAIN = 12 DOWN TO 5 BUCKET'S PER HOUR OFF SAMPLE CATCHER = 95% COAL & 5% SHALE
	19:00 - 19:30	0.50	CM	c	80CMPL	SAFETY MEETING W / ALL PERSONNEL ON LOCATION
	19:30 - 03:00	7.50	CM	1	80CMPL	R&R C/O T/3636' W / 1.5 MMCFD AIR, 12 BPH MIST, 2 GAL'S FOAMER & INHIBITOR = RETURN'S TO SURFACE, HEAVY TO MED COAL & FINE'S W / NO WATER GAIN = 10 DOWN TO 5 BUCKET'S PER HOUR OFF SAMPLE CATCHER = 90% COAL & 10% SHALE
	03:00 - 03:30	0.50	CM	4	80CMPL	PUH = HOLE GETTING TIGHT = WORKING BHA UP HOLE TO 3555'
	03:30 - 06:00	2.50	CM	1	80CMPL	R&R C/O T/3575' W / 1.5 MMCFD AIR, 12 BPH MIST, 2 GAL'S FOAMER & INHIBITOR = RETURN'S TO SURFACE, HEAVY COAL & FINE'S W / NO WATER GAIN = 15 BUCKET'S PER HOUR OFF SAMPLE CATCHER = 90% COAL & 10% SHALE
07/27/2003	06:00 - 07:00	1.00	CM	1	80CMPL	R&R C/O T/3575' W / 1.5 MMCFD AIR, 12 BPH MIST, 2 GAL'S FOAMER & INHIBITOR = RETURN'S TO SURFACE, HEAVY COAL & FINE'S W / NO WATER GAIN = 12 BUCKET'S PER HOUR OFF SAMPLE CATCHER = 90% COAL & 10% SHALE
	07:00 - 07:30	0.50	CM	c	80CMPL	SAFETY MEETING W / ALL PERSONNEL ON LOCATION
	07:30 - 19:00	11.50	CM	1	80CMPL	R&R C/O T/3605' W / 1.5 MMCFD AIR, 12 BPH MIST, 1 GAL FOAMER & INHIBITOR = RETURN'S TO SURFACE, HEAVY TO MED COAL & FINE'S W / NO WATER GAIN = 12 DOWN TO 6 BUCKET'S PER HOUR OFF SAMPLE CATCHER = 90% COAL & 10% SHALE
	19:00 - 19:30	0.50	CM	c	80CMPL	SAFETY MEETING W / ALL PERSONNEL ON LOCATION
	19:30 - 06:00	10.50	CM	1	80CMPL	R&R C/O T/3636' W / 1.5 MMCFD AIR, 12 BPH MIST, 1 GAL FOAMER & INHIBITOR = RETURN'S TO SURFACE, HEAVY TO MED COAL & FINE'S W / NO WATER GAIN = 10 DOWN TO 4 BUCKET'S PER HOUR OFF SAMPLE CATCHER = 90% COAL & 10% SHALE
07/28/2003	06:00 - 07:00	1.00	CM	1	80CMPL	R&R C/O T/3636' W / 1.5 MMCFD AIR, 12 BPH MIST, 1 GAL FOAMER & INHIBITOR = RETURN'S TO SURFACE, MED COAL & FINE'S W / NO WATER GAIN = 4 BUCKET'S PER HOUR OFF SAMPLE CATCHER = 90% COAL & 10% SHALE
	07:00 - 07:30	0.50	CM	c	80CMPL	SAFETY MEETING W / ALL PERSONNEL ON LOCATION
	07:30 - 09:30	2.00	CM	1	80CMPL	R&R C/O T/3636' W / 1.5 MMCFD AIR, 12 BPH MIST, 1 GAL FOAMER & INHIBITOR = RETURN'S TO SURFACE, MED TO LIGHT COAL & FINE'S W / NO WATER GAIN = 4 DOWN TO 1 BUCKET'S PER HOUR OFF SAMPLE CATCHER = 90% COAL & 10% SHALE
	09:30 - 10:00	0.50	CM	4	80CMPL	PUH INSIDE 7" CSG W / BHA & RU TO SURGE WELL
	10:00 - 17:30	7.50	CM	1	80CMPL	SURGE'S # 26 - # 27 - # 28 - # 29 - # 30 @ 1200# AIR ASSIST W / 1.5 MMCFD AIR, 12 BPH MIST, 2 GAL'S FOAMER & 5 BBL WATER-FOAMER PAD'S = RETURN'S TO SURFACE, LIGHT TO HEAVY COAL & FINE'S
	17:30 - 18:00	0.50	CM	4	80CMPL	RIH FROM 7" CSG & TAG FILL @ 3430'
	18:00 - 19:00	1.00	CM	1	80CMPL	R&R C/O T/3455' W / 1.5 MMCFD AIR, 12 BPH MIST, 2 GAL'S FOAMER & INHIBITOR = RETURN'S TO SURFACE, HEAVY COAL & FINE'S W / NO WATER GAIN = 9 BUCKET'S PER HOUR OFF SAMPLE CATCHER = 90% COAL & 10% SHALE

## Operations Summary Report

Legal Well Name: SAN JUAN 32-8 UNIT FRUITLA 000219A  
 Common Well Name: SAN JUAN 32-8 FRUITLAND #219A UNIT  
 Event Name: Original Completion Start: 07/15/2003 End: 08/08/2003  
 Contractor Name: KEY FOUR CORNERS Rig Release: 08/08/2003 Group:  
 Rig Name: KEY ENERGY Rig Number: 18

Date	From - To	Hours	Code	Subco	Phase	Description of Operations
07/28/2003	19:00 - 19:30	0.50	CM	c	80CMPL	SAFETY MEETING W / ALL PERSONNEL ON LOCATION
	19:30 - 06:00	10.50	CM	1	80CMPL	R&R C/O T/3485' W / 1.5 MMCFD AIR, 12 BPH MIST, 2 GAL'S FOAMER & INHIBITOR = RETURN'S TO SURFACE, HEAVY TO MED COAL & FINE'S W / NO WATER GAIN = 13 DOWN TO 6 BUCKET'S PER HOUR OFF SAMPLE CATCHER = 90% COAL & 10% SHALE
07/29/2003	06:00 - 07:00	1.00	CM	1	80CMPL	R&R C/O T/3485' W / 1.5 MMCFD AIR, 12 BPH MIST, 2 GAL'S FOAMER & INHIBITOR = RETURN'S TO SURFACE, HEAVY COAL & FINE'S W / NO WATER GAIN = 6 UP TO 10 BUCKET'S PER HOUR OFF SAMPLE CATCHER = 90% COAL & 10% SHALE
	07:00 - 07:30	0.50	CM	c	80CMPL	SAFETY MEETING W / ALL PERSONNEL ON LOCATION
	07:30 - 19:00	11.50	CM	1	80CMPL	R&R C/O T/3485' W / 1.5 MMCFD AIR, 12 BPH MIST, 2 GAL'S FOAMER & INHIBITOR = RETURN'S TO SURFACE, HEAVY TO MED COAL & FINE'S W / NO WATER GAIN = 12 DOWN TO 6 BUCKET'S PER HOUR OFF SAMPLE CATCHER = 90% COAL & 10% SHALE
	19:00 - 19:30	0.50	CM	c	80CMPL	SAFETY MEETING W / ALL PERSONNEL ON LOCATION
07/30/2003	19:30 - 06:00	10.50	CM	1	80CMPL	R&R C/O T/3515' W / 1.5 MMCFD AIR, 12 BPH MIST, 2 GAL'S FOAMER & INHIBITOR = RETURN'S TO SURFACE, HEAVY TO MED COAL & FINE'S W / NO WATER GAIN = 10 DOWN TO 5 BUCKET'S PER HOUR OFF SAMPLE CATCHER = 90% COAL & 10% SHALE
	06:00 - 07:00	1.00	CM	1	80CMPL	R&R C/O T/3515' W / 1.5 MMCFD AIR, 12 BPH MIST, 2 GAL'S FOAMER & INHIBITOR = RETURN'S TO SURFACE, MED COAL & FINE'S W / T.S.T.M. WATER GAIN = 5 BUCKET'S PER HOUR OFF SAMPLE CATCHER = 90% COAL & 10% SHALE
	07:00 - 07:30	0.50	CM	c	80CMPL	SAFETY MEETING W / ALL PERSONNEL ON LOCATION
	07:30 - 19:00	11.50	CM	1	80CMPL	R&R C/O T/3605' W / 1.5 MMCFD AIR, 12 BPH MIST, 2 GAL'S FOAMER & INHIBITOR = RETURN'S TO SURFACE, HEAVY TO MED COAL & FINE'S W / T.S.T.M. WATER GAIN = 10 DOWN TO 5 BUCKET'S PER HOUR OFF SAMPLE CATCHER = 90% COAL & 10% SHALE
07/31/2003	19:00 - 19:30	0.50	CM	c	80CMPL	SAFETY MEETING W / ALL PERSONNEL ON LOCATION
	19:30 - 06:00	10.50	CM	1	80CMPL	R&R C/O T/3636' W / 1.5 MMCFD AIR, 12 BPH MIST, 2 GAL'S FOAMER & INHIBITOR = RETURN'S TO SURFACE, HEAVY TO MED COAL & FINE'S W / T.S.T.M. WATER GAIN = 9 DOWN TO 4 BUCKET'S PER HOUR OFF SAMPLE CATCHER = 90% COAL & 10% SHALE
	06:00 - 07:00	1.00	CM	1	80CMPL	R&R C/O & CONDITION HOLE T/3636' W / 1.5 MMCFD AIR, 12 BPH MIST, 2 GAL'S FOAMER, 1/2 GAL POLYMER & INHIBITOR = RETURN'S TO SURFACE, MED COAL & FINE'S W / NO WATER GAIN = 4 TO 5 BUCKET'S PER HOUR OFF SAMPLE CATCHER = 90% COAL & 10% SHALE
	07:00 - 07:30	0.50	CM	c	80CMPL	SAFETY MEETING W / ALL PERSONNEL ON LOCATION
07/31/2003	07:30 - 16:30	9.00	CM	1	80CMPL	R&R C/O & CONDITION HOLE T/3636' W / 1.5 MMCFD AIR, 12 BPH MIST, 2 GAL'S FOAMER & INHIBITOR = RETURN'S TO SURFACE, MED TO HEAVY COAL & FINE'S W / NO WATER GAIN = 5 UP TO 12 BUCKET'S PER HOUR OFF SAMPLE CATCHER = 90% COAL & 10% SHALE
	16:30 - 17:00	0.50	CM	4	80CMPL	PUH T/3585', WELL SLOUGHING HEAVY COAL & FINE'S
	17:00 - 19:00	2.00	CM	1	80CMPL	R&R C/O & CONDITION HOLE T/3585' W / 1.5 MMCFD AIR, 12 BPH MIST, 2 GAL'S FOAMER, 1 GAL POLYMER & INHIBITOR = RETURN'S TO SURFACE, HEAVY COAL & FINE'S W / NO WATER GAIN = 12 BUCKET'S PER HOUR OFF SAMPLE CATCHER = 90% COAL & 10% SHALE
	19:00 - 19:30	0.50	CM	c	80CMPL	SAFETY MEETING W / ALL PERSONNEL ON LOCATION



## Operations Summary Report

Legal Well Name: SAN JUAN 32-8 UNIT FRUITLA 000219A  
 Common Well Name: SAN JUAN 32-8 FRUITLAND #219A UNIT  
 Event Name: Original Completion Start: 07/15/2003 End: 07/01/2003  
 Contractor Name: KEY FOUR CORNERS Rig Release: 08/08/2003 Group:  
 Rig Name: KEY ENERGY Rig Number: 18

Date	From - To	Hours	Code	Subco	Phase	Description of Operations
07/31/2003	19:30 - 06:00	10.50	CM	1	80CMPL	R&R C/O & CONDITION HOLE T/3605' W / 1.5 MMCFD AIR, 12 BPH MIST, 2 GAL'S FOAMER & INHIBITOR = RETURN'S TO SURFACE, HEAVY TO MED COAL & FINE'S W / NO WATER GAIN = 12 DOWN TO 5 BUCKET'S PER HOUR OFF SAMPLE CATCHER = 90% COAL & 10% SHALE
08/01/2003	06:00 - 07:00	1.00	CM	1	80CMPL	R&R C/O & CONDITION HOLE T/3605' W / 1.5 MMCFD AIR, 12 BPH MIST, 2 GAL'S FOAMER, 1 GAL POLYMER & INHIBITOR = RETURN'S TO SURFACE, MED COAL & FINE'S W / NO WATER GAIN = 5 BUCKET'S PER HOUR OFF SAMPLE CATCHER = 90% COAL & 10% SHALE
	07:00 - 07:30	0.50	CM	c	80CMPL	SAFETY MEETING W / ALL PERSONNEL ON LOCATION
	07:30 - 19:00	11.50	CM	1	80CMPL	R&R C/O & CONDITION FOR LINER T/3636' W / 1.5 MMCFD AIR, 12 BPH MIST, 2 GAL'S FOAMER, 1 GAL POLYMER & INHIBITOR = RETURN'S TO SURFACE, HEAVY TO MED COAL & FINE'S W / NO WATER GAIN = 9 DOWN TO 4 BUCKET'S PER HOUR OFF SAMPLE CATCHER = 90% COAL & 10% SHALE
	19:00 - 19:30	0.50	CM	c	80CMPL	SAFETY MEETING W / ALL PERSONNEL ON LOCATION
	19:30 - 06:00	10.50	CM	1	80CMPL	R&R C/O & CONDITION HOLE FOR LINER T/3684' TD W / 1.5 MMCFD AIR, 12 BPH MIST, 2 GAL'S FOAMER, 1 GAL POLYMER & INHIBITOR = RETURN'S TO SURFACE, HEAVY TO MED COAL & FINE'S W / NO WATER GAIN = 8 DOWN TO 4 BUCKET'S PER HOUR OFF SAMPLE CATCHER = 90% COAL & 10% SHALE
08/02/2003	06:00 - 07:00	1.00	CM	1	80CMPL	R&R C/O & CONDITION HOLE T/3684' TD W / 1.5 MMCFD AIR, 12 BPH MIST, 2 GAL'S FOAMER & INHIBITOR = RETURN'S TO SURFACE, MED TO LIGHT COAL & FINE'S W / NO WATER GAIN = 2 BUCKET'S PER HOUR OFF SAMPLE CATCHER = 90% COAL & 10% SHALE
	07:00 - 07:30	0.50	CM	c	80CMPL	SAFETY MEETING W / ALL PERSONNEL ON LOCATION
	07:30 - 08:30	1.00	CM	1	80CMPL	R&R C/O & CONDITION HOLE T/3684' W / 1.5 MMCFD AIR, 12 BPH MIST, 2 GAL'S FOAMER, 1 GAL POLYMER & INHIBITOR = RETURN'S TO SURFACE, LIGHT COAL & FINE'S W / NO WATER GAIN = 1/2 BUCKET PER HOUR OFF SAMPLE CATCHER = 90% COAL & 10% SHALE
	08:30 - 09:00	0.50	CM	4	80CMPL	PUH INSIDE 7" CSG W / BHA
	09:00 - 11:00	2.00	CM	g	80CMPL	FLOW WELL NATURAL OUT BLOOE LINE'S TO CHECK HOLE CONDITION'S
	11:00 - 11:30	0.50	CM	4	80CMPL	RIH FROM 7" CSG TAG TIGHT SPOT @ 3450'
	11:30 - 19:00	7.50	CM	1	80CMPL	R&R C/O T/3585' W / 1.5 MMCFD AIR, 12 BPH MIST, 2 GAL'S FOAMER, 1 GAL POLYMER & INHIBITOR = RETURN'S TO SURFACE, MED TO LIGHT COAL & FINE'S W / NO WATER GAIN = 6 DOWN TO 3 BUCKET'S PER HOUR OFF SAMPLE CATCHER = 90% COAL & 10% SHALE = TIGHT SPOT'S @ 3450' & 3515'
	19:00 - 19:30	0.50	CM	c	80CMPL	SAFETY MEETING W / ALL PERSONNEL ON LOCATION
	19:30 - 03:00	7.50	CM	1	80CMPL	R&R C/O T/3684' TD W / 1.5 MMCFD AIR, 12 BPH MIST, 2 GAL'S FOAMER, 1 GAL POLYMER & INHIBITOR = RETURN'S TO SURFACE, LIGHT COAL & FINE'S W / NO WATER GAIN = 4 DOWN TO 1 BUCKET'S PER HOUR OFF SAMPLE CATCHER = 90% COAL & 10% SHALE
	03:00 - 03:30	0.50	CM	4	80CMPL	PUH INSIDE 7" CSG W / BHA
	03:30 - 03:45	0.25	CM	6	80CMPL	HANG BACK POWER SWIVEL
	03:45 - 06:00	2.25	CM	4	80CMPL	COOH W / DP, DC'S & BHA = BIT IN BAD SHAPE, OUT OF GAGE & CONE'S LOOSE
08/03/2003	06:00 - 07:00	1.00	CM	7	80CMPL	WAITING ON NEW BIT & BIT SUB

## Operations Summary Report

Legal Well Name: SAN JUAN 32-8 UNIT FRUITLA 000219A  
 Common Well Name: SAN JUAN 32-8 FRUITLAND #219A UNIT  
 Event Name: Original Completion  
 Contractor Name: KEY FOUR CORNERS  
 Rig Name: KEY ENERGY  
 Start: 07/15/2003  
 Rig Release: 08/08/2003  
 Spud Date: 07/01/2003  
 End: 08/08/2003  
 Group:

Date	From - To	Hours	Code	Subco	Phase	Description of Operations
08/03/2003	07:00 - 07:30	0.50	CM	c	80CMPL	SAFETY MEETING W / ALL PERSONNEL ON LOCATION
	07:30 - 09:30	2.00	CM	7	80CMPL	WAITING ON NEW BIT & BIT SUB
	09:30 - 10:00	0.50	CM	2	80CMPL	PU & MU BIT & BIT SUB ON DC
	10:00 - 11:30	1.50	CM	4	80CMPL	RIH W / 6 1/4" BIT, BIT SUB, DC'S, FN & DP TO 3315'
	11:30 - 11:45	0.25	CM	6	80CMPL	PU POWER SWIVEL
	11:45 - 12:00	0.25	CM	2	80CMPL	PU JT'S OF DP W / POWER SWIVEL TAG TIGHT SPOT @ 3450'
	12:00 - 19:00	7.00	CM	1	80CMPL	R&R C/O T/3485' W / 1.5 MMCFD AIR 12 BPH MIST, 2 GAL'S FOAMER, 1 GAL POLYMER & INHIBITOR = RETURN'S TO SURFACE, HEAVY TO MED COAL & FINE'S W / NO WATER GAIN = 12 DOWN TO 6 BUCKET'S PER HOUR OFF SAMPLE CATCHER = 90% COAL & 10% SHALE
	19:00 - 19:30	0.50	CM	c	80CMPL	SAFETY MEETING W / ALL PERSONNEL ON LOCATION
	19:30 - 06:00	10.50	CM	1	80CMPL	R&R C/O T/3605' W / 1.5 MMCFD AIR, 12 BPH MIST, 2 GAL'S FOAMER, 1 GAL POLYMER & INHIBITOR = RETURN'S TO SURFACE, MED COAL & FINE'S W / NO WATER GAIN = 7 BUCKET'S PER HOUR OFF SAMPLE CATCHER = 90% COAL & 10% SHALE
08/04/2003	06:00 - 07:00	1.00	CM	1	80CMPL	R&R C/O & CONDITION HOLE T/3605' W / 1.5 MMCFD AIR, 12 BPH MIST, 2 GAL'S FOAMER, 1 GAL POLYMER & INHIBITOR = RETURNS TO SURFACE, MED COAL & FINES W / NO WATER GAIN = 7 BUCKETS PER HOUR OFF SAMPLE CATCHER = 90% COAL & 10% SHALE
	07:00 - 07:30	0.50	CM	c	80CMPL	SAFETY MEETING W / ALL PERSONNEL ON LOCATION
	07:30 - 19:00	11.50	CM	1	80CMPL	R&R C/O & CONDITION HOLE T/3684' TD W / 1.5 MMCFD AIR, 12 BPH MIST, 2 GAL'S FOAMER, 1 GAL POLYMER & INHIBITOR = RETURNS TO SURFACE, MED COAL & FINES W / NO WATER GAIN = 5 BUCKETS PER HOUR OFF SAMPLE CATCHER = 90% COAL & 10% SHAL
	19:00 - 19:30	0.50	CM	c	80CMPL	SAFETY MEETING W / ALL PERSONNEL ON LOCATION
	19:30 - 21:30	2.00	CM	1	80CMPL	R&R C/O T/3684' TD W / 1.5 MMCFD AIR, 12 BPH MIST, 2 GAL'S FOAMER, 1 GAL POLYMER & INHIBITOR = RETURNS TO SURFACE, MED COAL & FINES W / NO WATER GAIN = 4 BUCKETS PER HOUR OFF SAMPLE CATCHER = 90% COAL & 10% SHALE = ATTENTION NOTICED BAD SPOT IN DRILLING LINE
	21:30 - 22:00	0.50	CM	4	80CMPL	PUH INSIDE 7" CSG W / BHA
	22:00 - 06:00	8.00	CM	7	80CMPL	FLOW WELL NATURAL OUT BLOOE LINES = WAITING TILL DAYLIGHT & NEW DRILLING LINE FOR RIG
08/05/2003	06:00 - 07:00	1.00	CM	7	80CMPL	W/O NEW DRILLING LINE
	07:00 - 07:30	0.50	CM	c	80CMPL	SAFETY MEETING W / ALL PERSONNEL ON LOCATION
	07:30 - 09:00	1.50	CM	7	80CMPL	W/O NEW DRILLING LINE
	09:00 - 11:30	2.50	CM	6	80CMPL	INSTALL NEW DRILLING LINE
	11:30 - 12:00	0.50	CM	4	80CMPL	RIH FROM 7" CSG & TAG @ 3450'
	12:00 - 19:00	7.00	CM	1	80CMPL	R&R C/O & CONDITION HOLE T/3530' W / 1.5 MMCFD AIR, 12 BPH MIST, 2 GAL'S FOAMER, 1 GAL POLYMER & INHIBITOR = RETURN'S TO SURFACE, HEAVY TO MED COAL & FINE'S W / NO WATER GAIN = 12 DOWN TO 6 BUCKET'S PER HOUR OFF SAMPLE CATCHER = 90% COAL & 10% SHALE
	19:00 - 19:30	0.50	CM	c	80CMPL	SAFETY MEETING W / ALL PERSONNEL ON LOCATION
	19:30 - 23:00	3.50	CM	1	80CMPL	R&R C/O & CONDITION HOLE T/3605' W / 1.5 MMCFD AIR, 12 BPH MIST, 2 GAL'S FOAMER, 1 GAL POLYMER & INHIBITOR = RETURN'S TO SURFACE, HEAVY COAL & FINE'S W / NO WATER GAIN = 10 BUCKET'S PER HOUR OFF SAMPLE CATCHER = 90% COAL & 10% SHALE = WELL SLOUGHING HEAVY COAL GETTING

## Operations Summary Report

Legal Well Name: SAN JUAN 32-8 UNIT FRUITLA 000219A  
 Common Well Name: SAN JUAN 32-8 FRUITLAND #219A UNIT  
 Event Name: Original Completion Start: 07/15/2003 End: 08/08/2003  
 Contractor Name: KEY FOUR CORNERS Rig Release: 08/08/2003 Group:  
 Rig Name: KEY ENERGY Rig Number: 18

Date	From - To	Hours	Code	Subco	Phase	Description of Operations
08/05/2003	19:30 - 23:00	3.50	CM	1	80CMPL	TIGHT
	23:00 - 03:00	4.00	CM	4	80CMPL	PUH WORKING TIGHT PIPE TO 3450'
	03:00 - 06:00	3.00	CM	1	80CMPL	R&R C/O & CONDITION HOLE F/3468'-T/3499' W / 1.5 MMCFD AIR, 12 BPH MIST, 2 GAL'S FOAMER, 1 GAL POLYMER & INHIBITOR = RETURN'S TO SURFACE, HEAVY COAL & FINE'S W / T.S.T.M. WATER GAIN = 15 BUCKET'S PER HOUR OFF SAMPLE CATCHER = 85% COAL & 15% SHALE
08/06/2003	06:00 - 07:00	1.00	CM	1	80CMPL	R&R C/O & CONDITION HOLE T/3499' W / 1.5 MMCFD AIR, 12 BPH MIST, 2 GAL'S FOAMER, 1 GAL POLYMER & INHIBITOR = RETURN'S TO SURFACE, HEAVY COAL & FINE'S W / T.S.T.M. WATER GAIN = 12 BUCKET'S PER HOUR OFF SAMPLE CATCHER = 85% COAL & 15% SHALE
	07:00 - 07:30	0.50	CM	c	80CMPL	SAFETY MEETING W / ALL PERSONNEL ON LOCATION
	07:30 - 19:00	11.50	CM	1	80CMPL	R&R C/O & CONDITION HOLE T/3561' W / 1.5 MMCFD AIR, 12 BPH MIST, 3 GAL'S FOAMER, 1 1/2 GAL'S POLYMER & INHIBITOR = RETURN'S TO SURFACE, HEAVY COAL & FINE'S W / T.S.T.M. WATER GAIN = 12 DOWN TO 7 BUCKET'S PER HOUR OFF SAMPLE CATCHER = 85% COAL & 15% SHALE
	19:00 - 19:30	0.50	CM	c	80CMPL	SAFETY MEETING W / ALL PERSONNEL ON LOCATION
	19:30 - 06:00	10.50	CM	1	80CMPL	R&R C/O & CONDITION HOLE T/3621' W / 1.5 MMCFD AIR, 12 BPH MIST, 3 GAL'S FOAMER, 1 1/2 GAL'S POLYMER & INHIBITOR = RETURN'S TO SURFACE, HEAVY TO MED COAL & FINE'S W / T.S.T.M. WATER GAIN = 9 DOWN TO 5 BUCKET'S PER HOUR OFF SAMPLE CATCHER = 85% COAL & 15% SHALE
08/07/2003	06:00 - 07:00	1.00	CM	1	80CMPL	R&R C/O & CONDITION HOLE T/3621' W / 1.5 MMCFD AIR, 12 BPH MIST, 3 GAL'S FOAMER, 1 1/2 GAL'S POLYMER & INHIBITOR = RETURN'S TO SURFACE, MED COAL & FINE'S W / 1/2 BPH WATER GAIN = 5 BUCKET'S PER HOUR OFF SAMPLE CATCHER = 85% COAL & 15% SHALE
	07:00 - 07:30	0.50	CM	c	80CMPL	SAFETY MEETING W / ALL PERSONNEL ON LOCATION
	07:30 - 13:00	5.50	CM	1	80CMPL	R&R C/O & CONDITION HOLE T/3684' TD W / 1.5 MMCFD AIR, 10 BPH MIST, 4 GAL'S FOAMER, 2 GAL'S POLYMER & INHIBITOR = RETURN'S TO SURFACE, MED TO LIGHT COAL & FINE'S W / 1/2 BPH WATER GAIN = 6 DOWN TO 1 BUCKET'S PER HOUR OFF SAMPLE CATCHER = 85% COAL & 15% SHALE
	13:00 - 13:30	0.50	CM	4	80CMPL	PUH INSIDE 7" CSG W / BHA
	13:30 - 15:00	1.50	CM	g	80CMPL	FLOW WELL NATURAL OUT BLOOE LINE'S TO CHECK HOLE CONDITION'S
	15:00 - 19:00	4.00	CM	1	80CMPL	R&R C/O & CONDITION HOLE F/3480'-99' & F/3520'-30' W / 1.5 MMCFD AIR, 10 BPH MIST, 4 GAL'S FOAMER, 2 GAL'S POLYMER & INHIBITOR = RETURN'S TO SURFACE, LIGHT COAL & FINE'S W / 1/2 BPH WATER GAIN = 3 BUCKET'S PER HOUR OFF SAMPLE CATCHER = 85% COAL & 15% SHALE
	19:00 - 19:30	0.50	CM	c	80CMPL	SAFETY MEETING W / ALL PERSONNEL ON LOCATION
	19:30 - 01:30	6.00	CM	1	80CMPL	R&R C/O & CONDITION HOLE T/3684' TD W / 1.5 MMCFD AIR, 10 BPH MIST, 4 GAL'S FOAMER, 2 GAL'S POLYMER & INHIBITOR = RETURN'S TO SURFACE, LIGHT COAL & FINE'S W / 1/2 BPH WATER GAIN = 3 DOWN TO 1/2 BUCKET'S PER HOUR OFF SAMPLE CATCHER = 85% COAL & 15% SHALE
	01:30 - 01:45	0.25	CM	4	80CMPL	PUH T/3450' W / BHA
	01:45 - 03:15	1.50	CM	1	80CMPL	WORKING TIGHT SPOT'S F/3480'-99' & 3520'-30'
	03:15 - 03:30	0.25	CM	4	80CMPL	PUH INSIDE 7" CSG W / BHA
	03:30 - 04:00	0.50	CM	6	80CMPL	HANG BACK POWER SWIVEL & RU TO COOH

## Operations Summary Report

Legal Well Name: SAN JUAN 32-8 UNIT FRUITLA 000219A  
 Common Well Name: SAN JUAN 32-8 FRUITLAND #219A UNIT  
 Event Name: Original Completion Start: 07/15/2003 End: 08/08/2003  
 Contractor Name: KEY FOUR CORNERS Rig Release: 08/08/2003 Group:  
 Rig Name: KEY ENERGY Rig Number: 18

Date	From - To	Hours	Code	Subco	Phase	Description of Operations
08/07/2003	04:00 - 06:00	2.00	CM	4	80CMPL	COOH W / DP, DC'S & BHA
08/08/2003	06:00 - 07:00	1.00	CM	6	80CMPL	RU 5 1/2" EQUIPMENT
	07:00 - 07:30	0.50	CM	c	80CMPL	SAFETY MEETING W / ALL PERSONNEL ON LOCATION
	07:30 - 07:45	0.25	CM	8	80CMPL	TEST 5 1/2" RAM'S TO WELLBORE PRESSURE 510# = GOOD TEST
	07:45 - 08:00	0.25	CM	u	80CMPL	SHUT IN CSG PRESSURE 510# = LAST FLOW GAGE ON PITOT TUBE = 3000 MCFD W / LIGHT MIST
	08:00 - 08:30	0.50	CM	2	80CMPL	PU & MU T.I.W. 7" X 5 1/2" JGS MECH HANGER W/ STEEL SLEEVE ON JT OF DP
	08:30 - 09:30	1.00	CM	2	80CMPL	PU & MU 6 1/4" BIT, BIT SUB, 11 JT'S OF 5 1/2" J-55 15.50# ST&L FLUSH JT CSG W / T.I.W. HANGER ST&L THREAD'S
	09:30 - 10:30	1.00	CM	4	80CMPL	RIH SLOWLY W / BHA & DP T/3315'
	10:30 - 10:45	0.25	CM	6	80CMPL	PU POWER SWIVEL
	10:45 - 13:30	2.75	CM	1	80CMPL	WORKING LINER DOWNHOLE T/3635' = ATTENTION HOLE CLEAN BUT TIGHT SPOT'S @ 3475'-99' & 3515'-25' = SHALE SLIDE INTO LINER UNABLE TO PULL UP OR ROTATE BUT WORKED LINER DOWNHOLE F/3525' TO BOTTLE NECK OF RAT HOLE @ 3635' RELEASED OFF HANGER & SET TOP HOLD DOWN SLIP'S LINER SET AS FOLLOW'S 6 1/4" BIT SET @ 3635' PBSD @ BIT SUB @ 3633' BOTTOM OF HANGER SET @ 3233' TOP OF HANGER SET @ 3228'.96" OVERLAP OF 7" CSG SHOE 86' LINER & HANGER = ST&L FLUSH JT THREAD'S
	13:30 - 14:00	0.50	CM	1	80CMPL	
	14:00 - 14:15	0.25	CM	6	80CMPL	HANG BACK POWER SWIVEL
	14:15 - 16:30	2.25	CM	2	80CMPL	COOH LAYING DOWN DP, DC'S & SETTING TOOL
	16:30 - 16:45	0.25	CM	c	80CMPL	SAFETY MEETING W / ALL PERSONNEL ON LOCATION
	16:45 - 17:00	0.25	CM	6	80CMPL	RU BLUE JET PERFORATING EQUIPMENT
	17:00 - 17:15	0.25	CM	8	80CMPL	TEST LUBRICATOR TO 510# WELLBORE PRESSURE = GOOD TEST
	17:15 - 18:45	1.50	CM	q	80CMPL	BLUE JET PERFORATED 5 1/2" LINER W / 3 1/8" CSG GUN'S @ 75' # DIA HOLE'S, 4 SPF, 90 DEGREE PHASING AS FOLLOW'S 3332'-34' = 2 FT = 8 HOLE'S 3338'-42' = 4 FT = 16 HOLE'S 3346'-50' = 4 FT = 16 HOLE'S 3354'-56' = 2 FT = 8 HOLE'S 3384'-86' = 2 FT = 8 HOLE'S 3390'-92' = 2 FT = 8 HOLE'S 3443'-46' = 3 FT = 12 HOLE'S 3450'-54' = 4 FT = 16 HOLE'S 3456'-62' = 6 FT = 24 HOLE'S 3464'-67' = 3 FT = 12 HOLE'S 3488'-90' = 2 FT = 8 HOLE'S 3512'-15' = 3 FT = 12 HOLE'S 3518'-20' = 2 FT = 8 HOLE'S 3591'-94' = 3 FT = 12 HOLE'S 3606'-08' = 2 FT = 8 HOLE'S 3610'-16' = 6 FT = 24 HOLE'S 3625'-28' = 3 FT = 12 HOLE'S 3629'-33' = 4 FT = 16 HOLE'S TOTAL 57 FT & 228 HOLE'S
	18:45 - 19:15	0.50	CM	6	80CMPL	RD BLUE JET PERFORATING EQUIPMENT

## Operations Summary Report

Legal Well Name: SAN JUAN 32-8 UNIT FRUITLA 000219A  
 Common Well Name: SAN JUAN 32-8 FRUITLAND #219A UNIT  
 Event Name: Original Completion  
 Contractor Name: KEY FOUR CORNERS  
 Rig Name: KEY ENERGY

Start: 07/15/2003  
 Rig Release: 08/08/2003  
 Rig Number: 18

Spud Date: 07/01/2003  
 End: 08/08/2003  
 Group:

Date	From - To	Hours	Code	Subco	Phase	Description of Operations
08/08/2003	19:15 - 19:30	0.25	CM	1	80CMPL	SECURED WELL & LOCATION = S.D.O.N.
08/09/2003	07:00 - 07:30	0.50	CM	c	80CMPL	SAFETY MEETING W / ALL PERSONNEL ON LOCATION
	07:30 - 08:30	1.00	CM	6	80CMPL	RU 2 7/8" RAM'S & EQUIPMENT
	08:30 - 09:15	0.75	CM	8	80CMPL	TEST PIPE RAM'S = 200# 3 MIN'S & 1800# 10 MIN'S = GOOD TEST
	09:15 - 11:30	2.25	CM	2	80CMPL	PU & MU BHA = GIH PU 2 7/8" EUE 8RD TUBING OFF PIPE RACK
	11:30 - 11:45	0.25	CM	1	80CMPL	LAND TUBING HANGER W / 2 7/8" EUE 8RD TUBING SET AS FOLLOW'S
						2 7/8" EXP CHECK SET @ 3612'.40"
						2 7/8" BOTTOM JT TUBING SET @ 3611'.60"
						2 7/8" 2.250" FN SET @ 3579'.98"
						2 7/8" 113 JT'S TUBING SET @ 3578'.98" TO TUBING HANGER @ SURFACE
	11:45 - 13:30	1.75	CM	e	80CMPL	TOTAL JT'S IN WELL = 114 JT'S 2 7/8" EUE 8RD J-55 6.5# TUBING ND BOP'S & NU WELLHEAD = TEST WELLHEAD SEAL TO 3000# = GOOD TEST
	13:30 - 14:30	1.00	CM	5	80CMPL	PUMP-OFF EXP CHECK & FLOW BACK WELL NATURAL TO PURGE AIR OUT OF TUBING & WELLBORE
	14:30 - 17:00	2.50	MV	6	70DMOB	RD & RELEASED RIG & EQUIPMENT ON 08/08/2003 @ 17:00 PM = SECURED WELL & LOCATION = S.D.O.N. = RELEASED WELL TO PRODUCTION DEPT.

**END OF WELL SCHEMATIC**Well Name: San Juan 32-8 # 219AAPI #: 30-045-31653Spud: 1-Jul-03TD 8-3/4" Hole: 4-Jul-03Release Dril Rig: 5-Jul-03Move in Cav. Rig: 15-Jul-03TD 6-1/4" Hole: 18-Jul-03Release Cav. Rig: 8-Aug-03**Surface Casing**Date set: 2-Jul-03☒ New  
☐ UsedSize 9 5/8 inSet at 221 ft # Jnts: 5Wt. 32.3 ppf Grade H-40Hole Size 12 1/4 inWash Out 100 %Est. T.O.C. SURFACECsg Shoe 221 ftTD of 12-1/4" hole 231 ftNotified BLM @ 00:15 hrson 01-Jul-03Notified NMOCD @ 00:17 hrson 01-Jul-03**Intermediate Casing**Date set: 4-Jul-03☒ New  
☐ UsedSize 7 in 80 jtsSet at 3315 ft pupsWt. 20 ppf Grade J-55Hole Size 8 3/4 inWash Out 150 %Est. T.O.C. SURFACECsg Shoe 3315 ftTD of 8-3/4" Hole 3319 ftNotified BLM @ 20:10 hrs on 03-Jul-03Notified NMOCD @ 20:10 hrs on 03-Jul-03**Production Liner**Date set: 7-Aug-03☒ New  
☐ UsedSize 5 1/2 in Connections: STLBlank Wt. 15.5 ppfGrade J-55# Jnts: 11Hole Size 6 1/4 inBtm of Liner 3635 ftTop of Liner 3229 ftPBTD / Top of Bit Sub 3633Bottom of Liner / Bottom of 6-1/4" Bit: 3635TD 3684 ft**Surface Cement**Date cmt'd: 2-Jul-03Lead : 135 sx Class G Cement+ 2% S001 Calcium Chloride+ 0.25 lb/sx D029 Cellophane Flakes1.16 cuft/sx, 156.6 cuft slurry at 15.8 ppgDisplacement: 14.4 bbls fresh wtrBumped Plug at: 05:47 hrs w/ 525 psiFinal Circ Press: 75 psi @ 0.5 bpmReturns during job: YESCMT Returns to surface: 14 bblsFloats Held: No floats usedW.O.C. for 8.0 hrs (plug bump to drlg cmt)**Intermediate Cement**Date cmt'd: 4-Jul-03Lead : 420 sx Class G Cement+ 3% D079 Extender+ 0.25 lb/sx D029 Cellophane Flakes+ 0.2% D046 Antifoam+ 0.05 gal/sx D047 Antifoam2.61 cuft/sx, 1096.2 cuft slurry at 11.7 ppgTail : 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 Antifoam1.27 cuft/sx, 127 cuft slurry at 13.5 ppgDisplacement: 132 bbls Fresh WtrBumped Plug at: 20:07 hrs w/ 1450 psiFinal Circ Press: 760 psi @ 2 bpmReturns during job: YESCMT Returns to surface: 22 bblsFloats Held: X Yes    No**UNCEMENTED LINER****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 and WOC before backing out landing jt.

Intermediate:

Production: 6 1/4" BIT, BIT SUB & FLOAT RUN ON BOTTOM JOINT OF LINERUnable to get liner to bottom due to drag / fill. Unable to pull liner. Bottom of liner is 49 ft off bottomPerforated 5-1/2" liner. Ran 2-7/8", 6.5#, J-55 EUE 8rd, tubing (EOT at 3612' RKB) - Flowing gas well configuration.**CENTRALIZERS:**Surface: CENTRALIZERS @ 211', 138', 97' & 56'.Total: 4Intermediate: CENTRALIZERS @ 3305', 3230', 3147', 3065', 2981', 2898', & 202'.Total: 7TURBOLIZERS @ 2486', 2444', 2403'Total: 3