

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

RECEIVED

FORM APPROVED
OMB NO. 1004-0137
Expires: November 30, 2000Lease Serial No.
NMSF 079341A

1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry Other 070 Farmington, NM
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resrv.. Other _____

2. Name of Operator
CONOCOPHILLIPS CO.

3. Address P.O. BOX 2197 WL3 4061 HOUSTON TX 77252 3.a Phone No. (Area code) (832) 486-2326

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
At Surface NWNW, 685' FNL & 545' FWL
At top prod. interval reported below
At total depth

7. Unit or CA Agreement Name and no.

8. Lease Name and Well No.
SAN JUAN 32-8 UNIT 231A

9. API Well No.
30-045-31628

10. Field and Pool, or Exploratory
BASIN FRUITLAND COAL

11. Sec., T., R., M., on Block and Survey or Area D 28 32N 8W

12. County or Parish SAN JUAN 13. State NEW MEXICO

14. Date Spudded 06/07/2003 15. Date T.D. Reached 06/11/2003 16. Date Completed ☐ D & A ☒ Ready to Prod. 07/23/2003

17. Elevations (DF, RKB, RT, GL)*
6705 GL

18. Total Depth: MD 3689 TVD 3689 19. Plug Back T.D.: MD 3686 TVD 3686 20. Depth Bridge Plug Set: MD TVD

21. Type of 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 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	219		135		0	
8.75	7 J55	20	0	3278		515		0	
6.25	5.5 J55	15.5	3230	3688		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	3679							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) FRUITLAND COAL	3316	3634	3316 - 3634	.75	240	OPEN
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
3230 - 3688	CAVITATE

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
07/23/03	07/13/03	24	→	0	3200	10			FLOWING FROM WELL
Choice Size	Thg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
PITOT	SI 0	470	→					PRODUCING	ACCEPTED FOR RECORD

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	Thg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	

SEP 12 2003

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.)

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	860
				OJO ALAMO	2335
				KIRTLAND	2380
				FRUITLAND	3185
				FRUITLAND COAL	3300
				PICTURE CLIFFS	3610

32. Additional remarks (include plugging procedure):

This well is a single producing from the Basin Fruitland Coal. Attached is the 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 Date 08/20/2003

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 000231A
 Common Well Name: SAN JUAN 32-8 FRUITLAND #231A UNIT
 Event Name: Original Completion Start: 06/19/2003 End: 07/15/2003
 Contractor Name: KEY FOUR CORNERS Rig Release: 07/14/2003 Group:
 Rig Name: KEY ENERGY Rig Number: 18

Date	From - To	Hours	Code	Subco	Phase	Description of Operations
06/20/2003	07:00 - 07:30	0.50	MV	c	70DMOB	SAFETY MEETING W / ALL PERSONNEL ON LOCATION
	07:30 - 10:00	2.50	MV	w	70DMOB	LOADING OUT EQUIPMENT ON FLOAT'S
	10:00 - 14:00	4.00	MV	n	70DMOB	MOVING RIG & EQUIPMENT TO LOCATION
	14:00 - 18:30	4.50	MV	6	00MMIR	MIRU KEY RIG # 18 & EQUIPMENT
	18:30 - 19:00	0.50	MV	1	00MMIR	SECURED LOCATION & S.D.O.N. = KEY TRUCKING HAD INCIDENT OF 3 RD LOCATION 32-8 # 50 M.V. = BACKED INTO GAS RISER & BENT RISER = HAD 200# GAS ON LINER = NO CRACK'S OR LEAK'S = HAD WILLIAM'S LOTO & BLOW DOWN LINER = NOTIFIED COPC & WILLIAM'S PERSONNEL
06/21/2003	07:00 - 07:30	0.50	MV	c	00MMIR	SAFETY MEETING W / ALL PERSONNEL ON LOCATION
	07:30 - 09:30	2.00	MV	6	00MMIR	RU RIG FLOOR & GROUND LINE'S
	09:30 - 12:00	2.50	CM	e	50PRDR	NU BOP'S, HCR VALVE'S, CHOKE MANIFOLD & LINE'S
	12:00 - 12:45	0.75	CM	9	50PRDR	STATE INTEGRITY TEST ON 7" CSG = TEST BLIND RAM'S & 7" CSG = 200# 3 MIN'S & 665# 30 MIN'S = GOOD TEST CHARTED FOR STATE
	12:45 - 14:00	1.25	CM	8	50PRDR	TEST 7" CSG, BLIND & PIPE RAM'S, HCR VALVE'S & CHOKE MANIFOLD = 200# 3 MIN'S & 1800# 30 MIN'S = GOOD TEST
	14:00 - 16:30	2.50	CM	c	50PRDR	COMPLETE INSPECTION OF RIG & SUPPORT EQUIPMENT = GOOD INSPECTION BY COPC SAFETY REP.
	16:30 - 17:45	1.25	CM	6	50PRDR	RU BLOOIE LINE'S & PAD'S
	17:45 - 18:45	1.00	CM	2	50PRDR	PU PIPE OUT OF PIPE BASKET & PUT ON PIPE RACK = TALLY PIPE
06/22/2003	18:45 - 19:00	0.25	CM	1	50PRDR	SECURED LOCATION & S.D.O.N.
	07:00 - 07:30	0.50	CM	c	50PRDR	SAFETY MEETING W / ALL PERSONNEL ON LOCATION
	07:30 - 10:00	2.50	CM	2	50PRDR	GIH PU 6 1/4" BIT, BIT SUB, 16-3/12" DC'S, 1-2 7/8" DP, 1-FN W / 1.81 PROFILE, 2 7/8" DP TAG @ CMT @ 3225'
	10:00 - 10:30	0.50	CM	6	50PRDR	PU & MU POWER SWIVEL
	10:30 - 11:00	0.50	CM	5	50PRDR	CIRC & UNLOAD HOLE W / AIR ASSIST
	11:00 - 12:15	1.25	CM	1	50PRDR	DRILLED OUT CMT, 7" FLOAT COLLAR @ 3234', DRILL OUT CMT & 7" SHOE @ 3278', DRILL OUT OPEN HOLE TO 8 3/4" TD @ 3280'
	12:15 - 19:00	6.75	CM	1	50PRDR	DRILL 6 1/4" HOLE F/3280'-T/3550' W / AIR ASSIST = HAD GAS SHOW OF 25 GAS UNIT'S OUT FROM UNDER 7" SHOE
	19:00 - 19:30	0.50	CM	c	50PRDR	SAFETY MEETING W / ALL PERSONNEL ON LOCATION
	19:30 - 22:30	3.00	CM	1	50PRDR	DRILL 6 1/4" HOLE F/3550' TO TD @ 3689' W / AIR ASSIST
	22:30 - 23:30	1.00	CM	5	50PRDR	CIRC & CORRELATE W / MUD LOGGER = FRUITLAND COAL INTERVAL AS FOLLOW'S
						3280'-83' = 3 FT = 25 GAS UNIT'S
						3310'-11' = 1 FT = 75 GAS UNIT'S
						3316'-18' = 2 FT = 75 GAS UNIT'S
						3320'-23' = 3 FT = 120 GAS UNIT'S
						3330'-31' = 1 FT = 124 GAS UNIT'S
						3335'-38' = 3 FT = 111 GAS UNIT'S
						3342'-51' = 9 FT = 600 GAS UNIT'S
						3425'-26' = 1 FT = 250 GAS UNIT'S
						3427'-28' = 1 FT = 250 GAS UNIT'S
						3431'-34' = 3 FT = 300 GAS UNIT'S
						3437'-57' = 20 FT = 605 GAS UNIT'S
						3501'-02' = 1 FT = 500 GAS UNIT'S
						3518'-31' = 13 FT = 537 GAS UNIT'S
						3532'-35' = 3 FT = 553 GAS UNIT'S
						3536'-38' = 2 FT = 553 GAS UNIT'S
						3543'-45' = 2 FT = 577 GAS UNIT'S
						3597'-3603' = 6 FT = 656 GAS UNIT'S

Operations Summary Report

Legal Well Name: SAN JUAN 32-8 UNIT FRUITLA 000231A
 Common Well Name: SAN JUAN 32-8 FRUITLAND #231A UNIT
 Event Name: Original Completion Start: 06/19/2003 End: 06/07/2003
 Contractor Name: KEY FOUR CORNERS Rig Release: 07/14/2003 Group:
 Rig Name: KEY ENERGY Rig Number: 18

Date	From - To	Hours	Code	Subco	Phase	Description of Operations
06/22/2003	22:30 - 23:30	1.00	CM	5	50PRDR	3615'-20' = 5 FT = 641 GAS UNIT'S 3622'-29' = 7 FT = 700 GAS UNIT'S 3631'-34' = 3 FT = 695 GAS UNIT'S TOTAL NET COAL 89 FT P.C. SPIKE @ 3675' = DID NOT HOLE BACK GROUND GAS
	23:30 - 02:30	3.00	CM	1	50PRDR	R&R C/O T/3689' TD W / AIR ASSIST
	02:30 - 02:45	0.25	CM	4	50PRDR	PUH TO 3620' TO GET OUT OF RAT HOLE
	02:45 - 06:00	3.25	CM	1	50PRDR	R&R C/O F/3620' - T/3651' 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
06/23/2003	06:00 - 07:00	1.00	CM	1	80CMPL	R&R C/O T/3651' 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
	07:00 - 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/3651' W / 1.5 MMCFD AIR, 12 BPH MIST, 2 GAL'S FOAMER & INHIBITOR = RETURN'S TO SURFACE, MED COAL & FINE'S W / NO WATER GAIN = 5 DOWN TO 4 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
06/24/2003	19:30 - 06:00	10.50	CM	1	80CMPL	R&R C/O T/3651' 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 = 4 DOWN TO 1 BUCKET'S PER HOUR OFF SAMPLE CATCHER = 95% COAL & 5% SHALE
	06:00 - 07:00	1.00	CM	1	80CMPL	R&R C/O T/3651' 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 - 08:30	1.00	CM	1	80CMPL	R&R C/O T/3651' 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'S PER HOUR OFF SAMPLE CATCHER = 95% COAL & 5% SHALE
	08:30 - 09:00	0.50	CM	4	80CMPL	PUH INSIDE 7" CSG W / BHA & RU TO TEST WELL
	09:00 - 10:00	1.00	CM	u	80CMPL	2" OPEN FLOW TEST W / PITOT TUBE = 15 MIN'S-500 MCFD = 30 MIN'S-600 MCFD = 45 MIN'S-600 MCFD = 1 HR-600 MCFD
	10:00 - 11:00	1.00	CM	t	80CMPL	SHUT IN TEST = ISIP-15# = 15 MIN'S-80# = 30 MIN'S-240# = 45 MIN'S-320# = 1 HR-380#
	11:00 - 17:00	6.00	CM	1	80CMPL	SURGE'S # 1 & # 2 @ 400# NATURAL FORMATION GAS W / SURGE'S # 3 & # 4 @ 1200# AIR ASSIST W / 1.5 MMCFD AIR, 12 BPH MIST, 2 GAL'S FOAMER & 5 BBL WATER-FOAMER PAD'S = BREAKOVER POINT @ 1100# = RETURN'S TO SURFACE, LIGHT TO MED COAL & FINE'S
	17:00 - 17:30	0.50	CM	4	80CMPL	RIH FROM 7" CSG & TAG FILL @ 3438'
	17:30 - 19:00	1.50	CM	1	80CMPL	R&R C/O T/3458' W / 1.5 MMCFD AIR, 12 BPH MIST, 1 GAL 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
	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/3635' 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

Operations Summary Report

Legal Well Name: SAN JUAN 32-8 UNIT FRUITLA 000231A
 Common Well Name: SAN JUAN 32-8 FRUITLAND #231A UNIT
 Event Name: Original Completion Start: 06/19/2003 End: 07/15/2003
 Contractor Name: KEY FOUR CORNERS Rig Release: 07/14/2003 Group:
 Rig Name: KEY ENERGY Rig Number: 18

Date	From - To	Hours	Code	Subco	Phase	Description of Operations
06/24/2003	19:30 - 06:00	10.50	CM	1	80CMPL	CATCHER = 95% COAL & 5% SHALE
06/25/2003	06:00 - 07:00	1.00	CM	1	80CMPL	R&R C/O TO 3635' W / 1.5 MMCFD AIR, 12 BPH MIST, 2 GAL'S FOAMER & INHIBITOR = RETURN'S TO SURFACE, MED COAL & FINE'S W / NO WATER GAIN = 4 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 - 08:30	1.00	CM	1	80CMPL	R&R C/O T/3635' 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 = 3 DOWN TO 1 BUCKET'S PER HOUR OFF SAMPLE CATCHER = 95% COAL & 5% SHALE
	08:30 - 09:00	0.50	CM	4	80CMPL	PUH INSIDE 7" CSG & RU TO SURGE WELL
	09:00 - 16:00	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 C/O AIR BOOSTER & WELD ON SECONDARY BLOOE LINER 70 DEGREE TEE
	16:00 - 18:30	2.50	CM	z	80CMPL	RIH FROM 7" CSG & TAG FILL @ 3435'
	18:30 - 19:00	0.50	CM	4	80CMPL	SAFETY MEETING W / ALL PERSONNEL ON LOCATION
	19:00 - 19:30	0.50	CM	c	80CMPL	R&R C/O T/3635' 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
	19:30 - 06:00	10.50	CM	1	80CMPL	R&R C/O T/3635' W / 1.5 MMCFD AIR, 12 BPH MIST, 1 GAL FOAMER & INHIBITOR = RETURN'S TO SURFACE, MED COAL & FINE'S W / NO WATER GAIN = 3 TO 4 BUCKET'S PER HOUR OFF SAMPLE CATCHER = 95% COAL & 5% SHALE
06/26/2003	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/3635' 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 = 4 DOWN TO 1/2 BUCKET'S PER HOUR OFF SAMPLE CATCHER = 95% COAL & 5% SHALE
	07:30 - 12:30	5.00	CM	1	80CMPL	PUH INSIDE 7" CSG W / BHA & RU TO SURGE WELL
	12:30 - 13:00	0.50	CM	4	80CMPL	SURGE'S # 9 - # 10 - # 11 - # 12 @ 1200# AIR ASSIST W / 1.5 MMCFD AIR, 12 BPH MIST, 3 GAL'S FOAMER & 5 BBL WATER-FOAMER PAD'S = RETURN'S TO SURFACE, LIGHT TO MED COAL & FINE'S
	13:00 - 19:00	6.00	CM	1	80CMPL	SAFETY MEETING W / ALL PERSONNEL ON LOCATION
	19:00 - 19:30	0.50	CM	c	80CMPL	RIH FROM 7" CSG & TAG FILL @ 3430'
	19:30 - 20:00	0.50	CM	4	80CMPL	R&R C/O T/3480' 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 = 95% COAL & 5% SHALE
	20:00 - 06:00	10.00	CM	1	80CMPL	R&R C/O T/3480' 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 = 95% COAL & 5% SHALE
06/27/2003	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/3580' 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 DOWN TO 6 BUCKET'S PER HOUR OFF SAMPLE CATCHER = 95% COAL & 5% SHALE
	07:30 - 19:00	11.50	CM	1	80CMPL	SAFETY MEETING W / ALL PERSONNEL ON LOCATION
	19:00 - 19:30	0.50	CM	c	80CMPL	R&R C/O T/3635' W / 1.5 MMCFD AIR, 12 BPH MIST, 1 GAL FOAMER & INHIBITOR = RETURN'S TO SURFACE, HEAVY TO MED COAL &
	19:30 - 06:00	10.50	CM	1	80CMPL	

Operations Summary Report

Legal Well Name: SAN JUAN 32-8 UNIT FRUITLA 000231A
 Common Well Name: SAN JUAN 32-8 FRUITLAND #231A UNIT
 Event Name: Original Completion Start: 06/19/2003 End: 07/15/2003
 Contractor Name: KEY FOUR CORNERS Rig Release: 07/14/2003 Group:
 Rig Name: KEY ENERGY Rig Number: 18

Date	From - To	Hours	Code	Subco	Phase	Description of Operations
06/27/2003	19:30 - 06:00	10.50	CM	1	80CMPL	FINE'S W / NO WATER GAIN = 10 DOWN TO 5 BUCKET'S PER HOUR OFF SAMPLE CATCHER = 95% COAL & 5% SHALE
06/28/2003	06:00 - 07:00	1.00	CM	1	80CMPL	R&R C/O T/3635' W / 1.5 MMCFD AIR ASSIST W / 12 BPH MIST, 1 GAL FOAMER & INHIBITOR = RETURN'S TO SURFACE, MED TO LIGHT COAL & FINE'S W / NO WATER GAIN = 4 DOWN TO 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 - 10:00	2.50	CM	1	80CMPL	R&R C/O T/3635' W / 1.5 MMCFD AIR ASSIST W / 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
	10:00 - 10:30	0.50	CM	4	80CMPL	PUH INSIDE 7" CSG W / BHA & RU TO SURGE WELL
	10:30 - 17:00	6.50	CM	1	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
	17:00 - 17:30	0.50	CM	4	80CMPL	RIH FROM 7" CSG & TAG FILL @ 3320'
	17:30 - 19:00	1.50	CM	1	80CMPL	R&R C/O T/3380' W / 1.5 MMCFD AIR ASSIST, 12 BPH MIST, 1 GAL FOAMER & INHIBITOR = RETURN'S TO SURFACE, MED COAL & FINE'S W / 1 BPH WATER GAIN = 5 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/3480' W / 1.5 MMCFD AIR ASSIST, 12 BPH MIST, 1 GAL FOAMER & INHIBITOR = RETURN'S TO SURFACE, HEAVY COAL & FINE'S W / 2 BPH WATER GAIN = 10 BUCKET'S PER HOUR OFF SAMPLE CATCHER = 90% COAL & 10% SHALE
06/29/2003	06:00 - 07:00	1.00	CM	1	80CMPL	R&R C/O T/3480' W / 1.5 MMCFD AIR ASSIST, 12 BPH MIST, 1 GAL FOAMER & INHIBITOR = RETURN'S TO SURFACE, HEAVY COAL & FINE'S W / 2 BPH WATER GAIN = 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/3560' W / 1.5 MMCFD AIR ASSIST, 12 BPH MIST, 2 GAL'S FOAMER & INHIBITOR = RETURN'S TO SURFACE, HEAVY TO MED COAL & FINE'S W / 1.5 BPH WATER GAIN = 9 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/3635' W / 1.5 MMCFD AIR ASSIST, 12 BPH MIST, 1 GAL FOAMER & INHIBITOR = RETURN'S TO SURFACE, HEAVY TO MED COAL & FINE'S W / 1 BPH WATER GAIN = 8 DOWN TO 4 BUCKET'S PER HOUR OFF SAMPLE CATCHER = 90% COAL & 10% SHALE
06/30/2003	06:00 - 07:00	1.00	CM	1	80CMPL	R&R C/O T/3635' W / 1.5 MMCFD AIR ASSIST, 12 BPH MIST, 1 GAL FOAMER & INHIBITOR = RETURN'S TO SURFACE, LIGHT COAL & FINE'S W / 1.5 BPH 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 - 09:00	1.50	CM	1	80CMPL	R&R C/O T/3635' W / 1.5 MMCFD AIR ASSIST, 12 BPH MIST, 1 GAL FOAMER & INHIBITOR = RETURN'S TO SURFACE, LIGHT COAL & FINE'S W / 2 BPH WATER GAIN = 2 DOWN TO 1/2 BUCKET'S PER HOUR OFF SAMPLE CATCHER = 90% COAL & 10% SHALE
	09:00 - 09:30	0.50	CM	4	80CMPL	PUH INSIDE 7" CSG W / BHA & RU TO TEST WELL
	09:30 - 10:30	1.00	CM	u	80CMPL	2" OPEN FLOW TEST W / PITOT TUBE = 15 MIN'S-1644 MCFD =

Operations Summary Report

Legal Well Name: SAN JUAN 32-8 UNIT FRUITLA 000231A
 Common Well Name: SAN JUAN 32-8 FRUITLAND #231A UNIT
 Event Name: Original Completion Start: 06/19/2003 End: 07/15/2003
 Contractor Name: KEY FOUR CORNERS Rig Release: 07/14/2003 Group:
 Rig Name: KEY ENERGY Rig Number: 18

Date	From - To	Hours	Code	Subco	Phase	Description of Operations
06/30/2003	09:30 - 10:30	1.00	CM	u	80CMPL	30 MIN'S-1808 MCFD = 45 MIN'S-1865 MCFD = 1 HR-1865 MCFD
	10:30 - 11:30	1.00	CM	t	80CMPL	SHUT IN TEST = ISIP-70# = 15 MIN'S-225# = 30 MIN'S-360# = 45 MIN'S-420# = 1 HR-470#
	11:30 - 18:00	6.50	CM	1	80CMPL	SURGE'S # 17 - # 18 - # 19 - # 20 @ 1200# AIR ASSIST W / 1.5 MMCDF AIR, 12 BPH MIST, 2 GAL'S FOAMER & 5 BBL WATER-FOAMER PAD'S = RETURN'S TO SURFACE, LIGHT TO HEAVY COAL & FINE'S
	18:00 - 18:30	0.50	CM	4	80CMPL	RIH FROM 7" CSG & TAG FILL @ 3320'
	18:30 - 19:00	0.50	CM	1	80CMPL	R&R C/O T/3335' W / 1.5 MMCDF AIR ASSIST, 12 BPH MIST, 1 GAL FOAMER & INHIBITOR = RETURN'S TO SURFACE, HEAVY COAL & FINE'S W / 2 BPH WATER GAIN = 9 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
07/01/2003	19:30 - 06:00	10.50	CM	1	80CMPL	R&R C/O F/3320' - T/3400' W / 1.5 MMCDF AIR ASSIST, 12 BPH MIST, 1 GAL FOAMER & INHIBITOR = RETURN'S TO SURFACE, HEAVY TO MED COAL & FINE'S W / 1.5 BPH WATER GAIN = 10 DOWN TO 6 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/3400' W / 1.5 MMCDF AIR, 12 BPH MIST, 1 GAL FOAMER & INHIBITOR = RETURN'S TO SURFACE, MED COAL & FINE'S W / 1.5 BPH WATER GAIN = 6 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 MMCDF AIR, 12 BPH MIST, 2 GAL'S FOAMER & INHIBITOR = RETURN'S TO SURFACE, HEAVY COAL & FINE'S W / 2 BPH WATER GAIN = 10 DOWN TO 8 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/3542' W / 1.5 MMCDF AIR, 12 BPH MIST, 2 GAL'S FOAMER & INHIBITOR = RETURN'S TO SURFACE, HEAVY TO MED COAL & FINE'S W / 1.5 BPH WATER GAIN = 12 DOWN TO 6 BUCKET'S PER HOUR OFF SAMPLE CATCHER = 85% COAL & 15% SHALE
07/02/2003	06:00 - 07:00	1.00	CM	1	80CMPL	R&R C/O T/3542 W / 1.5 MMCDF AIR, 12 BPH MIST, 1 GAL FOAMER & INHIBITOR = RETURN'S TO SURFACE, MED COAL & FINE'S W / 1 BPH WATER GAIN = 6 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 T/3574' W / 1.5 MMCDF AIR, 12 BPH MIST, 2 GAL'S FOAMER & INHIBITOR = RETURN'S TO SURFACE, HEAVY TO MED COAL & FINE'S W / 1.5 BPH WATER GAIN = 10 DOWN TO 5 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 T/3604' W / 1.5 MMCDF AIR ASSIST, 12 BPH MIST, 2 GAL'S FOAMER & INHIBITOR = RETURN'S TO SURFACE, HEAVY TO MED COAL & FINE'S W / 1 BPH WATER GAIN = 9 DOWN TO 6 BUCKET'S PER HOUR OFF SAMPLE CATCHER = 85% COAL & 15% SHALE
	06:00 - 07:00	1.00	CE	1	80CMPL	R&R CO COAL FR 3572'- 3604' W/1800CM AIR- MIST. CIRCULATING PRESSURE- 400PSI. RETURNS OF MOD- LT COAL CHIPS & MOD COAL FINES. 2 1/2BKTS PR/HR FR SAMPLE CATCHER. 95% COAL, 5% SHALE.
07/03/2003	07:00 - 07:30	0.50	CE	c	80CMPL	CREW CHANGE. SAFETY MEETING.

Operations Summary Report

Legal Well Name: SAN JUAN 32-8 UNIT FRUITLA 000231A
 Common Well Name: SAN JUAN 32-8 FRUITLAND #231A UNIT
 Event Name: Original Completion Start: 06/19/2003 End: 07/15/2003
 Contractor Name: KEY FOUR CORNERS Rig Release: 07/14/2003 Group:
 Rig Name: KEY ENERGY Rig Number: 18

Date	From - To	Hours	Code	Subco	Phase	Description of Operations
07/03/2003	07:30 - 15:00	7.50	CE	1	80CMPL	R&R CO COAL FR 3572'- 3604' W/1800CFM AIR- ASSIST. CIRCULATING PRESSURE- 400PSI. RETURNS OF LT COAL CHIPS & MOD- LT COAL FINES. 2 1/2 DN TO 1/2BKT PR/HR FR SAMPLE CATCHER. 95% COAL, 5% SHALE.
	15:00 - 19:00	4.00	CE	1	80CMPL	R&R CO COAL FR 3605'- 34' W/1800CFM AIR- MIST. CIRCULATING PRESSURE- 400PSI. RETURNS OF MOD COAL CHIPS & HVY COAL FINES. 4 DN TO 3BKTS PR/HR FR SAMPLE CATCHER. 95% COAL, 5% SHALE.
	19:00 - 19:15	0.25	CE	c	80CMPL	CREW CHANGE. SAFETY MEETING.
	19:15 - 06:00	10.75	CE	1	80CMPL	R&R CO COAL FR 3605'- 34' W/1800CFM AIR- MIST. CIRCULATING PRESSURE- 380PSI. RETURNS OF MOD COAL CHIPS & HVY- MOD COAL FINES. 3 DN TO 2 BKTS PR/HR FR SAMPLE CATCHER. 95% COAL, 5% SHALE.
07/04/2003	06:00 - 07:00	1.00	CM	1	80CMPL	R&R CO COAL FR 3605'- 3634' W/1800CFM AIR- MIST. CIRCULATING PRESSURE- 380PSI. RETURNS OF MOD COAL CHIPS & MOD COAL FINES. 2 BKTS PR/HR FR SAMPLE CATCHER. 95% COAL, 5% SHALE.
	07:00 - 07:30	0.50	CM	c	80CMPL	CREW CHANGE. SAFETY MEETING & RIG SERVICE.
	07:30 - 16:30	9.00	CM	1	80CMPL	R&R CO COAL FR 3605'- 34' W/1800CFM AIR, 10BPH MIST W/1GAL FOAMER+INHIBITOR. CIRCULATING PRESSURE- 380PSI. RETURNS OF LT COAL CHIPS & MOD- LT COAL FINES. 2 DN TO 1/2BKT PR/HR FR SAMPLE CATCHER. 95% COAL, 5% SHALE.
	16:30 - 17:00	0.50	CM	2	80CMPL	PULL UP INSIDE 7" CSG LAYING DN 7-JTS OF 2 7/8" DP.
	17:00 - 18:00	1.00	CM	u	80CMPL	CONDUCT FLOW TEST THROUGH 2" W/PITOT GUAGE. INITIAL FLOW - 1.35MMCFD 15MIN FLOW - 1.64MMCFD 30MIN FLOW - 1.80MMCFD 45MIN FLOW - 1.80MMCFD 60MIN FLOW - 1.80MMCFD
	18:00 - 19:00	1.00	CM	t	80CMPL	SI FOR 60MIN BUILD UP INITIAL ISIP - 90PSI 15MIN SI - 240PSI 30MIN SI - 320PSI 45MIN SI - 380PSI 60MIN SI - 410PSI
07/08/2003	07:00 - 07:30	0.50	CM	c	80CMPL	SAFETY MEETING PRIOR TO STARTING OPERATIONS-SICP 580 PSIG-
	07:30 - 08:00	0.50	CM	4	80CMPL	BLEED WELL DOWN TO PIT. GIH W/ 6-1/4" DRLG ASSEMBLY F/ 7" CASING @ 3278' & TAG BRIDGE @ 3430'KB.
	08:00 - 06:00	22.00	CM	1	80CMPL	R&R CO COAL F/3430 - T/3510' W/1800CFM AIR, 10BPH MIST W/1GAL FOAMER+INHIBITOR @ 380 PSIG.
07/09/2003						RETURNS: 2 DN TO 1/2 BUCKET /HR PRIOR TO EACH CONNECTION OF VERY FINE COAL ~98% COAL & ~2% SHALE.
	06:00 - 06:00	24.00	CM	1	80CMPL	SAFETY MEETING PRIOR TO STARTING OPERATIONS R&R CO COAL F/3500 - T/3542'- W/1800CFM AIR, 10BPH MIST W/1GAL FOAMER+INHIBITOR @ 500 PSIG. RETURNS: 2 UP TO 4 BUCKET (S) /HR PRIOR TO EACH CONNECTION OF VERY FINE COAL (FRAC SAND SIZE) ~98% COAL & ~2% SHALE. TIGHT SHALE SPOT FROM 3500-3510'KB.

Operations Summary Report

Legal Well Name: SAN JUAN 32-8 UNIT FRUITLA 000231A
 Common Well Name: SAN JUAN 32-8 FRUITLAND #231A UNIT
 Event Name: Original Completion Start: 06/19/2003 End: 07/15/2003
 Contractor Name: KEY FOUR CORNERS Rig Release: 07/14/2003 Group:
 Rig Name: KEY ENERGY Rig Number: 18

Date	From - To	Hours	Code	Subco	Phase	Description of Operations
07/10/2003	06:00 - 06:00	24.00	CM	1	80CMPL	SAFETY MEETING PRIOR TO STARTING OPERATIONS- REVIEW & APPLY FOREST SERVICE LEVEL "3" RESTRICTIONS- R&R CO COAL F/3542 - T/3634'- W /1800CFM AIR, 10BPH MIST CONTAINING 2 GAL FOAMER, W/ 1+ GALS OF POLYMER, & INHIBITOR @ 800-1000 PSIG. RETURNS: 4 DOWN TO 1 BUCKET (S) /HR PRIOR TO EACH CONNECTION OF FINE COAL (8/12 MESH FRAC SAND SIZE) ~98% COAL & ~2% SHALE. TIGHT SPOT SHALE INTERVAL F/3504-T/3510'KB. RUNNING COAL F/3518-T/3531'.
07/11/2003	06:00 - 07:00	1.00	CM	1	80CMPL	R&R C/O & CONDITION HOLE TO 3642' 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 / 1/2 BPH WATER GAIN = 12 DOWN TO 7 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 HOLE T/3642' 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 / 1/2 BPH WATER GAIN = 7 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 T/3689' TD W / 1.5 MMCFD AIR, 12 BPH MIST, 2 GAL'S FOAMER, 1 GAL POLYMER & INHIBITOR = RETURN'S TO SURFACE, HEAVY TO LIGHT COAL & FINE'S W / 1/2 BPH WATER GAIN = 9 DOWN TO 3 BUCKET'S PER HOUR OFF SAMPLE CATCHER = 90% COAL & 10% SHALE
07/12/2003	06:00 - 07:00	1.00	CM	1	80CMPL	R&R C/O & CONDITION HOLE T/ 3689' 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 = 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 - 08:00	0.50	CM	1	80CMPL	R&R C/O & CONDITION HOLE T/3689' 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 = 1 BUCKET PER HOUR OFF SAMPLE CATCHER = 90% COAL & 10% SHALE
	08:00 - 08:30	0.50	CM	4	80CMPL	PUH INSIDE 7" CSG W / BHA
	08:30 - 10:30	2.00	CM	g	80CMPL	FLOW WELL OUT BLOOIE LINE'S TO CHECK HOLE CONDITION'S
	10:30 - 11:00	0.50	CM	4	80CMPL	RIH FROM 7" CSG & TAG TIGHT SPOT @ 3455'
	11:00 - 19:00	8.00	CM	1	80CMPL	R&R C/O & CONDITION HOLE T/3603' W / 1.5 MMCFD AIR, 12 BPH MIST, 2 GAL'S POLYMER & INHIBITOR = RETURN'S TO SURFACE, MED COAL & FINE'S W / NO WATER GAIN = 7 DOWN TO 3 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 - 03:00	7.50	CM	1	80CMPL	R&R C/O & CONDITION HOLE T/3689' TD W / 1.5 MMCFD AIR 12 BPH MIST, 2 GAL'S POLYMER & INHIBITOR = RETURN'S TO SURFACE, MED TO LIGHT COAL & FINE'S W / NO WATER GAIN = 6 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

Operations Summary Report

Legal Well Name: SAN JUAN 32-8 UNIT FRUITLA 000231A
 Common Well Name: SAN JUAN 32-8 FRUITLAND #231A UNIT
 Event Name: Original Completion Start: 06/19/2003 End: 07/15/2003
 Contractor Name: KEY FOUR CORNERS Rig Release: 07/14/2003 Group:
 Rig Name: KEY ENERGY Rig Number: 18

Date	From - To	Hours	Code	Subco	Phase	Description of Operations
07/12/2003	03:30 - 04:00	0.50	CM	6	80CMPL	HANG BACK POWER SWIVEL & RU TO COOH W / PIPE
	04:00 - 06:00	2.00	CM	4	80CMPL	COOH W / DP, DC'S & BHA
07/13/2003	06:00 - 07:00	1.00	CM	6	80CMPL	RU 5 1/2" RAM'S & 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 450# FOR 15 MIN'S
						= GOOD TEST
	07:45 - 08:15	0.50	CM	u	80CMPL	LAST FLOW TEST = 2" OPEN FLOW TEST W / PITOT TUBE =
						3200 MCFD
	08:15 - 09:30	1.25	CM	2	80CMPL	GIH PU 6 1/4" BIT, BIT SUB, 10 JT'S OF 5 1/2" 15.50# J-55 LT&C CSG
						W / BAKER 7" X 5 1/2" SLP-R LINER HANGER W / STEEL SLEEVE
	09:30 - 10:30	1.00	CM	4	80CMPL	RIH W / LINER & DP TAG TIGHT SPOT @ 3380'
	10:30 - 10:45	0.25	CM	6	80CMPL	PU POWER SWIVEL
	10:45 - 11:45	1.00	CM	1	80CMPL	WORKING LINER DOWN THROUGH TIGHT SPOT TO TD @ 3689' W
						/ AIR ASSIST
	11:45 - 12:15	0.50	CM	z	80CMPL	PICK UP BIT 1 FT OFF BOTTOM & SET BAKER SLP-R LINER
						HANGER = RELEASED OFF HANGER = 5 1/2" LINER SET AS
						FOLLOWS = 6 1/4" BIT SET @ 3688'.00" = 5 1/2" BIT SUB SET @
						3687'.35" = 10 JT'S OF 5 1/2" 15.50# J-55 LT&C CSG SET @ 3685'.90"
						= BOTTOM OF BAKER 7" X 5 1/2" SLP-R LINER HANGER SET @
						3234'.70" = TOP OF LINER HANGER SET @ 3230'.62" = OVERLAP
						OF 7" CSG SHOE 47'.38"
	12:15 - 12:30	0.25	CM	6	80CMPL	HANG BACK POWER SWIVEL
	12:30 - 15:30	3.00	CM	2	80CMPL	COOH LAYING DOWN DP, DC'S & SETTING TOOL
	15:30 - 16:00	0.50	CM	c	80CMPL	SAFETY MEETING W / ALL PERSONNEL ON LOCATION
	16:00 - 16:15	0.25	CM	6	80CMPL	RU BLUE JET PERFORATING EQUIPMENT
	16:15 - 16:30	0.25	CM	8	80CMPL	TEST LUBRICATOR TO WELLBORE PRESSURE OF 450# = GOOD
						TEST
	16:30 - 18:00	1.50	CM	q	80CMPL	RIH & PERFORATED 5 1/2" LINER W / 3 1/8" CSG GUN'S, 0.75" DIA
						HOLE'S, 4 SPF, 90 DEGREE PHASING, 60 FT & 240 HOLE'S AS
						FOLLOWS
						3632'-34' = 2 FT = 8 HOLE'S
						3623'-28' = 5 FT = 20 HOLE'S
						3615'-17' = 2 FT = 8 HOLE'S
						3597'-3602' = 5 FT = 20 HOLE'S
						3543'-45' = 2 FT = 8 HOLE'S
						3537'-39' = 2 FT = 8 HOLE'S
						3533'-35' = 2 FT = 8 HOLE'S
						3529'-31' = 2 FT = 8 HOLE'S
						3524'-28' = 4 FT = 16 HOLE'S
						3518'-22' = 4 FT = 16 HOLE'S
						3452'-56' = 4 FT = 16 HOLE'S
						3446'-50' = 4 FT = 16 HOLE'S
						3438'-44' = 6 FT = 24 HOLE'S
						3432'-34' = 2 FT = 8 HOLE'S
						3425'-27' = 2 FT = 8 HOLE'S
						3346'-50' = 4 FT = 16 HOLE'S
						3342'-44' = 2 FT = 8 HOLE'S
						3335'-37' = 2 FT = 8 HOLE'S
						3321'-23' = 2 FT = 8 HOLE'S
						3316'-18' = 2 FT = 8 HOLE'S
						TOTAL OF 60 FT & 240 HOLE'S
	18:00 - 18:30	0.50	CM	6	80CMPL	RD BLUE JET PERFORATING EQUIPMENT
	18:30 - 19:00	0.50	CM	1	80CMPL	SECURED WELL & LOCATION = S.D.O.N.

Operations Summary Report

Legal Well Name: SAN JUAN 32-8 UNIT FRUITLA 000231A
 Common Well Name: SAN JUAN 32-8 FRUITLAND #231A UNIT
 Event Name: Original Completion Start: 06/19/2003 End: 07/15/2003
 Contractor Name: KEY FOUR CORNERS Rig Release: 07/14/2003 Group:
 Rig Name: KEY ENERGY Rig Number: 18

Date	From - To	Hours	Code	Subco	Phase	Description of Operations
07/14/2003	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 3/8" RAM'S & EQUIPMENT
	08:30 - 09:00	0.50	CM	g	80CMPL	BLOW DOWN WELL HAD 540# ON CSG
	09:00 - 09:30	0.50	CM	8	80CMPL	TEST 2 3/8" RAM'S = 200# 3 MIN'S & 1800# 10 MIN'S = GOOD TEST
	09:30 - 11:30	2.00	CM	2	80CMPL	GIH PU BHA & 2 3/8" PRODUCTION TUBING TAG FILL IN LINER @ 3683'.65" = PBTD @ 3686'
	11:30 - 11:45	0.25	CM	1	80CMPL	LAND HANGER W / BP PLUG IN FN & BPV IN HANGER = 2 3/8" PRODUCTION TUBING SET AS FOLLOW'S
						2 3/8" ORANGED PEELED BOTTOM JT TUBING SET @ 3679'.13"
						2 3/8" 4 FT PERF SUB SET @ 3650'.13"
						2 3/8" FN W / 1.78 PROFILE SET @ 3646'.13"
						2 3/8" 115 JT'S TUBING SET @ 3645'.28"
						2 3/8" SUB'S UNDER TOP JT OF TUBING 1-10', 1-8', 1-4'
						2 3/8" TOP JT TUBING
						TOTAL OF 116 JT'S OF 2 3/8" J-55 4.7# TUBING IN WELL PLUS BHA = TOTAL OF 117 JT'S COUNTING 2 3/8" MUD ANCHOR
	11:45 - 12:45	1.00	CM	e	80CMPL	ND BOP'S & NU B-1 ADAPTER & VALVE
	12:45 - 13:00	0.25	CM	c	80CMPL	SAFETY MEETING W / ALL PERSONNEL ON LOCATION
	13:00 - 13:15	0.25	CM	9	80CMPL	TEST 2 3/8" TUBING TO 1000# FOR 15 MIN'S = GOOD TEST
	13:15 - 13:30	0.25	CM	6	80CMPL	RU B&R WIRELINE EQUIPMENT
	13:30 - 14:00	0.50	CM	k	80CMPL	PULLING BP PLUG OUT OF FN @ 3645'
	14:00 - 14:15	0.25	CM	6	80CMPL	RD B&R WIRELINE EQUIPMENT
	14:15 - 15:00	0.75	CM	6	80CMPL	RU 3/4" ROD EQUIPMENT & SPOTTING ROD FLOAT
	15:00 - 15:15	0.25	CM	c	80CMPL	SAFETY MEETING W / ALL PERSONNEL ON LOCATION
	15:15 - 17:15	2.00	CM	i	80CMPL	GIH PU H.F. ROD PUMP TOP HOLD DOWN 2" X 1 1/4" X 8" X 8'3" X 12'3" RHAC-Z = PUMP NO CPO14 = 4'-3/4" PONY ON TOP OF PUMP = 145-3/4" PLAIN ROD'S = 1 1/4" POLISH ROD 22'
	17:15 - 18:00	0.75	CM	n	80CMPL	SPACE OUT & HANG OFF POLISH ROD
	18:00 - 18:30	0.50	CM	1	80CMPL	SECURED WELL & LOCATION = S.D.O.N.
07/15/2003	07:00 - 07:30	0.50	CM	c	80CMPL	SAFETY MEETING W / ALL PERSONNEL ON LOCATION
	07:30 - 08:00	0.50	CM	g	80CMPL	BLOW DOWN WELL = HAD 510# ON CSG
	08:00 - 09:00	1.00	CM	9	80CMPL	LOAD & TEST TUBING TO 500# FOR 15 MIN'S = GOOD TEST = BLED OFF PRESSURE = STROKED PUMP W / RIG BLOCK'S & PUMPED UP TO 500# = HELD 15 MIN'S = GOOD TEST & PUMP ACTION
	09:00 - 14:30	5.50	MV	6	70DMOB	RD RIG & EQUIPMENT
	14:30 - 15:00	0.50	MV	1	70DMOB	SECURED WELL & LOCATION = RELEASED RIG & EQUIPMENT
						ON 07/14/2003 @ 15:00 PM = JOB COMPLETE - DROP FROM REPORT = RELEASED WELL TO PRODUCTION DEPT.

Well Name: San Juan 32-8 # 231AAPI #: 30-045-31628Spud: 7-Jun-03TD 8-3/4" Hole: 10-Jun-03Release Dril Rig: 11-Jun-03Move in Cav. Rig: 19-Jun-03TD 6-1/4" Hole: 21-Jun-03Release Cav. Rig: 14-Jul-03

Note - this well is equipped with rods & 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

Surface CasingDate set: 8-Jun-03Size 9 5/8 inSet at 219 ft # Jnts: 7Wt. 32.3 ppf Grade H-40Hole Size 12 1/4 inWash Out 100 %Est. T.O.C. SURFACECsg Shoe 219 ftTD of 12-1/4" hole 229 ftNotified BLM @ 18:15 hrson 06-Jun-03Notified NMOCD @ 18:15 hrson 06-Jun-03**Intermediate Casing**Date set: 11-Jun-03Size 7 in 79 jtsSet at 3278 ft pupsWt. 20 ppf Grade J-55Hole Size 8 3/4 inWash Out 150 %Est. T.O.C. SURFACECsg Shoe 3278 ftTD of 8-3/4" Hole 3280 ftNotified BLM @ 15:52 hrs on 09-Jun-03Notified NMOCD @ 15:52 hrs on 09-Jun-03**Production Liner**Date set: 12-Jul-03Size 5 1/2 in Connections: LTCBlank Wt. 15.5 ppfGrade J-55# Jnts: 10Hole Size 6 1/4 inBtm of Liner 3688 ftTop of Liner 3230 ftPBTD / Top of Bit Sub 3686Bottom of Liner / Bottom of 6-1/4" Bit: 3688TD 3,689 ft**Surface Cement**Date cmt'd: 8-Jun-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: 15.5 bbls fresh wtrBumped Plug at: 06:00 w/ 300 psiFinal Circ Press: 60psi @ 0.5 bpmReturns during job: YESCMT Returns to surface: 12 bblsFloats Held: No floats usedW.O.C. for 5.5 hrs (plug bump to drlg cmt)**Intermediate Cement**Date cmt'd: 11-Jun-03Lead : 415 sx Class G Cement+ 3% D079 Extender+ 0.25 lb/sx D029 Cellophane Flakes+ 0.2% D046 Antifoam+ 0.05 gal/sx D047 Antifoam2.61cuft/sx, 1083 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: 131 bbls Fresh WtrBumped Plug at: 01:30 hrs w/ 1300 psiFinal Circ Press: 700 psi @ 2 bpmReturns during job: YESCMT Returns to surface: 31 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 with 160 psi and WOC 2.5 hrs before backing out landing jt.

Intermediate:

Production: 6 1/4" BIT, BIT SUB & FLOAT RUN ON BOTTOM JOINT OF LINERPerforated 5-1/2" liner. Ran 2-3/8", 4.7#, J-55 EUE 8rd, tubing (EOT at 3679' RKB). Ran pump and rods.**CENTRALIZERS:**Surface: CENTRALIZERS @ 209', 160', 131', & 43.Total: 4Intermediate: CENTRALIZERS @ 3268', 3193', 3110', 3028', 2946', 2863', & 200'Total: 7TURBOLIZERS @ 2344', 2230', 2262'Total: 3