

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 type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input checked="" type="checkbox"/> Other: CBM		5. Lease Serial No. NMSF079004	
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		7. Unit or CA Agreement Name and No. NMNM78424B	
3. Address PO BOX 2197 WL3 6054 HOUSTON, TX 77252		8. Lease Name and Well No. SAN JUAN 32-8 222A	
3a. Phone No. (include area code) Ph: 832.486.2463		9. API Well No. 30-045-32166-00-S1	
4. Location of Well (Report location clearly and in accordance with Federal requirements) Sec 9 T31N R8W Mer NMP At surface NWSE 1815FSL 1570FEL 36.90933 N Lat, 107.67624 W Lon At top prod interval reported below At total depth		10. Field and Pool, or Exploratory BASIN FRUITLAND COAL	
14. Date Spudded 04/23/2004		15. Date T.D. Reached 06/01/2004	
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 06/02/2004		17. Elevations (DF, KB, RT, GL)* 6676 GL	
18. Total Depth: MD 3659 TVD		19. Plug Back T.D.: MD 3658 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 checked="" type="checkbox"/> No <input 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 Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12.250	9.625 H-40	32.0	0	234		150		0	
8.750	7.000 J-55	20.0	0	3317		535		0	
6.250	5.500 J-55	16.0	3265	3659		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	3621							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) FRUITLAND COAL	3356	3561	3356 TO 3561	0.750	244	OPEN
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
3327 TO 3659	UNDERREAMED 6.25 HOLE TO 9.5
3356 TO 3561	SURGED WELL FOR 5 DAYS

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
06/02/2004	05/29/2004	24	→	0.0	53.0	0.0			GAS PUMPING UNIT
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
2	SI	0.0	→	0	1270	0		GS1	

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. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
	SI		→						

**ACCEPTED FOR RECORD**

JUN 18 2004

**FARMINGTON FIELD OFFICE**  
BY

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

ELECTRONIC SUBMISSION #32023 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.)  
VENTED

## 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 NACIMIENTO OJO ALAMO	0 939 2301	939 2301 2431		SAN JOSE NACIMIENTO OJO ALAMO KIRTLAND FRUITLAND	13 714 2324 2404 3132

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

This completion is a single producing well from the Basin Fruitland Coal. Attached are the daily summaries and schematic.

## 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 #32023 Verified by the BLM Well Information System.  
For CONOCOPHILLIPS COMPANY, sent to the Farmington  
Committed to AFMSS for processing by ADRIENNE GARCIA on 06/18/2004 (04AXG2687SE)

Name (please print) CHRIS GUSTARTIS

Title AUTHORIZED REPRESENTATIVE

Signature (Electronic Submission)

Date 06/16/2004

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 \*\***

Well Name: San Juan 32-8 # 222A  
 API #: 30-045-32166  
 Location: 1815' FSL & 1570' FEL  
Sect 9 - T31N - R8W  
San Juan County, NM  
 Elevation: 6676' GL (above MSL)  
 Drl Rig RKB: 13' above Ground Level  
 Datum: Drl Rig RKB = 13' above GL

Note - this well is equipped with rods & pump  
 7-<sup>1</sup>/<sub>16</sub>" 3M x 2-<sup>3</sup>/<sub>8</sub>" EUE 8rd Bonnet  
 11" 3M x 7-1/16" 3M Tubing Head  
 9-5/8" 8 RD x 11" 3M Casing Head

Spud: 23-Apr-04  
 Release Drl Rig: 26-Apr-04  
 Move In Cav Rig: 7-May-04  
 Release Cav Rig: 1-Jun-04

**Surface Casing** Date set: 23-Apr-04  
 Size 9 5/8 in  
 Set at 234 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 234 ft  
 TD of 12-1/4" hole 244 ft

Notified BLM @ 14:12 hrs on 21-Apr-04  
 Notified NMOCD @ 14:17 hrs on 21-Apr-04

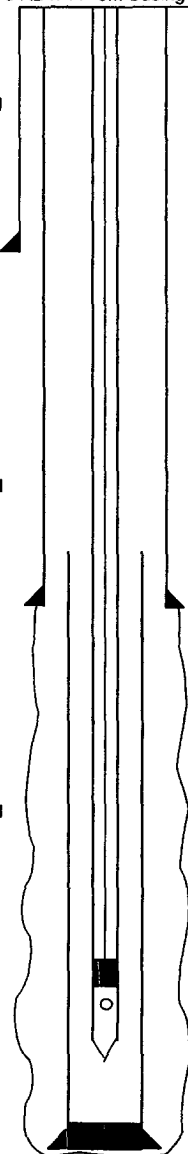
**Intermediate Casing** Date set: 26-Apr-04  
 Size 7 in 77 jts  
 Set at 3317 ft 1 pups  
 Wt. 20 ppf Grade J-55  
 Hole Size 8 3/4 in Conn STC  
 Excess Cmt 160 % Top of Float Collar 3272 ft  
 T.O.C. SURFACE Bottom of Casing Shoe 3317 ft  
 Pup @ 2276 ft TD of 8-3/4" Hole 3322 ft  
 Pup @        ft  
 Notified BLM @ 16:15 hrs on 24-Apr-04  
 Notified NMOCD @ 16:17 hrs on 24-Apr-04

**Production Liner** Date set: 29-May-04  
 Size 5 1/2 in  
 Nominal Wt. 15.5 ppf  
 Grade J-55 Connections: LTC  
 # Jnts: 9  
 Hole Size 6.25 / 9.5 inches  
 Underreamed 6-1/4" hole to 9.5" from 3327' to 3659'  
 Top of Liner 3265 ft  
 PBDT 3658 ft  
 Bottom of Liner 3659 ft

☒ New  
☐ Used

☒ New  
☐ Used

☒ New  
☐ Used



TD 3,659 ft

**Surface Cement**

Date cmt'd: 23-Apr-04  
 Lead : 150 sx Class G Cement  
 + 2% BWOC S001 Calcium Chloride  
 + 0.25 lb/sx D029 Cellophane Flakes  
1.16 cuft/sx, 174 cuft slurry at 15.8 ppg  
 Displacement: 16.0 bbls fresh wtr  
 Bumped Plug at: 13:17 hrs w/ 450 psi  
 Final Circ Press: 55 psi @ 0.5 bpm  
 Returns during job: YES  
 CMT Returns to surface: 16 bbls ( 77 sx )  
 Floats Held: No floats used  
 W.O.C. for 6.00 hrs (plug bump to start NU BOP)  
 W.O.C. for 10.50 hrs (plug bump to test csg)

**Intermediate Cement**

Date cmt'd: 26-Apr-04  
 Lead : 435 sx Class G Cement  
 + 3% D079 Extender  
 + 0.25 lb/sx D029 Cellophane Flakes  
 + 0.2% D046 Antifoam  
 + 0.05 gal/sx D047 Antifoam  
2.61cuft/sx, 1135.4 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  
 + 0.2% D046 Antifoam  
1.27 cuft/sx, 127 cuft slurry at 13.5 ppg  
 Displacement: 132.4 bbls  
 Bumped Plug at: 07:10 hrs w/ 1440 psi  
 Final Circ Press: 715 psi @ 2 bpm  
 Returns during job: YES  
 CMT Returns to surface: 30 bbls ( 64.5 sx )  
 Floats Held: ☒ Yes ☐ No

**UNCEMENTED LINER**

Schematic prepared by:  
 Steven O. Moore, Drilling Engineer  
 8-June-2004

This well was cavitated.

**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. Displaced top wiper plug with water. Shut in casing head and WOC before backing out landing jt. CENTRALIZERS @ 223', 146', 102' & 59'. Total: 4
7" Intermediate	DISPLACED W/ 20 BBLs. FRESH WATER & 112.4 BBLs. 8.4 PPG SLIGHTLY POLYMERIZED DRILL WATER CENTRALIZERS @ 3307', 3229', 3143', 3061', 2974', 2887', 212', 82', 39'. TURBOLIZERS @ 2416', 2372', 2329'. Total: 9 Total: 3
5.5" Liner	Ran bladed shoe with float valve on bottom of liner. Ran and set the liner w/ TIW H-Latch Drop Off Tool (no liner hanger).
Perforations	Perforated 5-1/2" liner with guns on E-line at 4 spf, 244 shots total, 0.75" diameter, 120 degree phased holes Perf. Intervals: 3356'-3360', 3363'-3370', 3408'-3417', 3482'-3491', 3493'-3496', 3498'-3504', 3533'-3544', 3549'-3561'
Tubing	2-7/8" Orange Peeled Mud Anchor with eight each 0.25" x 8" slots just below the upset, 2-7/8" x 2-3/8" EUE 8rd XO-collar 2-3/8" OD (1.78" ID) F-Nipple, 1 ea pup jts and 113 jts 2-3/8" 4.7# J-55 EUE 8rd tubing Bottom of Mud Anchor at 3621'. Top of F-Nipple at 3591' MD RKB.
Pump & Rods	12" long strainer attached below 2" x 1-1/2" x 12 ft RWAC-Z insert pump, 1 ea 4" x 3/4" pony rod on top of pump, 143 each 3/4" rods, spaced out with 1 ea 8" and 1 ea 4" x 3/4" OD pony rods & 1 ea 1-1/4" OD x 22' polished rod Set pump in F-Nipple at 3591' MD RKB

## Operations Summary Report

Legal Well Name: SAN JUAN 32-8 UNIT 222A

Common Well Name: SAN JUAN 32-8 UNIT 222A

Event Name: COMPLETION

Contractor Name: KEY ENERGY SVCS

Rig Name: KEY 27

Start: 5/6/2004

Rig Release: 6/1/2004

Rig Number: 27

Spud Date: 4/23/2004

End: 6/1/2004

Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
5/7/2004	07:00 - 17:00	10.00	RIGMNT	RGRP	COMPZN	WORK ON RIG, INSTALL RAM IN DERRICK.
5/8/2004	07:00 - 07:30	0.50	MOVE	SFTY	MIRU	PJSM WITH ALL PERSONEL ON LOCATION.
	07:30 - 12:00	4.50	MOVE	MOB	MIRU	MOVE RIG AND SPOT ALL EQUIPMENT.
	12:00 - 17:00	5.00	MOVE	RURD	MIRU	INSTALL RAM IN DERRICK, AND RIG UP. DRILL PIPE IS AT TUBOSCOPE BEING INSPECTED, BOPS ARE AT WSI BEING CHANGED OUT.
5/9/2004	07:00 - 07:30	0.50	RIGMNT	SFTY	COMPZN	PJSM WITH ALL PERSONEL ON LOCATION.
	07:30 - 17:00	9.50	RIGMNT	RGRP	COMPZN	INSTALL RAM IN DERRICK AND RIG UP. NIPPLE UP BOPS AND BLOOIE LINE. DRILL COLLARS AND 50 JOINTS OF DRILL PIPE ON LOCATION, THE REST OF DRILL PIPE TO BE DELIVERED 5/10/04
5/10/2004	07:00 - 07:30	0.50	RIGMNT	SFTY	COMPZN	PJSM WITH ALL PERSONEL ON LOCATION.
	07:30 - 17:00	9.50	RIGMNT	RGRP	COMPZN	FINISH INSTALLING RAM IN DERRICK, RIG UP EQUIPMENT THAT CAN BE RIGGED UP. SPOT UNIT AND RAISE DERRICK. LEFT MESSAGE ON VOICEMAIL OF CHARLIE PERRIN WITH THE OCD @ 1300HRS 5/9/04
						LEFT MESSAGE ON BLM HOTLINE @ 1315HRS 5/9/04 ABOUT BOPS AND CASING PRESSURE TEST.
5/11/2004	07:00 - 07:30	0.50	DRILL	SFTY	COMPZN	PJSM WITH ALL PERSONEL ON LOCATION.
	07:30 - 12:30	5.00	DRILL	RURD	COMPZN	RIG UP EQUIPMENT, BOPS AND BLOOIE LINES.
	12:30 - 13:30	1.00	DRILL	SFTY	COMPZN	RIG INSPECTION AND REPAIR GIGS.
	13:30 - 18:00	4.50	TREBOP	BOPE	COMPZN	PRESSURE TEST CASING AND BLIND RAMS 250# LOW AND 1800# HIGH FOR 30 MIN. STATE INTEGRITY TEST. PRESSURE TEST BOTH SETS OF PIPE RAMS, HCR VALVES, AND ALL MANIFOLD VALVES. 250 # LOW FOR 3 MIN. AND 1800 # HIGH FOR 10 MIN. ALL OK
	18:00 - 20:00	2.00	DRILL	PULD	COMPZN	PULL DC AND DP OUT OF PIPE BASKET, CALIPER AND STRAP. PICK UP DRILL COLLARS AND 15 JTS OF DRILL PIPE.
5/12/2004	06:00 - 07:30	1.50	DRILL	DRLG	COMPZN	SAFETY MEETING WITH ALL COPC CAVITATION RIGS AT KEY YARD.
	07:30 - 09:00	1.50	DRILL	SFTY	COMPZN	TRAVEL TO LOCATION.
	09:00 - 09:30	0.50	DRILL	SFTY	COMPZN	PJSM WITH ALL PERSONEL ON LOCATION.
	09:30 - 11:00	1.50	DRILL	PULD	COMPZN	GIH PU BHA 6 1/4" RERUN BIT, BIT SUB WITH DP FLOAT, 12 - 3 1/2" DC'S, 1JT OF 2 7/8" DP, 1-2 7/8" FN W / 1.87 PROFILE. PICK UP DRILL PIPE TO 3266' TAGGED CEMENT.
	11:00 - 12:30	1.50	DRILL	PULD	COMPZN	PICK UP AND RIG UP POWER SWIVEL.
	12:30 - 12:45	0.25	DRILL	OTHR	COMPZN	PRESSURE TEST AIR LINE AND AIR MANIFOLD, 250PSI FOR 3 MIN AND 1200PSI FOR 10 MIN. ALL OK
	12:45 - 14:00	1.25	DRILL	OTHR	COMPZN	UNLOAD HOLE, ESTABLISH CIRCULATION, DRLG FLOAT COLLAR AND 46' OF CEMENT. TAG FLOAT @ 3273' CSG SHOE @ 3317' TOTAL DEPTH @ 3329'
	14:00 - 19:00	5.00	DRILL	DRLG	COMPZN	DRILLING FORMATION 3329' TO 3517' DRLG WITH 750 CFM AIR, 5 TO 6 BPH MIST WITH 1/4 GAL CORROSION INHIBITOR, 1 GAL 450 FOAMER PER 10 BARRELS OF WATER. 200PSI ON STANDPIPE. COMP DISCHARGE TEMP 220 DEGREES BOOSTER DISCHARGE TEMP 275 DEGREES

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

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Legal Well Name: SAN JUAN 32-8 UNIT 222A  
Common Well Name: SAN JUAN 32-8 UNIT 222A  
Event Name: COMPLETION  
Contractor Name: KEY ENERGY SVCS  
Rig Name: KEY 27

Spud Date: 4/23/2004  
End: 6/1/2004  
Group:

Start: 5/6/2004  
Rig Release: 6/1/2004  
Rig Number: 27

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
5/12/2004	14:00 - 19:00	5.00	DRILL	DRLG	COMPZN	BOOSTER RPM 1500 NO WATER TO SURFACE OR TSTM.
	19:00 - 19:30	0.50	DRILL	SFTY	COMPZN	PJSM WITH ALL PERSONEL ON LOCATION.
	19:30 - 23:00	3.50	DRILL	DRLG	COMPZN	DRILLING FORMATION 3517' TO 3659' DRLG WITH 750 CFM AIR, 5 TO 6 BPH MIST WITH 1/4 GAL CORROSION INHIBITOR, 1 GAL 450 FOAMER PER 10 BARRELS OF WATER. 200PSI ON STANDPIPE. COMP DISCHARGE TEMP 220 DEGREES BOOSTER DISCHARGE TEMP 275 DEGREES BOOSTER RPM 1500 COAL INTERVALS 3356' - 3361' 5' 196 UNITS OF GAS 3362' - 3370' 8' 196 UNITS OF GAS 3408' - 3417' 9' 632 UNITS OF GAS 3483' - 3493' 10' 700 UNITS OF GAS 3494' - 3496' 2' 750 UNITS OF GAS 3498' - 3504' 6' 832 UNITS OF GAS 3532' - 3538' 6' 880 UNITS OF GAS 3539' - 3544' 5' 880 UNITS OF GAS 3549' - 3553' 4' 887 UNITS OF GAS 3554' - 3561' 7' 896 UNITS OF GAS  TOTAL COAL 62'
	23:00 - 00:00	1.00	DRILL	CIRC	COMPZN	BLOW HOLE CLEAN WITH 750 CFM AIR, 5 TO 6 BPH MIST WITH 1/4 GAL CORROSION INHIBITOR, 1 GAL 450 FOAMER PER 10 BARRELS OF WATER. 200PSI ON STANDPIPE. WELL WAS MAKING 1 1/2 BUCKET PER HOUR OF COAL, DOWN TO 1/2 BUCKET PER HOUR OF COAL
	00:00 - 00:30	0.50	DRILL	CIRC	COMPZN	TURN OFF MIST PUMP AND BLOW WELL DRY, NO SIGNS OF WATER TO SURFACE.
	00:30 - 01:15	0.75	DRILL	PULD	COMPZN	PULL UP INTO CASING LAYING DOWN 12 JOINTS OF DRILL PIPE WITH POWER SWIVEL.
	01:15 - 02:30	1.25	FLOWT	PRDT	COMPZN	2" OPEN FLOW TEST INITIAL PRESSURE 11# ON GAUGE 2.75 # 1030 MCFD 15 MINUTES - 11 # ON GAUGE 2.75 # 1030 MCFD 30 MINUTES - 12 # ON GAUGE 3.00 # 1065 MCFD 45 MINUTES - 15 # ON GAUGE 3.75 # 1191 MCFD 60 MINUTES - 12 # ON GAUGE 3.00 # 1065 MCFD 75 MINUTES - 12 # ON GAUGE 3.00 # 1065 MCFD
	02:30 - 06:00	3.50	FLOWT	SIPB	COMPZN	SHUT IN TEST INSP 12 PSI 15 MINUTES 30 PSI 30 MINUTES 125 PSI 45 MINUTES 180 PSI 60 MINUTES 220 PSI 75 MINUTES 240 PSI 90 MINUTES 260 PSI 105 MINUTES 270 PSI 120 MINUTES 280 PSI

## Operations Summary Report

Legal Well Name: SAN JUAN 32-8 UNIT 222A

Common Well Name: SAN JUAN 32-8 UNIT 222A

Event Name: COMPLETION

Contractor Name: KEY ENERGY SVCS

Rig Name: KEY 27

Start: 5/6/2004

Rig Release: 6/1/2004

Rig Number: 27

Spud Date: 4/23/2004

End: 6/1/2004

Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
5/12/2004	02:30 - 06:00	3.50	FLOWT	SIPB	COMPZN	135 MINUTES 285 PSI 150 MINUTES 290 PSI 165 MINUTES 290 PSI 180 MINUTES 290 PSI RELEASE AS NATURAL SURGE, LET WELL BLOW DOWN.
5/13/2004	06:00 - 07:00	1.00	DRILL	TRIP	COMPZN	TRIP OUT OF HOLE TO PICK UP UNDER REAMER.
	07:00 - 07:30	0.50	DRILL	SFTY	COMPZN	PJSM WITH ALL PERSONEL ON LOCATION.
	07:30 - 08:00	0.50	DRILL	TRIP	COMPZN	FINISH TRIP OUT OF HOLE TO PICK UP UNDER REAMER.
	08:00 - 10:00	2.00	DRILL	PULD	COMPZN	JSA WITH ALL PERSONEL ON LOCATION. PICK UP SHOCK SUB AND UNDER REAMER AND TRIP IN HOLE.
	10:00 - 10:30	0.50	DRILL	TRIP	COMPZN	PICK UP AND RIG UP POWER SWIVEL, CHANGE OUT STRIPPER RUBBER.
	10:30 - 18:30	8.00	DRILL	UREM	COMPZN	ESTABLISH CIRCULATION WITH 1500 CFM AIR, 6 TO 8 BPH MIST WITH 1/4 GAL CORROSION INHIBITOR, 1 GAL 450 FOAMER PER 10 BARRELS OF WATER. UNDER REAM 6 1/4" HOLE TO 9 1/2" HOLE FROM 3327' TO 3659' 600PSI ON STAND PIPE UNLOADED SLUG OF WATER WHEN WE BROKE CIRCULATION.
	18:30 - 19:30	1.00	DRILL	UREM	COMPZN	BLOW HOLE CLEAN WITH 1500 CFM AIR, 5 TO 6 BPH MIST WITH 1/4 GAL CORROSION INHIBITOR, 1 GAL 450 FOAMER PER 10 BARRELS OF WATER. 500PSI ON STANDPIPE.
	19:30 - 20:30	1.00	DRILL	UREM	COMPZN	WELL MAKING 1/2 BUCKET OF COAL PER HOUR.
	20:30 - 21:15	0.75	FLOWT	PRDT	COMPZN	TURN OFF MIST PUMP AND DRY HOLE UP. WELL IS MAKING APPROXIMATELY 1 BBL PER HOUR WATER.
	21:15 - 22:15	1.00	FLOWT	PRDT	COMPZN	PULL UP INTO CASING LAYING DOWN 12 JOINTS OF DRILL PIPE WITH POWER SWIVEL. 2" OPEN FLOW TEST INITIAL PRESSURE 6# ON GAUGE 1.50 # 752 MCFD 15 MINUTES - 10 # ON GAUGE 2.50 # 869 MCFD 30 MINUTES - 11 # ON GAUGE 2.75 # 1030 MCFD 45 MINUTES - 11 # ON GAUGE 2.75 # 1030 MCFD 60 MINUTES - 11 # ON GAUGE 2.75 # 1030 MCFD WELL BLOW MIST WHILE FLOW TESTING.
	22:15 - 01:30	3.25	DRILL	TRIP	COMPZN	TRIP OUT OF HOLE, LAY DOWN AND LOAD OUT SHOCK SUB AND UNDER REAMER.
	01:30 - 02:30	1.00	DRILL	TRIP	COMPZN	PICK UP RR BIT, BIT SUB WITH DP FLOAT AND TRIP IN HOLE WITH DRILL COLLARS AND ONE STAND OF DRILL PIPE.
	02:30 - 05:00	2.50	FLOWT	SIPB	COMPZN	SHUT IN TEST INSP 11 PSI 15 MINUTES 100 PSI 30 MINUTES 180 PSI 45 MINUTES 200 PSI 60 MINUTES 205 PSI 75 MINUTES 210 PSI 90 MINUTES 210 PSI 105 MINUTES 210 PSI
5/14/2004	05:00 - 06:00	1.00	DRILL	TRIP	COMPZN	RELEASE AS NATURAL SURGE, LET WELL BLOW DOWN.
	06:00 - 07:00	1.00	STIMOP	TRIP	COMPZN	TRIP IN HOLE TO UNLOAD WATER. TRIP IN HOLE TO 3283'

## Operations Summary Report

Legal Well Name: SAN JUAN 32-8 UNIT 222A

Common Well Name: SAN JUAN 32-8 UNIT 222A

Event Name: COMPLETION

Start: 5/6/2004

Spud Date: 4/23/2004

Contractor Name: KEY ENERGY SVCS

Rig Release: 6/1/2004

End: 6/1/2004

Rig Name: KEY 27

Rig Number: 27

Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
5/14/2004	07:00 - 07:30	0.50	STIMOP	SFTY	COMPZN	PJSM WITH ALL PERSONEL ON LOCATION.
	07:30 - 08:00	0.50	STIMOP	CAV	COMPZN	PREPARE TO SURGE WELL.
	08:00 - 12:30	4.50	STIMOP	CAV	COMPZN	SURGE #1, #2, #3, AS FOLLOWS 1 GALLON OF SOAP DOWN DRILL PIPE, PUMP 5 BBLs OF WATER PRESSURE UP TO 400PSI WITH AIR MIST PUMP 5 BBLs OF WATER PRESSURE UP TO 800PSI WITH AIR MIST PUMP 5 BBLs OF WATER PRESSURE UP TO 1200PSI WITH AIR MIST RELEASE SURGE WHILE PUMPING AIR MIST AT 900CFM AND 5 BBL PER HOUR MIST. SURGE #1 DP 950PSI CSG 800 PSI SURGE #2 DP 1100PSI CSG 950PSI SURGE #3 DP 1100PSI CSG 950PSI
	12:30 - 13:30	1.00	STIMOP	FCO	COMPZN	TRIP IN HOLE TO CHECK FOR FILL AFTER SURGING, TAG AT 3600'
	13:30 - 19:00	5.50	STIMOP	FCO	COMPZN	THIS IS IN THE RATHOLE, TRIP OUT OF HOLE 12 JOINTS. SURGE #4, #5, #6, AS FOLLOWS 1 GALLON OF SOAP DOWN DRILL PIPE, PUMP 5 BBLs OF WATER PRESSURE UP TO 400PSI WITH AIR MIST PUMP 5 BBLs OF WATER PRESSURE UP TO 800PSI WITH AIR MIST PUMP 5 BBLs OF WATER PRESSURE UP TO 1200PSI WITH AIR MIST RELEASE SURGE WHILE PUMPING AIR MIST AT 900CFM AND 5 BBL PER HOUR MIST. SURGE #4 DP 1150PSI CSG 950 PSI SURGE #5 DP 1250PSI CSG 1000PSI SURGE #6 DP 1350PSI CSG 1050PSI
	19:00 - 19:30	0.50	STIMOP	SFTY	COMPZN	PJSM WITH ALL PERSONEL ON LOCATION.
	19:30 - 20:00	0.50	STIMOP	PULD	COMPZN	TRIP IN HOLE TO CHECK FOR FILL AFTER SURGING, TAG AT 3517'
	20:00 - 06:00	10.00	STIMOP	FCO	COMPZN	R&R CLEAN OUT 3487' TO 3502 WITH 1100 CFM AIR, 5 TO 6 BPH MIST WITH 1/4 GAL CORROSION INHIBITOR, 1 GAL 450 FOAMER PER 10 BARRELS OF WATER. WELL MAKING 4 BPH OF COAL.
	06:00 - 07:00	1.00	STIMOP	FCO	COMPZN	R&R CLEAN OUT 3487' TO 3502 WITH 1100 CFM AIR, 5 TO 6 BPH MIST WITH 1/4 GAL CORROSION INHIBITOR, 1 GAL 450 FOAMER PER 10 BARRELS OF WATER. WELL MAKING 4 BPH OF COAL.
	07:00 - 07:30	0.50	STIMOP	SFTY	COMPZN	PJSM WITH ALL PERSONEL ON LOCATION.
5/15/2004	07:30 - 19:00	11.50	STIMOP	FCO	COMPZN	R&R CLEAN OUT 3487' TO 3565' WITH 1100 CFM AIR, 5 TO 6 BPH MIST WITH 1/4 GAL CORROSION INHIBITOR, 1 GAL 450 FOAMER PER 10 BARRELS OF WATER. WELL MAKING 4 BPH OF COAL.
	19:00 - 19:30	0.50	STIMOP	SFTY	COMPZN	PJSM WITH ALL PERSONEL ON LOCATION.
	19:30 - 06:00	10.50	STIMOP	FCO	COMPZN	R&R CLEAN OUT 3565' TO 3597' WITH 1100 CFM AIR, 5 TO 6 BPH MIST WITH 1/4 GAL CORROSION INHIBITOR, 1 GAL 450 FOAMER PER 10 BARRELS OF WATER. WELL MAKING 4 BPH OF COAL.
5/16/2004	06:00 - 07:00	1.00	STIMOP	FCO	COMPZN	R&R CLEAN OUT 3565' TO 3597' WITH 1100 CFM AIR, 5 TO 6 BPH MIST WITH 1/4 GAL CORROSION INHIBITOR, 1 GAL 450 FOAMER

## Operations Summary Report

Legal Well Name: SAN JUAN 32-8 UNIT 222A

Common Well Name: SAN JUAN 32-8 UNIT 222A

Event Name: COMPLETION

Start: 5/6/2004

Spud Date: 4/23/2004

Contractor Name: KEY ENERGY SVCS

Rig Release: 6/1/2004

End: 6/1/2004

Rig Name: KEY 27

Rig Number: 27

Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
5/16/2004	06:00 - 07:00	1.00	STIMOP	FCO	COMPZN	PER 10 BARRELS OF WATER. WELL MAKING 4 BPH OF COAL.
	07:00 - 07:30	0.50	STIMOP	SFTY	COMPZN	PJSM WITH ALL PERSONEL ON LOCATION.
	07:30 - 08:00	0.50	STIMOP	PULD	COMPZN	LAY DOWN 10 JOINTS OF DRILL PIPE WITH POWER SWIVEL.
	08:00 - 19:00	11.00	STIMOP	CAV	COMPZN	SURGE #7, #8, #9, #10, AS FOLLOWS 1 GALLON OF SOAP DOWN DRILL PIPE, PUMP 5 BBLS OF WATER PRESSURE UP TO 400PSI WITH AIR MIST PUMP 5 BBLS OF WATER PRESSURE UP TO 800PSI WITH AIR MIST PUMP 5 BBLS OF WATER PRESSURE UP TO 1200PSI WITH AIR MIST RELEASE SURGE WHILE PUMPING AIR MIST AT 900CFM AND 5 BBL PER HOUR MIST. SURGE #7 DP 1100PSI CSG 1000 PSI SURGE #8 DP 1125PSI CSG 1050PSI SURGE #9 DP 1300PSI CSG 1150PSI SURGE #10 DP 1150PSI CSG 900PSI AFTER SURGES 9 & 10 HEAVY COAL TO SURFACE, GOOD BREAK DOWN ON BOTH SURGES.
	19:00 - 19:30	0.50	STIMOP	SFTY	COMPZN	PJSM WITH ALL PERSONEL ON LOCATION.
	19:30 - 20:00	0.50	STIMOP	PULD	COMPZN	GIH PICKING UP DRILL PIPE WITH POWER SWIVEL. TAG @ 3430'
	20:00 - 02:30	6.50	STIMOP	FCO	COMPZN	R&R CLEAN OUT 3430' TO 3510' WITH 1100 CFM AIR, 5 TO 6 BPH MIST WITH 1/4 GAL CORROSION INHIBITOR, 1 GAL 450 FOAMER PER 10 BARRELS OF WATER. WELL MAKING 4 BPH OF COAL, CLEAN OUT UNTIL WELL IS MAKING 1 BPH OF COAL.
	02:30 - 03:00	0.50	STIMOP	PULD	COMPZN	POH LAYING DOWN 8 JOINTS OF DRILL PIPE WITH POWER SWIVEL.
	03:00 - 06:00	3.00	STIMOP	CAV	COMPZN	SURGE #11, #12, AS FOLLOWS 1 GALLON OF SOAP DOWN DRILL PIPE, PUMP 5 BBLS OF WATER PRESSURE UP TO 400PSI WITH AIR MIST PUMP 5 BBLS OF WATER PRESSURE UP TO 800PSI WITH AIR MIST PUMP 5 BBLS OF WATER PRESSURE UP TO 1200PSI WITH AIR MIST RELEASE SURGE WHILE PUMPING AIR MIST AT 900CFM AND 5 BBL PER HOUR MIST. SURGE #11 DP 1200PSI CSG 1050 PSI SURGE #12 DP 1200PSI CSG 950PSI AFTER SURGES 11 & 12 HEAVY COAL TO SURFACE, BLOW WELL AFTER RELEASING SURGE # 12, MAKING HEAVY COAL.
	06:00 - 07:00	1.00	STIMOP	CAV	COMPZN	
	07:00 - 07:30	0.50	STIMOP	SFTY	COMPZN	PJSM WITH ALL PERSONEL ON LOCATION.
	07:30 - 19:00	11.50	STIMOP	CAV	COMPZN	SURGE #13, #14, #15, AS FOLLOWS 1 GALLON OF SOAP DOWN DRILL PIPE, PUMP 5 BBLS OF WATER PRESSURE UP TO 400PSI WITH AIR MIST PUMP 5 BBLS OF WATER PRESSURE UP TO 800PSI WITH AIR MIST PUMP 5 BBLS OF WATER



## Operations Summary Report

Legal Well Name: SAN JUAN 32-8 UNIT 222A  
 Common Well Name: SAN JUAN 32-8 UNIT 222A  
 Event Name: COMPLETION  
 Contractor Name: KEY ENERGY SVCS  
 Rig Name: KEY 27

Spud Date: 4/23/2004  
 Start: 5/6/2004  
 End: 6/1/2004  
 Rig Release: 6/1/2004  
 Group:  
 Rig Number: 27

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
5/17/2004	07:30 - 19:00	11.50	STIMOP	CAV	COMPZN	PRESSURE UP TO 1100PSI TO 1450PSI WITH AIR MIST. RELEASE SURGE WHILE PUMPING AIR MIST AT 900CFM AND 5 BBL PER HOUR MIST. SURGE #13 DP 1425PSI CSG 1225 PSI SURGE #14 DP 1100PSI CSG 950PSI SURGE #15 DP 1100PSI CSG 950PSI WELL IS MAKING HEAVY COAL AFTER RELEASING SURGES.
	19:00 - 19:30	0.50	STIMOP	SFTY	COMPZN	PJSM WITH ALL PERSONEL ON LOCATION.
	19:30 - 20:00	0.50	STIMOP	PULD	COMPZN	GIH PICKING UP DRILL PIPE WITH POWER SWIVEL. TAG @ 3315'
	20:00 - 06:00	10.00	STIMOP	FCO	COMPZN	R&R CLEAN OUT 3315' TO 3377' WITH 1100 CFM AIR, 5 TO 6 BPH MIST WITH 1/4 GAL CORROSION INHIBITOR, 1 GAL 450 FOAMER PER 10 BARRELS OF WATER. WELL MAKING 4 BPH OF COAL. MEDIUM TO HEAVY COAL TO SURFACE WITH NO WATER.
5/18/2004	06:00 - 07:00	1.00	STIMOP	FCO	COMPZN	R&R CLEAN OUT 3315' TO 3377' WITH 1100 CFM AIR, 5 TO 6 BPH MIST WITH 1/4 GAL CORROSION INHIBITOR, 1 GAL 450 FOAMER PER 10 BARRELS OF WATER. WELL MAKING 4 BPH OF COAL. MEDIUM TO HEAVY COAL TO SURFACE WITH NO WATER.
	07:00 - 07:30	0.50	STIMOP	SFTY	COMPZN	PJSM WITH ALL PERSONEL ON LOCATION.
	07:30 - 19:00	11.50	STIMOP	FCO	COMPZN	R&R CLEAN OUT 3377' TO 3502' WITH 1100 CFM AIR, 5 TO 6 BPH MIST WITH 1/4 GAL CORROSION INHIBITOR, 1 GAL 450 FOAMER PER 10 BARRELS OF WATER. WELL MAKING 6 TO 12 BPH OF COAL. HEAVY COAL TO SURFACE WITH NO WATER.
	19:00 - 19:30	0.50	STIMOP	SFTY	COMPZN	PJSM WITH ALL PERSONEL ON LOCATION.
5/19/2004	19:30 - 06:00	10.50	STIMOP	FCO	COMPZN	R&R CLEAN OUT @ 3502' WITH 1100 CFM AIR, 5 TO 6 BPH MIST WITH 1/4 GAL CORROSION INHIBITOR, 1 GAL 450 FOAMER PER 10 BARRELS OF WATER. WELL MAKING 6 TO 12 BPH OF COAL. HEAVY COAL TO SURFACE WITH NO WATER.
	06:00 - 07:00	1.00	STIMOP	FCO	COMPZN	R&R CLEAN OUT @ 3502' WITH 1100 CFM AIR, 5 TO 6 BPH MIST WITH 1/4 GAL CORROSION INHIBITOR, 1 GAL 450 FOAMER PER 10 BARRELS OF WATER. WELL MAKING 6 TO 12 BPH OF COAL. HEAVY COAL TO SURFACE WITH NO WATER.
	07:00 - 07:30	0.50	STIMOP	SFTY	COMPZN	PJSM WITH ALL PERSONEL ON LOCATION.
	07:30 - 19:00	11.50	STIMOP	FCO	COMPZN	R&R CLEAN OUT 3502' TO 3517' WITH 1100 CFM AIR, 5 TO 6 BPH MIST WITH 1/4 GAL CORROSION INHIBITOR, 1 GAL 450 FOAMER PER 10 BARRELS OF WATER. WELL MAKING 6 TO 12 BPH OF COAL. HEAVY COAL TO SURFACE WITH NO WATER.
5/20/2004	19:00 - 19:30	0.50	STIMOP	SFTY	COMPZN	PJSM WITH ALL PERSONEL ON LOCATION.
	19:30 - 06:00	10.50	STIMOP	FCO	COMPZN	R&R CLEAN OUT 3517' TO 3550' WITH 1100 CFM AIR, 5 TO 6 BPH MIST WITH 1/4 GAL CORROSION INHIBITOR, 1 GAL 450 FOAMER PER 10 BARRELS OF WATER. WELL MAKING 4 BPH OF COAL. MEDIUM TO HEAVY COAL TO SURFACE WITH NO WATER.
	06:00 - 07:00	1.00	STIMOP	FCO	COMPZN	R&R CLEAN OUT 3517' TO 3550' WITH 1100 CFM AIR, 5 TO 6 BPH MIST WITH 1/4 GAL CORROSION INHIBITOR, 1 GAL 450 FOAMER PER 10 BARRELS OF WATER. WELL MAKING 4 BPH OF COAL.

## Operations Summary Report

Legal Well Name: SAN JUAN 32-8 UNIT 222A  
 Common Well Name: SAN JUAN 32-8 UNIT 222A  
 Event Name: COMPLETION  
 Contractor Name: KEY ENERGY SVCS  
 Rig Name: KEY 27

Start: 5/6/2004  
 Rig Release: 6/1/2004  
 Rig Number: 27

Spud Date: 4/23/2004  
 End: 6/1/2004  
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
5/20/2004	06:00 - 07:00	1.00	STIMOP	FCO	COMPZN	MEDIUM TO HEAVY COAL TO SURFACE WITH NO WATER.
	07:00 - 07:30	0.50	STIMOP	SFTY	COMPZN	PJSM WITH ALL PERSONEL ON LOCATION.
	07:30 - 19:00	11.50	STIMOP	FCO	COMPZN	R&R CLEAN OUT 3550' TO 3565' WITH 1100 CFM AIR, 5 TO 6 BPH MIST WITH 1/4 GAL CORROSION INHIBITOR, 1 GAL 450 FOAMER PER 10 BARRELS OF WATER. WELL MAKING 5 BPH OF COAL. MEDIUM TO HEAVY COAL TO SURFACE WITH 2 TO 3 BBLS PER HOUR WATER.
	19:00 - 19:30	0.50	STIMOP	SFTY	COMPZN	PJSM WITH ALL PERSONEL ON LOCATION.
	19:30 - 06:00	10.50	STIMOP	FCO	COMPZN	R&R CLEAN OUT 3565' TO 3594' WITH 1100 CFM AIR, 5 TO 6 BPH MIST WITH 1/4 GAL CORROSION INHIBITOR, 1 GAL 450 FOAMER PER 10 BARRELS OF WATER. WELL MAKING 2 BPH OF COAL. MEDIUM COAL TO SURFACE WITH 2 TO 3 BBLS PER HOUR WATER.
5/21/2004	06:00 - 07:00	1.00	STIMOP	FCO	COMPZN	R&R CLEAN OUT 3565' TO 3594' WITH 1100 CFM AIR, 5 TO 6 BPH MIST WITH 1/4 GAL CORROSION INHIBITOR, 1 GAL 450 FOAMER PER 10 BARRELS OF WATER. WELL MAKING 2 BPH OF COAL. MEDIUM COAL TO SURFACE WITH 2 TO 3 BBLS PER HOUR WATER.
	07:00 - 07:30	0.50	STIMOP	SFTY	COMPZN	PJSM WITH ALL PERSONEL ON LOCATION.
	07:30 - 08:30	1.00	FLOWT	OTHR	COMPZN	TURN OFF MIST PUMP AND DRY WELL UP, LIGHT MIST WHILE BLOWING HOLE.
	08:30 - 09:00	0.50	FLOWT	PULD	COMPZN	PULL UP INTO CASING LAYING DOWN 10 JOINTS OF DRILL PIPE WITH POWER SWIVEL.
	09:00 - 10:00	1.00	FLOWT	PRDT	COMPZN	2" OPEN FLOW TEST INITIAL PRESSURE 3# ON GAUGE .750 # 539 MCFD 15 MINUTES - 3.0 # ON GAUGE .750 # 539 MCFD 30 MINUTES - 2.5 # ON GAUGE .625 # 492 MCFD 45 MINUTES - 2.5 # ON GAUGE .625 # 492 MCFD 60 MINUTES - 2.0 # ON GAUGE .500 # 434 MCFD
	10:00 - 11:30	1.50	FLOWT	PRDT	COMPZN	SHUT IN TEST INSP 2 PSI 15 MINUTES 30 PSI 30 MINUTES 45 PSI 45 MINUTES 100 PSI 60 MINUTES 140 PSI
	11:30 - 12:30	1.00	STIMOP	FCO	COMPZN	RELEASE AS NATURAL SURGE, LET WELL BLOW DOWN. GIH PICKING UP DRILL PIPE WITH POWER SWIVEL, KNOCK OUT BRIDGE @ 3490', CONTINUE IN HOLE, TAG FILL @ 3581', BLOW HOLE WITHOUT MIST, NO WATER TO UNLOAD. PULL UP INTO CASING LAYING DOWN 10 JOINTS OF DRILL PIPE WITH POWER SWIVEL.
	12:30 - 13:30	1.00	FLOWT	PRDT	COMPZN	2" OPEN FLOW TEST INITIAL PRESSURE 1.0# ON GAUGE .250 # 309 MCFD 15 MINUTES - 3.0 # ON GAUGE .750 # 539 MCFD 30 MINUTES - 3.0 # ON GAUGE .750 # 539 MCFD 45 MINUTES - 3.0 # ON GAUGE .750 # 539 MCFD 60 MINUTES - 3.0 # ON GAUGE .750 # 539 MCFD

## Operations Summary Report

Legal Well Name: SAN JUAN 32-8 UNIT 222A  
 Common Well Name: SAN JUAN 32-8 UNIT 222A  
 Event Name: COMPLETION  
 Contractor Name: KEY ENERGY SVCS  
 Rig Name: KEY 27

Start: 5/6/2004  
 Rig Release: 6/1/2004  
 Rig Number: 27

Spud Date: 4/23/2004  
 End: 6/1/2004  
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
5/21/2004	13:30 - 15:30	2.00	FLOWT	SIPB	COMPZN	SHUT IN TEST INSP 3 PSI 15 MINUTES 45 PSI 30 MINUTES 95 PSI 45 MINUTES 110 PSI 60 MINUTES 145 PSI 75 MINUTES 150 PSI
	15:30 - 06:00	14.50	STIMOP	CAV	COMPZN	RELEASE AS NATURAL SURGE, LET WELL BLOW DOWN. SURGE #16, #17, #18, AS FOLLOWS 1 GALLON OF SOAP DOWN DRILL PIPE, PUMP 5 BBLS OF WATER PRESSURE UP TO 400PSI WITH AIR MIST PUMP 5 BBLS OF WATER PRESSURE UP TO 800PSI WITH AIR MIST PUMP 5 BBLS OF WATER PRESSURE UP TO 1100PSI TO 1450PSI WITH AIR MIST. RELEASE SURGE WHILE PUMPING AIR MIST AT 900CFM AND 5 BBL PER HOUR MIST. SURGE #16 DP 850PSI CSG 750 PSI SURGE #17 DP 950PSI CSG 850PSI SURGE #18 DP 1090PSI CSG 1000PSI WELL IS MAKING HEAVY COAL AFTER RELEASING SURGES. LET WELL CLEAN UP AFTER RELEASING SURGE # 18.
5/22/2004	06:00 - 07:00	1.00	STIMOP	CAV	COMPZN	LET WELL CLEAN UP AFTER RELEASING SURGE # 18.
	07:00 - 07:30	0.50	STIMOP	SFTY	COMPZN	PJSM WITH ALL PERSONEL ON LOCATION.
	07:30 - 09:00	1.50	STIMOP	CAV	COMPZN	SURGE #19, AS FOLLOWS 1 GALLON OF SOAP DOWN DRILL PIPE, PUMP 5 BBLS OF WATER PRESSURE UP TO 400PSI WITH AIR MIST PUMP 5 BBLS OF WATER PRESSURE UP TO 800PSI WITH AIR MIST PUMP 5 BBLS OF WATER PRESSURE UP TO 1100PSI TO 1450PSI WITH AIR MIST. RELEASE SURGE WHILE PUMPING AIR MIST AT 900CFM AND 5 BBL PER HOUR MIST. SURGE #19 DP 1300PSI CSG 1200 PSI WELL IS MAKING HEAVY COAL AFTER RELEASING SURGES.
	09:00 - 09:30	0.50	STIMOP	FCO	COMPZN	GIH PICKING UP DRILL PIPE WITH POWER SWIVEL, TAG @ 3549'
	09:30 - 19:00	9.50	STIMOP	FCO	COMPZN	R&R CLEAN OUT FROM 3350' -3439' WITH 1100 CFM AIR, 5 TO 6 BPH MIST WITH 1/4 GAL CORROSION INHIBITOR, 1 GAL 450 FOAMER PER 10 BARRELS OF WATER. WELL MAKING 2 BPH OF COAL. MEDIUM COAL TO SURFACE WITH 2 TO 3 BBLS PER HOUR WATER.
	19:00 - 19:30	0.50	STIMOP	SFTY	COMPZN	CREW CHANGE, SAFTY MEETING.
5/23/2004	19:30 - 06:00	10.50	RPEQPT	CIRC	COMPZN	R&R CLEAN OUT AT 3439' WITH 1100 CFM AIR, 5 TO 6 BPH MIST WITH 1/4 GAL CORROSION INHIBITOR, 1 GAL 450 FOAMER PER 10 BARRELS OF WATER. WELL MAKING 4 TO 5 BKTS PER HR COAL.
	06:00 - 07:00	1.00	RPEQPT	CIRC	COMPZN	R&R CLEAN OUT AT 3465' WITH 1100 CFM AIR, 5 TO 6 BPH MIST WITH 1/4 GAL CORROSION INHIBITOR, 1 GAL 450 FOAMER PER 10 BARRELS OF WATER. WELL MAKING 4 TO 5 BKTS PER HR COAL.
	07:00 - 07:30	0.50	RPEQPT	CIRC	COMPZN	CREW CHANGE, SAFTY MEETING, SERVICE RIG.
	07:30 - 19:00	11.50	RPEQPT	CIRC	COMPZN	R&R CLEAN OUT@ 3465' WITH 1100 CFM AIR, 5 TO 6 BPH MIST

## Operations Summary Report

Legal Well Name: SAN JUAN 32-8 UNIT 222A  
 Common Well Name: SAN JUAN 32-8 UNIT 222A  
 Event Name: COMPLETION  
 Contractor Name: KEY ENERGY SVCS  
 Rig Name: KEY 27

Spud Date: 4/23/2004  
 Start: 5/6/2004  
 End: 6/1/2004  
 Rig Release: 6/1/2004  
 Rig Number: 27  
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
5/23/2004	07:30 - 19:00	11.50	RPEQPT	CIRC	COMPZN	WITH 1/4 GAL CORROSION INHIBITOR, 1 GAL 450 FOAMER PER 10 BARRELS OF WATER. WELL MAKING 4 BKTS DOWN TO 1 BKT PER HR, MAKE CONECTION . R&R CLEAN OUT FROM 3465'-3491' COAL.
	19:00 - 19:30	0.50	RPEQPT	SFTY	COMPZN	CREW CHANGE, SAFTY MEETING.
	19:30 - 06:00	10.50	RPEQPT	CIRC	COMPZN	R&R CLEAN OUT AT 3491' WITH 1100 CFM AIR, 5 TO 6 BPH MIST WITH 1/4 GAL CORROSION INHIBITOR, 1 GAL 450 FOAMER PER 10 BARRELS OF WATER. WELL MAKING 4 BKTS PER HR.
5/24/2004	06:00 - 06:00	24.00	EVALFM	CIRC	COMPZN	SAFETY MEETING @ START OF OPERATION'S = R&R CLEAN OUT AT 3491' WITH 1100 CFM AIR, 5 TO 6 BPH MIST WITH 1/4 GAL CORROSION INHIBITOR, 1 GAL 450 FOAMER PER 10 BARRELS OF WATER. WELL MAKING 4 BKTS PER HR.
5/25/2004	06:00 - 06:00	24.00	EVALFM	CIRC	COMPZN	SAFETY MEETING @ START OF OPERATION'S = R&R CLEAN OUT AT 3491'-T/3597' W / 1100 CFM AIR, 5 TO 6 BPH MIST, 1/4 GAL CORROSION INHIBITOR, 1 GAL 450 FOAMER PER 10 BARRELS OF WATER, 350# DP PRESSURE, 1 TO 3 POINT'S ON BIT, 65 TO 75 RPM'S = RETURN'S TO SURFACE, MED TO LIGHT COAL & FINE'S W / 2 TO 3 BPH WATER GAIN = 5 DOWN TO 1 BUCKET'S PER HOUR OFF SAMPLE CATCHER = 95% TO 100% COAL
5/26/2004	06:00 - 10:00	4.00	EVALFM	OTHR	COMPZN	SAFETY MEETING @ START OF OPERATION'S = R&R C/O T/3597' W / 1100 SCFM AIR, 6 BPH MSIT, 1 GAL OF 450 FOAMER, 1/4 GAL OF CORROSION IHIBITOR, 300# DP PRESSURE, 65 TO 75 RPM'S, 1 TO 2 POINT'S ON BIT = RETURN'S TO SURFACE, LIGHT COAL & FINE'S W / 2.5 BPH WATER GAIN = 3 DOWN TO 1 BUCKET'S PER HOUR OFF SAMPLE CATCHER = 95% TO 100% COAL
	10:00 - 10:30	0.50	EVALFM	TRIP	COMPZN	PUH INSIDE 7" CSG W / BHA
	10:30 - 11:30	1.00	EVALFM	PRDT	COMPZN	2" OPEN FLOW TEST W / PITOT TIME = MANIFOLD = PITOT = MCFD = WATER IFP = 3# = 0.75# = 539 = TRACE 15 MIN'S = 5# = 1.25# = 816 = LIGHT M. 30 MIN'S = 5# = 1.25# = 816 = LIGHT M. 45 MIN'S = 5# = 1.25# = 816 = LIGHT M. 1 HR = 5# = 1.25# = 816 = LIGHT M
	11:30 - 16:00	4.50	EVALFM	SIPB	COMPZN	SHUT IN BUILD UP TEST TIME = PRESSURE ISIP = 15# 15 MIN'S = 65# 30 MIN'S = 110# 45 MIN'S = 130# 1 HR = 150# 1:15 MIN'S = 155# 1:30 MIN'S = 160# 1:45 MIN'S = 165# 2 HR'S = 170# 3 HR'S = 175# 4 HR'S = 178#
	16:00 - 22:00	6.00	EVALFM	OTHR	COMPZN	SURGED W / 3 NATURAL FORMATION PRESSURE OF 170#
	22:00 - 22:30	0.50	EVALFM	TRIP	COMPZN	RIH FROM 7" CSG & TAG @ 3487'
	22:30 - 06:00	7.50	EVALFM	OTHR	COMPZN	R&R C/O F/3487'-T/3502' W / 1100 SCFM AIR, 6 BPH MIST, 1 GAL OF 450 FOAMER, 1/4 GAL OF CORROSION INHIBITOR, 300# DP PRESSURE, 65 TO 75 RPM'S, 1 TO 4 POINT'S ON BIT = RETURN'S TO SURFACE, MED TO LIGHT COAL & FINE'S W / 2 TO 3 BPH

CONOCOPHILLIPS CO  
**Operations Summary Report**

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Legal Well Name: SAN JUAN 32-8 UNIT 222A  
Common Well Name: SAN JUAN 32-8 UNIT 222A  
Event Name: COMPLETION  
Contractor Name: KEY ENERGY SVCS  
Rig Name: KEY 27

Spud Date: 4/23/2004  
Start: 5/6/2004  
End: 6/1/2004  
Rig Release: 6/1/2004  
Group:  
Rig Number: 27

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
5/26/2004	22:30 - 06:00	7.50	EVALFM	OTHR	COMPZN	WATER GAIN = 5 DOWN TO 2 BUCKET'S PER HOUR OFF SAMPLE CATCHER = 95% TO 100% COAL
5/27/2004	06:00 - 07:00	1.00	STIMOP	FCO	COMPZN	R&R C/O F/3487'-T/3502' W / 1100 SCFM AIR, 6 BPH MIST, 1 GAL OF 450 FOAMER, 1/4 GAL OF CORROSION INHIBITOR, 300# DP PRESSURE, 65 TO 75 RPM'S, 1 TO 4 POINT'S ON BIT RETURN'S TO SURFACE, MED TO LIGHT COAL & FINE'S W / 2 TO 3 BPH WATER GAIN 5 DOWN TO 2 BUCKET'S PER HOUR OFF SAMPLE CATCHE 95% TO 100% COAL
	07:00 - 07:30	0.50	STIMOP	SFTY	COMPZN	PJSM WITH ALL PERSONEL ON LOCATION.
	07:30 - 19:00	11.50	STIMOP	FCO	COMPZN	R&R CLEAN OUT, 3502' TO 3560' WITH 1100 SCFM AIR, 6 BPH MIST, 1 GAL OF 450 FOAMER, 1/4 GAL OF CORROSION INHIBITOR, 300# DP PRESSURE, 65 TO 75 RPM'S, 1 TO 4 POINT'S ON BIT RETURN'S TO SURFACE, MED TO LIGHT COAL & FINE'S W / 2 TO 3 BPH WATER GAIN 10 DOWN TO 2 BUCKET'S PER HOUR OFF SAMPLE CATCHER 95% TO 100% COAL
	19:00 - 19:30	0.50	STIMOP	SFTY	COMPZN	PJSM WITH ALL PERSONEL ON LOCATION.
	19:30 -		STIMOP	FCO	COMPZN	R&R CLEAN OUT 3560' TO 3580' WITH 1100 SCFM AIR, 6 BPH MIST, 1 GAL OF 450 FOAMER, 1/4 GAL OF CORROSION INHIBITOR, 300# DP PRESSURE, 65 TO 75 RPM'S, 1 TO 4 POINT'S ON BIT RETURN'S TO SURFACE, MED TO LIGHT COAL & FINE'S W / 2 TO 3 BPH WATER GAIN 5 DOWN TO 3 BUCKET'S PER HOUR OFF SAMPLE CATCHER 95% TO 100% COAL
5/28/2004	06:00 - 07:00	1.00	STIMOP	FCO	COMPZN	R&R CLEAN OUT 3560' TO 3580' WITH 1100 SCFM AIR, 6 BPH MIST, 1 GAL OF 450 FOAMER, 1/4 GAL OF CORROSION INHIBITOR, 300# DP PRESSURE, 65 TO 75 RPM'S, 1 TO 4 POINT'S ON BIT RETURN'S TO SURFACE, MED TO LIGHT COAL & FINE'S W / 2 TO 3 BPH WATER GAIN 5 DOWN TO 3 BUCKET'S PER HOUR OFF SAMPLE CATCHER 95% TO 100% COAL
	07:00 - 07:30	0.50	STIMOP	FCO	COMPZN	PJSM WITH ALL PERSONEL ON LOCATION.
	07:30 - 08:00	0.50	STIMOP	FCO	COMPZN	R&R CLEAN OUT 3560' TO 3580' WITH 1100 SCFM AIR, 6 BPH MIST, 1 GAL OF 450 FOAMER, 1/4 GAL OF CORROSION INHIBITOR, 300# DP PRESSURE, 65 TO 75 RPM'S, 1 TO 4 POINT'S ON BIT RETURN'S TO SURFACE, MED TO LIGHT COAL & FINE'S W / 2 TO 3 BPH WATER GAIN 5 DOWN TO 3 BUCKET'S PER HOUR OFF SAMPLE CATCHER 95% TO 100% COAL
	08:00 - 08:30	0.50	STIMOP	PRDT	COMPZN	TURN OFF MIST PUMP AND BLOW WELL DRY.
	08:30 - 08:45	0.25	FLOWT	PULD	COMPZN	PULL UP INTO CASING LAYING DOWN 10 JOINTS OF DRILL PIPE WITH POWER SWIVEL.
	08:45 - 09:45	1.00	FLOWT	PRDT	COMPZN	2" OPEN FLOW TEST INITIAL PRESSURE 5# ON GAUGE 1.25# 687 MCFD 15 MINUTES - 9.0 # ON GAUGE 2.25 # 913 MCFD 30 MINUTES - 9.0 # ON GAUGE 2.25 # 913 MCFD 45 MINUTES - 12 # ON GAUGE 3.00 # 1065 MCFD 60 MINUTES - 13 # ON GAUGE 3.25 # 1118 MCFD LIGHT MIST TO SURFACE ON LAST PRESSURE READING.
	09:45 - 10:45	1.00	FLOWT	SIPB	COMPZN	SHUT IN TEST INSP 20 PSI 15 MINUTES 95 PSI 30 MINUTES 125 PSI 45 MINUTES 150 PSI 60 MINUTES 160 PSI
	10:45 - 11:00	0.25	FLOWT	SIPB	COMPZN	BLOW WELL DOWN THROUGH 2" MANIFOLD LINE.

## Operations Summary Report

Legal Well Name: SAN JUAN 32-8 UNIT 222A  
 Common Well Name: SAN JUAN 32-8 UNIT 222A  
 Event Name: COMPLETION  
 Contractor Name: KEY ENERGY SVCS  
 Rig Name: KEY 27

Spud Date: 4/23/2004  
 Start: 5/6/2004  
 End: 6/1/2004  
 Rig Release: 6/1/2004  
 Group:  
 Rig Number: 27

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
5/28/2004	11:00 - 19:00	8.00	STIMOP	SIPB	COMPZN	NATURAL SURGE # 7 180 PSI NATURAL SURGE # 8 180 PSI NATURAL SURGE # 9 180 PSI NATURAL SURGE #10 180 PSI TOTAL NATURAL SURGES INCLUDE RELEASE AFTER SHUT IN TESTS.
	19:00 - 19:30	0.50	STIMOP	SFTY	COMPZN	PJSM WITH ALL PERSONEL ON LOCATION.
	19:30 - 20:00	0.50	STIMOP	PULD	COMPZN	GIH PICKING UP DRILL PIPE WITH POWER SWIVEL. TAG @ 3555'
	20:00 - 06:00	10.00	STIMOP	FCO	COMPZN	R&R CLEAN OUT 3555' TO 3575' WITH 1100 SCFM AIR, 6 BPH MIST, 1 GAL OF 450 FOAMER, 1/4 GAL OF CORROSION INHIBITOR, 300# DP PRESSURE, 65 TO 75 RPM'S, 1 TO 4 POINT'S ON BIT RETURN'S TO SURFACE, MED TO LIGHT COAL & FINE'S W / 2 TO 3 BPH WATER GAIN 5 DOWN TO 4 BUCKET'S PER HOUR OFF SAMPLE CATCHER 95% TO 100% COAL
5/29/2004	06:00 - 07:00	1.00	STIMOP	FCO	COMPZN	R&R CLEAN OUT 3555' TO 3575' WITH 1100 SCFM AIR, 6 BPH MIST, 1 GAL OF 450 FOAMER, 1/4 GAL OF CORROSION INHIBITOR, 300# DP PRESSURE, 65 TO 75 RPM'S, 1 TO 4 POINT'S ON BIT RETURN'S TO SURFACE, MED TO LIGHT COAL & FINE'S W / 2 TO 3 BPH WATER GAIN 5 DOWN TO 4 BUCKET'S PER HOUR OFF SAMPLE CATCHER 95% TO 100% COAL
	07:00 - 07:30	0.50	STIMOP	SFTY	COMPZN	PJSM WITH ALL PERSONEL ON LOCATION.
	07:30 - 08:30	1.00	STIMOP	FCO	COMPZN	R&R CLEAN OUT @ 3597' WITH 1100 SCFM AIR, 6 BPH MIST, 1 GAL OF 450 FOAMER, 1/4 GAL OF CORROSION INHIBITOR, 300# DP PRESSURE, 65 TO 75 RPM'S, 1 TO 4 POINT'S ON BIT RETURN'S TO SURFACE, MED TO LIGHT COAL & FINE'S W / 2 TO 3 BPH WATER GAIN 5 DOWN TO 4 BUCKET'S PER HOUR OFF SAMPLE CATCHER 95% TO 100% COAL
	08:30 - 09:00	0.50	FLOWT	OTHR	COMPZN	TURN OFF MIST PUMP AND DRY HOLE UP.
	09:00 - 09:15	0.25	FLOWT	PULD	COMPZN	PULL UP INTO CASING LAYING DOWN 10 JOINTS OF DRILL PIPE WITH POWER SWIVEL.
	09:15 - 10:30	1.25	FLOWT	PRDT	COMPZN	2" OPEN FLOW TEST INITIAL PRESSURE 5# ON GAUGE 1.25# 687 MCFD 15 MINUTES - 11 # ON GAUGE 2.75 # 1030 MCFD 30 MINUTES - 11 # ON GAUGE 2.75 # 1030 MCFD 45 MINUTES - 12 # ON GAUGE 3.00 # 1065 MCFD 60 MINUTES - 17 # ON GAUGE 4.25 # 1270 MCFD LIGHT MIST TO SURFACE ON LAST PRESSURE READING, PRESSURE SURGING FROM 15PSI TO 17PSI
	10:30 - 11:00	0.50	STIMOP	FCO	COMPZN	GIH PICKING UP DRILL PIPE WITH POWER SWIVEL. TAG @ 3505'
	11:00 - 18:30	7.50	STIMOP	FCO	COMPZN	R&R CLEAN OUT 3505' TO 3659' WITH 1100 SCFM AIR, 6 BPH MIST, 1 GAL OF 450 FOAMER, 1/4 GAL OF CORROSION INHIBITOR, 2 GALLONS SS-1200 POLYMER, 300# DP PRESSURE, 65 TO 75 RPM'S, 1 TO 4 POINT'S ON BIT RETURN'S TO SURFACE, MED TO LIGHT COAL & FINE'S W / 2 TO 3 BPH WATER GAIN 5 DOWN TO 1 BUCKET'S PER HOUR OFF SAMPLE CATCHER 95% TO 100% COAL
	18:30 - 19:00	0.50	STIMOP	CIRC	COMPZN	CIRCULATE AND CONDITION HOLE TO RUN LINER.
	19:00 - 19:30	0.50	STIMOP	SFTY	COMPZN	PJSM WITH ALL PERSONEL ON LOCATION.
	19:30 - 20:30	1.00	STIMOP	CIRC	COMPZN	CIRCULATE AND CONDITION HOLE TO RUN LINER.
	20:30 - 21:00	0.50	STIMOP	PULD	COMPZN	SHORT TRIP, LAY DOWN 12 JOINTS OF DRILL PIPE WITH POWER SWIVEL.
	21:00 - 22:00	1.00	STIMOP	OTHR	COMPZN	WAIT FOR 1 HOUR, FLOWING WELL OUT BLOOIE LINE.

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

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Legal Well Name: SAN JUAN 32-8 UNIT 222A  
Common Well Name: SAN JUAN 32-8 UNIT 222A  
Event Name: COMPLETION  
Contractor Name: KEY ENERGY SVCS  
Rig Name: KEY 27

Spud Date: 4/23/2004  
Start: 5/6/2004  
End: 6/1/2004  
Rig Release: 6/1/2004  
Group:  
Rig Number: 27

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
5/29/2004	22:00 - 22:30	0.50	STIMOP	PULD	COMPZN	GIH PICKING UP DRILL PIPE WITH POWER SWIVEL. TAG @ 3565'
	22:30 - 00:30	2.00	STIMOP	FCO	COMPZN	R&R CLEAN OUT 3565' TO 3659' WITH 1100 SCFM AIR, 6 BPH MIST, 1 GAL OF 450 FOAMER, 1/4 GAL OF CORROSION INHIBITOR, 2 GALLONS SS-1200 POLYMER, 300# DP PRESSURE, 65 TO 75 RPM'S, 1 TO 4 POINT'S ON BIT RETURN'S TO SURFACE, MED TO LIGHT COAL & FINE'S W / 2 TO 3 BPH WATER GAIN 5 DOWN TO 1 BUCKET'S PER HOUR OFF SAMPLE CATCHER 95% TO 100% COAL CIRCULATE AND CONDITION HOLE TO RUN LINER.
	00:30 - 03:00	2.50	STIMOP	CIRC	COMPZN	TURN OFF MIST PUMP AND BLOW WELL DRY WITH AIR.
	03:00 - 03:15	0.25	STIMOP	OTHR	COMPZN	LAY DOWN 13 JOINTS OF DRILL PIPE WITH POWER SWIVEL.
	03:15 - 04:30	1.25	STIMOP	PULD	COMPZN	RIG DOWN AND HANG POWER SWIVEL IN DERRICK.
5/30/2004	04:30 - 06:00	1.50	STIMOP	TRIP	COMPZN	TRIP OUT OF HOLE TO RUN LINER.
	06:00 - 07:00	1.00	CASING	OTHR	COMPZN	RIG UP FLOOR TO RUN LINER. CHANGE #1 RAMS TO 5 1/2 AND TEST.
	07:00 - 07:30	0.50	CASING	SFTY	COMPZN	PJSM AND JSA FOR RUNNING LINER WITH ALL PERSONEL ON LOCATION.
	07:30 - 10:00	2.50	CASING	PUTB	COMPZN	GIH W/ 5-1/2" 15.5 PPF J-55 LT&C CASING / LINER AS FOLLOWS:  6-1/16" OD BLADED SHOE W/ FLOAT VALVE - 1.07' 9- JTS 5-1/2" CASING - 390.34' 6-1/8" TIW "H" ROTATING SET COLLAR - 2.40' TOTAL LINER ASSEMBLY - 393.81' GIH W/ TOTAL OF 104 JTS 2-7/8" DRILLPIPE T/3659'KB.  RU POWER SWIVEL- GIH W/ 5-1/2" LINER ASSEMBLY C/O BRIDGE @ 3590' TAG UP @3659'KB,PBTD. SET 5-1/2" LINER ASSEMBLY F/ 3267'-3658'KB EOL- W/ PBTD @ 3658'KB- RELEASE OFF OF LINER ASSEMBLY TOL @ 3265'KB.
	10:00 - 11:00	1.00	CASING	PULD	COMPZN	PICK UP AND RIG UP POWER SWIVEL, CLEAN OUT TO 3659' WITH 1100 CFM AIR, 5 TO 6 BPH MIST WITH 1/4 GAL CORROSION INHIBITOR, 1 GAL 450 FOAMER, 2 GALLONS SS-1200 POLYMER PER 10 BARRELS OF WATER. RELEASE FROM LINER.
	11:00 - 12:00	1.00	CASING	OTHR	COMPZN	RIG DOWN AND LOAD OUT POWER SWIVEL.
	12:00 - 15:00	3.00	STIMOP	PULD	COMPZN	LAY DOWN DRILL PIPE, TRIP IN HOLE WITH DRILL COLLARS AND LAY DOWN SAME.
	15:00 - 16:00	1.00	STIMOP	OTHR	COMPZN	SECURE WELL AND SHUT DOWN FOR THE NIGHT. WELL FLOWING AT 20PSI THROUGH 2" LINE 20 # ON GAUGE 5.00 # 1374 MCFD
	07:00 - 07:30	0.50	STIMOP	SFTY	COMPZN	PJSM WITH ALL PERSONEL ON LOCATION.
	07:30 - 08:00	0.50	STIMOP	OTHR	COMPZN	CHECK AND WARM UP MOTORS, CHANGE RAMS TO 2 3/8.
5/31/2004	08:00 - 08:15	0.25	PERFOP	PERF	COMPZN	JSA AND SAFETY MEETING WITH ALL PERSONEL.
	08:15 - 11:00	2.75	PERFOP	PERF	COMPZN	RIG UP BLUE JET AND TEST LUBRICATOR TO 200PSI.



## Operations Summary Report

Legal Well Name: SAN JUAN 32-8 UNIT 222A  
 Common Well Name: SAN JUAN 32-8 UNIT 222A  
 Event Name: COMPLETION  
 Contractor Name: KEY ENERGY SVCS  
 Rig Name: KEY 27

Start: 5/6/2004  
 Rig Release: 6/1/2004  
 Rig Number: 27

Spud Date: 4/23/2004  
 End: 6/1/2004  
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
5/31/2004	08:15 - 11:00	2.75	PERFOP	PERF	COMPZN	PERFORATE AS FOLLOWS. PERFORATE AT FOLLOWING INTERVALS. 3356' - 3360' = 4' 16 SHOTS 3363' - 3370' = 7' 28 SHOTS 3408' - 3417' = 9' 36 SHOTS 3482' - 3491' = 9' 36 SHOTS 3493' - 3496' = 3' 12 SHOTS 3498' - 3504' = 6' 24 SHOTS 3533' - 3544' = 11' 44 SHOTS 3549' - 3561' = 12' 48 SHOTS  4 SHOTS PER FOOT, 244 TOTAL SHOTS. 4 WIRELINE RUNS.
	11:00 - 12:30	1.50	RPCOMP	OTHR	COMPZN	BLOW WELL DOWN AND PREPARE TO RUN TUBING.
	12:30 - 15:00	2.50	RPCOMP	PULD	COMPZN	GIH W/ 29.83' X 2-7/8" 8RD EUE BOX ORANGE PEELED MUD ANCHOR W/ 8-(1/4" X 8") SLOTS, 2-7/8" X 2-3/8" EUE 8RD X-O COLLAR (0.50") , W/ 0.85' x 2-3/8" OD X 1.78" ID "F" NIPPLE CONTAINING BLANKING PLUG (PT BP IN FN T/ 1000 PSIG 5-25-2004 @ B&R SERVICE'S SHOP), W/ 2-3/8" X 6' PUP JOINTS- W/ 113 JTS 2-3/8" EUE 8RD 4.7 PPF J-55 TBG MEASURING (3572.39')- LAND TBG W/ 2-3/8" EUE 8RD X 7-1/16" TBG HGR EOT / MUD ANCHOR @ 3621'KB. 1/4" X 8" SLOTS 3594'KB. 1.78" FN @ 3591'KB. PERF INTERVAL 3356'-3561'KB. TOP OF LINER @ 3265'KB.
	15:00 - 17:00	2.00	TREBOP	NUND	COMPZN	NIPPLE DOWN BOPS AND RIG UP TO RUN RODS. SECURE WELL AND SHUT DOWN FOR THE NIGHT. SHUT DOWN FOR THE HOLIDAY.
6/1/2004	07:00 - 17:00	10.00				
6/2/2004	07:00 - 07:30	0.50	STIMOP	SFTY	COMPZN	PJSM WITH ALL PERSONEL ON LOCATION.
	07:30 - 08:00	0.50	STIMOP	OTHR	COMPZN	WARM UP AND SERVICE ALL MOTORS.
	08:00 - 09:30	1.50	STIMOP	SFTY	COMPZN	JSA AND PRESSURE TEST LUBRICATOR TO PSI PULL PLUG FROM FROM F-NIPPLE WITH SLICKLINE.
	09:30 - 12:00	2.50	STIMOP	ALFT	COMPZN	RU TO RUN RODS- FUNCTION TEST INSERT PUMP (OK)- GIH W/ 12" STRAINER ATTACHED BELOW 2" X 1 1/2" X 12' RWAC-Z INSERT PUMP SN: (CP124) W/ 4' PONY ROD AND 143 3/4" NORRIS, TYPE 78, API GRADE "D" RODS & SPACE OUT W/ 8' & 4' PONY ROD, 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 @ 3591'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.
	12:00 - 18:00	6.00	MOVE	RURD	DEMOB	RIG DOWN AND PREPARE TO MOVE RIG. RIG RELEASED @ 1800 HRS 6/1/2004