Form 3160-4 . (August 1999)

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

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

EORM ADDDOVED

OMB NO. 1004-0137 Expires: November 30, 2000

WELL COMPLETION OR RECOMPLETION REPORT AND HOG 5. Lease Serial No. nmsf 079341 Oil Well Gas Well Dry 2 6. If Indian, Allottee or Tribe Name Other ☐ New Well ☐ Work Over ☐ Deepen ☐ Plug Back b. Type of Completion 7. Unit or CA Agreement Name and no. 070 Farmington, NM Name of Operator 8. Lease Name and Well No. /A CONOCOPHILLIPS CO. SAN JUAN 32 FEDERALI 202 Address 3.a Phone No. (Include area code) 9. API Well No. P.O. BOX 2197 WL3 4061 HOUSTON TX 77252 30-045-31614 Location of Well (Report location clearly and in accordance with Federal requirements) 5 10. Field and Pool, or Exploratory At Surface NESE 1885' FSL & 1285' FEL BASIN FRUITLAND COAL 11. Sec., T., R., M., on Block and At top prod. interval reported below Survey or Area I 22 32N 9W 12. County or Parish 13. State At total depth SAN JUAN **NEW MEXIC** 14. Date Spudded 15. Date T.D. Reached 16 Date Completed 17. Elevations (DF, RKB, RT, GL)* (**∑**|^>,D,& À X Ready to Frod 05/16/2003 05/19/2003 07/08/2003 6730 GL 18. Total Depth: MD 3593 19. Plug Back T.D.: MD 3568 Depth Bridge Plug Set: MD TVD 3593 TVD 3568 TVD . Type of Electric & Other Mechanical Logs Run (Submit copy of each) NONE Was well cored? X No Yes (Submit analysis) Was DST run? 🛛 No 🗀 Yes (Submit analysis) □ No 🏻 Yes (Submit copy) Directional Survey? 23. Casing and Liner Record (Report all strings set in well) No. of Sks. & Stage Cementer Slurry Vol. Cement Top* Amount Pulled Hole Size Size/Grade Top (MD) Bottom (MD) Wt. (#/ft.) Depth Type of Cement 12.25 9.625 32.3 0 233 160 0 8.75 20 3272 515 0 0 6.25 5.5 15.5 3258 3569 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 25. Producing Intervals Perforation Record Bottom Perforated Interval **Formation** Top Size No. Holes Perf. Status A)BASIN FRUITLAND 3304 3526 3304 - 3526 .75 204 open B)COAL <u>C)</u> D) Acid, Fracture, Treatment, Cement Squeze, Etc Depth Interval Amount and Type of Material 3304 - 3526 cavitated 28. Production - Interval A
Date First Test
Produced Date Tested Oil Gravity Corr. API Gas Gravity Production Method Water BBL Hours Tested Test Production Oil BBL Gas MCF 07/08/03 06/09/0324 0 2200 10 flowing 24 Hr. Well Status Choice Size Tbg. Press. Oil BBL Gas MCF Water BBL Gas : Oil Ratio PG ACCEPTED FOR RECORD Flwg. SI Production - Interval B Production Method 9 5 7003 Date First Test Date Hours Tested Test Production Oil Gravity Corr. API Oil BBL Gas Gravity Produced farminutur field office Choke Size 24 Hr. Tbg. Press Water BBL Gas : Oil Ratio Well Status Oil BBL Gas MCF Rate Flwg.

Date First Produced	ction - Inter	Hours	Test	Oil BBL	Gas MCF	Water	Oil Gravity Corr. API	Gas	Production Method	ů		
Produced	Date	Tested	Production	BBL	MCF	BBL		Gravity				
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status				
28c. Produ	ction - Inter	val D										
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	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	Well Status			
29. Disp		as <i>(Sold</i> ,	used for fuel	, vented,	etc.)		<u></u>					
70			(Include Aqu	ifoma).				21 Farmer	Ain (I and Mandaum			
Show tests,	all importa	nt zones o	r porsity and	contents	thereof: Co d, time tool	red intervals a	and all drill-stem and shut-in pressu	j	ation (Log) Markers			
Form	ation	Тор	Bottom		Desc	riptions, Con	tents, etc.		Name	Тор		
Zonom Descriptions, Contents, etc.								Meas. D				
		Ì				NACIAM	ŒNTO	730				
	ļ							OJO ALA	OJO ALAMO 2010			
								KIRTLA	ND	2030		
	ļ							FRUITLA	AND	3155		
								PICTURI	E CLIFFS	3530		
	}									}		
	ĺ											
	ļ		<u> </u>	1	····							
			plugging pro	•	in Emitla	nd Coal A	ttachad is the s	verant vvallba	re schematic and daily			
I III2 MCII	is a singi	e produ	cing nom	uic Das	III FIUIUAI	nu Coai. A	mached is the c	urrent wendo	re schematic and daily	summaries.		
33. Circle	enclosed att	achments	:									
1. Elec	ctrical/Mech	nanical Lo	gs (1 full set	req'd.)	2.	Geological Re	eport 3. DST	Report 4.	Directional Survey			
			ing and cem	- /		Core Analysis						
34. I hereb	y certify tha	at the fore	going and at	tached in	formation is	complete and	l correct as determi	ned from all avai	lable records (see attached	instructions)*		
		l. ===	OD 1 ** > -		211							
Name	(please prin	DEBO	ORAH M.	<u>ARBER</u> ∧^	RY		Title <u>REC</u>	<u>GULATORY</u>	ANALYST			
		!	()	//) a	here	4	Date 0	7/30/2003				
Signati	ure	work	M.			 	Date	115012005				
		word	<u> </u>			/			ully to make to any departr			

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Operations Summary Report

Legal Well Name:

SAN JUAN 32 FED 22 #1

000001A

Common Well Name: SAN JUAN 32 FED 22 # 1A FRUITLAND

Spud Date: 05/16/2003

Event Name:

Original Completion

Start: 05/13/2003 End:

Contractor Name:

KEY FOUR CORNERS

Rig Release: 06/12/2003

Group:

Rig Name

KEY ENERGY

Rig Name:	ŀ	KEY ENI	ERGY			Rig Number: 940
Date	From - To	Hours	Code	Subco	Phase	Description of Operations
05/23/2003	10:30 - 16:00	5.50	MV	1	00MMIR	SAFETY MEETING-PRIOR TO STARTING OPERATIONS. MIRU KEY 940.
	16:00 - 16:45	0.75	wc	e	80CMPL	SI 7" INTERMEDIATE CSG -0- PSIG-NIPPLE UP BOP.
	16:45 - 19:30	2.75		6	80CMPL	RU AUXILARY EQUIPMENT.
	19:30 - 19:45	0.25	СМ	z	80CMPL	SDON.
05/24/2003	07:00 - 07:30	0.50	СМ	С	80CMPL	SAFETY MEETING-PRIOR TO STARTING OPERATIONS.
						SHUT IN 7" CSG -0- PSIG-
		i				SHUT IN 9-5/8" X 7" CSG ANNULUS -0- PSIG
	07:30 - 10:30	3.00	СМ	6	80CMPL	RU BLOOIE LINE MUFFLERS-FLOOR & AUXILARY EQUIPMENT.
	10:30 - 11:15	0.75	СМ	z	80CMPL	RIG INSPECTION.
	11:15 - 12:00	0.75	wc	9	80CMPL	PT GROUND LINES T/200 PSIG -3MIN & 2000 PSIG-10 MIN (OK)-
						BREAK CIRCULATION THRU CHOKE MANIFOLD VIA KILL SPOOL &
						LOAD 7" CASING-
						NOTIFY: BLM OF PENDING CASING INTEGRITY TEST @ 21:00, 5-22-03-
						PERFORM CASING INTEGRITY TEST TO 650 PSIG - 30MIN (OK)
						BLEED DOWN TO 400 PSIG & PT BLIND RAMS / 7" CASING / CHOKE
						MANIFOLD INCREASE PRESSURE T/1800 PSIG - 15MIN (OK).
	12:00 - 13:00	1.00	СМ	6	80CMPL	SLIP, TALLY, & CALIPER 3-1/2" DC'S-
					Ī	SLIP & TALLY 2-7/8" DRILL PIPE.
	13:00 - 16:45	3.75	СМ	4	80CMPL	MU 6-1/4" STX-09C TRI-CONE INSERT BIT JETTED W/3-20'S SN:
					ļ	X63JH, W/3-1/2" REG BOX x 2-3/8"IF BOX BIT SUB BORED, TAPPED,
						AND CONTAINING A FLOAT VALVE, W/ 11-(3-1/2") DC'S W/ 2-3/8" IF
						PIN x 2-7/8" IF BOX X-O SUB TBHA 339.74'-GIH W/ A TOTAL OF 92
					•	JTS 2-7/8" IF DP CONTAINING A 2-7/8" OD X 1.875" ID F NIPPLE RUN
	40.45 47.45	0.50				1-JT ABOVE DC'S & TAG TOP OF CMT @ 3192'KB.
	16:45 - 17:15		CM	6	80CMPL	RIG UP POWER SWIVEL.
	17:15 - 17:45		CM WC	5	80CMPL	CIRCULATE HOLE W/ PRODUCED WATER.
	17:45 - 19:30	1./5	I WC	9	80CMPL	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
			ļ	ļ	Į	-15MIN (OK)
						PT STAND PIPE, KELLY HOSE, POWER SWIVEL, TIW VALVE, AIR
						WATER MANIFOLD, KILL LINES TO 2000 PSIG -10MIN (OK).
	19:30 - 20:00		СМ	z	80CMPL	SDON.
05/25/2003	10:00 - 13:00	3.00	RM	m	80CMPL	SAFETY MEETING-PRIOR TO STARTING OPERATIONS.
						SHUT IN 7" CSG -0- PSIG-
	40.00 40.45					RIG REPAIR: POWER SWIVEL OIL COOLER.
05/07/0000	13:00 - 13:15	0.25		Z	80CMPL	SDON.
05/27/2003	19:00 - 19:30	0.50	СМ	С	80CMPL	SAFETY MEETING-PRIOR TO STARTING OPERATIONS.
			ĺ			SHUT IN 7" CSG -0- PSIG-
	19:30 - 20:00	0.50	lwc	8	80CMPL	SHUT IN 9-5/8" X 7" CSG ANNULUS -0- PSIG
	19.30 - 20.00	0.50	**C	0	BUCIMPL	PT AIR & MIST PUMP LINES IN STAGES @ 300-500-1000-1450 PSIG
	20:00 - 20:30	0.50	СМ	5	80CMPL	(OK). UNLOAD 7" CASING @ 820 PSIG W/ AIR MIST.
	20:30 - 06:00	1	DR	9	80CMPL	DRILLOUT SOFT -HARD CMT F/ 3192-T/3228'KB FLOAT COLLAR.
	20.00	3.50			JOOINI L	CMT, GS @ 3272'KB & OPEN HOLE SECTION F/ 3275-T/3575'KB.
						COAL INTERVALS NET FEET BG GAS UNITS GAS UNITS
						INCREASE
						3304-3307' 3' 5 300
						3346-3349' 3' 220 391
				1		3351-3355' 4' 391
						3366-3371' 5' 250 355
ł		i	ŀ	l	1	1

Operations Summary Report

000001A

Legal Well Name:

SAN JUAN 32 FED 22 #1

Common Well Name: SAN JUAN 32 FED 22 # 1A FRUITLAND

Event Name: Original Completion

Spud Date: 05/16/2003 05/13/2003 End:

Contractor Name:

Start: Rig Release: 06/12/2003

Group:

Rig Name:

KEY FOUR CORNERS KEY ENERGY

Rig Name.	r	C CIVI	ERGI			rig indifibet.	940				
Date	From - To	Hours	Code	Subco	Phase		Descrip	tion of Ope	rations		
05/27/2003	20:30 - 06:00	9.50	DR	9	80CMPL	3372-3376'	4'			355	
00/21/2000		. 0.00				3381-3382'	1'	300	ı	300	
						3428-3429'	1'	300		317	
	į			l	ļ	3491-3497'	6'	300		413	
						3506-3511'	5'	330		480	
						3513-3516'	3'	000	,	480	
		!			,	3517-3525'	8'			480	
						3317-3323	0			460	,
								IET FEET OF			
						BASAL COAL INT					
					i	BRIGHT THINLY L		VERY GOOD	CLEAT	ING WITH	
	,				1	INTERSECTING P					
						MOSTLY SUB-BLO	OCKY, SUB-I	PLATY FAIR 1	ro goo	D CLEATE	D
05/28/2003	06:00 - 06:30	0.50	סח	1	50PRDR	SAFETY MEETING	S DRIOR TO	STADTING C	DEDATI	ONC	
03/26/2003	00.00 - 00.30	0.50	DK	'	SUPRER	SHUT IN 9-5/8" X				UNS.	
					İ	DRILLING OPEN I				DDTD W	140
				1	ļ	WOB @ 90 RPM'S					4-6
						ADDITIONAL COA			2 0FN IV	1131.	
					ŀ		FEET	- BGG UN	ITC	INCOLAC	25.040
	1				İ	UNITS	FEET	BGG UN	113	INCREAS	DE GAS
					ŀ	3584-3585' 1'	İ	449		505	
					į	TOTAL NET FEET				505	
						NO PICTURED CL			E/3525	35031VD	
			ŀ	1	ŀ	VERBAL APPROV					20.00
						5-27-2003).	AL TO SUK	SE F/ CHIE H	AKKADE	=14 (DF341 (G	y 09:00 ,
	06:30 - 17:15	10.75	СМ	1	80CMPL	R&R F/3562-3593	KR W/22 M	SCED AID &	12 RDU N	AIST.	
	00.50 - 17.15	10.75	Civi	1	COCIVIFE	RETURNS: 2 DOV			IZ DEN N	VIIOI	
1	}	1	}	1	\	99.9% COAL & VE					
	17:15 - 18:00	0.75	СМ	5	80CMPL	CIRCULATE & DR			TO FLO	W TEST	
	18:00 - 18:30	1	СМ	4	80CMPL	PULL UP INTO 7"		BOIL I MON	10110	WILSI.	
	18:30 - 19:30	I	CM	u	80CMPL	FLOW TEST THR					
	10.00 - 13.50	1.00	Olvi	1	COOM L			#'S PITOT	#'Q L	ISCFD /	
		:	Į.		Ì	CONSISTENCY	WANT OLD	#0 11101	# O IV		
						1	3.0	2	869	/ 50	~
						1	3.0 B.0	2		/ DR	
				1			8.0	2	869	/ DR	
			1			I .	8.0	2	869		
						RECORD ISIP @		~	503	, DK	•
	19:30 - 06:00	10.50	СМ	t	80CMPL	RECORD 1-HR SI		HR FOR NATI	URAI SI	IRGES	
	. 5.55	.0.50		-	300			5MIN 60MIN			DNG.
								510 580		1/2	11143.
	1					1		505 590	750	1/2	
	1							450 500	SIPBL		ви
				-		BLOW AROUND			OIF DC	, SIF	50
		1				ALLOW WELLBO			AGTI IDA	I BIHLDU	D
						RETURNS: 1/2 BU				E DOILDU	, -
05/29/2003	06:00 - 13:00	7.00	CM	t	80CMPL	SAFETY MEETIN				IONS	
33/23/2000	10.00	'.50	""		COOMIT	RECORD: 2+ HR			or LIVA!	iONO.	
			1	1		ľ		ISMIN 60MIN	I 120 M	N SHO	
			ļ			RETURNS:	min JUNNIN 4	POININ OOMIN	• 12U IVII	IN DETEC	
		[1	3n 350 4	450 <u>500</u>	650	000	114
-			ļ					450 500 290 370	650 595	900 N/A	1/4
						SUNGE #4	190 4	250 3/0	292	N/A	
				1							

Operations Summary Report

000001A

Legal Well Name:

SAN JUAN 32 FED 22 #1

Common Well Name: SAN JUAN 32 FED 22 # 1A FRUITLAND

Spud Date: 05/16/2003

Event Name:

Original Completion

Start: 05/13/2003 End:

Contractor Name:

KEY FOUR CORNERS

Rig Release: 06/12/2003

Group:

Rig Name:

KEY ENERGY

Date	From - To	Hours	Code	Subco	Phase	Description of Operations
05/29/2003	06:00 - 13:00	7.00	СМ	t	80CMPL	2-HANDFULS BLOW AROUND TO PIT AFTER SURGES- ALLOW WELLBORE TO VENT PRIOR TO NATURAL BUILDUP- RETURNS: 1/4 BUCKET / HR DOWN TO A COUPLE OF HANDFULS
	13:00 - 17:30	4.50	СМ	1	80CMPL	OF FINE TO FACE POWDER TYPE COAL. PERFORM AIR ASSIST SURGES #5-#8 T/900 PSIG W/ 5 BBL WATER PADS- RETURNS: UP T/1/4 BUCKET / HR VERY FINE COAL.
	17:30 - 18:00	0.50	СМ	4	80CMPL	GIH W/ 6-1/4" DRLG ASSEMBLY F/3255 -T/3366'KB.
	18:00 - 06:00	12.00	СМ	1	80CMPL	R&R F/3366-3499'KB W/ 2.2 MSCFD AIR & 12 BPH MIST RETURNS: 1-1/2 DOWN TO 1/4 BUCKET / HR 99.9% COAL & VERY LITTLE SHALE. TIGHT INTERVAL F/3492-T/3499'KB.
05/30/2003	06:00 - 11:45	5.75	СМ	1	80CMPL	SAFETY MEETING-PRIOR TO STARTING OPERATIONS. R&R F/ 3499-3530'-W/ 2.2 MSCFD AIR & 12 BPH MIST RETURNS: 1-1/2 DOWN TO 1/2 BUCKET / HR OF 1/2" DOWN TO VERY FINE COAL 99% COAL & 1% SHALE- NO NOTICEABLE WATER GAIN.
	11:45 - 12:00	0.25	СМ	5	80CMPL	DRY UP WELLBORE PRIOR TO FLOW TEST.
	12:00 - 12:30	0.50	СМ	4	80CMPL	PULL UP INTO 7" @ 3255'KB.
	12:30 - 13:30	1.00	СМ	u	80CMPL	FLOW TEST THRU 2" TIME CHOKE MANIFOLD #S PITOT #'S MSCFD / CONSISTENCY 15MIN 8.0 2 869 / DRY 30MIN 8.0 2 869 / DRY 45MIN 8.0 2 869 / DRY 60MIN 8.0 2 869 / DRY
	13:30 - 16:00	2.50	СМ	t	80CMPL	RECORD ISIP @ 45 PSIG. RECORD: 2+ HR FOR NATURAL SURGES 15MIN 30MIN 45MIN 60MIN 120 MIN RETURNS: SURGE #9 175 320 440 510 750 1/20TH BLOW AROUND TO PIT AFTER SURGE- RETURNS: COUPLE OF HANDFULS OF FINE TO FACE POWDER TYPE COAL.
	16:00 - 20:00	4.00	СМ	1	80CMPL	PERFORM AIR ASSIST SURGES #10-#12 T/1100 PSIG W/ 5 BBL WATER PADS- RETURNS: UP T/1/4 BUCKET / HR VERY FINE COAL.
	20:00 - 20:30	0.50	СМ	4	80CMPL	GIH W/ 6-1/4" DRLG ASSEMBLY F/3255 -T/3366'KB.
	20:30 - 06:00	9.50	СМ	1	80CMPL	R&R F/3366-3530'KB W/ 2.2 MSCFD AIR & 12 BPH MIST RETURNS: 1-1/2 BUCKETS / HR 98%COAL (1/2" DOWN TO GRITTY) & ~2% SHALE. NO NOTICEABLE WATER GAIN.
05/31/2003	06:00 - 15:30	9.50	СМ	1	80CMPL	SAFETY MEETING-PRIOR TO STARTING OPERATIONS. R&R F/ 3499-3530'-W/ 2.2 MSCFD AIR & 12 BPH MIST RETURNS: 1-1/2 DOWN TO 1/2 BUCKET / HR OF GRITTY (SIZE OF FRAC SAND) DOWN TO VERY FINE COAL 99% COAL & 1% SHALE- WELLBORE IN GOOD SHAPE. NO NOTICEABLE WATER GAIN.
	15:30 - 15:45 15:45 - 16:15		CM CM	5 4	80CMPL 80CMPL	DRY UP WELLBORE PRIOR TO FLOW TEST. PULL UP INTO 7" @ 3255'KB.

Operations Summary Report

000001A

Legal Well Name:

SAN JUAN 32 FED 22 #1

Common Well Name: SAN JUAN 32 FED 22 # 1A FRUITLAND

Spud Date: 05/16/2003

Event Name:

Original Completion

Start: 05/13/2003

Contractor Name:

KEY FOUR CORNERS

Rig Release: 06/12/2003

End: Group:

Rig Name:

KEY ENERGY

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Date	From - To	Hours	Code	Subco	Phase	Description of Operations
05/31/2003	16:15 - 17:15	1.00	СМ	u	80CMPL	FLOW TEST THRU 2"
						TIME CHOKE MANIFOLD #'S PITOT #'S MSCFD /
					}	CONSISTENCY
					1	15MIN 12.0 3 1065 / DRY
				1	1	30MIN 12.0 3 1065 / DRY
				1		45MIN 12.0 3 1065 / DRY
]		60MIN 12.0 3 1065 / DRY
						RECORD ISIP @ 50 PSIG.
	17:15 - 03:30	10.25	CM	t	80CMPL	RECORD: 2+ HR SIPBU'S FOR NATURAL SURGES
			1			15MIN 30MIN 45MIN 60MIN 120 MIN
					1	RETURNS:BUCKET/HR
						SURGE #13 280 365 465 520 640 1/4
					i	SURGE #14 230 275 475 530 750 1/4
			1			SURGE #15 230 390 500 575 700 1/2
						BLOW AROUND TO PIT AFTER SURGE-
						RETURNS: 1/4 UP TO 1/2 BUCKETS / HR OF FINE TO FACE POWDER TYPE COAL.
	03:30 - 04:00	0.50	CM	4	80CMPL	GIH W/ 6-1/4" DRLG ASSEMBLY F/3255 -T/3520'KB ~ 10' OF NEW
	05.50 - 04.00	0.50	Civi	7	COCIVIE	FILL.
	04:00 - 06:00	200	СМ	1	80CMPL	R&R F/3499-3530'KB W/ 2.2 MSCFD AIR & 12 BPH MIST
	0.00			1.		RETURNS: 3 BUCKETS / HR
				1		99% COAL (GRITTY) & ~1% SHALE.
			İ	ĺ		NO NOTICEABLE WATER GAIN.
06/01/2003	06:00 - 23:30	17.50	СМ	1	80CMPL	SAFETY MEETING-PRIOR TO STARTING OPERATIONS.
						R&R F/ 3499-3530'-W/ 2.2 MSCFD AIR & 12 BPH MIST
						RETURNS: 3 DOWN TO 1/2 BUCKET / HR OF GRITTY (SIZE OF
						FRAC SAND) W/ OCCASIONAL 3/8" TO 1/2" DIAMETER CHUNKS
					İ	97% COAL & 3% SHALE-
						WELLBORE IN GOOD SHAPE.
	00.00 00.45	0.05	214	l_	0001101	NO NOTICEABLE WATER GAIN.
	23:30 - 23:45	l	CM	5 4	80CMPL	DRY UP WELLBORE PRIOR TO FLOW TEST.
	23:45 - 00:30 00:30 - 01:30		CM CM	u	80CMPL 80CMPL	PULL UP INTO 7" @ 3255'KB. FLOW TEST THRU 2"
	00.30 - 01.30	1.00	Civi	ľ	OOCIVIEL	TIME CHOKE MANIFOLD #'S PITOT #'S MSCFD /
						CONSISTENCY
						15MIN 12.0 3.0 1065 / DRY
						30MIN 21.0 5.0 1304 / DRY
			İ			45MIN 21.0 5.0 1304 / DRY
		ŀ			İ	60MIN 21.0 5.0 1304 / DRY
						RECORD ISIP @ 55 PSIG.
	01:30 - 05:00	3.50	CM	t	80CMPL	RECORD: 2+SIPBU HR FOR NATURAL SURGE
						15MIN 30MIN 45MIN 60MIN 120 MIN
						RETURNS:BUCKET/HR
						SURGE #16 230 350 425 540 600 1/4
						BLOW AROUND TO PIT AFTER SURGE-
						RETURNS: 1/4 OF A BUCKET / HR OF FINE TO FACE POWDER
	05:00 - 06:00	1.00	СМ	1	80CMPL	TYPE COAL.
06/02/2003	06:00 - 10:00	1	CM	1	80CMPL	AIR ASSIST SURGE #17 W/ 5 BBL WATER PADS UP TO 1200 PSIG. SAFETY MEETING-PRIOR TO STARTING OPERATIONS.
00/02/2000	10.00	4.00	Civi	'	JOOGIVIEL	AIR ASSIST SURGE #17-#18 W/ 5 BBL WATER PADS UP TO 1200
		-				PSIG.
						RETURNS: 3/4 UP TO 1 BUCKET / HR OF FINE COAL.
	10:00 - 10:30	0.50	СМ	4	80CMPL	GIH W/ 6-1/4" DRLG ASSEMBLY F/3255-T/3494'KB.
1	1	1		,	1	

Operations Summary Report

Legal Well Name:

SAN JUAN 32 FED 22 #1 000001A

Common Well Name: SAN JUAN 32 FED 22 # 1A FRUITLAND

Spud Date: 05/16/2003

Event Name:

Original Completion

05/13/2003 Start:

End:

Contractor Name:

KEY FOUR CORNERS

Rig Release: 06/12/2003

Group:

Rig Name:

KEY ENERGY

ing mame.	'		LING			Ng Number, 340
Date	From - To	Hours	Code	Subco	Phase	Description of Operations
06/02/2003	10:30 - 06:00	19.50	СМ	1	80CMPL	R&R F/ 3494-3530'-W/ 2.2 MSCFD AIR & 12 BPH MIST
				1		RETURNS: 4 DOWN TO 1-1/2 BUCKETS / HR OF GRITTY (SIZE OF FRAC SAND) W/ OCCASIONAL 3/8" TO 1/2" DIAMETER CHUNKS
						97% COAL & 3% SHALE-
						WELLBORE IN GOOD SHAPE.
						NO NOTICEABLE WATER GAIN.
06/03/2003	06:00 - 20:00	14.00	СМ	1	80CMPL	SAFETY MEETING-PRIOR TO STARTING OPERATIONS.
						R&R F/ 3499-3530'-W/ 2.2 MSCFD AIR & 12 BPH MIST
						RETURNS:1-1/2 DOWN TO 3/4 OF A BUCKET / HR OF GRITTY (SIZE
				1		OF FRAC SAND) W/ OCCASIONAL 3/8" DIAMETER CHUNKS 99% COAL & 1% SHALE-
						WELLBORE IN GOOD SHAPE.
]				~1/2 BWPH WATER GAIN.
	20:00 - 20:15		СМ	5	80CMPL	DRY UP WELLBORE PRIOR TO FLOW TEST.
	20:15 - 21:00		СМ	4	80CMPL	PULL UP INTO 7" @ 3255'KB.
	21:00 - 22:00	1.00	СМ	u	80CMPL	FLOW TEST THRU 2"
						TIME CHOKE MANIFOLD #'S PITOT #'S MSCFD / CONSISTENCY
						15MIN 22.0 5.5 1454 / DAMP
						30MIN 24.0 6.0 1520 / DAMP
			}			45MIN
						60MIN 42.0 10.5 1991 / WET RECORD ISIP @ 60 PSIG.
	22:00 - 01:30	3.50	СМ	t	80CMPL	RECORD: 2+SIPBU HR FOR NATURAL SURGE
						15MIN 30MIN 45MIN 60MIN 120 MIN
						RETURNS:BUCKET/HR
						SURGE #19 270 360 420 450 510 1/4
						LOWER BUILDUP PRESSURE DUE TO LOADING UP W/ WATER.
						BLOW AROUND TO PIT AFTER SURGE- RETURNS: 1/4 OF A BUCKET / HR OF FINE TO FACE POWDER
						TYPE COAL.
	01:30 - 06:00	4.50	СМ	1	80CMPL	PERFORM AIR ASSIST SURGES W/ 5 BBL WATER PADS
	1		ļ ,			SURGE # PRESSURE RETURNS: BUCKET(S)/HR
						20 1200 1/2
						21 1200 3/4
						22 1200 3/4
06/04/2003	06:00 - 06:30	0.50	СМ	4	80CMPL	RETURNS: SOME GRITTY DOWN TO FACE POWDER TYPE COAL. SAFETY MEETING-PRIOR TO STARTING OPERATIONS.
				1.	000,111, 2	GIH W/ 6-1/4" DRLG ASSEMBLY F/3255-T/3528', ~2' FILL.
	06:30 - 06:00	23.50	СМ	1	80CMPL	R&R F/ 3499-3530'-W/ 2.2 MSCFD AIR & 12 BPH MIST
						RETURNS: 3-1/2 DOWN TO 2 BUCKETS / HR OF GRITTY (SIZE OF
				1		FRAC SAND) W/ OCCASIONAL 1/2" DIAMETER CHUNKS
						99% COAL & 1% SHALE-
						WELLBORE IN GOOD SHAPE.
06/05/2003	06:00 - 08:00	2 00	СМ	1	80CMPL	VERY LITTLE IF ANY NOTICEABLE WATER GAIN. SAFETY MEETING-PRIOR TO STARTING OPERATIONS.
00,00,=000	00.00	2.00	0		COONT E	R&R F/ 3499-3530'-W/ 2.2 MSCFD AIR & 12 BPH MIST
						RETURNS:2 DOWN TO 1 BUCKET / HR OF GRITTY (SIZE OF FRAC
	1					SAND) W/ OCCASIONAL 1/2" DIAMETER CHUNKS
						99% COAL & 1% SHALE-
						WELLBORE IN GOOD SHAPE.
						VERY LITTLE IF ANY NOTICEABLE WATER GAIN, PROBABLY
						EVAPORATING.
			ļ			

Operations Summary Report

Legal Well Name: SAN JUAN 32 FED 22 #1 000001A Common Well Name: SAN JUAN 32 FED 22 # 1A FRUITLAND

Event Name:

Original Completion

Start:

05/13/2003

Spud Date: 05/16/2003

Rig Release: 06/12/2003

End:

Contractor Name:

KEY FOUR CORNERS

Group:

Rig Name:

KEY ENERGY

Rig Name.				***************************************		Nig Number. 340
Date	From - To	Hours	Code	Subco	Phase	Description of Operations
06/05/2003	08:00 - 08:30	0.50	СМ	5	80CMPL	DRY UP WELLBORE PRIOR TO FLOWTEST.
	08:30 - 09:00	0.50		4	80CMPL	PULL UP INTO 7" CASING @ 3255"KB.
İ	09:00 - 10:00	1.00	СМ	u	80CMPL	FLOW TEST THRU 2"
ŀ			1			TIME CHOKE MANIFOLD #'S PITOT #'S MSCFD /
		ļ.				CONSISTENCY
						15MIN 27.0 6.5 1584 / DRY
		}			ļ	30MIN 33.0 8.0 1756 / DRY
				ļ		
,				1		45MIN 50.0 12.0 2148 / WET
				ĺ	}	60MIN 50.0 12.0 2148 / WET
1		المفال		l.		RECORD ISIP @ 65 PSIG.
i	10:00 - 13:00	3.00	CM	t	80CMPL	RECORD: 2+SIPBU HR FOR NATURAL SURGE
				}	1	15MIN 30MIN 45MIN 60MIN 120 MIN
İ					1	RETURNS:BUCKET/HR
				1		SURGE #23 300 360 400 420 565 COUPLE OF
						HANDFULS
1		ļ		1	1	LOWER BUILDUP PRESSURE DUE TO LOADING UP W/ WATER.
				<u> </u>		BLOW AROUND TO PIT AFTER SURGE-
				ĺ		RETURNS: COUPLE OF HANDFULS OF FINE TO FACE POWDER
					1	TYPE COAL.
	13:00 - 17:30	4.50	СМ	1	80CMPL	PERFORM AIR ASSIST SURGES W/ 5 BBL WATER PADS
	j				ļ	SURGE # PRESSURE RETURNS: BUCKET(S)/HR
		1				24 1200 1
				•		25 1050 1/2
						RETURNS: SOME GRITTY DOWN TO FACE POWDER TYPE COAL.
	17:30 - 18:15	0.75	СМ	4	80CMPL	GIH W/ 6-1/4" DRLG ASSEMBLY F/3255-T/3528', ~2' FILL.
	18:15 - 20:00	1.75	1	1	80CMPL	R&R F/ 3499-3530'-W/ 2.2 MSCFD AIR & 12 BPH MIST
	10110 20100		J	-		RETURNS:1 DOWN TO 1/2 BUCKET / HR OF GRITTY (SIZE OF
				1		FRAC SAND) W/ OCCASIONAL 1/2" DIAMETER CHUNKS
		1			1	99% COAL & 1% SHALE-
		}]	·	WELLBORE A LITTLE STICKY 3526-30'.
		ļ	•	ļ		VERY LITTLE IF ANY NOTICEABLE WATER GAIN.
	20:00 - 20:30	0.50	CM	4	80CMPL	PULL UP INTO 7" @ 3255'KB.
	ļ — - · · · · · · · · · ·	3.50	l .	t	80CMPL	_
	20:30 - 00:00	3.50	CM	1	BUCIVIFL	RECORD: 2+SIPBU HR FOR NATURAL SURGE
					Ì	15MIN 30MIN 45MIN 60MIN 120 MIN
						RETURNS:BUCKET/HR
		ļ	ļ	ļ		SURGE #26 400 500 520 540 580 1/4
						GOOD 30 MINUTE PRESSURE BUILD UP.
						BLOW AROUND TO PIT AFTER SURGE-
						RETURNS: 1/4 BUCKET / HR OF FINE TO FACE POWDER TYPE
				1.	L	COAL.
	00:00 - 06:00	6.00	СМ	1	80CMPL	PERFORM AIR ASSIST SURGES W/ 5 BBL WATER PADS
						SURGE # PRESSURE RETURNS: BUCKET(S)/HR
						27 900 3/4
						28 900 3/4
			1	ì		29 900 1
						RETURNS: MOSTLY GRITTY (FRAC SAND) TYPE COAL.
06/06/2003	06:00 - 06:30	0.50	СМ	4	80CMPL	SAFETY MEETING-PRIOR TO STARTING OPERATIONS
					1	GIH W/ 6-1/4" DRLG ASSEMBLY F/3255 & TAG @ 3304'KB, TOP OF
	1	1			1	FIRST COAL.
	06:30 - 06:00	23.50	СМ	1	80CMPL	R&R THRU BRIDGE @ 3304'KB-
						CONTINUE IN HOLE & F/3304' & R&R F/3499-T/3530'-
		1				W/ 2.2 MSCFD AIR & 12 BPH MIST
	1	1		1		RETURNS: 4 DOWN TO 1-1/2 BUCKETS / HR OF GRITTY (SIZE OF
						The state of the s
			,			

Operations Summary Report

Legal Well Name:

SAN JUAN 32 FED 22 #1 000001A

Common Well Name: SAN JUAN 32 FED 22 # 1A FRUITLAND

Spud Date: 05/16/2003

Event Name:

Original Completion

05/13/2003 Start:

Contractor Name:

KEY FOUR CORNERS

Rig Release: 06/12/2003

End: Group:

Rig Name:

KEY ENERGY

Date	From - To	Hours	Code	Subcc	Phase	Description of Operations
06/06/2003	06:30 - 06:00	23.50	СМ	1	80CMPL	FRAC SAND) W/ OCCASIONAL 1/2" DIAMETER CHUNKS 95% COAL & 5% SHALE-
						WELLBORE IN GOOD SHAPE.
06/07/2003	06:00 - 08:00	2.00	СМ	1	80CMPL	VERY LITTLE IF ANY NOTICEABLE WATER GAIN ~ 10-12 BPWD. SAFETY MEETING-PRIOR TO STARTING OPERATIONS.
00/01/2000	00.00 - 00.00	2.00	Olvi		COOM! E	R&R F/ 3499-3530'-W/ 2.2 MSCFD AIR & 12 BPH MIST RETURNS: 1-1/2 DOWN TO 1/2 BUCKET / HR OF GRITTY (SIZE OF
						FRAC SAND) W/ OCCASIONAL 3/8" DIAMETER CHUNKS
			Į	l		95% COAL & 5% SHALE-
						WELLBORE IN GOOD SHAPE.
	00.00 00.20	0.50	CNA	 -	0001401	VERY LITTLE IF ANY NOTICEABLE WATER GAIN ~10-12 BWPD.
	08:00 - 08:30 08:30 - 09:00	0.50 0.50		5 4	80CMPL 80CMPL	DRY UP WELLBORE PRIOR TO FLOWTEST. PULL UP INTO 7" CASING @ 3255'KB.
	09:00 - 10:00	1.00] u	80CMPL	FLOW TEST THRU 2"
						TIME CHOKE MANIFOLD #'S PITOT #'S MSCFD / CONSISTENCY
		ļ				15MIN 35.0 9.0 1865 / DRY
						30MIN 35.0 9.0 1865 / DRY
						45MIN 35.0 9.0 1865 / DRY
					ł	60MIN 35.0 9.0 1865 / DRY
	10:00 - 19:00	9.00	CM	t	80CMPL	RECORD ISIP @ 60 PSIG. RECORD: 2+SIPBU HR FOR NATURAL SURGE
	10.00 - 19.00	3.00	Civi	1	OUCIVIFL	15MIN 30MIN 45MIN 60MIN 120 MIN
						RETURNS:BUCKET/HR
]			SURGE #30 270 380 420 440 500 COUPLE OF	
						HANDFULS
						SURGE #31 280 380 440 460 500 COUPLE OF
	1			1		HANDFULS SURGE #32 340 420 455 460 520 1/4
						BLOW AROUND TO PIT AFTER SURGE-
						RETURNS: COUPLE OF HANDFULS OF FINE TO FACE POWDER
		\		}		TYPE COAL.
	19:00 - 23:30	4.50	СМ	1	80CMPL	PERFORM AIR ASSIST SURGES W/ 5 BBL WATER PADS
						SURGE # PRESSURE RETURNS: BUCKET(S)/HR
			}	}	l .	33 650 1/4 34 650 1/4
		1				35 650 1/4
						36 650 1/4
				ļ		RETURNS: SOME GRITTY DOWN TO FACE POWDER TYPE COAL.
	23:30 - 00:00		СМ	4	80CMPL	GIH W/ 6-1/4" DRLG ASSEMBLY F/3255-T/3528', ~2' FILL.
	00:00 - 06:00	6.00	CM	1	80CMPL	R&R F/ 3499-3530'-W/ 2.2 MSCFD AIR & 12 BPH MIST
				l		RETURNS:1 BUCKET / HR OF GRITTY (SIZE OF FRAC SAND) W/
						OCCASIONAL 1/4" DIAMETER CHUNKS 199% COAL & 1% SHALE-
						WELLBORE A LITTLE STICKY 3526-30'.
						VERY LITTLE IF ANY NOTICEABLE WATER GAIN.
06/08/2003	06:00 - 06:00	24.00	СМ	1	80CMPL	SAFETY MEETING-PRIOR TO STARTING OPERATIONS.
						R&R F/ 3499-3530'-W/ 2.2 MSCFD AIR & 12 BPH MIST
				+	1	RETURNS: 4 DOWN TO 1 BUCKET / HR ON SWEEPS OF GRITTY
						(SIZE OF FRAC SAND) W/ OCCASIONAL 3/8" DIAMETER CHUNKS 95-97% COAL & 5-3% SHALE-
						WELLBORE IN GOOD SHAPE.
İ						VERY LITTLE IF ANY NOTICEABLE WATER GAIN ~10-12 BWPD.
			1			

Operations Summary Report

Legal Well Name:

SAN JUAN 32 FED 22 #1 000001A

Common Well Name: SAN JUAN 32 FED 22 # 1A FRUITLAND

Event Name:

Start:

Spud Date: 05/16/2003 05/13/2003

End:

Contractor Name:

Original Completion KEY FOUR CORNERS

Rig Release: 06/12/2003

Group:

Rig Name:

KEY ENERGY

Date	From - To	Hours	Code	Subco	Phase	Description of Operations
06/09/2003	.06:00 - 08:30	2.50	СМ	1	80CMPL	SAFETY MEETING-PRIOR TO STARTING OPERATIONS. R&R F/ 3499-3530'-W/ 2.2 MSCFD AIR & 12 BPH MIST RETURNS: 1 DOWN TO 1/2 BUCKET / HR ON SWEEPS OF GRITTY (SIZE OF FRAC SAND) W/ OCCASIONAL 3/8" DIAMETER CHUNKS 95-97% COAL & 5-3% SHALE- WELLBORE IN GOOD SHAPE. VERY LITTLE IF ANY NOTICEABLE WATER GAIN ~10 BWPD.
	08:30 - 09:00	0.50	1	5	80CMPL	DRY UP WELLBORE PRIOR TO FLOW TEST.
	09:00 - 09:30 09:30 - 11:00	0.50 1.50		4 u	80CMPL 80CMPL	PULL UP INTO 7" @ 3255'KB.
	00.00	1.00			OCCINII 2	TIME CHOKE MANIFOLD #'S PITOT #'S MSCFD / CONSISTENCY
						15MIN
			ļ			30MIN
						60MIN 50.0 12.5 2200 / DRY
		Ì				90MIN 50.0 12.5 2200 / DRY
		ļ	ļ			STABILIZED A DRY FLOW RATE @ 50 PSIG.
	11:00 - 11:30	0.50		4	80CMPL	GIH W/ 6-1/4" DRLG ASSEMBLY & TAG @ 3526'KB, 4' FILL.
	11:30 - 19:00	7.50	СМ	1	80CMPL	R&R F/ 3499-3530'-W/ 2.2 MSCFD AIR & 12 BPH MIST
						RETURNS: 1/2 DOWN TO 1/4 BUCKET / HR ON SWEEPS OF
				1		GRITTY (SIZE OF FRAC SAND) W/ OCCASIONAL1/4" DIAMETER CHUNKS
			:			95-97% COAL & 5-3% SHALE-
]	WELLBORE IN GOOD SHAPE.
					Ì	VERY LITTLE IF ANY NOTICEABLE WATER GAIN ~10 BWPD.
	19:00 - 23:45	4.75	СМ	5	80CMPL	CLEANOUT 6-1/4" RATHOLE SECTION F/3530-3562'KB-PBTD
				1		W/ 2.2 MMSCFD AIR & 12 BPH MIST CONTAINING 1/2 GAL
	02:45 00:00	6.25	-	_	0001101	POLYMER / 10 BBLS PRODUCED WATER-
	23:45 - 06:00	6.25		Z	80CMPL	UNABLE TO CLEANOUT AFTER MAKING CONNECTION @ 3562'KB-SIW-
			:			EQUALIZE PRESSURE FOR 15 MINUTES T/ 350-360 PSIG AND WORK STUCK PIPE-
	1					ABLE TO ROTATE AND SLOWLY DRILL BACK UP F/ 3562-T/3542'
06/10/2003	06:00 - 11:00	5.00	Ei	z	80CMPL	WITHOUT ESTABLISHING CIRCULATION.
00/10/2003	00.00 - 11.00	3.00		2	OUCIVIFL	SAFETY MEETING-PRIOR TO STARTING OPERATIONS. PERIODICALLY EQUALIZE PRESSURE (CASING & DRILL PIPE) FOR
						15-20 MINUTES T/ 350-360 PSIG AND WORK STUCK PIPE-
						ABLE TO ROTATE AND SLOWLY DRILL BACK UP F/ 3542-T/3530'
						WITHOUT ESTABLISHING CIRCULATION W/ 2250 FT-LBS OF
						TORQUE AND F/10 - T/40K OVERPULL.
	144.00 04.00	40.00	014		0001451	"TIGHT HOLE SHALE / SILTSTONE SECTION 3536-42'KB"
	11:00 - 21:00	10.00	CM	1	80CMPL	R&R F/ 3499-3562'PBTD (TIGHT HOLE F/3536-3542'KB)-
						W/ 2.2 MSCFD AIR & 12-6 BPH MIST RETURNS: 2 DOWN TO 1/2 BUCKET / HR ON SWEEPS OF GRITTY
						(SIZE OF FRAC SAND) W/ OCCASIONAL 1/4" DIAMETER CHUNKS
						95-97% COAL & 5-3% SHALE-
						WELLBORE IN GOOD SHAPE ABOVE 3526'KB.
						VERY LITTLE IF ANY NOTICEABLE WATER GAIN ~10 BWPD.
	21:00 - 22:30		СМ	4	80CMPL	SHORT TRIP INTO 7" @ 3255', AND BACK DOWN T/3526'-LAYDOWN X-TRA DRILL PIPE.
	22:30 - 23:00	1	СМ	6	80CMPL	HANG BACK POWER SWIVEL.
	23:00 - 04:00	5.00	СМ	4	80CMPL	COOH W/ DRLG ASSEMBLY.

Operations Summary Report

Legal Well Name:

SAN JUAN 32 FED 22 #1 000001A

Common Well Name: SAN JUAN 32 FED 22 # 1A FRUITLAND

Spud Date: 05/16/2003

Event Name:

Original Completion

05/13/2003 Start:

End:

Contractor Name:

KEY FOUR CORNERS

Rig Release: 06/12/2003

Group:

Rig Name:

KEY ENERGY

Date	From - To	Hours	Code	Subce	Phase	Description of Operations
06/10/2003 06/11/2003		2.00 2.00		6	80CMPL 50PRRC	RU TO RUN 5-1/2" LINER. SAFETY MEETING-PRIOR TO STARTING OPERATIONS- BREAK OUT BIT SUB & 6-1/4" BIT GRADED 1-1-WT-A-F-I-NO-TD RU TO RUN 5-1/2" LINER. MU 5-1/2" X 7" BAKER SLPR HYDRAULIC LINER HANGER ON #1 JOINT OF DRILL PIPE. MU 6-1/4" RR BIT SN: 69085T & FLOAT SUB ON 1ST JOINT OF
	08:00 - 08:30 08:30 - 10:00	0.50 1.50	wc cs	8 4	50PRRC 50PRRC	CASING. PT 5-1/2" PIPE RAMS TO 200 PSI-3MIN & 400 PSIG-10 MIN (OK). GIH W/ 5-1/2" 15.5 PPF J-55 LT&C CASING / LINER AS FOLLOWS: 6-1/4" STX-09 RR BIT SN: 69085T 0.60' 3-1/2 REG X 5-1/2" LTC BIT SUB W/ FLOAT 1.35' 7- JTS 5-1/2" CASING 306.45'
						SLPR HYDRAULIC LINER HANGER W/ STEEL SLEEVE 3.75' TOTAL LINER ASSEMBLY 312.15' GIH W/ TOTAL OF 95 JTS 2-7/8" DRILLPIPE T/3262'KB, 7" SHOE @ 3272'KB.
	10:00 - 10:30 10:30 - 12:45	0.50 2.25	1	6 z	50PRRC 50PRRC	RU POWER SWIVEL. DRILL DOWN LINER THRU SHALE / SILTSTONE BRIDGESF/3526-T/3569'KB- W/ 1.1 MSCFD W/ 12 BPH AIR MIST @ 350 PSIG. DRILL DOWN THRU 6-1/4" RATHOLE SECTION T/ 3569'KB PUMP 10 BBLS PRODUCED FRUITLAND COAL WATER AHEAD-DROP SETTING BALL-DISPLACE W/ 20 BBLS WATER-SET & RELEASE HYDRAULIC HANGER W/ 2500 PSIG. TOP OF LINER @ 3258'KB PBTD @ 3568'KB. 6-1/4" BIT @ 3569'KB.
	12:45 - 13:15 13:15 - 18:00	0.50 4.75		5	50PRRC 50PRRC	PICK UP OFF OF LINER HANGER 5' AND CIRCULATE 7" CASING CLEAN W AIR MIST. COOH & LAYDOWN DRILL PIPE & SETTING TOOL-
	18:00 - 19:00		СМ	6	80CMPL	TRIP IN & LAYDOWN 3-1/2" DRILL COLLARS. RIG DOWN POWER SWIVEL & MANUAL TONGS- RU TO PERFORATE &TO RUN 2-7/8" TBG.
00/40/0000	19:00 - 19:30	1	СМ	z	80CMPL	SDON.
06/12/2003	07:00 - 07:15 07:15 - 11:00	ŀ	СМ	q	80CMPL	SAFETY MEETING-PRIOR TO STARTING OPERATIONS- SICP 480 PSIG-SI 7" X 9-5/8" CASING ANNULUS TSTM. RU BLUE JET PERFORATORS-
	11:00 - 11:30	0.50	wc	8	80CMPL	PT LUBRICATOR T/480 PSIG (OK) VERIFY 5-1/2" X 7" LINER TOP @ 3258', & PBTD @ 3568'KB - GIH & PERFORATE Kfc INTERVALS: 3518-3526', 3515-3517', 3506-3513', 3491-3498', 3428-3431',3381-3383' 3374-3378', 3366-3372', 3352-3356', 3346-3350', & 3304-3308'KB @ 4SPF TOTAL OF 204 (90 DEG) PHASED HOLES- RD PERFORATORS. PT 2-7/8" PIPE RAMS TO 200 PSIG-3MIN & 480 PSIG-10 MIN (OK).
	11:30 - 14:30	3.00	СМ	4	80CMPL	GIH W/ 19.87' X 2-7/8" MUD ANCHOR, 6.06' X 2-7/8" PERF SUB, W/ 0.8' x 2-7/8" OD X 2.25" ID BAKER PROFILE NIPPLE W/ BP, W/ 117

Page 10 of 10

Operations Summary Report

Legal Well Name:

SAN JUAN 32 FED 22 #1 000001A

Common Well Name: SAN JUAN 32 FED 22 # 1A FRUITLAND

Spud Date: 05/16/2003

Event Name:

Original Completion

Start: 05/13/2003 End:

Contractor Name:

KEY FOUR CORNERS

Rig Release: 06/12/2003

Group:

Rig Name:

KEY ENERGY

Rig Number: 940

Date.	From - To	Hours	Code	Subco	Phase	Description of Operations
06/12/2003	11:30 - 14:30	3.00	СМ	4	80CMPL	JTS 2-7/8" EUE 8RD 6.5 PPF J-55 TBG MEASURING (3499.32') & LAND TBG W/ 2-7/8" EUE 8RD X 7-1/16" TBG HGR CONTAINING A BPV EOT @ 3536.1'KB PERF SUB 3510-3516'KB
	14:30 - 16:00 16:00 - 16:30 16:30 - 17:30	1.50 0.50 1.00	wc	e 8 f	80CMPL 80CMPL 80CMPL	FN @ 3509.37'KB. ND BOPE & NU 2-9/16" MASTER VALVE ASSEMBLY. PT MASTER VALVE ASSEMBLY T/3000 PSIG -10 MIN (OK). RU B&R SERVICE SLICKLINE- PT LUBRICATOR TO 450 PSIG- GIH W/ EQUALIZING PROBE & PUNCTURE RUPTURE DISC- ROUNDTRIP & PULL BP IN FN @ 3509'KB-
06/13/2003	17:30 - 19:00 19:00 - 19:15 07:00 - 07:15	1.50 0.25 0.25	CM CM	u z c	80CMPL 80CMPL 80CMPL	RD SLICKLINE & SECURE WELL. FLOW TBG & CASING TO ATMOSPHERE WHILE RIGGING DOWN. SDON. SAFETY MEETING-PRIOR TO STARTING OPERATIONS-
	07:15 - 12:00	4.75	СМ	6	80CMPL	RD & RELEASE RIG @ 12:00, 6-12-2003- T/SJ 32 FEDERAL 21 #2A DROP FROM REPORT-TURN OVER TO PRODUCTION OPERATIONS-"JOB COMPLETE".
		2				

Printed: 06/18/2003 9:19:53 AM