

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: November 30, 2000

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

1a. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other			5. Lease Serial No. NMSF079013		
b. Type of Completion <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr. Other _____			6. If Indian, Allottee or Tribe Name		
2. Name of Operator CONOCOPHILLIPS COMPANY			Contact: DEBORAH MARBERRY/ E-Mail: deborah.marberr@conocophillips.com		
3. Address 5525 HIGHWAY 64 FARMINGTON, NM 87401			3a. Phone No. (include area code) Ph: 832.486.2326		
4. Location of Well (Report location clearly and in accordance with Federal requirements)* Sec 20 T32N R8W Mer NMP At surface NWNW 795FNL 760FWL 36.97500 N Lat, 107.70390 W Lon At top prod interval reported below At total depth			8. Lease Name and Well No. SAN JUAN 32-8 UNIT 229A		
			9. API Well No. 30-045-31208-00-S1		
			10. Field and Pool, or Exploratory BASIN FRUITLAND COAL		
			11. Sec., T., R., M., or Block and Survey or Area Sec 20 T32N R8W Mer NMP		
			12. County or Parish SAN JUAN		13. State NM
14. Date Spudded 03/13/2003		15. Date T.D. Reached 03/15/2003	16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 05/01/2003		17. Elevations (DF, KB, RT, GL)* 6724 GL
18. Total Depth: MD 3641 TVD		19. Plug Back T.D.: MD 3640 TVD		20. Depth Bridge Plug Set: MD TVD	
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) NONE				22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (Submit analysis)	

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
13.500	9.625 H-40	32.0	0	221		180		0	
8.750	7.000 J-55	20.0	0	3359		485		0	
6.250	5.500 J-55	16.0	3319	3641		0		0	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.375	3602							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) FRUITLAND COAL	3384	3640	3384 TO 3640	0.750	216	OPEN
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
3384 TO 3640	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
05/09/2003	04/28/2003	24	→	0.0	1948.0	6.0			FLows FROM WELL
Choke Size	Tbg. Press. Flwg. SI	Csg. Press. 925.0	24 Hr. Rate →	Oil BBL 0	Gas MCF 1948	Water BBL 6	Gas:Oil Ratio	Well Status PGW	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						ACCEPTED FOR RECORD
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)

ELECTRONIC SUBMISSION #22121 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\*

NMCCD

FARMINGTON FIELD OFFICE  
MAY 3 2003

## 28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

## 28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

## 29. Disposition of Gas(Sold, used for fuel, vented, etc.)

SOLD

## 30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

## 31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
SAN JOSE	0	714		NACIMIENTO	564
NACIMIENTO	714	2193		OJO ALAMO	2094
OJO ALAMO	2193	2285		KIRTLAND	2144
				FRUITLAND	3159
				FRUITLAND COAL	3299
				PICTURED CLIFFS	3634

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

This is a single well producing from the Basin Fruitland Coal. Attached are the daily summaries and the wellbore schematic with liner information.

## 33. Circle enclosed attachments:

- |   |                    |               |                       |
|---|--------------------|---------------|-----------------------|
| 1. Electrical/Mechanical Logs (1 full set req'd.)     | 2. Geologic Report | 3. DST Report | 4. Directional Survey |
| 5. Sundry Notice for plugging and cement verification | 6. Core Analysis   | 7 Other:      |                       |

## 34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

**Electronic Submission #22121 Verified by the BLM Well Information System.**  
**For CONOCOPHILLIPS COMPANY, sent to the Farmington**  
**Committed to AFMSS for processing by Adrienne Garcia on 05/30/2003 (03AXG1249SE)**

Name (please print) DEBORAH MARBERRYTitle SUBMITTING CONTACTSignature (Electronic Submission)Date 05/20/2003

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**\*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\***

Well Name: **SAN JUAN 32-8 UNIT # 229A**API #: **30-039-27254**Spud Date: **13-Mar-03**Spud Time: **0300**TD Date: **15-Mar-03**Rig Release Date: **16-Mar-03**

7 1/16" 5M x 2 1/16" Tree Adapter/Cap

11" 3M x 7 1/16" 5M Tubing Head

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

**Surface Casing** Date set: **13-Mar-03**

Size **9 5/8** in  
 Set at **221** ft # Jnts: **5**  
 Wt. **32.3** ppf Grade **H-40**  
 Hole Size **13 1/2** in  
 Wash Out **100** %  
 Est. T.O.C. **SURFACE** ft

Csg Shoe **221** ft  
 TD of surface **231** ft

Notified BLM @ **1900** hrs  
 on **3/11/2003**

Notified NMOCD @ **1900** hrs  
 on **3/11/2003**

**Intermediate Casing** Date set: **16-Mar-02**

Size **7** in **82** jts  
 Set at **3359** ft **pups**  
 Wt. **20** ppf Grade **J-55**  
 Hole Size **8 3/4** in  
 Wash Out **150** %  
 Est. T.O.C. **SURFACE** ft

Csg Shoe **3359** ft  
 TD of intermediate **3361** ft

Notified BLM @ **0850** hrs on **3/15/2003**

Notified NMOCD @ **0850** hrs on **3/15/2003**

**Production Liner** Date set: **28-Apr-03**

Size **5 1/2** in Connections: **LTC**  
 Blank Wt. **15.5** ppf  
 Grade **J-55**  
 # Jnts: **7**  
 Hole Size **6 1/4** in

PBTD **3640'**  
 Liner Shoe **3641'**

TD **3,641** ft**Surface Cement**

Date cmt'd: **13-Mar-03**  
 Lead: **180sx 50/50/Poz w/2% Gel 5#/sx**  
**Gilsonite, 3% CaCl<sub>2</sub>, 1/2 #/sx Flocele**  
**& .2% CFR-3 @ 13.5ppg & 1.32 cuft/sx**  
 Displacement vol. & fluid.: **14**  
 Bumped Plug at: **1730**  
 Pressure Plug bumped: **450**  
 Returns during job: **YES**  
 CMT Returns to surface: **16 BBLS**  
 Floats Held: **Yes** **No**  
 W.O.C. for **8** hrs (plug bump to drlg cmt)

**Intermediate Cement**

Date cmt'd: **16-Mar-03**  
 Lead: **385 sx Class B Cmt w/3%**  
**Econolite, 10 pps Gilsonite & 1/2 pps**  
**Flocele @ 11.4 ppg & 2.90 cuft/sx.**  
 Tail: **100 sx 50/50/B/Poz Cmt w/2%**  
**Gel, 2% CaCl<sub>2</sub>, 5 pps Gilsonite & 1/4**  
**pps Flocele @ 13.5 ppg & 1.33 cuft/sx**  
 Displacement vol. & fluid.: **130 FW**  
 Bumped Plug at: **1500 HRS**  
 Pressure Plug bumped: **1850**  
 Returns during job: **YES**  
 CMT Returns to surface: **40 BBLS**  
 Floats Held: **X** **Yes** **No**

**Liner Cement****UNCEMENTED LINER****COMMENTS:**

Surface: **DRILLED 13.5" HOLE TO GET CSG TO BOTTOM. NO FLOAT EQUIPMENT RAN. WELL SHUT-IN WITH 230 PSI.**

Intermediate: **WASHED DOWN LAST 20' TO BOTTOM.**

Production: **6 1/8" ROTARY FLOAT SHOE RUN ON BOTTOM JOINT OF CASING**  
**TOP OF LINER @ 3319' W/ 40' OF 7" CASING OVERLAP**

**CENTRALIZERS:**

Surface: **211', 138', 96', 55'.**

Intermediate: **3349', 3282', 3207', 3124', 3042', 2960', 200'.**  
**TURBOLIZERS 2095', 2054', 2012'.**

Total: **4**Total: **10**

## Operations Summary Report

Legal Well Name: SAN JUAN 32-8 UNIT FRUITLA 000229A  
 Common Well Name: SAN JUAN 32-8 FRUITLAND #229A UNIT  
 Event Name: Original Completion Start: 03/07/2003 End: 04/30/2003  
 Contractor Name: KEY FOUR CORNERS Rig Release: 04/30/2003 Group:  
 Rig Name: KEY ENERGY Rig Number: 940

Date	From - To	Hours	Code	Subco	Phase	Description of Operations
04/14/2003	13:00 - 15:00	2.00	MV	1	00MMIR	SAFETY MEETING-PRIOR TO STARTING OPERATIONS. MIRU KEY 940.
	15:00 - 17:30	2.50	WC	e	80CMPL	SI 7" INTERMEDIATE CSG -0- PSIG-NIPPLE UP BOP.
	17:30 - 18:30	1.00	CM	6	80CMPL	RU AUXILARY EQUIPMENT.
	18:30 - 19:00	0.50	CM	z	80CMPL	SDON.
04/15/2003	06:00 - 07:00	1.00	CM	z	80CMPL	SAFETY MEETING-PRIOR TO STARTING OPERATIONS. SDON.
	07:00 - 11:00	4.00	WC	e	80CMPL	SI 7" INTERMEDIATE CSG -0- PSIG-CHANGE OUT KILL SPOOL COMBINATION STUDS & NIPPLE UP BOP.
	11:00 - 16:30	5.50	CM	6	80CMPL	RU AUXILARY EQUIPMENT ( KILL LINE,LIGHT PLANT, BLOOIE LINES, FLOOR, ETC.) WHILE PERFORMING RIG REPAIR-WELD ON DRUM A KICK OVER PLATE FOR THE DRILLING LINE, REMOVE DRILLER'S BLIND SPOT TO FLOOR BY RELOCATING WEIGHT INDICATOR, PLACE HAND RAILS ON FLOOR EXTENSION, MISC WELDING.
	16:30 - 18:30	2.00	DR	2	50PRDR	SLIP 3-1/2" DC'S & 2-7/8" DRILLPIPE ON PIPE RACKS-RU TO RUN DRILL STRING.
04/16/2003	18:30 - 19:00	0.50	DR	z	50PRDR	SDON.
	06:00 - 07:00	1.00	CM	z	80CMPL	SAFETY MEETING-PRIOR TO STARTING OPERATIONS. SDON.
	07:00 - 08:00	1.00	DR	z	50PRDR	SICP 7" -0- PSIG. SI 7" X 9-5/8" ANNULUS -0- PSIG. CALIPER, TALLY BHA & DP.
	08:00 - 08:45	0.75	RM	m	50PRDR	WELD ON KICK PLATES FOR FLOOR EXTENSION.
	08:45 - 09:30	0.75	DR	z	50PRDR	PERFORM RIG INSPECTION.
	09:30 - 11:00	1.50	WC	9	50PRDR	"NOTIFY BLM OF PENDING CSG INTEGRITY TEST ON 4-13-03 @ 16:00"
						BREAK CIRCULATION TO PIT THRU CHOKE MANIFOLD VIA KILL SPOOL-
						PT KILL LINE T/1000 PSIG (OK)-PERFORM 7" CASING INTEGRITY TEST TO 600 PSIG-30MIN (OK).
	11:00 - 16:00	5.00	DR	2	50PRDR	MU 6-1/4" STX-09 TRI-CONE INSERT BIT JETTED W/3-20'S SN: S10JH, W/3-1/2" REG BOX x 2-3/8"IF BOX BIT SUB BORED, TAPPED, AND CONTAINING A FLOAT VALVE, W/ 10-(3-1/2") DC'S W/ 2-3/8" IF PIN x 2-7/8" IF BOX X-O SUB TBHA 306.91'-GIH W/ A TOTAL OF 96 JTS 2-7/8" IF DP CONTAINING A 2-7/8" OD X 1.875" ID F NIPPLE RUN 1-JT ABOVE DC'S & TAG TOP OF CMT @ 3277'KB.
	16:00 - 17:30	1.50	DR	6	50PRDR	RU POWER SWIVEL.
	17:30 - 18:00	0.50	DR	5	50PRDR	BREAK CIRCULATION W/ PRODUCED FRUITLAND COAL WATER.
	18:00 - 19:30	1.50	WC	8	50PRDR	PT #2 PIPE RAMS CHOKE MANIFOLD T/200 PSIG -3MIN & 1800 PSIG -15MIN (OK)
						PT #1 PIPE RAMS, HCR VALVES TO T/200 PSIG -3MIN & 1800 PSIG -15MIN (OK)
						PT STAND PIPE, KELLY HOSE, POWER SWIVEL, TIW VALVE, AIR WATER MANIFOLD, KILL LINES TO 2000 PSIG -10MIN (OK)
						PT AIR LINES TO AIR WATER MANIFOLD T/300, 500, & 1500 PSIG (OK).
	19:30 - 20:00	0.50	DR	5	50PRDR	UNLOAD HOLE & BREAK CIRCULATION W/ 2.2 MSCFD AIR & 10 BPH MIST.
	20:00 - 04:30	8.50	DR	1	50PRDR	DRILLOUT SOFT -HARD CMT F/ 3272-T/3323'KB FLOAT COLLAR, CMT, GS @ 3360'KB & OPEN HOLE SECTION F/ 3361-T/3641'KB, PBTD.
						COAL INTERVALS      NET FEET      GAS UNITS 3384-3387'                      3'                      517

## Operations Summary Report

Legal Well Name: SAN JUAN 32-8 UNIT FRUITLA 000229A

Common Well Name: SAN JUAN 32-8 FRUITLAND #229A UNIT

Spud Date: 03/13/2003

Event Name: Original Completion

Start: 03/07/2003

End: 04/30/2003

Contractor Name: KEY FOUR CORNERS

Rig Release: 04/30/2003

Group:

Rig Name: KEY ENERGY

Rig Number: 940

Date	From - To	Hours	Code	Subco	Phase	Description of Operations
04/16/2003	20:00 - 04:30	8.50	DR	1	50PRDR	3419-3432' 13' 603 3515-3517' 4' 579 3519-3524' 9' 579 3568-3573' 5' 595 3529-3640' 11' 610 LARGE DIAMETER UP TO 1/2" WELL CLEATED COALS IN UPPER INTERVAL. BASAL COAL IS SUB-BLOCKY, VITREOUS, BANDED W/ 20% BRIGHT, 30% FLAT, & 50% INTERMEDIATE COAL. COMMON PYRITE AND OCCASIONAL CALCITE. "CONFIRMATION FROM JIM MURPHY FOR DEEPENINGTD". R&R F/ 3623-T/3641'KB W/ 2.2 MSCFD AIR & 01-DOWN TO 4 BPH MIST. RETURNS: 1/2 DOWN TO 1/40TH OF A BUCKET /HR OF VERY FINE COAL.
	04:30 - 06:00	1.50	CM	1	80CMPL	R&R, C/O TO 3641' (TD) WITH 1800 CFM AIR, 3 BPH MIST, 2 GAL FOAMER & INHIBITOR/20 BBLS RETURNS TO SURFACE = LIGHT COAL FINES
04/17/2003	06:00 - 07:00	1.00	CM	1	80CMPL	HOLD SAFETY MEETING WITH ALL PERSONNEL
	07:00 - 07:30	0.50	CM	c	80CMPL	R&R, C/O TO 3641' (TD) WITH 1800 CFM AIR, 3 BPH MIST, 2 GAL FOAMER & INHIBITOR/20 BBLS
	07:30 - 08:30	1.00	CM	1	80CMPL	RETURNS TO SURFACE = LIGHT COAL FINES
	08:30 - 09:00	0.50	CM	4	80CMPL	POOH 10 JOINTS TO SHOE AT 3361'
	09:00 - 10:00	1.00	CM	u	80CMPL	FLOW TEST WELL THROUGH A 2" OPEN LINE WITH PITOT TUBE 15 MIN = 300 MCFD, 30 MIN = 350 MCFD, 45 MIN = 400 MCFD, 1 HR = 400 MCFD
	10:00 - 11:00	1.00	CM	t	80CMPL	SHUT IN PRESSURE TEST ISIP = 16 PSI, 15 MIN = 140 PSI, 30 MIN = 380 PSI, 45 MIN = 450 PSI, 1 HR = 490 PSI
	11:00 - 14:00	3.00	CM	1	80CMPL	SURGE WELL #1 & #2 WITH NATURAL BUILD UP, 500 PSI RETURNS TO SURFACE = VERY LIGHT FINES
	14:00 - 18:00	4.00	CM	1	80CMPL	SURGE WELL #3 & #4 WITH AIR ASSIST, 1800 CFM AIR, 3 BPH MIST, 2 GALS FOAMER & INHIBITOR/20 BBLS 1100 PSI, 5-6 BBL WATER PADS RETURNS TO SURFACE = LIGHT COAL AND FINES
	18:00 - 18:30	0.50	CM	4	80CMPL	RIH, TAG FILL AT 3454'
	18:30 - 19:00	0.50	CM	1	80CMPL	C/O F/3454' - T/3500' WITH 1800 CFM AIR, 3 BPH MIST, 2 GALS FOAMER & INHIBITOR/20 BBLS RETURNS TO SURFACE = LIGHT COAL AND FINES
	19:00 - 19:30	0.50	CM	c	80CMPL	1/2 TO 1/4 BUCKET PER HOUR OFF SAMPLE CATCHER
	19:30 - 06:00	10.50	CM	1	80CMPL	HOLD SAFETY MEETING WITH ALL PERSONNEL C/O F/3500' - T/3641' (TD) WITH 1800 CFM AIR, 3 BPH MIST, 2 GALS FOAMER & INHIBITOR/20 BBLS RETURNS TO SURFACE = COAL AND FINES 1 TO 1/4 BUCKET PER HOUR OFF SAMPLE CATCHER
04/18/2003	06:00 - 07:00	1.00	CM	1	80CMPL	R & R AT 3641' (TD) R&R, C/O TO 3641' (TD) WITH 1800 CFM AIR, 3 BPH MIST, 2 GALS FOAMER & INHIBITOR/20 BBLS RETURNS TO SURFACE = LIGHT COAL AND FINES
	07:00 - 07:30	0.50	CM	c	80CMPL	1/4 BUCKET PER HOUR OFF SAMPLE CATCHER
	07:30 - 08:00	0.50	CM	4	80CMPL	HOLD SAFETY MEETING WITH ALL PERSONNEL
	08:00 - 18:00	10.00	CM	1	80CMPL	POOH 10 JOINTS TO SHOE AT 3361' SURGE WELL #5, #6, #7, #8 WITH 1800 CFM AIR, 3 BPH MIST, 2 GAL

## Operations Summary Report

Legal Well Name: SAN JUAN 32-8 UNIT FRUITLA 000229A  
 Common Well Name: SAN JUAN 32-8 FRUITLAND #229A UNIT  
 Event Name: Original Completion Start: 03/07/2003 End: 04/30/2003  
 Contractor Name: KEY FOUR CORNERS Rig Release: 04/30/2003 Group:  
 Rig Name: KEY ENERGY Rig Number: 940

Date	From - To	Hours	Code	Subco	Phase	Description of Operations
04/18/2003	08:00 - 18:00	10.00	CM	1	80CMPL	FOAMER & INHIBITOR/20 BBLS 5-6 BBL WATER PADS, 1100 TO 1300 PSI RETURNS TO SURFACE = LIGHT COAL AND FINES
	18:00 - 18:30	0.50	CM	4	80CMPL	RIH FROM THE SHOE, TAG FILL AT 3629'
	18:30 - 19:00	0.50	CM	1	80CMPL	C/O F/3629' - T/3641' WITH 1800 CFM AIR, 3 BPH MIST, 2 GALS FOAMER & INHIBITOR/20 BBLS LIGHT TO MED COALS TO SURFACE 2-1/2 BUCKETS PER HOUR OFF SAMPLE CATCHER
	19:00 - 19:30	0.50	CM	c	80CMPL	HOLD SAFETY MEETING WITH ALL PERSONNEL
	19:30 - 06:00	10.50	CM	1	80CMPL	C/O F/3629' - T/3641' WITH 1800 CFM AIR, 3 BPH MIST, 2 GALS FOAMER & INHIBITOR/20 BBLS RETURNS TO SURFACE = LIGHT TO MED COAL 2-1/2 DOWN TO 1/4 BUCKET PER HOUR OFF SAMOLE CATCHER
04/19/2003	06:00 - 07:00	1.00	CM	1	80CMPL	R & R, C/O TO 3641' (TD) WITH 1800 CFM AIR, 3 BPH MIST, 2 GALS FOAMER & INHIBITOR/20 BBLS RETURNS TO SURFACE = LIGHT COAL AND FINES DOWN TO 1/4 BUCKET PER HOUR OFF SAMPLE CATCHER
	07:00 - 07:30	0.50	CM	c	80CMPL	HOLD SAFETY MEETING WITH ALL PERSONNEL
	07:30 - 08:00	0.50	CM	4	80CMPL	POOH 10 JOINTS TO SHOE AT 3361'
	08:00 - 17:00	9.00	CM	1	80CMPL	SURGE WELL #9, #10, #11, #12, #13 WITH 1800 CFM AIR, 3 BPH MIST, 2 GAL FOAMER & INHIBITOR/20 BBLS PUMP 5-6 BBL WATER PADS, 1200 PSI RETURNS TO SURFACE = MED COAL AND FINES
	17:00 - 17:30	0.50	CM	4	80CMPL	RIH FROM SHOE, TAG BRIDGE AT 3418'
04/20/2003	17:30 - 19:00	1.50	CM	1	80CMPL	C/O F/3418' - T/3436' WITH 1800 CFM AIR, 3 BPH MIST, 2 GALS FOAMER & INHIBITOR/20 BBLS RETURNS TO SURFACE = HEAVY COALS AND FINES 4 BUCKET PER HOUR OFF SAMPLE CATCHER, FINES TO 1" DIA
	19:00 - 19:30	0.50	CM	c	80CMPL	HOLD SAFETY MEETING WITH ALL PERSONNEL
	19:30 - 06:00	10.50	CM	1	80CMPL	C/O F/3436' - T/3641' (TD) WITH 1800 CFM AIR, 3 BPH MIST, 2 GALS FOAMER & INHIBITOR/20 BBLS RETURNS TO SURFACE = HEAVY TO LIGHT COAL AND FINES 4 DOWN TO 1/4 BUCKET PER HOUR
	06:00 - 07:00	1.00	CM	1	80CMPL	R & R, C/O TO 3641' (TD) WITH 1800 CFM AIR, 3 BPH MIST, 2 GALS FOAMER & INHIBITOR/20 BBLS RETURNS TO SURFACE = LIGHT COAL AND FINES 1/4 BUCKET PER HOUR OFF SAMPLE CATCHER
	07:00 - 07:30	0.50	CM	c	80CMPL	HOLD SAFETY MEETING WITH ALL PERSONNEL
04/20/2003	07:30 - 09:00	1.50	CM	1	80CMPL	R & R, C/O TO 3641' (TD) WITH 1800 CFM AIR, 3 BPH MIST, 2 GALS FOAMER & INHIBITOR/20 BBLS REURNS TO SURFACE = LIGHT COAL AND FINES LESS THAN 1/4 BUCKET PER HOUR OFF SAMPLE CATCHER
	09:00 - 17:00	8.00	CM	4	80CMPL	POOH, STUCK PIPE AT 3590', UNABLE TO MOVE UP, DOWN OR ROTATE SHUT IN ANNULAS, WAIT FOR PRESSURE TO EQUALIZE, PUMP PRODUCED WATER DOWN DRILL PIPE, WORK PIPE, PUMP WATER DOWN ANNULAS, WORK PIPE, FINALLY ABLE TO WORK DOWN, ABLE TO ROTATE PIPE, SLOWLY WORK UP AND DOWN UNTIL FREE, HAD TO WORK 3 JTS (90') TO GET FREE OF FILL, FINISH POOH TO SHOE AT 3361'
	17:00 - 19:00	2.00	CM	1	80CMPL	R & R, C/O F/3361' - T/3436' WITH 1800 CFM AIR, 3 BPH MIST, 2 GALS FOAMER & INHIBITOR/20 BBLS RETURNS TO SURFACE = HEAVY COAL AND FINES

## Operations Summary Report

Legal Well Name: SAN JUAN 32-8 UNIT FRUITLA 000229A  
 Common Well Name: SAN JUAN 32-8 FRUITLAND #229A UNIT  
 Event Name: Original Completion Start: 03/07/2003 End: 04/30/2003  
 Contractor Name: KEY FOUR CORNERS Rig Release: 04/30/2003 Group:  
 Rig Name: KEY ENERGY Rig Number: 940

Date	From - To	Hours	Code	Subco	Phase	Description of Operations
04/20/2003	17:00 - 19:00	2.00	CM	1	80CMPL	5-6 BUCKETS PER HOUR OFF SAMPLE CATCHER, FINES TO 1" DIA
	19:00 - 19:30	0.50	CM	c	80CMPL	HOLD SAFETY MEETING WITH ALL PERSONNEL
	19:30 - 06:00	10.50	CM	1	80CMPL	R & R, C/O F/3436' - T/3467' WITH 1800 CFM AIR, 3 BPH MIST, 2 GALS FOAMER & INHIBITOR/20 BBLS RETURNS TO SURFACE = HEAVY COAL AND FINES 5 DOWN TO 1 BUCKET PER HOUR OFF SAMPLE CATCHER COALS APPEAR TO BE RUNNING
04/21/2003	06:00 - 07:00	1.00	CM	1	80CMPL	R & R, C/O F/3436' - T/3467' WITH 1800 CFM AIR, 3 BPH MIST, 2 GALS FOAMER & INHIBITOR/20 BBLS RETURNS TO SURFACE = HEAVY COAL AND FINES 4 BUCKETS PER HOUR OFF SAMPLE CATCHER HOLD SAFETY MEETING WITH ALL PERSONNEL
	07:00 - 07:30	0.50	CM	c	80CMPL	
	07:30 - 19:00	11.50	CM	1	80CMPL	R & R, C/O F/3467' - T/3536' WITH 1800 CFM AIR, 3 BPH MIST, 2 GALS FOAMER & INHIBITOR/20 BBLS RETURNS TO SURFACE = HEAVY COAL AND FINES 2-5 BUCKETS PER HOUR, PUMP 5 BBL SOAP SWEEPS TO HELP CLEAN HOLE COALS APPEAR TO BE RUNNING HOLD SAFETY MEETING WITH ALL PERSONNEL
	19:00 - 19:30	0.50	CM	c	80CMPL	
	19:30 - 06:00	10.50	CM	1	80CMPL	R & R, C/O F/3536' - T/3590' WITH 1800 CFM AIR, 3 BPH MIST, 2 GALS FOAMER & INHIBITOR/20 BBLS RETURNS TO SURFACE = HEAVY TO MED COAL AND FINES 2-4 BUCKETS PER HOUR OFF SAMPLE CATCHER PUMP 5 BBL SOAP SWEEPS TO HELP CLEAN THE HOLE
						R & R, C/O AT 3590' WITH 1800 CFM AIR, 3 BPH MIST, 2 GALS FOAMER & INHIBITOR/20 BBLS RETURNS TO SURFACE = MED COAL AND FINES 1 - 2 BUCKETS PER HOUR OFF SAMPLE CATCHER HOLD SAFETY MEETING WITH ALL PERSONNEL
04/22/2003	06:00 - 07:00	1.00	CM	1	80CMPL	R & R, C/O F/3590' - T/3641' (TD) WITH 1800 CFM AIR, 3 BPH MIST, 2 GALS FOAMER & INHIBITOR/20 BBLS RETURNS TO SURFACE = MED COALS AND FINES 2-4 BUCKETS PER HOUR OFF SAMPLE CATCHER HOLD SAFETY MEETING WITH ALL PERSONNEL
	07:00 - 07:30	0.50	CM	c	80CMPL	
	07:30 - 19:00	11.50	CM	1	80CMPL	R & R, C/O @ 3641' (TD) WITH 1800 CFM AIR, 3 BPH MIST, 2 GALS FOAMER & INHIBITOR/20 BBLS RETURNS TO SURFACE = MED COALS AND FINES 1-2 BUCKETS PER HOUR OFF SAMPLE CATCHER PUMP 5 BBL SOAP SWEEPS
	19:00 - 19:30	0.50	CM	c	80CMPL	
	19:30 - 06:00	10.50	CM	1	80CMPL	R & R, C/O @ 3641' (TD) WITH 1800 CFM AIR, 3 BPH MIST, 2 GALS FOAMER & INHIBITOR/20 BBLS RETURNS TO SURFACE = MED COALS AND FINES 1-2 BUCKETS PER HOUR OFF SAMPLE CATCHER PUMP 5 BBL SOAP SWEEPS
						R & R, C/O @ 3641' (TD) WITH 1800 CFM AIR, 3 BPH MIST, 2 GALS FOAMER & INHIBITOR/20 BBLS RETURNS TO SURFACE = MED COAL AND FINES 1-2 BUCKETS PER HOUR OFF SAMPLE CATCHER HOLD SAFETY MEETING WITH ALL PERSONNEL
04/23/2003	06:00 - 07:00	1.00	CM	1	80CMPL	R & R, C/O @ 3641' (TD) WITH 1800 CFM AIR, 3 BPH MIST, 2 GALS FOAMER & INHIBITOR/20 BBLS RETURNS TO SURFACE = MED COAL AND FINES 1-2 BUCKETS PER HOUR OFF SAMPLE CATCHER HOLD SAFETY MEETING WITH ALL PERSONNEL
	07:00 - 07:30	0.50	CM	c	80CMPL	
	07:30 - 19:00	11.50	CM	1	80CMPL	R & R, C/O @ 3641' (TD) WITH 1800 CFM AIR, 3 BPH MIST, 2 GALS FOAMER & INHIBITOR/20 BBLS RETURNS TO SURFACE = MED COAL AND FINES 1-2 BUCKETS PER HOUR OFF SAMPLE CATCHER PUMP 5 BBL SWEEPS TO HELP CLEAN UP, COAL APPEARS TO BE RUNNING FROM BOTTOM COAL ZONE HOLD SAFETY MEETING WITH ALL PERSONNEL
	19:00 - 19:30	0.50	CM	c	80CMPL	
	19:30 - 06:00	10.50	CM	1	80CMPL	R & R, C/O @ 3641' (TD) WITH 1800 CFM AIR, 3 BPH MIST, 2 GALS FOAMER & INHIBITOR/20 BBLS

## Operations Summary Report

Legal Well Name: SAN JUAN 32-8 UNIT FRUITLA 000229A  
 Common Well Name: SAN JUAN 32-8 FRUITLAND #229A UNIT  
 Event Name: Original Completion Start: 03/07/2003 End: 04/30/2003  
 Contractor Name: KEY FOUR CORNERS Rig Release: 04/30/2003 Group:  
 Rig Name: KEY ENERGY Rig Number: 940

Date	From - To	Hours	Code	Subco	Phase	Description of Operations
04/23/2003	19:30 - 06:00	10.50	CM	1	80CMPL	RETURNS TO SURFACE = MED COAL AND FINES 1-2 BUCKETS PER HOUR OFF SAMPLE CATCHER PUMP 5 BBL SWEEPS TO HELP CLEAN UP, COAL APPEARS TO BE RUNNING FROM BOTTOM COAL ZONE
04/24/2003	06:00 - 12:00	6.00	CM	1	80CMPL	SAFETY MEETING-PRIOR TO STARTING OPERATIONS- R&R F/3623 - T/3641'KB, PBTD W/ 2.2 MMSCFD AIR & 10 BPH MIST- RETURNS: 2 DOWN TO 3/4 BUCKET / HR FINE BRIGHT COAL- NO APPRECIABLE WATER GAIN ~ 1/4 BWPH.
	12:00 - 12:45	0.75	CM	5	80CMPL	CIRCULATE & DRY UP WELLBORE PRIOR TO FLOW TEST W/ 2.2 MMSCFD AIR & 10 DOWN T/-0- BPH MIST.
	12:45 - 13:15	0.50	CM	4	80CMPL	PULL UP INTO 7" @ 3330'KB.
	13:15 - 14:15	1.00	CM	u	80CMPL	FLOW TEST THRU 2" TIME CHOKE MANIFOLD #S PITOT #S MSCFD / CONSISTENCY 15MIN 23.5 5.75 1505 / DRY 30MIN 24.0 6.0 1520 / DRY 45MIN 24.5 6.15 1578 / DRY 60MIN 22.5 5.5 1454 / DRY
	14:15 - 22:30	8.25	CM	t	80CMPL	RECORD ISIP @ 40 PSIG. RECORD 1-HR SIBPU AND 2 HR FOR NATURAL SURGES 15MIN 30MIN 45MIN 60MIN 120 MIN SURGE #14 250 400 525 640 785 SURGE #15 290 500 640 700 750 SURGE #16 265 495 540 640 BLOW AROUND TO PIT AFTER SURGES- ALLOW WELLBORE TO VENT PRIOR TO NATURAL BUILDUP- RETURNS: VERY SMALL AMOUNT OF FINE COAL ~ "A COUPLE OF HANDFULS".
	22:30 - 02:00	3.50	CM	1	80CMPL	PERFORM AIR MIST SURGES W/ 5 BBL WATER PADS SURGE # BREAKOVER PRESSURE RETURNS: BUCKET/HR 17 1000# HANDFUL BLOW WELL AROUND TO PIT W/ AIR MIST AFTER SURGE RETURNS: VERY SMALL AMOUNT, POSSIBLY BRIDGED.
	02:00 - 02:30	0.50	CM	4	80CMPL	GIH W/ 6-1/4" BHA & TAGGED 10' OF NEW FILL @ 3631'KB (OPEN HOLE SECTION WAS CLEAN WHILE TRIPPING IN).
	02:30 - 06:00	3.50	CM	1	80CMPL	R&R F/3631 - T/3641'KB, PBTD W/ 2.2 MMSCFD AIR & 10 BPH MIST- RETURNS: 1-1/2 DOWN TO 3/4 BUCKET / HR FINE BRIGHT COAL- NO APPRECIABLE WATER GAIN ~ 1/4 BWPH.
04/25/2003	06:00 - 06:00	24.00	CM	1	80CMPL	SAFETY MEETING-PRIOR TO STARTING OPERATIONS- R&R F/3623 - T/3641'KB, PBTD W/ 2.2 MMSCFD AIR & 10 BPH MIST- RETURNS: 3/4 UP TO 2+ BUCKETS / HR- 1/2" CHUNKS DOWN T/ FINE BRIGHT COAL- 99% COAL & ~1% SHALE NO APPRECIABLE WATER GAIN ~ 1/4 BWPH.
04/26/2003	06:00 - 11:30	5.50	CM	1	80CMPL	SAFETY MEETING-PRIOR TO STARTING OPERATIONS- R&R F/3623 - T/3641'KB, PBTD W/ 2.2 MMSCFD AIR & 10 BPH MIST- RETURNS: 2 DOWN TO 1/2 BUCKET / HR- FINE BRIGHT COAL- 99% COAL & ~1% SHALE NO APPRECIABLE WATER GAIN ~ 1/4 BWPH.
	11:30 - 12:30	1.00	CM	5	80CMPL	CIRCULATE & DRY UP WELLBORE PRIOR TO FLOW TEST W/ 2.2 MMSCFD AIR & 10 DOWN T/-0- BPH MIST.



## Operations Summary Report

Legal Well Name: SAN JUAN 32-8 UNIT FRUITLA 000229A  
 Common Well Name: SAN JUAN 32-8 FRUITLAND #229A UNIT  
 Event Name: Original Completion Start: 03/07/2003 End: 04/30/2003  
 Contractor Name: KEY FOUR CORNERS Rig Release: 04/30/2003 Group:  
 Rig Name: KEY ENERGY Rig Number: 940

Date	From - To	Hours	Code	Subco	Phase	Description of Operations
04/26/2003	12:30 - 13:00	0.50	CM	4	80CMPL	PULL UP INTO 7" @ 3330'KB.
	13:00 - 14:00	1.00	CM	u	80CMPL	FLOW TEST THRU 2"
						TIME CHOKER MANIFOLD #S PITOT #S MSCFD / CONSISTENCY
						15MIN 23.5 5.75 1505 / DRY
						30MIN 24.0 6.0 1520 / DRY
						45MIN 24.0 6.0 1520 / DRY
						60MIN 24.5 6.0 1520 / DRY
						RECORD ISIP @ 40 PSIG.
	14:00 - 16:00	2.00	CM	t	80CMPL	RECORD 1-HR SIBPU AND 2 HR FOR NATURAL SURGE
						15MIN 30MIN 45MIN 60MIN 90 MIN 120 MIN
04/27/2003						SURGE #18 250 400 525 640 725 785
						BLOW AROUND TO PIT AFTER SURGE W/ AIR MIST-
						RETURNS: VERY SMALL AMOUNT OF FINE COAL.
	16:00 - 02:00	10.00	CM	1	80CMPL	PERFORM AIR MIST SURGES W/ 5 BBL WATER PADS
						SURGE # BREAKOVER PRESSURE RETURNS: BUCKET/HR
						19 1000# 1/2
						20 1000# 1/2
						21 1000# 2
						22 900# 1/2
						BLOW WELL AROUND TO PIT W/ AIR MIST AFTER SURGES
04/28/2003						RETURNS: SOME LARGE DIAMETER 3/4"+ CHUNKS OF COAL AND FINE BRIGHT COAL.
	02:00 - 02:30	0.50	CM	4	80CMPL	GIH W/ 6-1/4" BHA & TAGGED 13' OF NEW FILL @ 3628'KB (OPEN HOLE SECTION WAS CLEAN WHILE TRIPPING IN).
	02:30 - 06:00	3.50	CM	1	80CMPL	R&R F/3628 - T/3641'KB, PBDT W/ 2.2 MMSCFD AIR & 10 BPH MIST-
						RETURNS: 2-1/2 BUCKETS / HR FINE BRIGHT COAL-
						NO APPRECIABLE WATER GAIN ~ 1/4 BWPH.
	06:00 - 04:15	22.25	CM	1	80CMPL	SAFETY MEETING-PRIOR TO STARTING OPERATIONS-
						R&R F/3623 - T/3641'KB, PBDT W/ 2.2 MMSCFD AIR & 10 BPH MIST-
						RETURNS: 2-1/2 DOWN TO 1 BUCKET / HR-
						FINE BRIGHT COAL-
						99% COAL & ~1% SHALE
04/28/2003	04:15 - 05:30	1.25	CM	5	80CMPL	NO APPRECIABLE WATER GAIN ~ 1/4 BWPH.
						CIRCULATE & DRY UP WELLBORE PRIOR TO FLOW TEST W/ 2.2 MMSCFD AIR & 10 DOWN T/0- BPH MIST.
	05:30 - 06:00	0.50	CM	4	80CMPL	PULL UP INTO 7" @ 3330'KB.
	06:00 - 06:30	0.50	CM	4	80CMPL	SAFETY MEETING-PRIOR TO STARTING OPERATIONS-
						PULL UP TO 3330'KB FOR FLOW TEST.
	06:30 - 07:30	1.00	CM	u	80CMPL	FLOW TEST THRU 2"
						TIME CHOKER MANIFOLD #S PITOT #S MSCFD / CONSISTENCY
						15MIN 40.0 10.0 1948 / DAMP
						30MIN 40.0 10.0 1948 / DAMP
						45MIN 40.0 10.0 1948 / DAMP
04/28/2003						60MIN 40.0 10.0 1948 / DAMP
						RECORD ISIP @ 80 PSIG.
	07:30 - 08:15	0.75	CM	4	80CMPL	GIH W/ 6-1/4" DRILLING ASSEMBLY & TAG 5' OF FILL @ 3636'KB.
	08:15 - 22:00	13.75	CM	1	80CMPL	R&R F/3623 - T/3641'KB, PBDT W/ 2.2 MMSCFD AIR & 10 BPH MIST-
						RETURNS: 2-DOWN TO 1+ BUCKET / HR-
						FINE BRIGHT COAL-
						99% COAL & ~1% SHALE

## Operations Summary Report

Legal Well Name: SAN JUAN 32-8 UNIT FRUITLA 000229A

Common Well Name: SAN JUAN 32-8 FRUITLAND #229A UNIT

Spud Date: 03/13/2003

Event Name: Original Completion

Start: 03/07/2003

End: 04/30/2003

Contractor Name: KEY FOUR CORNERS

Rig Release: 04/30/2003

Group:

Rig Name: KEY ENERGY

Rig Number: 940

Date	From - To	Hours	Code	Subco	Phase	Description of Operations
04/28/2003	08:15 - 22:00	13.75	CM	1	80CMPL	NO APPRECIABLE WATER GAIN, BUT THE GAS CONSISTENCY DURING THE FLOW TEST WAS DAMP~ 1/4 BWPH.
	22:00 - 23:00	1.00	CM	5	80CMPL	CIRCULATE & CONDITION HOLE W/ 1/2 GAL POLYMER MIXED W/ 1 GAL FOAMER IN 10 BBLS PRODUCED WATER & 2.2 MMSCFD AIR.
	23:00 - 00:00	1.00	CM	4	80CMPL	SHORT TRIP INTO 7" & TAG 10' OF FILL.
	00:00 - 01:45	1.75	CM	5	80CMPL	CLEANOUT 10' OF FILL-CIRCULATE & CONDITION HOLE W/ 1/2 GAL POLYMER MIXED W/ 1 GAL FOAMER IN 10 BBLS PRODUCED WATER & 2.2 MMSCFD AIR.
04/29/2003	01:45 - 06:00	4.25	CM	4	80CMPL	SHORT TRIP INTO 7" & TAG 3' OF FILL-COOH W/ DRILLING ASSEMBLY.
	06:00 - 08:15	2.25	CS	6	50PRRC	SAFETY MEETING-PRIOR TO STARTING OPERATIONS- RU TO RUN 5-1/2" LINER.
						MU 5-1/2" X 7" HYFLO III LINER HANGER ON #1 JOINT OF DRILL PIPE.
						MU 5-1/2" ROTARY FLOAT SHOE ON 1ST JOINT OF CASING.
	08:15 - 09:00	0.75	WC	8	50PRRC	PT 5-1/2" PIPE RAMS TO 200 PSI-3MIN & 500 PSIG-10 MIN (OK).
	09:00 - 10:15	1.25	RM	m	50PRRC	RIG REPAIR-REPLACE FAN BELTS ON DECK ENGINE.
	10:15 - 12:30	2.25	CS	4	50PRRC	GIH W/ 5-1/2" 15.5 PPF J-55 LT&C CASING / LINER AS FOLLOWS: 6-1/8" BAKER ROTARY FLOAT SHOE 1.10' 7- JTS 5-1/2" CASING 315.36' HYFLO III LINER HANGER W/ STEEL SLEEVE 4.75' TOTAL LINER ASSEMBLY 321.21' GIH W/ TOTAL OF 99 JTS 2-7/8" DRILLPIPE T/3392'KB.
	12:30 - 14:30	2.00	CS	n	50PRRC	DRILL DOWN THRU BRIDGE @ 3420', 3550' & DRILL DOWN F/3631-41'KB, PBDT W/ 1.1 MSCFD AIR & 12 BPH MIST. SET 5-1/2" X 7" LINER HANGER & BACK OUT SETTING TOOL. TOL @ 3318.79'KB ~42' OF OVERLAP.
	14:30 - 15:00	0.50	CS	5	50PRRC	CIRCULATE CLEAN 7" X 2-7/8" CASING ANNULUS W/ AIR MIST.
	15:00 - 15:30	0.50	CS	6	50PRRC	RIG DOWN POWER SWIVEL.
04/30/2003	15:30 - 19:30	4.00	CS	4	50PRRC	COOH & LAYDOWN 2-7/8" DP & SETTING TOOL-TRIP IN AND LAYDOWN 3-1/2" DC'S.
	19:30 - 20:00	0.50	CM	z	80CMPL	SDON.
	07:00 - 07:30	0.50	CM	c	80CMPL	SAFETY MEETING-PRIOR TO STARTING OPERATIONS-SICP 850 PSIG.
	07:30 - 09:00	1.50	CM	6	80CMPL	RIG UP TO RUN 2-3/8" TBG.
	09:00 - 12:30	3.50	CM	q	80CMPL	RU BLUE JET PERFORATORS-PT LUBRICATOR T/850 PSIG (OK). GIH & PERFORATE FRUITLAND COAL INTERVALS: 3384-3388', 3400-3406', 3408-3413', 3419-3432', 3513-3517', 3519-3524', 3568-3573', & 3628-3640'KB @ 4 SPF TOTAL 216' (0.75" DIAMETER) HOLES. RD PERFORATORS.
	12:30 - 13:30	1.00	WC	8	80CMPL	PT #1 & #2 (2-3/8") PIPE RAMS T/ 200 PSIG -3MIN & 850 PSIG -10MIN (OK).
	13:30 - 16:00	2.50	CM	4	80CMPL	TALLY & RABBIT IN HOLE A TOTAL OF 115 JTS (3590.82') 2-3/8" 4.7 PPF J-55 EUE 8RD TBG W/ 2-3/8" X 1.81" FN RUN 1-JT ABOVE CHECK. LAND TBG W/ 2-3/8" X 7-1/16" TBG HGR W/ BPV. EOT @ 3602KB FN @ 3569'KB.
	16:00 - 18:00	2.00	WC	e	80CMPL	ND BOPE & NU 2-1/16" MASTER VALVE.

## Operations Summary Report

Legal Well Name: SAN JUAN 32-8 UNIT FRUITLA 000229A  
 Common Well Name: SAN JUAN 32-8 FRUITLAND #229A UNIT  
 Event Name: Original Completion Start: 03/07/2003 End: 04/30/2003  
 Contractor Name: KEY FOUR CORNERS Rig Release: 04/30/2003 Group:  
 Rig Name: KEY ENERGY Rig Number: 940

Date	From - To	Hours	Code	Subco	Phase	Description of Operations
04/30/2003	18:00 - 18:15	0.25	WC	8	80CMPL	PT MASTER VALVE ASSEMBLY T/3000 PSIG-10MIN (OK).
	18:15 - 19:30	1.25	CM	5	80CMPL	PUMP 5 BBLs PRODUCED WATER AHEAD, DROP EXPENDABLE CHK BALL AND FOLLOW WITH AIR. PT TEST TBG STRING T/600 PSIG AND PUMP OFF EXPENDABLE CHECK @ 600 PSIG. BLOW WELL AROUND TO PIT AND RECOVERED 5 BBL SWEEP. VENT TBG AND CASING TO ATMOSPHERE.
05/01/2003	19:30 - 20:00	0.50	CM	z	80CMPL	SDON.
	09:00 - 09:30	0.50	CM	c	80CMPL	SAFETY MEETING-PRIOR TO STARTING OPERATIONS-SICP 850 PSIG & SITP 750 PSIG.
	09:30 - 10:00	0.50	CM	u	80CMPL	MONITOR WELL WHILE FLOWING UP THRU TBG TO PIT @ 1948 MCFD DAMP.
	10:00 - 18:30	8.50	CM	6	80CMPL	SI & SECURE WELL-RIG DOWN ALL AUXILIARY EQUIPMENT-LAYOVER AND INSPECT MAST-REPLACE ANTI-FALL DEVICE-RELEASE RIG @ 18:30, 04-30-2003. DROP FROM REPORT-TURN OVER TO PIPELINE & PRODUCTION OPERATIONS-"JOB COMPLETE".

Well Name: SAN JUAN 32-8 UNIT # 229AAPI #: 30-039-27254Spud Date: 13-Mar-03Spud Time: 0300TD Date: 15-Mar-03Rig Release Date: 16-Mar-03

7 1/16" 5M x 2 1/16" Tree Adapter/Cap

11" 3M x 7 1/16" 5M Tubing Head

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

**Surface Casing** Date set: 13-Mar-03Size 9 5/8 inSet at 221 ft # Jnts: 5Wt. 32.3 ppf Grade H-40Hole Size 13 1/2 inWash Out 100 %Est. T.O.C. SURFACE ftCsg Shoe 221 ftTD of surface 231 ftNotified BLM @ 1900 hrson 3/11/2003Notified NMOCD @ 1900 hrson 3/11/2003**Intermediate Casing** Date set: 16-Mar-02Size 7 in 82 jtsSet at 3359 ft 82 pupsWt. 20 ppf Grade J-55Hole Size 8 3/4 inWash Out 150 %Est. T.O.C. SURFACE ftCsg Shoe 3359 ftTD of intermediate 3361 ftNotified BLM @ 0850 hrs on 3/15/2003Notified NMOCD @ 0850 hrs on 3/15/2003**Production Liner** Date set: 28-Apr-03Size 5 1/2 in Connections: LTCBlank Wt. 15.5 ppfGrade J-55# Jnts: 7Hole Size 6 1/4 inPBDT 3640'Liner Shoe 3641'TD 3,641 ft**Surface Cement**Date cmt'd: 13-Mar-03Lead : 180sx 50/50/Poz w/2% Gel 5#/sxGilsonite, 3% CaCl2, 1/2 #/sx Flocele& .2% CFR-3 @ 13.5ppg & 1.32 cuft/sxDisplacement vol. & fluid.: 14Bumped Plug at: 1730Pressure Plug bumped: 450Returns during job: YESCMT Returns to surface: 16 BBLSFloats Held: Yes NoW.O.C. for 8 hrs (plug bump to drlg cmt)**Intermediate Cement**Date cmt'd: 16-Mar-03Lead : 385 sx Class B Cmt w/3%Econolite, 10 pps Gilsonite & 1/2 ppsFlocele @ 11.4 ppg & 2.90 cu/ft/sx.Tail : 100 sx 50/50/B/Poz Cmt w/2%Gel, 2% CaCl2, 5 pps Gilsonite & 1/4pps Flocele @ 13.5 ppg & 1.33 cuft/sxDisplacement vol. & fluid.: 130 FWBumped Plug at: 1500 HRSPressure Plug bumped: 1850Returns during job: YESCMT Returns to surface: 40 BBLSFloats Held: X Yes No**Liner Cement****UNCEMENTED LINER****COMMENTS:**Surface: DRILLED 13.5" HOLE TO GET CSG TO BOTTOM. NO FLOAT EQUIPMENT RAN. WELL SHUT-IN WITH 230 PSI.Intermediate: WASHED DOWN LAST 20' TO BOTTOM.Production: 6 1/8" ROTARY FLOAT SHOE RUN ON BOTTOM JOINT OF CASING  
TOP OF LINER @ 3319' W/ 40' OF 7" CASING OVERLAP**CENTRALIZERS:**Surface: 211', 138', 96', 55'.Total: 4Intermediate: 3349', 3282', 3207', 3124', 3042', 2960', 200'.TURBOLIZERS 2095', 2054', 2012'.Total: 10