

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator
CONOCOPHILLIPS CO.

3a. Address
P.O. BOX 2197 WL3 4061 HOUSTON TX 77252

3b. Phone No. (include area code)
(832)486-2326

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
NWNE, SEC. 7 T31N R7W
960' FNL & 1855' FEL

5. Lease Serial No.
NMSF 078996

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.
SAN JUAN 32-7 UNIT # 218A

9. API Well No.
30-045-31318

10. Field and Pool, or Exploratory Area
BASIN FRUITLAND COAL

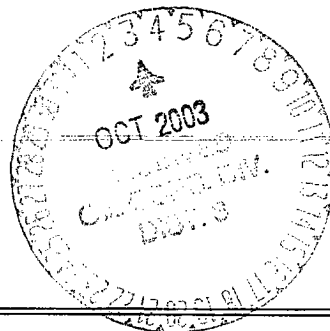
11. County or Parish, State
SAN JUAN
NEW MEXICO

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/ Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <u>CAVITATE</u>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	<u>SET LINER</u>
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

ConocoPhillips cavitated this well and set the liner as per the attached wellbore schematic and daily summaries.



14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

DEBORAH MARBERRY

Title

REGULATORY ANALYST

Signature

Date

09/22/2003

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

ACCEPTED FOR RECORD

Approved by

Title

Date

OCT 01 2003

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

FARMINGTON FIELD OFFICE
BY JL

Title 18 U.S.C. Section 1001, makes 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.

(Instructions on reverse)

NMOCB

END OF WELL SCHEMATICWell Name: San Juan 32-7 # 218AAPI #: 30-045-31318Location: 960 FNL & 1855 FEL

Sect 07 - T31N - R7W

Elevation: 6652'Drl Rig RKB: 13' above Ground LevelDatum: Drl Rig RKB = 13' above GLSpud: 2-Apr-03Release Drl Rig: 8-Apr-03Initial Completion: 3-Jun-03Recompletion: 1-Sep-03

Surface Casing Date set: 3-Apr-03

Size 9 5/8 in

Set at 230 ft # Jnts: 5

Wt. 32.3 ppf Grade H-40

Hole Size 13 3/4 in

Wash Out 75 %

Est. T.O.C. SURFACE

Csg Shoe 230 ft

TD of 12-1/4" hole 240 ft

Notified BLM @ 15:50 hrs on 01-Apr-03

Notified NMOCD @ 15:52 hrs on 01-Apr-03

Intermediate Casing Date set: 7-Apr-03

Size 7 in 77 jts

Set at 3194 ft 2 pups

Wt. 20 ppf Grade J-55

Hole Size 8 3/4 in

Wash Out 150 %

Est. T.O.C. SURFACE

Csg Shoe 3194 ft

TD of 8-3/4" Hole 3198 ft

Notified BLM @ 22:34 hrs on 06-Apr-03

Notified NMOCD @ 22:37 hrs on 06-Apr-03

Production Liner Date set: 7-Aug-03

Size 5 1/2 in

Blank Wt. 15.5 ppf

Grade J-55 Connections: LTC & STL

Jnts: 11

Hole Size 6.25" underreamed to 9.5" on initial completion

Btm of Liner 3598 ft

Top of Liner 3145 ft

PBTD / Top of Bit Sub 3596

Bottom of Liner / Bottom of 6-1/4" Bit: 3598

TD 3600 ft

☒ New

☐ Used

☒ New

☐ Used

☒ New

☐ Used

Trash Cap

7-1/16" 3M x 2-9/16" 5M Adapter Flange

11" 3M x 7 1/16" 3M Tubing Head

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

Surface Cement

Date cmt'd: 3-Apr-03

Lead : 200 sx Class G Cement

+ 2% S001 Calcium Chloride

+ 0.25 lb/sx D029 Cellophane Flakes

1.16 cuft/sx, 232 cuft slurry at 15.8 ppg

Displacement: 15.0 bbls fresh wtr

Bumped Plug at: 14:50 hrs w/ 365 psi

Final Circ Press: 60 psi @ 0.5 bpm

Returns during job: YES

CMT Returns to surface: 14 bbls

Floats Held: No floats used

W.O.C. for 5.5 hrs (plug bump to test casing)

Intermediate Cement

Date cmt'd: 7-Apr-03

Lead : 400 sx Class G Cement

+ 3% D079 Extender

+ 0.25 lb/sx D029 Cellophane Flakes

+ 0.2% D046 Antifoam

+ 0.05 gal/sx D047 Antifoam

2.61cuft/sx, 1044 cuft slurry at 11.7 ppg

Tail : 105 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

+ 0.1% D046 Antifoam

1.27 cuft/sx, 133.35 cuft slurry at 13.5 ppg

Displacement: 127.6 bbls Fresh Wtr

Bumped Plug at: 20:41 hrs w/ 2000 psi

Final Circ Press: 700 psi @ 2 bpm

Returns during job: YES

CMT Returns to surface: 37 bbls

Floats Held: X Yes ___ No

UNCEMENTED LINER**COMMENTS:**

Surface: 9-5/8" csg stood up at 160' on 1st attempt to run csg. Had to LD the csg & open the hole with 13.75" bit - then ran csg ok.

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: 6.25" bit & bit sub and float run on bottom of liner - and ran a hydraulic liner hanger.

Perforated 5-1/2" liner. Ran 2-7/8", 6.5#, J-55 EUE 8rd, tubing (EOT at 3536' RKB) - Flowing gas well configuration.

CENTRALIZERS:Surface: CENTRALIZERS @ 220', 144', 101' & 57'.Total: 4

Intermediate: CENTRALIZERS @ 3184', 3109', 3026', 2943', 2861', 2778', & 201'.

TURBOLIZERS @ 2506', 2465', 2424'

Total: 7Total: 3

Operations Summary Report

Legal Well Name: SAN JUAN 32-7 UNIT FRUITLA 000218A

Common Well Name: SAN JUAN 32-7 FRUITLAND #218A UNIT

Spud Date: 04/02/2003

Event Name: Original Completion

Start: 05/23/2003

End: 06/03/2003

Contractor Name: KEY FOUR CORNERS

Rig Release: 06/03/2003

Group:

Rig Name: KEY ENERGY

Rig Number: 22

Date	From - To	Hours	Code	Subco	Phase	Description of Operations
06/03/2003	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	SICP 450 PSIG & SIDPP-0- PSIG-BLEED WELL DOWN TO PIT.
	08:00 - 08:30	0.50	CM	4	80CMPL	GIH FROM 7" CSG F/3193' -T/3552'KB ~ 48' FILL.
	08:30 - 10:30	2.00	CM	1	80CMPL	BREAK CIRCULATION W/ AIR MIST & CO 48' FILL (1" DOWN TO FACE POWDER TYPE COAL, SHALE, SILTSTONE) F/3552 - T/3600'KB, PBTD-UNLOADED A SLUG OF WATER WHILE CLEANING OUT.
	10:30 - 10:45	0.25	CM	5	80CMPL	CIRC & DRY UP WELLBORE W / AIR ASSIST PRIOR TO FLOW TEST.
	10:45 - 11:15	0.50	CM	4	80CMPL	PUH INSIDE 7" CSG T/3193'KB-LAYING DOWN JT'S OF DP W / POWER SWIVEL.
	11:15 - 12:15	1.00	CM	u	80CMPL	FLOW TEST THRU 2"
						TIME CHOKES MANIFOLD #S PITOT #S MSCFD / CONSISTENCY
						15MIN 21.0 4.5 1304 / DRY
						30MIN 21.0 4.5 1304 / DRY
06/04/2003						45MIN 21.0 4.5 1304 / DRY
						60MIN 21.0 4.5 1304 / DRY
	12:15 - 13:45	1.50	CM	t	80CMPL	RECORD ISIP @ 50 PSIG.
						RECORD 1-HR SIPBU
						15MIN 30MIN 45MIN 60MIN
						240 370 420 460
	13:45 - 17:30	3.75	CM	4	80CMPL	BLEED WELL SLOWLY DOWN TO PIT.
						COOH W / DP, DC'S & BHA-
						WELL PRODUCING: FLOWING OUT BLOOE LINE F/ ~ 3/4 -T/ 1 BBL / HR OF WATER DURING TRIP OUT.
	17:30 - 18:30	1.00	WC	6	80CMPL	RIG UP TO RUN 2-3/8" TBG-X-O PIPE RAMS.
08/12/2003	18:30 - 19:00	0.50	CM	z	80CMPL	SECURED WELL & LOCATION = S.D.O.N.
	07:00 - 07:30	0.50	CM	c	80CMPL	SAFETY MEETING W / ALL PERSONNEL ON LOCATION
	07:30 - 08:15	0.75	CM	8	80CMPL	TEST 2 3/8" RAM'S = 200# 3 MIN'S & 1800# 10 MIN'S = GOOD TEST
	08:15 - 08:45	0.50	CM	2	80CMPL	PU & MU BHA
	08:45 - 11:15	2.50	CM	2	80CMPL	GIH PU 2 3/8" FL4S BHA & 2 3/8" EUE 8RD TUBING
	11:15 - 11:45	0.50	CM	1	80CMPL	LAND HANGER W / TUBING SET AS FOLLOW'S
						FL4S 2 3/8" EXP CHECK SET @ 3324'.37"
						FL4S 2 3/8" JT OF TUBING SET @ 3323'.59"
						FL4S 2 3/8" FN W / 1.780 PROFILE SET @ 3293'.59"
						FL4S 2 3/8" 4 JT'S OF TUBING SET @ 3292'.70"
08/12/2003						FL4S X EUE 8RD 2 3/8" J-55 4.7# X-OVER SET @ 3172'.53"
						101 JT'S 2 3/8" EUE 8RD J-55 4.7# TUBING SET @ 3172'.00" TO HANGER @ SURFACE = TOTAL OF 101 JT'S OF 2 3/8" EUE 8RD TUBING & 5 JT'S OF 2 3/8" FL4S TUBING IN WELL PLUS 2 3/8" FN & CHECK BOTH FL4S IN WELL
	11:45 - 14:30	2.75	CM	e	80CMPL	ND BOP'S & NU WELLHEAD = TEST WELLHEAD SEAL TO 300# = GOOD TEST
	14:30 - 15:30	1.00	CM	5	80CMPL	PUMP-OFF EXP CHECK & FLOW BACK WELL TO PURGE AIR OUT OF WELLBORE
	15:30 - 18:30	3.00	MV	6	70DMOB	RD & RELEASED RIG & EQUIPMENT ON 06/03/2003 @ 18:30 PM = JOB COMPLETE RELEASED WELL TO PRODUCTION DEPT TO PRODUCE FRUITLAND COAL OPENED HOLED W / TUBING
	18:30 - 19:00	0.50	MV	1	70DMOB	SECURED WELL & LOCATION = S.D.O.N.
	14:00 - 17:00	3.00	MV	1	00MMIR	SAFETY MEETING-PRIOR TO STARTING OPERATIONS.
						LOCK OUT / TAG OUT 08/11/2003 10:00-
						MI KEY 22 & SPOT AUXILIARY EQUIPMENT KEY.

Operations Summary Report

Legal Well Name: SAN JUAN 32-7 UNIT FRUITLA 000218A

Common Well Name: SAN JUAN 32-7 FRUITLAND #218A UNIT

Spud Date: 04/02/2003

Event Name: Original Completion

Start: 05/23/2003

End: 06/03/2003

Contractor Name: KEY FOUR CORNERS

Rig Release: 06/03/2003

Group:

Rig Name: KEY ENERGY

Rig Number: 22

Date	From - To	Hours	Code	Subco	Phase	Description of Operations
08/12/2003	17:00 - 17:45	0.75	WC	z	80CMPL	SITP 435 PSIG-HOT WORK PERMIT-RU WOOD GROUP LUBRICATOR-PT LUBRICATOR T/435 PSIG (OK)- SET 2-3/8" TWO WAY BPV IN TBG HGR.
	17:45 - 18:30	0.75	WC	e	80CMPL	ND UPPER 2-1/16" TREE & NU BOPE
	18:30 - 19:00	0.50	CM	z	80CMPL	SDON.
08/13/2003	07:15 - 07:30	0.25	CM	c	80CMPL	SAFETY MEETING-PRIOR TO STARTING OPERATIONS. SITP 435 PSIG & SICP 430 PSIG.
	07:30 - 15:30	8.00	CM	6	80CMPL	RIG UP KEY 22 COMPLETION RIG W/ AUXILIARY EQUIPMENT.
	15:30 - 16:30	1.00	CM	z	80CMPL	PERFORM RIG INSPECTION.
	16:30 - 18:15	1.75	WC	8	80CMPL	PT LINES, RIG'S AIR -WATER MANIFOLD, KILL LINE, EQUALING LINE, KILL SPOOL, BLIND RAMS, TBG HEAD CONTAINING TBG HGR W/ BPV & CHOKE MANIFOLD T/700 PSIG-3MIN & 1900 PSIG-10 MIN (OK)-
						PU & STAB JOINT OF 2-3/8" TBG IN TBG HGR-
						PT #2 PIPE RAMS T/250 PSIG -3MIN & 1800 PSIG-10 MIN (OK)-
						PT #1 PIPE RAMS, HCR VALVES T/250 PSIG-3MIN & 1800 PSIG-10 MIN (OK)-
	18:15 - 19:00	0.75	WC	2	80CMPL	EQUALIZE & STRIP OUT TBG HGR W/ BPV-RU WOOD GROUP LUBRICATOR-PT LUBRICATOR T/435 PSIG (OK)- PULL 2-3/8" TWO WAY BPV IN TBG HGR-OPEN UP & BLEED WELL TO PIT THRU 2" CHOKE MANIFOLD-KILL TBG W/ 10 BBLs PRODUCED KfC
						WATER-LAY DOWN LUBRICATOR-PULL TBG HGR-STAB TIW VALVE & SECURE WELL.
	19:00 - 19:30	0.50	CM	z	80CMPL	SDON.
08/14/2003	07:15 - 07:30	0.25	CM	c	80CMPL	SAFETY MEETING-PRIOR TO STARTING OPERATIONS. SICP 430 PSIG.
	07:30 - 13:00	5.50	CM	4	80CMPL	COOH W/ 101 JTS 2-3/8" EUE 8RD TBG (3151'), W/ X-O SUB 2-3/8"EUE 8RD X 2-3/8" FL4S (0.6'), LAYDOWN A TOTAL OF 5 JTS 2-3/8" FL4S (150') W/ FN & EXP CHK ON EOT-TBG LANDED @ 3324'KB.
						MU 6-1/4" STR-09 RR BIT (SN: K86CP) JETTED W/ 3-20'S & GIH W/ BIT SUB BORED, TAPPED, & CONTAINING A FLOAT VALVE, W/ 12-(3-1/2" DC'S) W/ 2-3/8" IF X 2-7/8" AOH X-O SUB-TBHA 372.26'-
	13:00 - 14:00	1.00	CM	z	80CMPL	SLIP & TALLY 2-7/8" AOH DRILLPIPE.
	14:00 - 16:00	2.00	CM	8	80CMPL	PU & GIH W/ 2-7/8" DP W/ BHA T/2275'KB.
	16:00 - 16:30	0.50	WC	2	80CMPL	MU 2-7/8" AOH X 2-7/8" EUE 8RD X-O SUB W/ 2-7/8" EUE PUP JT W/ 2-7/8" EUE X 7-1/16" TEST PLUG & LAND / LOCK DOWN TEST PLUG IN TBG HEAD.
	16:30 - 18:00	1.50	WO	w	80CMPL	SD AND ALLOW STORM TO PASS OVER.
	18:00 - 19:00	1.00	WC	8	80CMPL	PT #2 PIPE RAMS / CHOKE MANIFOLD T/500 PSIG-3MIN & 1800 PSIG -10 MIN (OK)-
						PT #1 PIPE RAMS & HCR VALVES T/300 PSIG -3MIN & 1800 PSIG-10MIN (OK)-
						PT AIR LINES IN STAGES F/300-500-1000-1350 PSIG (OK).
	19:00 - 19:30	0.50	WC	2	80CMPL	EQUALIZE, STRIP OUT, & LAYDOWN TEST PLUG.
	19:30 - 21:30	2.00	CM	4	80CMPL	PU 2-7/8" DP & GIH W/ BHA F/2275-T/3178'KB, 7" SHOE @ 3194'KB.
	21:30 - 22:30	1.00	CM	6	80CMPL	RIG UP POWER SWIVEL.
	22:30 - 23:45	1.25	WO	w	80CMPL	SD AND ALLOW STORM TO PASS OVER.
	23:45 - 00:30	0.75	CM	4	80CMPL	GIH W/ 6-1/4" DRLG ASSEMBLY F/3178' & TAG BRIDGE @ 3370'KB.
	00:30 - 06:00	5.50	CM	1	80CMPL	R&R F/3367-T/3397-W/ 2.2 MMSCFD AIR & 10-12 BPH MIST (CONTAINING 1-GAL / 10 BBL FOAMER W/ 1/4 GAL INHIBITOR) @ 500 PSIG-
						RETURNS: 4 DOWN TO 2 BUCKETS / HR OFF MUD LOGGER

Operations Summary Report

Legal Well Name: SAN JUAN 32-7 UNIT FRUITLA 000218A

Common Well Name: SAN JUAN 32-7 FRUITLAND #218A UNIT

Spud Date: 04/02/2003

Event Name: Original Completion

Start: 05/23/2003

End: 06/03/2003

Contractor Name: KEY FOUR CORNERS

Rig Release: 06/03/2003

Group:

Rig Name: KEY ENERGY

Rig Number: 22

Date	From - To	Hours	Code	Subco	Phase	Description of Operations
08/14/2003	00:30 - 06:00	5.50	CM	1	80CMPL	SAMPLER VALVE OF 1/4" DOWN TO FACE POWDER TYPE COAL (98% COAL & ~ 2% SHALE).
08/15/2003	06:00 - 10:30	4.50	CM	1	80CMPL	SAFETY MEETING-PRIOR TO STARTING OPERATIONS. R&R F/3367-T/3544'KB, R&R PBTD W/ 2.2 MMSCFD AIR & 10-12 BPH MIST (CONTAINING 1-GAL / 10 BBL FOAMER W/ 1/4 GAL INHIBITOR) @ 500 PSIG- RETURNS: 2 DOWN TO 1/2 BUCKET / HR OFF MUD LOGGER SAMPLER VALVE OF FACE POWDER TYPE COAL (98% COAL & ~ 2% SHALE).
	10:30 - 11:30	1.00	CM	5	80CMPL	DRY UP PRIOR TO INITIAL FLOW TEST- ~ 5-10 BWP.
	11:30 - 12:00	0.50	CM	4	80CMPL	PULL UP INTO 7" @ 3178'KB.
	12:00 - 13:00	1.00	CM	u	80CMPL	FLOW TEST THRU 2" TIME CHOKE MANIFOLD #S PITOT #S MSCFD / CONSISTENCY 15 MIN'S 8.0 2.0 869 / DRY 30 MIN'S 8.0 2.0 869 / DRY 45 MIN'S 8.0 2.0 869 / DRY 60 MIN'S 8.0 2.0 869 / DRY ISIP-20 PSIG.
	13:00 - 19:00	6.00	CM	t	80CMPL	1-HR SHUT IN PRESSURE BUILD UP AND 2HR BUILDUPS FOR NATURAL SURGE. 15MIN 30MIN 45MIN 1HR 2HR RETURNS: PER HOUR SURGE # 1 230# 315# 395# 420# 440# 1/8 BUCKET OF FINE COAL SURGE #2 230# 315# 395# 400# 470# 1/4 BUCKET OF FINE COAL BLOW AROUND TO PIT WITH AIR MIST-ALLOW WELL TO VENT TO ATMOSPHERE PRIOR TO SIPBU.
	19:00 - 02:30	7.50	CM	1	80CMPL	PERFORM AIR ASSIST SURGES W/ 5 BBL WATER PADS T/1000 PSIG- SURGE #3 RETURNS: 1/4 BUCKET / HR OF VERY FINE COAL TO 1/2" CHUNKS
						SURGE #4 RETURNS: 1/4 BUCKET / HR OF VERY FINE UP COAL. TO 1/2" CHUNKS SURGE #5 RETURNS: 1/4 BUCKET / HR OF VERY FINE & CHUNKS OF COAL.
	02:30 - 03:00	0.50	CM	4	80CMPL	GIH W/ 6-1/4" ASSEMBLY F/ 3178 & TAG @ 3419'KB.
	03:00 - 06:00	3.00	CM	1	80CMPL	R&R F/3419-T/3450'KB W/ 2.2 MMSCFD AIR & 10-12 BPH MIST (CONTAINING 1-GAL / 10 BBL FOAMER W/ 1/4 GAL INHIBITOR) @ 500 PSIG- RETURNS: 2 DOWN TO 1/2 BUCKET / HR OFF MUD LOGGER SAMPLER VALVE OF FACE POWDER TYPE COAL (98% COAL & ~ 2% SHALE).
08/16/2003	06:00 - 06:00	24.00	CM	1	80CMPL	SAFETY MEETING-PRIOR TO STARTING OPERATIONS. R&R F/3450-T/3544'KB, R&R PBTD W/ 2.2 MMSCFD AIR & 10-12 BPH MIST (CONTAINING 1-GAL / 10 BBL FOAMER W/ 1/4 GAL INHIBITOR) @ 500 PSIG- RETURNS: 3 DOWN TO 1-1/2 BUCKET(S) / HR OFF MUD LOGGER SAMPLER VALVE OF 1/2" CHUNKS DOWN TO FACE POWDER TYPE COAL (80-90% COAL & ~ 10-20% SHALE).
08/17/2003	06:00 - 08:00	2.00	CM	1	80CMPL	SAFETY MEETING-PRIOR TO STARTING OPERATIONS.

Operations Summary Report

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Contractor Name: KEY FOUR CORNERS

Rig Release: 06/03/2003

Group:

Rig Name: KEY ENERGY

Rig Number: 22

Date	From - To	Hours	Code	Subco	Phase	Description of Operations
08/17/2003	06:00 - 08:00	2.00	CM	1	80CMPL	R&R F/3521-T/3544'KB, R&R PBTD W/ 2.2 MMSCFD AIR & 10-12 BPH MIST (CONTAINING 1-GAL / 10 BBL FOAMER W/ 1/4 GAL INHIBITOR) @ 500 PSIG- RETURNS: 1-1/2 DOWN TO 1/2 BUCKET / HR OFF MUD LOGGER SAMPLER VALVE OF 1/2" CHUNKS DOWN TO FACE POWDER TYPE COAL (80% COAL & ~ 20% SHALE). DRY UP PRIOR TO INITIAL FLOW TEST- ~ 17 BWPD.
	08:00 - 08:45	0.75	CM	5	80CMPL	PULL UP INTO 7" @ 3178'KB.
	08:45 - 09:30	0.75	CM	4	80CMPL	FLOW TEST THRU 2"
	09:30 - 10:30	1.00	CM	u	80CMPL	TIME CHOKES MANIFOLD #S PITOT #S MSCFD / CONSISTENCY
						15 MIN'S 9.0 2.25 900 / DRY
						30 MIN'S 8.0 2.0 869 / DRY
						45 MIN'S 8.0 2.0 869 / DRY
						60 MIN'S 8.0 2.0 869 / DRY
						ISIP-20 PSIG.
	10:30 - 15:00	4.50	CM	t	80CMPL	1-HR SHUT IN PRESSURE BUILD UP AND 2HR BUILDUPS FOR NATURAL SURGE.
08/18/2003						15MIN 30MIN 45MIN 1HR 2HR RETURNS:
						PER HOUR
						SURGE #6 160# 280# 370# 410# 450# 1/4 BUCKET OF
						FINE COAL UP T/1/4" CHIPS.
	15:00 - 03:00	12.00	CM	1	80CMPL	PERFORM AIR ASSIST SURGES W/ 5 BBL WATER PADS T/1100 PSIG-
						SURGE #7 RETURNS: 1 BUCKET / HR OF VERY FINE COAL TO
						1/4" CHUNKS
						SURGE #8 RETURNS: 2 BUCKET(S) / HR OF VERY FINE UP
						COAL TO 3/4" CHUNKS
						SURGE #9 RETURNS: 1 BUCKET / HR OF VERY FINE COAL.
08/19/2003	03:00 - 04:00	1.00	CM	5	80CMPL	UNABLE TO TRIP IN-UNLOAD 7" X 2-7/8" ANNULUS W/ AIR MIST- RETURNS: HEAVY COAL & CLEAN UP.
	04:00 - 04:30	0.50	CM	4	80CMPL	GIH W/ 6-1/4" ASSEMBLY F/ 3178 & TAG @ 3322'KB.
	04:30 - 06:00	1.50	CM	1	80CMPL	R&R F/3306-T/3337'KB
						W/ 2.2 MMSCFD AIR & 10-12 BPH MIST (CONTAINING 1-GAL / 10
						BBL FOAMER W/ 1/4 GAL INHIBITOR) @ 500 PSIG-
						RETURNS: 3 BUCKET (S) / HR OFF MUD LOGGER SAMPLER VALVE
						OF 1/4" CHIPS DOWN TO FACE POWDER TYPE COAL & SHALE.
						SAFETY MEETING-PRIOR TO STARTING OPERATIONS.
						R&R F/3306-T/3336'KB, R&R PBTD
						W/ 2.2 MMSCFD AIR & 10-12 BPH MIST (CONTAINING 1-GAL / 10
08/19/2003						BBL FOAMER W/ 1/4 GAL INHIBITOR) @ 500 PSIG-
						RETURNS: 3 DOWN TO 2 BUCKET(S) / HR OFF MUD LOGGER
						SAMPLER VALVE OF OCCASIONAL 1/4" CHIPS DOWN TO FACE
						POWDER TYPE COAL (95% COAL & ~ 5% SHALE).
						SAFETY MEETING-PRIOR TO STARTING OPERATIONS.
						R&R F/3306-T/3336'KB, R&R PBTD
						W/ 2.2 MMSCFD AIR & 10-12 BPH MIST (CONTAINING 1-GAL / 10
						BBL FOAMER W/ 1/4 GAL INHIBITOR) @ 500 PSIG-
						RETURNS: 2 DOWN TO 3/4 OF A BUCKET / HR OFF MUD LOGGER
						SAMPLER VALVE OF OCCASIONAL 1/4" CHIPS DOWN TO FACE
08/19/2003						POWDER TYPE COAL (95-98% COAL & ~ 5-2% SHALE).
						R&R F/3336-T/3367'KB, R&R PBTD
	11:00 - 23:00	12.00	CM	1	80CMPL	

Operations Summary Report

Legal Well Name: SAN JUAN 32-7 UNIT FRUITLA 000218A

Common Well Name: SAN JUAN 32-7 FRUITLAND #218A UNIT

Spud Date: 04/02/2003

Event Name: Original Completion

Start: 05/23/2003

End: 06/03/2003

Contractor Name: KEY FOUR CORNERS

Rig Release: 06/03/2003

Group:

Rig Name: KEY ENERGY

Rig Number: 22

Date	From - To	Hours	Code	Subco	Phase	Description of Operations
08/19/2003	11:00 - 23:00	12.00	CM	1	80CMPL	W/ 2.2 MMSCFD AIR & 10-12 BPH MIST (CONTAINING 1-GAL / 10 BBL FOAMER W/ 1/4 GAL INHIBITOR) @ 600-500 PSIG- RETURNS: 1-1/2 DOWN TO 3/4 OF A BUCKET / HR OFF MUD LOGGER SAMPLER VALVE OF FACE POWDER TYPE COAL (98% COAL & ~ 2% SHALE).
	23:00 - 23:30	0.50	CM	4	80CMPL	GIH W/ 6-1/4" BHA F/3367' & TAG @ 3520'KB.
	23:30 - 06:00	6.50	CM	1	80CMPL	R&R F/3491-T/3523'KB, R&R PBTD W/ 2.2 MMSCFD AIR & 10-12 BPH MIST (CONTAINING 1-GAL / 10 BBL FOAMER W/ 1/4 GAL INHIBITOR) @ 500 PSIG- RETURNS: 2 DOWN TO 1-1/4 BUCKET(S) / HR OFF MUD LOGGER SAMPLER VALVE OF FACE POWDER TYPE COAL (98% COAL & ~ 2% SHALE).
08/20/2003	06:00 - 18:15	12.25	CM	1	80CMPL	SAFETY MEETING-PRIOR TO STARTING OPERATIONS. R&R F/3491-T/3544'KB, R&R PBTD W/ 2.2 MMSCFD AIR & 10-12 BPH MIST (CONTAINING 1-GAL / 10 BBL FOAMER W/ 1/4 GAL INHIBITOR) @ 500 PSIG- RETURNS: 1-1/4 DOWN TO 1/2 OF A BUCKET / HR OFF MUD LOGGER SAMPLER VALVE OF OCCASIONAL 1/4" CHIPS DOWN TO FACE POWDER TYPE COAL (98-80% COAL & ~ 2-20% SHALE).
	18:15 - 19:15	1.00	CM	5	80CMPL	DRY UP W/ 2.2 MMSCFD AIR ONLY PRIOR TO FLOW TEST ~ 17 BWP.
	19:15 - 20:00	0.75	CM	4	80CMPL	PULL UP INTO 7" @ 3178'KB.
	20:00 - 21:00	1.00	CM	u	80CMPL	FLOW TEST THRU 2"
						TIME CHOKER MANIFOLD #S PITOT #S MSCFD / CONSISTENCY
						15 MIN'S 14.0 3.5 1150 / DRY 30 MIN'S 13.0 3.25 1073 / DRY 45 MIN'S 13.0 3.25 1073 / DRY 60 MIN'S 13.0 3.25 1073 / DRY
08/21/2003	21:00 - 05:30	8.50	CM	t	80CMPL	ISIP-20 PSIG. 1-HR SHUT IN PRESSURE BUILD UP AND 2HR BUILDUPS FOR NATURAL SURGE.
						15MIN 30MIN 45MIN 1HR 2HR RETURNS: PER HOUR
						SURGE # 10 240# 330# 380# 400# 420# HANDFUL OF FACE POWDER TYPE COAL
	05:30 - 06:00	0.50	CM	1	80CMPL	SURGE # 11 220# 320# 380# 400# 430# COUPLE OF HANDFULS OF COAL.
	06:00 - 18:00	12.00	CM	1	80CMPL	PERFORM AIR ASSIST SURGE #12 W/ 5 BBL WATER PADS T/1000 PSIG- SAFETY MEETING-PRIOR TO STARTING OPERATIONS. PERFORM AIR ASSIST SURGES W/ (4) X 5 BBL WATER PADS - SURGE #12 T/1100 PSIG RETURNS: 5-3 BUCKET(S) / HR OF 1/2" CHUNKS DOWN TO FACE POWDER TYPE COAL. SURGE #13 T/1100 PSIG RETURNS: 1+ BUCKET / HR OF FINE COAL. SURGE #14 T/1100 SPIG RETURNS: 1+ BUCKET / HR OF FINE COAL. SURGE #15 T/1100 PSIG RETURNS: 1/2 BUCKET / HR OF FINE COAL.
	18:00 - 18:30	0.50	CM	4	80CMPL	GIH W/ 6-1/4" DRLG ASSEMBLY F/3178' & TAG UP @ 3491'KB.
	18:30 - 06:00	11.50	CM	1	80CMPL	R&R F/3491-T/3544'KB, R&R PBTD W/ 2.2 MMSCFD AIR & 10-12 BPH MIST (CONTAINING 1-GAL / 10

Operations Summary Report

Legal Well Name: SAN JUAN 32-7 UNIT FRUITLA 000218A
 Common Well Name: SAN JUAN 32-7 FRUITLAND #218A UNIT
 Event Name: Original Completion Start: 05/23/2003 End: 06/03/2003
 Contractor Name: KEY FOUR CORNERS Rig Release: 06/03/2003 Group:
 Rig Name: KEY ENERGY Rig Number: 22

Date	From - To	Hours	Code	Subco	Phase	Description of Operations
08/21/2003	18:30 - 06:00	11.50	CM	1	80CMPL	BBL FOAMER W/ 1/4 GAL INHIBITOR) @ 500 PSIG- RETURNS: 2 UP TO 3-1/2 BUCKET(S) / HR OFF MUD LOGGER SAMPLER VALVE W/ 3-BBL / HR FOAM SWEEPS OF 1/4" CHIPS DOWN TO FACE POWDER TYPE COAL (90% COAL & ~ 10% SHALE).
08/22/2003	06:00 - 08:30	2.50	CM	1	80CMPL	SAFETY MEETING-PRIOR TO STARTING OPERATIONS. R&R F/3521-T/3544'KB, R&R PBTD W/ 2.2 MMSCFD AIR & 10-12 BPH MIST (CONTAINING 1-GAL / 10 BBL FOAMER W/ 1/4 GAL INHIBITOR) @ 500 PSIG- RETURNS: 3-1/2 DOWN TO 3/4 OF A BUCKET / HR OFF MUD LOGGER SAMPLER VALVE OF OCCASIONAL 1/4" CHIPS DOWN TO FACE POWDER TYPE COAL (90% COAL & ~ 10% SHALE).
	08:30 - 09:15	0.75	CM	5	80CMPL	DRY UP W/ 2.2 MMSCFD AIR ONLY PRIOR TO FLOW TEST ~ 17 BWPD.
	09:15 - 09:45	0.50	CM	4	80CMPL	PULL UP INTO 7" @ 3178'KB.
	09:45 - 10:45	1.00	CM	u	80CMPL	FLOW TEST THRU 2" TIME CHOKES MANIFOLD #S PITOT #S MSCFD / CONSISTENCY 15 MIN'S 12.5 3.13 1086 / DRY 30 MIN'S 12.5 3.13 1086 / DRY 45 MIN'S 12.0 3.00 1065 / DRY 60 MIN'S 12.0 3.00 1065 / DRY ISIP-26 PSIG.
	10:45 - 17:00	6.25	CM	t	80CMPL	1-HR SHUT IN PRESSURE BUILD UP AND 2HR BUILDUPS FOR NATURAL SURGE. 15MIN 30MIN 45MIN 1HR 2HR RETURNS: PER HOUR SURGE # 16 165# 285# 370# 405# 465# HANDFUL OF FACE POWDER TYPE COAL SURGE # 17 200# 340# 380# 420# 460# HANDFUL OF COAL.
	17:00 - 22:30	5.50	CM	1	80CMPL	PERFORM AIR ASSIST SURGES W/ (4) X 5 BBL WATER PADS - SURGE #18 T/700 PSIG RETURNS: LITE SHALE & FACE POWDER TYPE COAL.
						SURGE #19 T/1100 PSIG RETURNS: 1+ BUCKET / HR HEAVY AMOUNT OF FINE COAL. SURGE #20 T/1100 SPIG RETURNS: 1+ BUCKET / HR HEAVY AMOUNT OF FINE COAL. SURGE #21 T/1100 PSIG RETURNS: 1/2 BUCKET / HR OF FINE COAL.
	22:30 - 23:00	0.50	CM	4	80CMPL	GIH W/ 6-1/4" DRLG ASSEMBLY F/3178' & TAG BRIDGE @ 3326'KB.
	23:00 - 05:30	6.50	CM	1	80CMPL	R&R F/3316-T/3346'KB, R&R PBTD W/ 2.2 MMSCFD AIR & 10-12 BPH MIST (CONTAINING 1-GAL / 10 BBL FOAMER W/ 1/4 GAL INHIBITOR) @ 500 PSIG- RETURNS: HEAVY COAL ~ 5+ BUCKET (S) / HR OFF MUD LOGGER SAMPLER VALVE OF 1/4"+ CHIPS DOWN TO FACE POWDER TYPE COAL (95% COAL & ~ 5% SHALE).
	05:30 - 06:00	0.50	CM	z	80CMPL	HUNG UP @ 3326'-SHUT IN & ALLOW WELL BORE PRESSURE TO EQUALIZE.
08/23/2003	06:00 - 07:30	1.50	CM	z	80CMPL	SAFETY MEETING-PRIOR TO STARTING OPERATIONS. HUNG UP DRILLSTRING @ 3326'KB- SHUT-IN WELLBORE-1HR SICP 450 PSIG- PRESSURE UP ON DRILL STRING T/400 PSIG W/ AIR MIST-

Operations Summary Report

Legal Well Name: SAN JUAN 32-7 UNIT FRUITLA 000218A

Common Well Name: SAN JUAN 32-7 FRUITLAND #218A UNIT

Spud Date: 04/02/2003

Event Name: Original Completion

Start: 05/23/2003

End: 06/03/2003

Contractor Name: KEY FOUR CORNERS

Rig Release: 06/03/2003

Group:

Rig Name: KEY ENERGY

Rig Number: 22

Date	From - To	Hours	Code	Subco	Phase	Description of Operations
08/23/2003	06:00 - 07:30	1.50	CM	z	80CMPL	BLEED DOWN SLOWLY THRU 2" AND WORK DRILL STRING FREE. R&R F/3316-T/3346'KB- TIGHT HOLE F/3326-3336'- W/ 2.2 MMSCFD AIR & 8-10 BPH MIST (CONTAINING 1-GAL / 10 BBL FOAMER W/ 1/4 GAL INHIBITOR) W/ 1/2 GAL POLYMER / 10 BBLs PRODUCED WATER @ 700-650 PSIG- RETURNS: 5+ DOWN TO 1-1/2 BUCKET(S) / HR OFF MUD LOGGER SAMPLER VALVE OF (2"+L X 2"+W X 1"+H) CHUNKS DOWN TO GRIT (FRAC SAND SIZE) TYPE COAL (90-70% COAL & ~ 10-30% CARB SHALE).
	07:30 - 06:00	22.50	CM	1	80CMPL	
08/24/2003	06:00 - 06:00	24.00	CM	1	80CMPL	SAFETY MEETING-PRIOR TO STARTING OPERATIONS. R&R F/3316-T/3428'KB- W/ 2.2 MMSCFD AIR & 8-10 BPH MIST (CONTAINING 1-GAL / 10 BBL FOAMER W/ 1/4 GAL INHIBITOR) @ 650-750-500 PSIG- RETURNS: 1-1/2 UP T/3 & BACK DOWN TO 1-1/2 BUCKET(S) / HR OFF MUD LOGGER SAMPLER VALVE OF GRITTY (FRAC SAND SIZE) TYPE COAL (70-80% COAL & ~ 30-20% CARB SHALE).
08/25/2003	06:00 - 06:00	24.00	CM	1	80CMPL	SAFETY MEETING-PRIOR TO STARTING OPERATIONS. R&R F/3428-T/3544'KB, R&R DEPTH- W/ 2.2 MMSCFD AIR & 8-10 BPH MIST (CONTAINING 1-GAL / 10 BBL FOAMER W/ 1/4 GAL INHIBITOR) @ 500 PSIG- RETURNS: 1-1/2 DOWN TO 3/4 OF A BUCKET / HR OFF MUD LOGGER SAMPLER VALVE OF OCCASIONAL CHUNKS (UP TO 3/4") DOWN TO GRITTY (FRAC SAND SIZE) COAL (70-95% COAL & ~ 30-5% CARB SHALE).
08/26/2003	06:00 - 07:00	1.00	CM	1	80CMPL	SAFETY MEETING-PRIOR TO STARTING OPERATIONS. R&R F/3428-T/3544'KB, R&R DEPTH- W/ 2.2 MMSCFD AIR & 8-10 BPH MIST (CONTAINING 1-GAL / 10 BBL FOAMER W/ 1/4 GAL INHIBITOR) @ 500 PSIG- RETURNS: 1-1/2 DOWN TO 3/4 OF A BUCKET / HR OFF MUD LOGGER SAMPLER VALVE OF OCCASIONAL CHUNKS (UP TO 1/4") DOWN TO GRITTY (FRAC SAND SIZE) COAL (95% COAL & ~ 5% CARB SHALE).
	07:00 - 07:45	0.75	CM	5	80CMPL	
	07:45 - 08:15	0.50	CM	4	80CMPL	PULL UP INTO 7" @ 3178'KB. FLOW TEST THRU 2" TIME CHOKES MANIFOLD #S PITOT #S MSCFD / CONSISTENCY 15 MIN'S 22.0 5.5 1454 / DRY 30 MIN'S 21.0 5.25 1414 / DRY 45 MIN'S 21.0 5.25 1414 / DRY 60 MIN'S 21.0 5.25 1414 / DRY ISIP-44 PSIG.
	08:15 - 09:15	1.00	CM	u	80CMPL	
	09:15 - 12:00	2.75	CM	t	80CMPL	1-HR SHUT IN PRESSURE BUILD UP AND 2HR BUILDUPS FOR NATURAL SURGE. 15MIN 30MIN 45MIN 1HR 2HR RETURNS: PER HOUR SURGE # 22 230# 345# 395# 415# 415# HANDFUL OF FACE POWDER TYPE COAL.
	12:00 - 17:30	5.50	CM	1	80CMPL	PERFORM AIR ASSIST SURGES W/ (4) X 5 BBL WATER PADS - SURGE #23 T/800 PSIG RETURNS: 1/4 BUCKET /HR OF FACE POWDER TYPE COAL.

Operations Summary Report

Legal Well Name: SAN JUAN 32-7 UNIT FRUITLA 000218A
 Common Well Name: SAN JUAN 32-7 FRUITLAND #218A UNIT
 Event Name: Original Completion Start: 05/23/2003 End: 06/03/2003
 Contractor Name: KEY FOUR CORNERS Rig Release: 06/03/2003 Group:
 Rig Name: KEY ENERGY Rig Number: 22

Date	From - To	Hours	Code	Subco	Phase	Description of Operations
08/26/2003	12:00 - 17:30	5.50	CM	1	80CMPL	SURGE #19 T/1000 PSIG RETURNS: 4+ BUCKET / HR HEAVY AMOUNT OF FINE COAL.
	17:30 - 18:30	1.00	CM	5	80CMPL	SURGE #20 T/1100 SPIG RETURNS: CIRCULATED SURGE FLUID-POSSIBLE BRIDGE.
	18:30 - 19:00	0.50	CM	4	80CMPL	BRIDGE IN CASING @ 3178'KB-CIRCULATE 2-7/8" DRILLPIPE X 7" CASING ANNULUS W/ AIR MIST INCLUDING W/ 5 BBL FOAM SWEEPS.
	19:00 - 06:00	11.00	CM	1	80CMPL	GIH W/ 6-1/4" DRLG ASSEMBLY F/3178' & TAG UP @ 3284'KB. R&R F/3284-T/3306'KB, R&R PBTD
08/27/2003	06:00 - 05:30	23.50	CM	1	80CMPL	W/ 2.2 MMSCFD AIR & 10-12 BPH MIST (CONTAINING 1-GAL / 10 BBL FOAMER W/ 1/4 GAL INHIBITOR) @ 500 PSIG- RETURNS: HEAVY COAL ~ 5+ BUCKET (S) / HR OFF MUD LOGGER SAMPLER VALVE OF 1/4"+ CHIPS DOWN TO FACE POWDER TYPE COAL (95% COAL & ~ 5% SHALE).
						SAFETY MEETING-PRIOR TO STARTING OPERATIONS. R&R F/3284-T/3336'KB, R&R DEPTH-
08/28/2003	05:30 - 06:00	0.50	CM	4	80CMPL	W/ 2.2 MMSCFD AIR & 12-8 BPH MIST (CONTAINING 1-GAL / 10 BBL FOAMER W/ 1/4 GAL INHIBITOR) @ 500-750-500 PSIG- RETURNS: 5+ DOWN TO 2 BUCKET (S) / HR OFF MUD LOGGER SAMPLER VALVE OF GRITTY (FRAC SAND SIZE) DOWN TO FACE POWDER TYPE COAL (98% COAL & ~ 2% SHALE).
	06:00 - 09:00	3.00	RM	c	80CMPL	PULL UP INTO 7".
	09:00 - 09:30	0.50	CM	4	80CMPL	NO ACTIVITY-MONTHLY SAFETY MEETING-RIG SERVICE.
	09:30 - 06:00	20.50	CM	1	80CMPL	SAFETY MEETING-PRIOR TO STARTING OPERATIONS. GIH W/ 6-1/4" DRLG ASSEMBLY F/3178-TAG @ 3284'KB. R&R F/3284-T/3336'KB, R&R DEPTH-
08/29/2003	06:00 - 11:30	5.50	CM	1	80CMPL	W/ 2.2 MMSCFD AIR & 12-8 BPH MIST (CONTAINING 1-GAL / 10 BBL FOAMER & POLYMER W/ 1/4 GAL INHIBITOR) @ 750-800 PSIG- RETURNS: 5+ DOWN TO 3 BUCKET (S) / HR OFF MUD LOGGER SAMPLER VALVE OF FACE POWDER TYPE COAL (98-30% COAL & ~ 2-70% RUNNING SHALE).
						SAFETY MEETING PRIOR TO STARTING OPERATIONS-R&R F/3284-T/3336'KB
08/30/2003	11:30 - 04:15	16.75	CM	1	80CMPL	W/ 2.2 MMSCFD AIR & 12-8 BPH MIST (CONTAINING 1-GAL / 10 BBL FOAMER & POLYMER W/ 1/4 GAL INHIBITOR) @ 800 PSIG- RETURNS: 3 BUCKET (S) / HR OFF MUD LOGGER SAMPLER VALVE OF FACE POWDER TYPE COAL (30% COAL & ~ 70% RUNNING SHALE).
						R&R F/3284-T/3544'KB, R&R DEPTH-
	04:15 - 05:15	1.00	CM	5	80CMPL	W/ 2.2 MMSCFD AIR & 10-12 BPH MIST (CONTAINING 6-GAL / 10 BBL FOAMER & 4-GAL/10 BBL EMI-744 SHALE TREAT @ 550-450 PSIG-
	05:15 - 06:00	0.75	CM	4	80CMPL	RETURNS: 3 DOWN T/ 1/4 OF A BUCKET (S) / HR OFF MUD LOGGER SAMPLER VALVE OF FACE POWDER TYPE COAL (30-90% COAL & ~ 70-10% SHALE).
08/30/2003	06:00 - 07:00	1.00	CM	u	80CMPL	DRY UP WELLBORE PRIOR TO FLOW TEST ~ 13-17 BWPD. PULL UP INTO 7" @ 3178'KB.
						SAFETY MEETING PRIOR TO STARTING OPERATIONS-FLOW TEST THRU 2"
						TIME CHOKE MANIFOLD #S PITOT #S MSCFD / CONSISTENCY
						15 MIN'S 51.0 12.75 2217 /

Operations Summary Report

Legal Well Name: SAN JUAN 32-7 UNIT FRUITLA 000218A

Common Well Name: SAN JUAN 32-7 FRUITLAND #218A UNIT

Spud Date: 04/02/2003

Event Name: Original Completion

Start: 05/23/2003

End: 06/03/2003

Contractor Name: KEY FOUR CORNERS

Rig Release: 06/03/2003

Group:

Rig Name: KEY ENERGY

Rig Number: 22

Date	From - To	Hours	Code	Subco	Phase	Description of Operations
08/30/2003	06:00 - 07:00	1.00	CM	u	80CMPL	DAMP 30 MIN'S 31.0 7.75 1739 / DAMP 45 MIN'S 27.0 6.75 1626 / DAMP 60 MIN'S 32.0 8.0 1756 / DAMP ISIP-80 PSIG.
	07:00 - 07:30	0.50	CM	4	80CMPL	GIH W/ 6-1/4" DRLG ASSEMBLY & TAG @ 3539'KB, 5' OF FILL.
	07:30 - 23:00	15.50	CM	1	80CMPL	R&R F/3539-T/3544'KB, R&R DEPTH- CO RATHOLE SECTION F/3544-3600'TD W/ 2.2 MMSCFD AIR & 10-12 BPH MIST (CONTAINING 6-GAL / 10 BBL FOAMER & 4-GAL/10 BBLs EMI-744 SHALE TREAT @ 450 PSIG- RETURNS: 1/2 DOWN T/ 1/4 OF A BUCKET (S) / HR OFF MUD LOGGER SAMPLER VALVE OF FACE POWDER TYPE COAL (90-95% COAL & ~10-5% SHALE).
	23:00 - 04:00	5.00	CM	4	80CMPL	SHORT TRIP F/3600-3200'-TAG BRIDGE @ 3544', TOP OF RATHOLE SECTION- LAYDOWN 15 JTS 2-7/8" DRILLPIPE- HANG BACK POWER SWIVEL- COOH W/ 6-1/4" DRLG ASSEMBLY. BIT GRADED: 1-4-RG-G-F-1/16-NO-TD RIG UP TO RUN 5-1/2" LINER.
08/31/2003	04:00 - 06:00	2.00	CS	6	50PRRC	SAFETY MEETING PRIOR TO STARTING OPERATIONS-
	06:00 - 09:30	3.50	CS	6	50PRRC	RU TO RUN 5-1/2" LINER- MU 5-1/2" X 7" SLPR BAKER HYDRAULIC LINER HANGER ON 1ST JOINT OF DRILL PIPE. MU 6-1/4" STR-09 RR BIT (SN: K86CP) JETTED W/ 3-20'S W/ 3-1/2" REG X 5-1/2" LTC BIT SUB BORED, TAPPED, & CONTAINING FLOAT VALVE ON 1ST JOINT OF 5-1/2" LTC PIN X 5-1/2" STL BOX PRODUCTION CASING LINER.
	09:30 - 10:00	0.50	WC	8	50PRRC	PT 5-1/2" PIPE RAMS T/200 PSIG-3MIN & 400 PSIG-10MIN (OK).
	10:00 - 13:30	3.50	CS	2	50PRRC	GIH W/ LINER ASSEMBLY AS FOLLOWS: 6-1/4" RR BIT - 0. 3-1/2" REG X 5-1/2" LT&C BIT SUB - 1.37' 5-1/2" LT&C X 5-1/2" STL HYDRIL 15.5 PPF CASING - 42.24' 10 JTS 5-1/2" 15.5 PPF, J-55 STL HYDRIL CASING - 404.02' 5-1/2" STL X 5-1/2" LT&C X-O SUB - 1.46' 5-1/2" LT&C SLPR BAKER HYDRAULIC LINER HANGER - 3.95' TOTAL LINER ASSEMBLY - 453.64'
	13:30 - 15:15	1.75	CS	z	50PRRC	GIH W/ 89 JTS 2-7/8" DP T/3235'KB. TRIP IN & TAG BRIDGE @ 3324'KB- BREAK CIRCULATION W/ AIR MIST @ 400-450 PSIG- DRILL DOWN & THRU RATHOLE SECTION F/ 3324-3598'KB PUMP 10 BBLs AHEAD & DROP SETTING BALL DISPLACE W/ 20 BBLs Kfc PRODUCED WATER- SET & RELEASE FROM LINER HANGER W/ 1500-3000 PSIG TOP OF LINER @ 3145.32'KB

Operations Summary Report

Legal Well Name: SAN JUAN 32-7 UNIT FRUITLA 000218A
 Common Well Name: SAN JUAN 32-7 FRUITLAND #218A UNIT
 Event Name: Original Completion Start: 05/23/2003 Spud Date: 04/02/2003
 Contractor Name: KEY FOUR CORNERS Rig Release: 06/03/2003 End: 06/03/2003
 Rig Name: KEY ENERGY Rig Number: 22 Group:

Date	From - To	Hours	Code	Subco	Phase	Description of Operations
08/31/2003	13:30 - 15:15	1.75	CS	z	50PRRC	PBTD @ 3596'KB. 6-1/4" @ 3598.6'KB.
	15:15 - 15:45	0.50	CS	5	50PRRC	UNLOAD 2-7/8" DP X 7" CASING W/ AIR MIST @ 600-400 PSIG.
	15:45 - 16:30	0.75	CM	6	80CMPL	RD POWER SWIVEL.
	16:30 - 20:00	3.50	CM	4	80CMPL	COOH & LAYDOWN 2-7/8" DRILLPIPE & SETTING TOOL.
	20:00 - 20:30	0.50	CM	z	80CMPL	SDON.
09/01/2003	07:00 - 07:30	0.50	CM	c	80CMPL	SAFETY MEETING PRIOR TO STARTING OPERATIONS- SICP-440 PSIG.
	07:30 - 08:00	0.50	WC	8	80CMPL	PT 3-1/2" PIPE RAMS T/200 PSIG-3MIN & 440 PSIG-10MIN (OK). BLEED WELL DOWN TO PIT.
	08:00 - 10:30	2.50	CM	4	80CMPL	MU 6-1/4" BIT W/ BIT SUB-TRIP & LAYDOWN 3-1/2" DC'S.
	10:30 - 11:30	1.00	WC	8	80CMPL	X-O 3-1/2" TO 2-3/8" PIPE RAMS, TONGS, SLIPS, ELEVATORS, ETC. PT 2-3/8" PIPE RAMS T/200 PSIG F/3MIN & 380 PSIG-10MIN (OK). BLEED WELL DOWN TO PIT.
	11:30 - 13:30	2.00	CM	4	80CMPL	MU 2-3/8" STRING FLOAT-GIH W/ 50 STANDS 2-3/8" PRODUCTION TBG- COOH LAYDOWN & LOAD OUT 2-3/8" TBG.
	13:30 - 13:45	0.25	WC	e	80CMPL	KILL WELL W/ Kfc PRODUCED WATER & X-O 2-9/16" TBG HEAD VALVE.
	13:45 - 17:15	3.50	CM	q	80CMPL	RU BLUE JET-PT LUBRICATOR T/500 PSIG (OK)- GIH & PERFORATE Kfc INTERVALS: 3541-3544' 3535-3538' 3530-3532' 3510-3512' 3421-3423' 3404-3407' 3340-3346' 3327-3329' 3321-3325' 3317-3319' 3309-3314' 3302-3306' 3265-3268'
						3257-3263' 3250-3253'
	17:15 - 19:15	2.00	CM	6	80CMPL	TOTAL 200 (0.75") DIAMETER 90 DEGREE PHASED HOLES. RD PERFORATORS.
						RU TO RUN 2-7/8" TBG- UNLOAD & TALLY 2-7/8" TBG- 12 X 28'+ JTS & 15 X 29'+ JTS- SDON.
09/02/2003	19:15 - 19:30	0.25	CM	z	80CMPL	SAFETY MEETING-PRIOR TO STARTING OPERATIONS- SICP 500 PSIG.
	07:00 - 07:30	0.50	CM	c	80CMPL	LOAD OUT & SWAP OUT 2-7/8" SHORT TBG STRING W/ RANGE 2 (2-7/8") TBG STRING.
	07:30 - 10:00	2.50	CM	z	80CMPL	PT 2-7/8" PIPE RAMS T/200 PSIG -3MIN & 500 PSIG-10 MIN (OK). BLEED WELL DOWN TO PIT.
	10:00 - 11:00	1.00	WC	8	80CMPL	GIH W/ 2-7/8" EXPENDABLE CHECK (0.79'), W/ 2-7/8" X 4.10' 2-7/8" PUP JOINT, W/ 2-7/8" X 2.25" F NIPPLE (1.02'), TALLY & RABBIT IN HOLE 111 JTS 2-7/8" TBG (3520.13') & LAND W/ 2-7/8" X 7-1/16" TBG HANGER W/ BPV- EOT / EXPENDABLE CHECK @ 3536'KB-
	11:00 - 14:00	3.00	CM	4	80CMPL	

