

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**

5. Lease Serial No.  
NMSF078460

1a. Type of Well <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input checked="" type="checkbox"/> Other: CBM			6. If Indian, Allottee or Tribe Name		
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 _____			7. Unit or CA Agreement Name and No.		
2. Name of Operator CONOCOPHILLIPS COMPANY			Contact: JUANITA FARRELL E-Mail: juanita.r.farrell@conocophillips.com		
3. Address P O BOX 2197 WL 6106 HOUSTON, TX 77252			3a. Phone No. (include area code) Ph: 505.599.3419		
4. Location of Well (Report location clearly and in accordance with Federal requirements) At surface Sec 17 T32N R7W Mer NMP SESE 660FSL 660FEL At top prod interval reported below At total depth			9. API Well No. 30-045-32465-00-S1		
14. Date Spudded 09/23/2004			15. Date T.D. Reached 11/13/2004		
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod 12/03/2004			17. Elevations (DF, KB, RT, GL)* 6573 GL		
18. Total Depth: MD 3508 TVD 3508			19. Plug Back T.D.: MD 3449 TVD 3449		
20. Depth Bridge Plug Set: MD TVD			21. Type Electric & Other Mechanical Logs Run (Submit copy of each) MUDLOG		
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 Cement Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12.250	9.625 H-40	32.3	0	230		150		0	15
8.750	7.000 J-55	20.0	0	3095		500		0	25
6.250	5.500 J-55	15.5	3001	3451		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	3408							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) FRUITLAND COAL	3166	3428	3166 TO 3428	0.750	252	OPEN
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material

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
12/03/2004	11/30/2004	1	→	0.0	3311.0	1.0			GAS PUMPING UNIT
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
2" PITOT	SI	25.0	→	0	79464	24		GSI	

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
			→						
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

**ACCEPTED FOR RECORD**

DEC 20 2004

**FARMINGTON FIELD OFFICE**

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

ELECTRONIC SUBMISSION #51841 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

**NMOCD**

## 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	832		NACIMIENTO	796
NACIMIENTO	832	2220		OJO ALAMO	2196
OJO ALAMO	2220	2280		KIRTLAND	2346
				FRUITLAND	3046

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

This well is a single well producing from the Basin Fruitland Coal. Attached is the Wellbore Schematic and the Daily Summaries.

## 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 #51841 Verified by the BLM Well Information System.  
For CONOCOPHILLIPS COMPANY, sent to the Farmington  
Committed to AFMSS for processing by ADRIENNE BRUMLEY on 12/20/2004 (05AXB0522SE)

Name (please print) JUANITA FARRELL

Title AUTHORIZED REPRESENTATIVE

Signature (Electronic Submission)

Date 12/13/2004

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 \*\* REVISED \*\***

## END OF WELL SCHEMATIC

Well Name: San Juan 32-7 # 245A

API #: 30-045-32465

Location: 660' FSL &amp; 660' FEL

Sec. 17 - T32N - R7W

San Juan County, NM

Elevation: 6573' GL (above MSL)

Drl Rig RKB: 13' above Ground Level

Datum: Drl Rig RKB = 13' above GL

Note - this well is equipped with rods &amp; pump

7-1/16" 3M x 2-3/8" EUE 8rd Bonnet

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

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

Spud: 23-Sep-04

Release Drl Rig: 27-Sep-04

Move In Cav Rig: 8-Nov-04

Date TD Reached: 12-Nov-04

Release Cav Rig: 2-Dec-04

**Surface Casing** Date set: 23-Sep-04

Size 9 5/8 in  
Set at 230 ft # Jnts: 5  
Wt. 32.3 ppf Grade H-40  
Hole Size 12 1/4 in Conn STC  
Excess Cmt 125 %  
T.O.C. SURFACE

Csg Shoe 230 ft

TD of 12-1/4" hole 240 ft

Notified BLM @ 21:00 hrs on 21-Sep-04

Notified NMOCD @ 21:00 hrs on 21-Sep-04

**Intermediate Casing** Date set: 26-Sep-04

Size 7 in 71 jts  
Set at 3095 ft 0 pups  
Wt. 20 ppf Grade J-55  
Hole Size 8 3/4 in Conn STC  
Excess Cmt 160 % Top of Float Collar 3049 ft  
T.O.C. SURFACE Bottom of Casing Shoe 3095 ft  
Pup @ TD of 8-3/4" Hole 3101 ft  
Pup @ ft

Notified BLM @ 06:30 hrs on 25-Sep-04

Notified NMOCD @ 06:30 hrs on 25-Sep-04

**Production Liner** Date set: 30-Nov-04

Size 5 1/2 in  
Nominal Wt. 15.5 ppf  
Grade J-55 Connections: LTC  
# Jnts: 10  
Hole Size 6.25 / 9.5 inches  
Underreamed 6-1/4" hole to 9.5" from 3105' to 3508'  
Top of Liner 3001 ft  
PBDT 3449 ft  
Bottom of Liner 3451 ft

☒ New  
☐ Used

☒ New  
☐ Used

☒ New  
☐ Used
**Surface Cement**

Date cmt'd: 23-Sep-04

Lead: 150 sx Class G Cement

+ 2% BWOC S001 CaCl2

+ 0.25 lb/sx D130 Cellophane Flakes

1.16 cuft/sx, 174 cuft slurry at 15.8 ppg

Displacement: 15.0 bbls fresh wtr

Bumped Plug at: 18:45 hrs w/ 360 psi

Final Circ Press: 240 psi @ 3.5 bpm

Returns during job: YES

CMT Returns to surface: 15 bbls

Floats Held: No floats used

W.O.C. for 6.00 hrs (plug bump to start NU BOP)

W.O.C. for 8.00 hrs (plug bump to test csg)

**Intermediate Cement**

Date cmt'd: 26-Sep-04

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

2.61 cuft/sx, 1044 cuft slurry at 11.7 ppg

Tail: 100 sx 50/50 POZ: Class G cement

+ 2% D020 Bentonite

+ 2% S001 Calcium Chloride

+ 5 lb/sx D024 Gilsonite

+ 0.25 lb/sx D029 Cellophane Flakes

+ 0.1% D046 Antifoam

1.27 cuft/sx, 127 cuft slurry at 13.5 ppg

Displacement: 132 bbls

Bumped Plug at: 19:45 hrs w/ 500 psi

Final Circ Press: 250 psi @ 3.5 bpm

Returns during job: YES

CMT Returns to surface: 25 bbls

Floats Held: ☒ Yes ☐ No**UNCEMENTED LINER**

Schematic prepared by:

Steven O. Moore, Drilling Engineer

13-Dec-2004

This well was cavitated.

The liner got stuck 57' off bottom

TD 3,508 ft

**COMMENTS:**

9-5/8" Surf:	No float equipment was run. Ran a guide shoe and an aluminum baffle plate 1 jt above the guide shoe @ 190'. Displaced top wiper plug with water. Shut in casing head and WOC before backing out landing jt. CENTRALIZERS @ 225', 147', 103', & 59'. Total: 4
7" Intermediate	DISPLACED W/ 2132 BBLs. FRESH WATER. CENTRALIZERS @ 3090', 3004', 2918', 2840', 2754', 2668', 168', 86', 43'. TURBOLIZERS @ 2322', 2279', 2236', 2193'. Total: 9 Total: 3
5.5" Liner	30-Nov-04: Ran 6-1/4" bit and bit sub with float valve on btm of liner. Ran liner w/ TIW H-Latch Drop Off Tool (no liner hanger).
Perforations	01-Dec-04: Perforated 5-1/2" liner with guns on E-line at 4 spf, 0.75" diameter, 120 degree phased holes Perfs: 3166'-3174', 3176'-3184', 3186'-3194', 3197'-3202', 3206'-3216', 3221'-3236', 3411'-3416', 3424'-3428'. TOTAL SHOTS = 252.
Tubing	01-Dec-04: Ran 2-7/8" EUE x Orange Peeled Bottom Mud Anchor w/ 8 ea 1/4" slots cut @ 2' and 14' below the upset, 2-7/8" EUE x 2-3/8" EUE crossover, 2-3/8" OD (1.78" ID) F-Nipple, 1 ea 8" x 2-3/8" OD pup jt + 107 jts 2-3/8" 4.7# J-55 EUE 8rd tubing. EOT / Btm of Mud Anchor at 3408'. 2-3/8" OD x 1.78" ID F-Nipple at 3377'.
Pump & Rods	02-Dec-04: Ran 1" OD x 10 ft long dip tube attached below insert pump with 3 ea 25' x 1-1/4" OD sinker bars on top of pump 131 ea 3/4" OD rods, spaced out with 2' - 4' - 6' - 8' Pony Rods & 1 ea 1-1/4" OD x 22' polished rod Set pump in F-Nipple at 3377' MD RKB

**CONOCOPHILLIPS CO**  
**Operations Summary Report**

Page 1 of 11

Legal Well Name: SAN JUAN 32-7 UNIT 245A  
Common Well Name: SAN JUAN 32-7 UNIT 245A  
Event Name: COMPLETION  
Contractor Name: KEY ENERGY SVCS  
Rig Name: KEY 22

Start: 11/8/2004  
Rig Release: 12/2/2004  
Rig Number: 22  
Spud Date: 9/22/2004  
End: 12/3/2004  
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
11/9/2004	14:00 - 17:00	3.00	MOVE	MOB	COMPZN	SAFETY MEETING PRIOR TO STARTING OPERATIONS- MI KEY 22 & SPOT AUXILARY EQUIPMENT- "LONG MOVE"
	17:00 - 17:30	0.50	WELLPR	OPNW	COMPZN	SDON.
11/10/2004	08:00 - 11:30	3.50	WELLPR	OTHR	COMPZN	SAFETY MEETING PRIOR TO STARTING OPERATIONS- LOCATION CONDITIONS TOO MUDDY/SLICK TO RIG UP
	11:30 - 12:00	0.50	WELLPR	OPNW	COMPZN	SDON.
11/11/2004	07:00 - 09:30	2.50	WELLPR	OTHR	COMPZN	SAFETY MEETING PRIOR TO STARTING OPERATIONS- RIG UP UNIT.
						"MORNING MUDDY LOCATION CONDITIONS"
	09:30 - 10:30	1.00	WELCTL	NUND	COMPZN	NU BOPE.
	10:30 - 17:30	7.00	WELLPR	RURD	COMPZN	RU AUXILARY EQUIPMENT, BLOOEI LINES, POWER LINES, PUMP, PIT, TIOGA-
						SLIP DRILL PIPE & DC'S-
	17:30 - 18:00	0.50	WELLPR	OPNW	COMPZN	SDON.
11/12/2004	07:00 - 09:00	2.00	WELLPR	SFTY	COMPZN	SAFETY MEETING PRIOR TO STARTING OPERATIONS- RU MISC EQUIPMENT-
						RIG INSPECTION AND CORRECTIONS.
	09:00 - 12:30	3.50	WELCTL	BOPE	COMPZN	PT BLIND RAMS/ 7" CASING-200 PSIG-10 MIN
						PERFORM CASING INTEGRITY TEST T/1800 PSIG-30MIN (OK)
						"BLM REPRESENTATIVE OSCAR TORRES WITNESS TEST"
	12:30 - 17:00	4.50	WELLPR	RURD	COMPZN	SLIP, TALLY, & CALIPER DC'S-
						SLIP & TALLY 2-7/8" AOH DRILL PIPE-
						MU 6-1/4" RR HP-43 TRI-CONE INSERT BIT (SN X885), JETTED W/
						3-20'S W/ 3-1/2" REG BOX x 2-3/8" IF BOX BIT SUB BORED, TAPPED,
						AND CONTAINING A FLOAT VALVE, W/ 14-(3-1/2") DC'S-TBHA 424.1,
						W/ 2-3/8" IF X 2-7/8" AOH X-O SUB, W/ 1- JOINT 2-7/8" AOH DRILL
						PIPE, W/ 2-7/8" AOH X 1.875" ID F NIPPLE, W/ TOTAL OF 83 JTS
						2-7/8" DRILL PIPE T/ T/3024'KB, TOC.
	17:00 - 18:00	1.00	EVALWB	CIRC	COMPZN	CIRCULATE WELLBORE CLEAN W/ Kfc PRODUCED WATER.
	18:00 - 19:30	1.50	WELCTL	BOPE	COMPZN	PT #2 PIPE RAMS CHOKE MANIFOLD / 7" CASING T/200 PSIG -10
						MIN & 1800 PSIG -20MIN (OK)
						PT #1 PIPE RAMS & HCR VALVES T/200 PSIG-10MIN & 1800
						PSIG-15MIN (OK)
						ISOLATE AND CHECK DRILL PIPE FLOAT VALVE (OK)-
						PT STANDPIPE / KELLY HOSE / POWER SWIVEL / & 2-7/8" TIW
						VALVE T/ 1500 PSIG-10 MIN (OK) .
						UNABLE TO PT MIST PUMP LEAKING HEAD GASKET.
	19:30 - 23:00	3.50	RIGMNT	wOEQ	COMPZN	RD AIR LINES-
						WAIT ON, X-O, & RIG UP MIST PUMP
	23:00 - 00:30	1.50	WELCTL	BOPE	COMPZN	PT AIR LINES & MIST PUMP T/1500 PSIG (OK).
	00:30 - 01:30	1.00	EVALWB	CIRC	COMPZN	UNLOAD 2-7/8" X 7" ANNULUS W/ AIR MIST @ 1275 PSIG-
						MIST PUMP THREW DRIVE BELT.
	01:30 - 06:00	4.50	RIGMNT	wOEQ	COMPZN	WAIT ON MIST PUMP PARTS.
11/13/2004	06:00 - 16:00	10.00	RIGMNT	wOEQ	COMPZN	SAFETY MEETING PRIOR TO STARTING OPERATIONS- X-O MIST PUMP.
						"MUDDY ROAD & LOCATION CONDITIONS"
	16:00 - 23:30	7.50	DRILL	DRLG	PROD1	BREAK CIRCULATION W/ 1500 CFM AIR & 6 BPH MIST CONTAINING
						1 GAL F-450 FOAMER & 1/4 GAL CORROSION INHIBITOR / 10 BBLS
						PRODUCED Kfc WATER@ ~500 PSIG-
						DRILLING CMT/FC @ 3048'KB/ CMT/ GS @ 3095' / 8-3/4" OH
						F/3095-3101'KB-
						DRILLING 6-1/4" OPEN HOLE SECTION F/3101 - T/ 3508'KB-

## Operations Summary Report

Legal Well Name: SAN JUAN 32-7 UNIT 245A  
 Common Well Name: SAN JUAN 32-7 UNIT 245A  
 Event Name: COMPLETION  
 Contractor Name: KEY ENERGY SVCS  
 Rig Name: KEY 22

Spud Date: 9/22/2004  
 Start: 11/8/2004 End: 12/3/2004  
 Rig Release: 12/2/2004 Group:  
 Rig Number: 22

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
11/13/2004	16:00 - 23:30	7.50	DRILL	DRLG	PROD1	W/ 6K WOB @ 70-80 RPM'S @ 1100-1400 FT-LBS OF TORQUE- COAL INTERVALS    NET FEET OF COAL    MAX GAS UNITS 3165-3170'                    (5')                    100 3176-3185'                    (9')                    967 3186-3193'                    (7')                    700 3197-3202'                    (5')                    750 3221-3236'                    (15')                    725 3412-3414'                    (2')                    620 3424-3428'                    (4')                    670  TOTAL NET FEET OF COAL 47'.
	23:30 - 02:00	2.50	EVALWB	CIRC	PROD1	PICTURED CLIFFS TOP @ 3429'KB. "NO SHOW" R&R @ 3508TD, PBTD W/ 1500 CFM & 6 BBL / HR MIST RATE W/ ABOVE CHEMICALS @ 500 PSIG- RETURNS: WATER/FINES 1-1/2+ DOWN T/ 1/4 OF A BUCKET / HR OFF MUD LOGGER SAMPLER VALVE OF COFFEE GROUNDS SIZE OF COAL.
	02:00 - 03:30	1.50	EVALFM	CIRC	PROD1	DRY UP WELLBORE W/ 1500 CFM AIR @ 380#s- 2 GALS / 1MIN = ~60-70 BWPD.
	03:30 - 04:00	0.50	RPCOMP	TRIP	PROD1	SHORT TRIP UP INTO 7" @ 3086'KB.
	04:00 - 05:00	1.00	EVALFM	PRDT	PROD1	FLOW TEST THRU 2" TIME    CHOKE MANIFOLD #S    PITOT #S    MSCFD / CONSISTENCY 15MIN                    8                    2.0                    869    /    DRY 30MIN                    10                    2.5                    970    /    DRY 45MIN                    10                    2.5                    970    /    DRY 60MIN                    10                    2.5                    970    /    DAMP
	05:00 - 06:00	1.00	EVALFM	SIPB	PROD1	SIPBU ISIP 15MIN 30MIN 45MIN 60MIN 22 305 420 470 495
	06:00 - 07:00	1.00	EVALFM	SIPB	COMPZN	SAFETY MEETING PRIOR TO STARTING OPERATIONS- NATURAL SURGE #1 W/ 495 PSIG- RETURNS: LITE AMOUNT OF COAL FINES.
	07:00 - 13:30	6.50	RPCOMP	TRIP	PROD1	SAFETY MEETING PRIOR TO STARTING OPERATIONS- SHORT TRIP F/ 3086 - T/3500'KB, 8' OF FILL AFTER SURGE #1- PULL UP INTO 7" @3086'KB- RD POWER SWIVEL- REVIEW DERRICK RESCUE AND FALL PROTECTION- COOH W/ 6-1/4" DRLG ASSEMBLY - MU 5-7/8" X 9.5" BAKER OIL TOOLS UNDER-REAMER W/ (ROLLER CUTTERS), W/ 16/32" INCH JET W/ SHOCK SUB, W/ 14-(3-1/2") DC'S,- GIH W/ BHA W/ 2-7/8" AOH DRILL PIPE W/ 1.875" ID "F" NIPPLE RUN 1-JT ABOVE DRILL COLLARS T/3105'KB, 7" SHOE @ 3095'KB. RU POWER SWIVEL.
	13:30 - 02:00	12.50	DRILL	REAM	PROD1	BREAK CIRCULATION & UNDER-REAM @ 650+ PSIG W/ 1500 CFM AIR & 10 BPH MIST- F/3105-3508'KB,PBTD W/ 700-1500-FT-LBS OF TORQUE, W/ ~4K WOB @ 80+ RPM'S.
	02:00 - 03:30	1.50	EVALFM	CIRC	PROD1	CIRCULATE & CLEANUP WELLBORE PRIOR TO PULLING UNDER-REAMER.
	03:30 - 04:00	0.50	RPCOMP	TRIP	PROD1	SHORT TRIP UP INTO 7" @ 3086'KB.
11/14/2004	06:00 - 07:00	1.00	EVALFM	SIPB	COMPZN	SAFETY MEETING PRIOR TO STARTING OPERATIONS- NATURAL SURGE #1 W/ 495 PSIG- RETURNS: LITE AMOUNT OF COAL FINES.
	07:00 - 13:30	6.50	RPCOMP	TRIP	PROD1	SAFETY MEETING PRIOR TO STARTING OPERATIONS- SHORT TRIP F/ 3086 - T/3500'KB, 8' OF FILL AFTER SURGE #1- PULL UP INTO 7" @3086'KB- RD POWER SWIVEL- REVIEW DERRICK RESCUE AND FALL PROTECTION- COOH W/ 6-1/4" DRLG ASSEMBLY - MU 5-7/8" X 9.5" BAKER OIL TOOLS UNDER-REAMER W/ (ROLLER CUTTERS), W/ 16/32" INCH JET W/ SHOCK SUB, W/ 14-(3-1/2") DC'S,- GIH W/ BHA W/ 2-7/8" AOH DRILL PIPE W/ 1.875" ID "F" NIPPLE RUN 1-JT ABOVE DRILL COLLARS T/3105'KB, 7" SHOE @ 3095'KB. RU POWER SWIVEL.
	13:30 - 02:00	12.50	DRILL	REAM	PROD1	BREAK CIRCULATION & UNDER-REAM @ 650+ PSIG W/ 1500 CFM AIR & 10 BPH MIST- F/3105-3508'KB,PBTD W/ 700-1500-FT-LBS OF TORQUE, W/ ~4K WOB @ 80+ RPM'S.
	02:00 - 03:30	1.50	EVALFM	CIRC	PROD1	CIRCULATE & CLEANUP WELLBORE PRIOR TO PULLING UNDER-REAMER.
	03:30 - 04:00	0.50	RPCOMP	TRIP	PROD1	SHORT TRIP UP INTO 7" @ 3086'KB.

## Operations Summary Report

Legal Well Name: SAN JUAN 32-7 UNIT 245A

Common Well Name: SAN JUAN 32-7 UNIT 245A

Event Name: COMPLETION

Contractor Name: KEY ENERGY SVCS

Rig Name: KEY 22

Start: 11/8/2004

Rig Release: 12/2/2004

Rig Number: 22

Spud Date: 9/22/2004

End: 12/3/2004

Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
11/14/2004	04:00 - 05:00	1.00	EVALFM	PRDT	PROD1	FLOW TEST THRU 2" TIME CHOKES MANIFOLD #S PITOT #S MSCFD / CONSISTENCY 15MIN 10 2.5 970 / DRY 30MIN 12 3.0 1065 / DRY 45MIN 12 3.0 1065 / DAMP 60MIN 12 3.0 1065 / WET
	05:00 - 06:00	1.00	EVALFM	SIPB	PROD1	SIPBU ISIP 15MIN 30MIN 45MIN 60MIN 26 360 440 480 500
11/15/2004	06:00 - 07:00	1.00	EVALFM	SIPB	COMPZN	SAFETY MEETING PRIOR TO STARTING OPERATIONS- BLEED WELL SLOWLY DOWN TO PIT AFTER SIPBU.
	07:00 - 12:00	5.00	RPCOMP	TRIP	COMPZN	RD POWER SWIVEL- REVIEW DERRICK RESCUE AND FALL PROTECTION- COOH W/ & LAYDOWN URR- GIH W/6-1/4" DRLG ASSEMBLY T/3086'KB- RU POWER SWIVEL.
	12:00 - 20:00	8.00	EVALFM	OTHR	COMPZN	PERFORM 500-700-900/1100 STAGED PRESSURE- W/ 3-GAL FOAMER AHEAD & W/ INCREMENTAL WATER PADS AIR ASSIST HYDRAULIC SURGES #2-5 SURGE BRK/OVR TIME TO BUILD WTR RETURNS: # DPP SICP SURGE / MIN VOL-Bbls BUCKETS/HR 2 1000 900 60 30 CLEAN 3 1000 900 60 30 CLEAN 4 1000 1000 60 40 1/2- FACE POWDER 5 1400 1100 60 40 1/2- FACE POWDER
	20:00 - 20:45	0.75	RPCOMP	TRIP	COMPZN	SURGE #2-5 RETURNS: CLEAN UP T/ 1/2 OF A BUCKET / HR OF FACE POWDER TYPE OF COAL.
11/16/2004	20:45 - 06:00	9.25	EVALWB	CIRC	COMPZN	GIH W/ DRLG ASSEMBLY F/3086 & TAG BRIDGE @ 3221'KB. R&R F/3221 - T/3430'KB R&R DEPTH- BRIDGES @ 3221', 3412', & 3424'KB- W/ 1500-750-1500 CFM AIR W/ 6 BPH MIST CONTAINING 1-GAL F-450 FOAMER, W/ 1/4 GAL CORROSION INHIBITOR & /10 BBLs PRODUCED WATER @ 400-200-450 PSIG- RETURNS: INITIAL UP T/4 DOWN T/2+ BUCKETS / HR OFF MUD LOGGER SAMPLER VALVE OF OCCASIONAL 1/2"+ CHUNKS DOWN T/ COFFEE GROUNDS SIZE OF (COAL 99%, ~1% SHALE).
	06:00 - 11:30	5.50	EVALFM	CIRC	COMPZN	SAFETY MEETING PRIOR TO STARTING OPERATIONS- R&R F/3400 - T/3430'KB R&R DEPTH- W/ 1500 CFM AIR W/ 6 BPH MIST CONTAINING 1-GAL F-450 FOAMER, W/ 1/4 GAL CORROSION INHIBITOR & /10 BBLs PRODUCED WATER @ 450 PSIG- RETURNS: 1+ DOWN 1< BUCKET / HR OFF MUD LOGGER SAMPLER VALVE OF COFFEE GROUNDS DOWN T/ FACE POWDER SIZE OF (COAL 99%, ~1% SHALE).
	11:30 - 12:00	0.50	RPCOMP	TRIP	COMPZN	PULL UP INTO 7" @ 3086'KB.
	12:00 - 19:30	7.50	EVALFM	OTHR	COMPZN	PERFORM 500-700-1050 STAGED PRESSURE- W/ 3-GAL FOAMER AHEAD & W/ INCREMENTAL WATER PADS AIR ASSIST HYDRAULIC SURGES #6-8 SURGE BRK/OVR TIME TO BUILD WTR RETURNS:

## Operations Summary Report

Legal Well Name: SAN JUAN 32-7 UNIT 245A  
 Common Well Name: SAN JUAN 32-7 UNIT 245A  
 Event Name: COMPLETION  
 Contractor Name: KEY ENERGY SVCS  
 Rig Name: KEY 22

Start: 11/8/2004  
 Rig Release: 12/2/2004  
 Rig Number: 22  
 Spud Date: 9/22/2004  
 End: 12/3/2004  
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
11/16/2004	12:00 - 19:30	7.50	EVALFM	OTHR	COMPZN	# DPP SICP SURGE / MIN VOL-Bbls BUCKETS/HR 6 1000 750 60 40 DIRTY BLACK WATER 7 1200 1050 75 40 HEAVY, 3-4+ 8 1250 1000 90 40 XTRA-HEAVY, LOOKED LIKE A STREAM OF BLACK TAR  SURGE #6-8 RETURNS: DIRTY WATER UP T/ 4+ BUCKETS / HR OF LARGE CHUNKS DOWN T/FACE POWDER TYPE OF COAL. GIH W/ DRLG ASSEMBLY F/3086 & TAG BRIDGE @ 3165'KB, TOP COAL. R&R F/3165 - T/3180'KB- AFTER BREAKING THRU BRIDGE @ 3176'KB, WELL UNLOADED HEAVY AMOUNTS OF COAL- W/ 1500 CFM AIR W/ 6 BPH MIST CONTAINING 1-GAL F-450 FOAMER, W/ 1/4 GAL CORRIOSION INHIBITOR & /10 BBLS PRODUCED WATER @ 425 PSIG- RETURNS: INITIAL UP T/6+ DOWN T/2 BUCKETS / HR OFF MUD LOGGER SAMPLER VALVE OF OCCASIONAL 1/2"++ CHUNKS DOWN T/ COFFEE GROUNDS SIZE OF (COAL 99%, ~1% SHALE).
	19:30 - 20:15	0.75	RPCOMF	TRIP	COMPZN	
	20:15 - 06:00	9.75	EVALWB	CIRC	COMPZN	R&R F/3165 - T/3180'KB- AFTER BREAKING THRU BRIDGE @ 3176'KB, WELL UNLOADED HEAVY AMOUNTS OF COAL- W/ 1500 CFM AIR W/ 6 BPH MIST CONTAINING 1-GAL F-450 FOAMER, W/ 1/4 GAL CORRIOSION INHIBITOR & /10 BBLS PRODUCED WATER @ 425 PSIG- RETURNS: INITIAL UP T/6+ DOWN T/2 BUCKETS / HR OFF MUD LOGGER SAMPLER VALVE OF OCCASIONAL 1/2"++ CHUNKS DOWN T/ COFFEE GROUNDS SIZE OF (COAL 99%, ~1% SHALE).
11/17/2004	06:00 - 11:30	5.50	EVALFM	CIRC	COMPZN	SAFETY MEETING PRIOR TO STARTING OPERATIONS- R&R F/3165 - T/3243'KB UPPER COALS' R&R DEPTH- W/ 1500 CFM AIR W/ 6 BPH MIST CONTAINING 1-GAL F-450 FOAMER, W/ 1/4 GAL CORRIOSION INHIBITOR & /10 BBLS PRODUCED WATER @ 425 PSIG- RETURNS: 2 DOWN 1< BUCKET / HR OFF MUD LOGGER SAMPLER VALVE OF COFFEE GROUNDS SIZE OF (COAL 99%, ~1% SHALE). PULL UP INTO 7" @ 3086'KB. PERFORM 500-700-1000 STAGED PRESSURE- W/ 3-GAL FOAMER AHEAD & W/ INCREMENTAL 10 BBL WATER PADS AIR ASSIST PADED SURGES #9-10 SURGE BRK/OVR TIME TO BUILD WTR RETURNS: # DPP SICP SURGE / MIN VOL-Bbls BUCKETS/HR 9 1250 1000 90 40 HEAVY 10 1200 1000 48 20 HEAVY, BRIDGING OFF  SURGE #9-10 RETURNS: DIRTY WATER UP T/ 4+ BUCKETS / HR OF LARGE CHUNKS DOWN T/COFFEE GROUNDSType OF COAL. GIH W/ DRLG ASSEMBLY F/3086 & CIRCULATE EACH JOINT DOWN T/ 3165'KB, TOP COAL. R&R F/3165 - T/3180'KB- WELL UNLOADED HEAVY AMOUNTS OF COAL- W/ ALTERNATING 1500 DOWN T/ 750 CFM AIR W/ 6 BPH MIST CONTAINING 1-GAL F-450 FOAMER, W/ 1/4 GAL CORRIOSION INHIBITOR & /10 BBLS PRODUCED WATER @ 425-250 PSIG- RETURNS: INITIAL UP T/5+ DOWN T/3+ BUCKETS / HR OFF MUD LOGGER SAMPLER VALVE OF OCCASIONAL 1/2"++ CHUNKS DOWN T/ COFFEE GROUNDS SIZE OF (COAL 99%, ~1% SHALE).
	11:30 - 12:00	0.50	RPCOMF	TRIP	COMPZN	
	12:00 - 19:00	7.00	EVALFM	OTHR	COMPZN	
	19:00 - 20:00	1.00	RPCOMF	TRIP	COMPZN	
	20:00 - 06:00	10.00	EVALWB	CIRC	COMPZN	R&R F/3165 - T/3180'KB- WELL UNLOADED HEAVY AMOUNTS OF COAL- W/ ALTERNATING 1500 DOWN T/ 750 CFM AIR W/ 6 BPH MIST CONTAINING 1-GAL F-450 FOAMER, W/ 1/4 GAL CORRIOSION INHIBITOR & /10 BBLS PRODUCED WATER @ 425-250 PSIG- RETURNS: INITIAL UP T/5+ DOWN T/3+ BUCKETS / HR OFF MUD LOGGER SAMPLER VALVE OF OCCASIONAL 1/2"++ CHUNKS DOWN T/ COFFEE GROUNDS SIZE OF (COAL 99%, ~1% SHALE).
11/18/2004	06:00 - 02:00	20.00	EVALFM	CIRC	COMPZN	SAFETY MEETING PRIOR TO STARTING OPERATIONS- R&R F/3165 - T/3243'KB UPPER COALS' R&R DEPTH- W/ 1500 -750 CFM AIR W/ 6 BPH MIST CONTAINING 1-GAL F-450

## Operations Summary Report

Legal Well Name: SAN JUAN 32-7 UNIT 245A  
 Common Well Name: SAN JUAN 32-7 UNIT 245A  
 Event Name: COMPLETION  
 Contractor Name: KEY ENERGY SVCS  
 Rig Name: KEY 22

Spud Date: 9/22/2004  
 End: 12/3/2004  
 Start: 11/8/2004  
 Rig Release: 12/2/2004  
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
11/18/2004	06:00 - 02:00	20.00	EVALFM	CIRC	COMPZN	FOAMER, W/ 1/4 GAL CORRISSION INHIBITOR & /10 BBLS PRODUCED WATER @ 425-250 PSIG- RETURNS: 3+ DOWN 1< BUCKET / HR OFF MUD LOGGER SAMPLER VALVE OF COFFEE GROUNDS SIZE OF (COAL 99%, ~1% SHALE).
	02:00 - 03:00	1.00	RPCOMP	TRIP	COMPZN	PULL UP INTO 7" @ 3086'KB.
	03:00 - 04:00	1.00	EVALFM	PRDT	COMPZN	FLOW TEST THRU 2"
						TIME CHOK MANIFOLD #S PITOT #S MSCFD / CONSISTENCY
						15MIN 30 7.5 1702 / DRY 30MIN 32 8.0 1756 / DRY 45MIN 32 8.0 1756 / DRY 60MIN 32 8.0 1756 / DRY
11/19/2004	04:00 - 06:00	2.00	EVALFM	SIPB	COMPZN	SIPBU ISIP 15MIN 30MIN 45MIN 60MIN 90 MIN 2HR 72 380 460 500 500 500 520
	06:00 - 08:30	2.50	EVALFM	SIPB	COMPZN	SAFETY MEETING PRIOR TO STARTING OPERATIONS- 2HR SIPBU 520 PSIG- BLEED WELL DOWN T/ 500 PSIG- PERFORM NATURAL SURGE #11 W/ 500# BLOW AROUND W/ AIR MIST- RETURNS: LIGHT AMOUNT OF COAL FINES.
	08:30 - 16:00	7.50	EVALFM	OTHR	COMPZN	PERFORM 500-700-1000 STAGED PRESSURE- W/ 3-GAL FOAMER AHEAD & W/ INCREMENTAL 10 BBL WATER PADS AIR ASSIST PADED SURGES #12-13
						SURGE BRK/OVR TIME TO BUILD WTR RETURNS: # DPP SICP SURGE / MIN VOL-Bbls BUCKETS/HR 12 1400 1000 90 40 LIGHT 13 1450 1000 105 40 HEAVY
						SURGE #12-13 RETURNS: DIRTY WATER UP T/ 6+ BUCKETS / HR OF LARGE CHUNKS DOWN T/ COFFEE GROUNDS TYPE OF COAL, BRIDGED OFF IN 7".
11/20/2004	16:00 - 06:00	14.00	EVALWB	CIRC	COMPZN	R&R F/3095 - T/3180'KB- WELL UNLOADED HEAVY AMOUNTS OF COAL- W/ ALTERNATING 1500 DOWN T/ 750 CFM AIR W/ 6 BPH MIST CONTAINING 1-GAL F-450 FOAMER, W/ 1/4 GAL CORRISSION INHIBITOR & /10 BBLS PRODUCED WATER @ 425-250 PSIG- RETURNS: INITIAL UP T/ 6+ DOWN T/ 2+ BUCKETS / HR OFF MUD LOGGER SAMPLER VALVE OF OCCASIONAL 1/2" CHUNKS DOWN T/ COFFEE GROUNDS SIZE OF (COAL 99%, ~1% SHALE).
	06:00 - 06:00	24.00	EVALWB	CIRC	COMPZN	SAFETY MEETING PRIOR TO STARTING OPERATIONS- R&R F/3165 - T/3210'KB- W/ ALTERNATING 1500 DOWN T/ 750 CFM AIR W/ 6 BPH MIST CONTAINING 1-GAL F-450 FOAMER, W/ 1/4 GAL CORRISSION INHIBITOR & /10 BBLS PRODUCED WATER @ 450-275 PSIG- RETURNS: 2-3+ BUCKETS / HR OFF MUD LOGGER SAMPLER VALVE OF MOSTLY COFFEE GROUNDS SIZE OF (COAL 99%, ~1% SHALE).
11/21/2004	06:00 - 09:00	3.00	EVALWB	CIRC	COMPZN	SAFETY MEETING PRIOR TO STARTING OPERATIONS- R&R F/3180 - T/3210'KB- W/ ALTERNATING 750 UP T/ 1500 CFM AIR W/ 6 BPH MIST CONTAINING 1-GAL F-450 FOAMER, W/ 1/4 GAL CORRISSION



# CONOCOPHILLIPS CO

## Operations Summary Report

Page 6 of 11

Legal Well Name: SAN JUAN 32-7 UNIT 245A  
 Common Well Name: SAN JUAN 32-7 UNIT 245A  
 Event Name: COMPLETION  
 Contractor Name: KEY ENERGY SVCS  
 Rig Name: KEY 22

Spud Date: 9/22/2004  
 Start: 11/8/2004 End: 12/3/2004  
 Rig Release: 12/2/2004 Group:  
 Rig Number: 22

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
11/21/2004	06:00 - 09:00	3.00	EVALWB	CIRC	COMPZN	INHIBITOR & /10 BBLS PRODUCED WATER @ 275-450 PSIG- RETURNS:2+ BUCKETS / HR OFF MUD LOGGER SAMPLIER VALVE OF MOSTLY COFFEE GROUNDS SIZE OF (COAL 99%, ~1%SHALE).
	09:00 - 09:30	0.50	RPCOMP	TRIP	COMPZN	TROUBLE W/ MIST PUMP- PULL UP INTO 7" CSG @ 3086'KB.
	09:30 - 19:30	10.00	RIGMNT	woEQ	COMPZN	WAIT ON & CHANGE OUT MIST PUMPS. SNOWY / MUDDY LOCATION & ACCESS ROAD CONDITIONS. RU AIR LINES- PT AIR / MIST PUMP LINES T/ 1400 PSIG (OK).
	19:30 - 06:00	10.50	EVALWB	CIRC	COMPZN	CIRCULATE DOWN F/ 3086-T/ 3180'KB R&R F/3180 - T/3210'KB- TIGHT SPOT 3200-3210'KB. W/ ALTERNATING 1500 DOWN T/ 750 CFM AIR W/ 6 BPH MIST CONTAINING 1-GAL F-450 FOAMER,W/ 1/4 GAL CORRISION INHIBITOR & /10 BBLS PRODUCED WATER @ 450-250 PSIG- RETURNS:3+ DOWN T/ 1+ BUCKETS / HR OFF MUD LOGGER SAMPLIER VALVE OF MOSTLY COFFEE GROUNDS SIZE OF (COAL 99%, ~1%SHALE).
11/22/2004	06:00 - 06:00	24.00	EVALWB	CIRC	COMPZN	SAFETY MEETING PRIOR TO STARTING OPERATIONS- R&R F/3180 - T/3360'KB- "NOTICED AN INCREASE IN COAL RETURNS AFTER DROPPING BELOW 3236'KB, WELL'S PRODUCTIVITY IS HELPING A CONSIDERABLE AMOUNT IN CARRYING THE CUTTINGS OUT" W/ 1500 CFM AIR W/ 8-10 BPH MIST CONTAINING 1-GAL F-450 FOAMER,W/ 1/4 GAL CORRISION INHIBITOR & /10 BBLS PRODUCED WATER @ 500 PSIG- RETURNS:F/2+ UP 4+ DOWN T/3+ BUCKETS / HR OFF MUD LOGGER SAMPLIER VALVE OF MOSTLY COFFEE GROUNDS SIZE OF (COAL 99%, ~1%SHALE).
11/23/2004	06:00 - 14:15	8.25	EVALWB	CIRC	COMPZN	SAFETY MEETING PRIOR TO STARTING OPERATIONS- R&R 3330-3428'- CLEANOUT RATHOLE SECTION F/3428 - T/3508'KB, PBTD- W/ 1500 CFM AIR W/ 8-10 BPH MIST CONTAINING 1-GAL F-450 FOAMER,W/ 1/4 GAL CORRISION INHIBITOR /10 BBLS PRODUCED WATER @ 500 PSIG- RETURNS:F/3+DOWN T/ 1+ BUCKETS / HR OFF MUD LOGGER SAMPLIER VALVE OF MOSTLY COFFEE GROUNDS SIZE OF (COAL 99%, ~1%SHALE).
	14:15 - 15:15	1.00	EVALFM	PRDT	COMPZN	DRY UP WELLBORE W/ 1500 CFM AIR- 1 GAL/20 MIN = 103 BWPD.
	15:15 - 15:45	0.50	RPCOMP	TRIP	COMPZN	PULL UP INTO 7" @ 3086'KB.
	15:45 - 17:00	1.25	EVALFM	PRDT	COMPZN	FLOW TEST THRU 2"
						TIME CHOK MANIFOLD #S PITOT #S MSCFD / CONSISTENCY
						15MIN 60 15 2416 / WET
						30MIN 80 20 2863 / WET
						45MIN 90 22.5 3087 / WET
						60MIN 90 22.5 3087 / WET
	17:00 - 18:00	1.00	WELLPR	woOR	COMPZN	WAIT ON ORDERS.
	18:00 - 01:45	7.75	EVALFM	SIPB	COMPZN	SIPBU
						SURGE # ISIP 15MIN 30MIN 45MIN 60MIN 75MIN
						14 120 405 440 480 500
						15 160 420 445 460 500

# CONOCOPHILLIPS CO

## Operations Summary Report

Page 7 of 11

Legal Well Name: SAN JUAN 32-7 UNIT 245A  
Common Well Name: SAN JUAN 32-7 UNIT 245A  
Event Name: COMPLETION  
Contractor Name: KEY ENERGY SVCS  
Rig Name: KEY 22

Start: 11/8/2004  
Rig Release: 12/2/2004  
Rig Number: 22

Spud Date: 9/22/2004  
End: 12/3/2004  
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
11/23/2004	18:00 - 01:45	7.75	EVALFM	SIPB	COMPZN	16 200 440 460 460 480 500 17 200 440 460 470 480 500 PERFORM NATURAL SURGES W/ 500# RETURNS: LIGHT AMOUNT OF COAL FINES
	01:45 - 06:00	4.25	EVALWB	CIRC	COMPZN	CLEANOUT F/3165 - T/3428'KB,- TAG BRIDGES @ 3165', 3234', & 3418' R&R 3400-3428' (STICKY 3418-3428')- W/ 1500 CFM AIR W/ 8-10 BPH MIST CONTAINING 1-GAL F-450 FOAMER, W/ 1/4 GAL CORRISSION INHIBITOR & 1 GAL EMI-744 /10 BBLs PRODUCED WATER @ 500 PSIG- RETURNS: 1+ BUCKETS / HR OFF MUD LOGGER SAMPLIER VALVE OF MOSTLY COFFEE GROUNDS SIZE OF (COAL 99%, ~1%SHALE).
11/24/2004	06:00 - 09:00	3.00	EVALWB	CIRC	COMPZN	SAFETY MEETING PRIOR TO STARTING OPERATIONS- R&R 3400-3428'- W/ 1500 CFM AIR W/ 8-10 BPH MIST CONTAINING 1-GAL F-450 FOAMER, W/ 1/4 GAL CORRISSION INHIBITOR, W/ 1-GAL EMI-744 /10 BBLs PRODUCED WATER @ 500 PSIG- RETURNS: 1+ BUCKETS / HR OFF MUD LOGGER SAMPLIER VALVE OF MOSTLY COFFEE GROUNDS SIZE OF (COAL 99%, ~1%SHALE).
	09:00 - 09:30	0.50	RPCOMF	TRIP	COMPZN	PULL UP INTO 7" @ 3086'KB.
	09:30 - 11:00	1.50	EVALFM	PRDT	COMPZN	FLOW TEST THRU 2" TIME CHOKE MANIFOLD #S PITOT #S MSCFD / CONSISTENCY
	11:00 - 14:00	3.00	EVALWB	OTHR	COMPZN	15MIN 96 24 3221 / WET 30MIN 100 25 3311 / WET 45MIN 100 25 3311 / WET 60MIN 100 25 3311 / WET PERFORM 400-500 STAGED PRESSURE- W/ 3-GAL FOAMER AHEAD & W/ INCREMENTAL 5 BBL WATER PADS AIR ASSIST PADED SURGES #18-#19 SURGE BRK/OVR TIME TO BUILD WTR RETURNS: # DPP SICP SURGE / MIN VOL-Bbls BUCKETS/HR 18 750-650 500 45 15 LIGHT 1/2 19 650 500 50 15 VERY LIGHT
11/25/2004	14:00 - 03:00	13.00	EVALWB	CIRC	COMPZN	SURGE #18-19 RETURNS: DIRTY WATER UP T/ 1/ 2 OF A BUCKET / HR OF COFFEE GROUNDS TYPE OF COAL. CLEANOUT F/3165 - T/3428'KB,- TAG BRIDGES @ 3165', 3234' R&R 3400-3428' (STICKY 3418-3428')- W/ 1500 CFM AIR W/ 8-10 BPH MIST CONTAINING 1-GAL F-450 FOAMER, W/ 1/4 GAL CORRISSION INHIBITOR & 1 GAL EMI-744 /10 BBLs PRODUCED WATER @ 500 PSIG- RETURNS: 2 DOWN T/1+ BUCKETS / HR OFF MUD LOGGER SAMPLIER VALVE OF MOSTLY COFFEE GROUNDS SIZE OF (COAL 99%, ~1%SHALE).
	03:00 - 04:00	1.00	RPCOMF	TRIP	COMPZN	PULL UP INTO 7" & BLOW AROUND CLEAN TO PIT.
	04:00 - 06:00	2.00	WELLPR	SFTY	COMPZN	SIW-ALLOW CREW TO TRAVEL TO MONTHLY SAFETY MEETING.
	13:00 - 14:00	1.00	EVALFM	SIPB	COMPZN	SAFETY MEETING PRIOR TO STARTING OPERATIONS- 9HR SICP 520 PSIG. RIG CREW PERFORMING SAFETY MEETING'S & INCIDENT REPORT REVIEW'S.

# CONOCOPHILLIPS CO

## Operations Summary Report

Page 8 of 11

Legal Well Name: SAN JUAN 32-7 UNIT 245A  
 Common Well Name: SAN JUAN 32-7 UNIT 245A  
 Event Name: COMPLETION  
 Contractor Name: KEY ENERGY SVCS  
 Rig Name: KEY 22

Spud Date: 9/22/2004  
 End: 12/3/2004

Start: 11/8/2004  
 Rig Release: 12/2/2004  
 Rig Number: 22

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
11/25/2004	13:00 - 14:00	1.00	EVALFM	SIPB	COMPZN	LEAVE SHUT-IN.
11/27/2004	07:00 - 15:00	8.00	EVALFM	SIPB	COMPZN	SAFETY MEETING PRIOR TO STARTING OPERATIONS-SIPBU SURGE# ISIP 15MIN 30MIN 45MIN 20 52 HR SIPBU = 540 PSIG 21 120 420 490 22 160 440 490 23 150 430 490 PERFORM NATURAL SURGES # 20-#23 W/ 490-500 PSIG RETURNS: CLEAN EXCEPT FOR SURGE #20 RETURNING 1+ BUCKET/ HR OF FINE COAL.
	15:00 - 15:30	0.50	RPCOMF	TRIP	COMPZN	GIH W/ 6-1/4" DRLG ASSEMBLY & TAG UP @ 3200'KB.
	15:30 - 06:00	14.50	EVALWB	CIRC	COMPZN	CLEANOUT F/3200 - T/3428'KB,- TAG BRIDGES @ 3200', 3412' R&R 3400-3428' (STICKY 3418-3428')- W/ 1500 CFM AIR W/ 8-10 BPH MIST CONTAINING 1-GAL F-450 FOAMER,W/ 1/4 GAL CORRISION INHIBITOR & 1 GAL EMI-744 /10 BBLS PRODUCED WATER @ 500 PSIG- RETURNS: 2 DOWN T/1+ BUCKETS / HR OFF MUD LOGGER SAMPLIER VALVE OF MOSTLY COFFEE GROUNDS SIZE OF (COAL 99%, ~1%SHALE).
11/28/2004	06:00 - 06:00	24.00	EVALWB	CIRC	COMPZN	SAFETY MEETING PRIOR TO STARTING OPERATIONS-R&R 3400-3428' (STICKY 3418-3428')- LOWER COALS 3412-14, 3424-28', ARE LOWER PRESSURE INTERVALS WHICH ALLOWS FOR LOST CIRCULATION DURING CLEANOUT OF THE RATHOLE SECTION BELOW 3428' WORK BACK UP HOLE F/ 3428 -T/ 3200' CO / R&R F/ 3200'-3248'KB W/ 1500 -750 CFM AIR W/ 8-10 BPH MIST CONTAINING 1-GAL F-450 FOAMER,W/ 1/4 GAL CORRISION INHIBITOR /10 BBLS PRODUCED WATER @ 500-800-250 PSIG- RETURNS: 2 UP T/ 4+ BACK DOWN T/1+ BUCKETS / HR OFF MUD LOGGER SAMPLIER VALVE OF MOSTLY COFFEE GROUNDS SIZE OF (COAL 99%, ~1%SHALE).
11/29/2004	06:00 - 06:00	24.00	EVALWB	CIRC	COMPZN	SAFETY MEETING PRIOR TO STARTING OPERATIONS- CLEANOUT RATHOLE SECTION F/ 3428-T/3508'KB, PBTD R&R 3400-3428' LOWER COALS 3412-14, 3424-28', ARE LOWER PRESSURE INTERVALS WHICH ALLOWS FOR LOST CIRCULATION DURING CLEANOUT OF THE RATHOLE SECTION BELOW 3428' W/ 750 CFM AIR W/ 8-10 BPH MIST CONTAINING 1-GAL F-450 FOAMER,W/ 1/4 GAL CORRISION INHIBITOR /10 BBLS PRODUCED WATER @ 250 PSIG- RETURNS: 1+-UP T/ 3+ BACK DOWN T/1+ BUCKETS / HR OFF MUD LOGGER SAMPLIER VALVE OF MOSTLY COFFEE GROUNDS SIZE OF (COAL 99%, ~1%SHALE).
11/30/2004	06:00 - 07:30	1.50	RPCOMF	TRIP	COMPZN	SAFETY MEETING PRIOR TO STARTING OPERATIONS- PULL UP INTO 7" @ 3086'KB.
	07:30 - 09:00	1.50	EVALFM	PRDT	COMPZN	FLOW TEST THRU 2" TIME CHOKE MANIFOLD #S PITOT #S MSCFD / CONSISTENCY 15MIN 80 20 2863 / VAPOR

# CONOCOPHILLIPS CO

## Operations Summary Report

Page 9 of 11

Legal Well Name: SAN JUAN 32-7 UNIT 245A  
 Common Well Name: SAN JUAN 32-7 UNIT 245A  
 Event Name: COMPLETION  
 Contractor Name: KEY ENERGY SVCS  
 Rig Name: KEY 22

Spud Date: 9/22/2004  
 End: 12/3/2004  
 Group:  
 Start: 11/8/2004  
 Rig Release: 12/2/2004  
 Rig Number: 22

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
11/30/2004	07:30 - 09:00	1.50	EVALFM	PROT	COMPZN	30MIN 100 25 3311 / MED MIST 45MIN 100 25 3311 / MED MIST 60MIN 100 25 3311 / MED MIST
	09:00 - 10:30	1.50	RPCOMF	TRIP	COMPZN	GIH W/ 6-1/4" DRLG ASSEMBLY & TAG UP @ 3428'KB.
	10:30 - 01:00	14.50	EVALWB	CIRC	COMPZN	SAFETY MEETING PRIOR TO STARTING OPERATIONS- CLEANOUT RATHOLE SECTION F/ 3428-T/3508'KB, PBTD R&R 3508'KB W/ ATERNATING 1500 -750 CFM AIR W/ 8-10 BPH MIST CONTAINING 1-GAL F-450 FOAMER,W/ 1/4 GAL CORRISION INHIBITOR /10 BBLs PRODUCED WATER @ 400-250 PSIG- RETURNS: 3+ DOWN T/1< BUCKET(S) / HR OFF MUD LOGGER SAMPLIER VALVE OF OCCASIONAL CHUNKS TO MOSTLY COFFEE GROUNDS SIZE OF (COAL 99%, ~1%SHALE).
	01:00 - 06:00	5.00	RPCOMF	TRIP	COMPZN	COOH W/ DRLG ASSEMBLY.
12/1/2004	06:00 - 08:00	2.00	WELLPR	RURD	COMPZN	6-1/4" RR BIT GRADED:-( 2-2-NO-A-F-I-NO-TD)- SAFETY MEETING PRIOR TO STARTING OPERATIONS- MU LINER HANGER ASSEMBLY ON 1ST JOINT OF DRILL PIPE- RU TO RUN 5-1/2" LINER.
	08:00 - 09:00	1.00	WELCTL	BOPE	PROD1	X-O & PT PIPE RAMS T/ 100 PSIG- (OK)
	09:00 - 11:15	2.25	CASING	RUNC	PROD1	KILL WELL W/ 60 BBLs Kfc PRODUCED WATER. GIH W/ 5-1/2" 15.5 PPF J-55 LT&C CASING / LINER AS FOLLOWS:
						6-1/4" RR REED HP-43-BIT -
						0.60' -
						3-1/2" REG X 5-1/2" LTC BIT SUB W/ FLOAT VALVE -
						1.40' -
						10- JTS 5-1/2" 15.5 PPF LTC CASING -
						445.36' -
						6-1/16" TIW "H" ROTATING SET COLLAR -
						2.40' -
						TOTAL LINER ASSEMBLY -
						449.76'
						GIH W/ TOTAL OF 85 JTS 2-7/8" DRILLPIPE T/3105'KB. CONTINUE PUMPING @1 BPM W/ Kfc PRODUCED WATER WHILE RUNNING LINER AND 10 STANDS OF DRILLPIPE IN ORDER TO KEEP THE WELL ON A VACCUM.
	11:15 - 13:30	2.25	CASING	HOSO	PROD1	RU POWER SWIVEL- ALLOW WELL TO UNLOAD THRU 2" GIH W/ 5-1/2" LINER ASSEMBLY T/ 3428'KB- CIRCULATE W/ AIR MIST @ 275 DOWN T/ 200 PSIG & DRILL DOWN LINER F/ 3428-T/3451'KB UNABLE TO MAKE ANY HOLE UP OR DOWN- SET 5-1/2" LINER ASSEMBLY F/3001 -T/3451'KB EOL- W/ PBTD @ 3449'KB- RELEASE OFF OF LINER ASSEMBLY TOL @3001 'KB.
	13:30 - 14:30	1.00	EVALWB	CIRC	COMPZN	PULL UP SETTING TOOL T/2990'KB AND CIRCULATE 7" X 2-7/8" WELLBORE CLEAN W/ AIR / MIST.
	14:30 - 18:00	3.50	RPCOMF	PULD	COMPZN	DRAIN UP AIR PUMP AND LINES- RD POWER SWIVEL- COOH & LAYDOWN 2-7/8" DP AND SETTING TOOL.
	18:00 - 20:00	2.00	RPCOMF	PULD	COMPZN	TRIP IN & LAYDOWN 3-1/2" DC'S.
	20:00 - 06:00	10.00	WELLPR	RURD	COMPZN	PREP TO PERFORATE

# CONOCOPHILLIPS CO

## Operations Summary Report

Page 10 of 11

Legal Well Name: SAN JUAN 32-7 UNIT 245A  
 Common Well Name: SAN JUAN 32-7 UNIT 245A  
 Event Name: COMPLETION  
 Contractor Name: KEY ENERGY SVCS  
 Rig Name: KEY 22

Spud Date: 9/22/2004  
 End: 12/3/2004  
 Start: 11/8/2004  
 Rig Release: 12/2/2004  
 Group:  
 Rig Number: 22

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
12/1/2004	20:00 - 06:00	10.00	WELLPR	RURD	COMPZN	X-O #1 & #2 PIPE RAMS T/2-3/8"- RIG DOWN MANUAL TONGS AND AUXILARY DRLG EQUIPMENT- PREP & TALLY 2-3/8" TBG- RU TO RUN 2-3/8" TBG. SIW/ SICP 490 PSIG.
12/2/2004	06:00 - 11:00	5.00	PERF	PERF	COMPZN	SAFETY MEETING PRIOR TO STARTING OPERATIONS- SICP -490 PSIG- RU BLUE JET PERFORATORS- PT LUBRICATOR T/ 490 PSIG (OK)- PERFORATE Kfc INTERVALS 3424-3428' 3411-3416' 3221-3236' 3206-3216' 3197-3202' 3186-3194' 3176-3184' 3166-3174' @ 4SPF TOTAL 252 (120 DEGREE PHASED HOLES)
	11:00 - 13:30	2.50	WELCTL	BOPE	COMPZN	RIG DOWN PERFORATORS. PT PIPE 2-3/8" RAMS T/ 490 PSIG- (OK) BLEED WELL SLOWLY DOWN TO PIT. FLOW TEST THRU 2" TIME CHOKE MANIFOLD #S PITOT #S MSCFD / CONSISTENCY 15MIN 120 30 3758 / MED MIST 30MIN 136 34 4116 / HEAVY MIST 45MIN 136 34 4116 / HEAVY MIST 60MIN 136 34 4116 / HEAVY MIST
	13:30 - 16:30	3.00	RPCOMP	PULD	COMPZN	KILL WELL W/ 60 BBLS Kfc PRODUCED WATER. GIH W/ 2-7/8" ORANGE PEELED BOTTOM MUD ANCHOR ASSEMBLY W/ 8" X 1/4" SLOTS @ 2' & 14' DOWN ON ANCHOR (30.80' ), W/ 2-7/8" EUE 8RD X 2-3/8" EUE X-O COLLAR (0.46'), W/ 2-3/8" X 1.78" ID F NIPPLE (0.85'), W/ BLANKING PLUG IN FN (TESTED T/1000 PSIG BY B&R SERVICE) -W/ 2-3/8" X 8.00' PUP JOINT- W/ 107 JTS 2-3/8" EUE 8RD 4.7 PPF J-55 TBG MEASURING (3357.27')- TAG BOTTOM @ 3449+/-KB (NO FILL) PULL UP LAND TBG W/ 2-3/8" EUE 8RD X 7-1/16" TBG HGR CONTAINING A BPV PBD @ 3449'KB EOT / MUD ANCHOR @ 3408'KB 1/4" X 8" SLOTS @ 3379 & 3391'KB. 1.78" FN @ 3377'KB. PERF INTERVAL 3166-3428'KB. TOP OF LINER @ 3001'KB.
	16:30 - 18:00	1.50	WELCTL	NUND	COMPZN	ND BOPE & NU 2-3/8" X 7-1/16" BONNET.
	18:00 - 19:00	1.00	WELLPR	OTHR	COMPZN	DRAIN UP PUMPS & LINES, PICK-UP TOOLS, & SDON.
12/3/2004	07:00 - 09:00	2.00	RPCOMP	SLKL	COMPZN	SAFETY MEETING PRIOR TO STARTING OPERATIONS- SICP -540 PSIG- RU B&R SERVICE PT LUBRICATOR T/ 540 PSIG (OK)-

## Operations Summary Report

Legal Well Name: SAN JUAN 32-7 UNIT 245A  
 Common Well Name: SAN JUAN 32-7 UNIT 245A  
 Event Name: COMPLETION  
 Contractor Name: KEY ENERGY SVCS  
 Rig Name: KEY 22

Start: 11/8/2004  
 Rig Release: 12/2/2004  
 Rig Number: 22

Spud Date: 9/22/2004  
 End: 12/3/2004  
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
12/3/2004	07:00 - 09:00	2.00	RPCOMP	SLKL	COMPZN	GIH / EQUALIZE & RETRIEVE BP IN FN @ 3377'KB- FLUID LEVEL @ 3210'KB RIG DOWN SLICKLINE.
	09:00 - 11:00	2.00	WELCTL	NUND	COMPZN	RU TO RUN RODS- BLEED WELL DOWN SLOWLY TO PIT ON 2-2" LINES F/540 DOWN T/ 80 PSIG.
	11:00 - 14:00	3.00	RPCOMP	PULD	COMPZN	FUNCTION TEST INSERT PUMP (OK)- GIH W/ 10' DIP TUBE W/ STRAINER BOTTOM ATTACHED BELOW 2" X 1 1/2" X 12' RWAC-Z INSERT PUMP SN: (CP204) W/ 3 (1-1/4" x 25') SINKER BARS, AND 131-( 3/4") NORRIS, TYPE 78, API GRADE "D" RODS & SPACE W/ 2', 4', 6', & 8' PONY RODS, RUN 1 1/4" X 22' POLISHED ROD. RIG UP ABOVE 2-3/8" COLLAR 1-1/4" ROD RATAGAN, 2-3/8" PUMPING TEE W/ 2" & 1" OUTLETS W/ BALL VALVES, STUFFING BOX. PUMP SEATED @ 3377'KB, FN. LOAD TBG W/ 12 BBLS CLEAN PRODUCED Kfc WATER- PT STANDING VALVE, TBG, STUFFING BOX T/ 500 PSIG (OK)- STROKE PUMP T/500 PSIG & CHECK TRAVELING VALVE (OK). HANG OFF PUMP.
	14:00 - 17:30	3.50	WELLPR	RURD	COMPZN	RIG DOWN- RELEASE RIG @ 17:30, 12-2-2004- DROP FROM REPORT- TURN OVER TO PRODUCTION OPERATIONS- "JOB COMPLETE"