

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 ☐ Oil Well ☐ Gas Well ☐ Dry ☒ Other: CBM		5. Lease Serial No. NMSF079047	
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr. Other _____		6. If Indian, Allottee or Tribe Name	
2. Name of Operator CONOCOPHILLIPS COMPANY		7. Unit or CA Agreement Name and No. NMMN78424B	
3. Address PO BOX 2197 WL3 6054 HOUSTON, TX 77252		8. Lease Name and Well No. SAN JUAN 32-8 238A	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* Sec 23 T31N R8W Mer NMP At surface NENW 760FNL 1350FWL 36.88805 N Lat, 107.64888 W Lon At top prod interval reported below At total depth		9. API Well No. 30-045-32293-00-S1	
14. Date Spudded 06/22/2004		10. Field and Pool, or Exploratory BASIN FRUITLAND COAL	
15. Date T.D. Reached 07/21/2004		11. Sec., T., R., M., or Block and Survey or Area Sec 23 T31N R8W Mer NMP	
16. Date Completed ☐ D & A ☒ Ready to Prod. 07/29/2004		12. County or Parish SAN JUAN	
17. Elevations (DF, KB, RT, GL)* 6629 GL		13. State NM	
18. Total Depth: MD 3602 TVD		19. Plug Back T.D.: MD 3601 TVD	
20. Depth Bridge Plug Set: MD TVD		21. Type Electric & Other Mechanical Logs Run (Submit copy of each) MUDLOG	
22. Was well cored? ☒ No ☐ Yes (Submit analysis) Was DST run? ☒ No ☐ Yes (Submit analysis) Directional Survey? ☐ No ☒ 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	3282		535		0	
6.250	5.500 J-55	16.0	3242	3602		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	3588							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) FRUITLAND COAL	3300	3510	3300 TO 3510	0.750	260	OPEN
B)						
C)						
D)						

26. Perforation Record

Depth Interval	Amount and Type of Material

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

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
07/29/2004	07/25/2004	24	→	0.0	1271.0	0.0			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	17.0	→	0	1271	0		GSI	

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
			→						ACCEPTED FOR RECORD
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
SI	SI		→						AUG 12 2004

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

ELECTRONIC SUBMISSION #34409 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED **

FARMINGTON FIELD OFFICE

NMOC

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	903		NACIMIENTO	852
NACIMIENTO	903	2265		OJO ALAMO	2337
OJO ALAMO	2265	2395		KIRTLAND	2452
				FRUITLAND	3105
				PICTURED CLIFFS	3602

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 #34409 Verified by the BLM Well Information System.
For CONOCOPHILLIPS COMPANY, sent to the Farmington
Committed to AFMSS for processing by ADRIENNE BRUMLEY on 08/12/2004 (04AXB3144SE)

Name (please print) JUANITA FARRELL

Title AUTHORIZED REPRESENTATIVE

Signature (Electronic Submission)

Date 08/11/2004

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 ****

ConocoPhillips

END OF WELL SCHEMATIC

Well Name: San Juan 32-8 # 238A

API #: 30-045-32293

Location: 760' FNL & 1350' FWL

Sec. 23 - T31N - R8W

San Juan County, NM

Elevation: 6629' GL (above MSL)

Drl Rig RKB: 13' above Ground Level

Datum: Drl Rig RKB = 13' above GL

Spud: 22-Jun-04

Release Drl Rig: 26-Jun-04

Move In Cav Rig: 18-Jul-04

Release Cav Rig: 27-Jul-04

Note - this well is equipped with rods & 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

Surface Casing Date set: 22-Jun-04

Size 9 5/8 in

Set at 234 ft

Wt. 32.3 ppf

Hole Size 12 1/4 in

Excess Cmt 125 %

T.O.C. SURFACE

Jnts: 5

Grade H-40

Conn STC

Csg Shoe 234 ft

TD of 12-1/4" hole 244 ft

Notified BLM @ 1445 hrs on 21-Jun-04

Notified NMOCD @ 1445 hrs on 21-Jun-04

Intermediate Casing Date set: 25-Jun-04

Size 7 in

Set at 3282 ft

Wt. 20 ppf

Hole Size 8 3/4 in

Excess Cmt 160 %

T.O.C. SURFACE

Pup @ ft

Pup @ ft

Notified BLM @ hrs on

Notified NMOCD @ hrs on

76 jts

0 pups

Grade J-55

Conn STC

Top of Float Collar 3236 ft

Bottom of Casing Shoe 3282 ft

TD of 8-3/4" Hole 3290 ft

Production Liner Date set: 25-Jul-04

Size 5 1/2 in

Nominal Wt. 15.5 ppf

Grade J-55

Jnts: 8

Hole Size 6.25 / 9.5 inches

Underreamed 6-1/4" hole to 9.5" from 3286' to 3602'

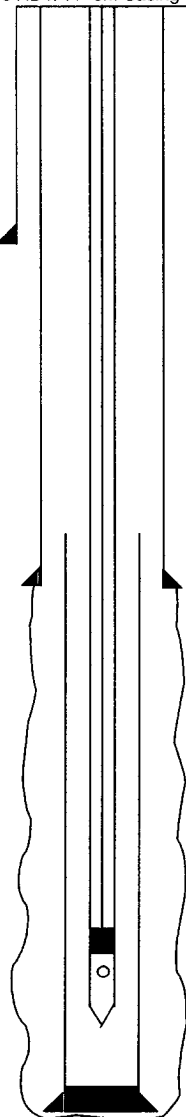
Top of Liner 3242 ft

PBDT 3601 ft

Bottom of Liner 3602 ft

Connections: LTC

This well was NOT cavitated.

☒ New
☐ Used☒ New
☐ Used☒ New
☐ Used

TD 3,602 ft

Surface Cement

Date cmt'd: 23-Jun-04

Lead: 150 sx Class G Cement

+ 2% BWOC S001 Calcium Chloride

+ 0.25 lb/sx D029 Cellophane Flakes

1.16 cuft/sx, 174.0 cuft slurry at 15.8 ppg

Displacement: 15.0 bbls fresh wtr

Bumped Plug at: 01:02 hrs w/ 270 psi

Final Circ Press: 60 psi @ 0.9 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 9.50 hrs (plug bump to test csg)

Intermediate Cement

Date cmt'd: 25-Jun-04

Lead: 435 sx Class G Cement

+ 3% D079 Extender

+ 0.25 lb/sx D029 Cellophane Flakes

+ 0.2% D046 Antifoam

2.61 cuft/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 Gilsontite

+ 0.25 lb/sx D029 Cellophane Flakes

+ 0.2% D046 Antifoam

1.27 cuft/sx, 127 cuft slurry at 13.5 ppg

Displacement: 131 bbls

Bumped Plug at: 20:25 hrs w/ 1210 psi

Final Circ Press: 820 psi at 0.7 bpm

Returns during job: YES

CMT Returns to surface: 20 bbls

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

Schematic prepared by:

Steven O. Moore, Drilling Engineer

7-Aug-2004

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 @ 189'. Displaced top wiper plug with water. Shut in casing head and WOC before backing out landing jt. CENTRALIZERS @ 224', 146', 103' & 59'. Total: 4
7" Intermediate	DISPLACED W/20 BBLs. FRESH WATER & 111 BBLs. 8.4 PPG SLIGHTLY POLYMERIZED DRILL WATER CENTRALIZERS @ 3272', 3193', 3106', 3020', 2933', 2847', 212', 82' & 39'. TURBOLIZERS @ 2458', 2415', 2372' & 2329'. Total: 9 Total: 4
5.5" Liner	Ran 6-1/16" OD bladed shoe w/ float valve on btm of liner. Ran 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, 0.75" diameter, 120 degree phased holes Perf. Intervals: 3300'-3310', 3334'-3338', 3370'-3380', 3382'-3392', 3429'-3432', 3435'-3439', 3445'-3450', 3487'-3494', 3498'-3510'. TOTAL SHOTS 260.
Tubing	30.60' x 2-7/8" OD 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 crossover collar, 2-3/8" OD (1.78" ID) F-Nipple, 1 ea 2-3/8" OD x 4' long pup jt 109 jts 2-3/8" 4.7# J-55 EUE 8rd tubing Bottom of Mud Anchor at 3588'. F-Nipple at 3556' MD RKB.
Pump & Rods	12" long strainer attached below 1-1/2" RWAC-Z insert pump with 1 ea 4' long x 3/4" OD pony rod on top of pump 142 ea 3/4" OD rods & 1 ea 1-1/4" OD x 22' polished rod Set pump in F-Nipple at 3556' MD RKB

Operations Summary Report

Legal Well Name: SAN JUAN 32-8 UNIT 238A
 Common Well Name: SAN JUAN 32-8 UNIT 238A
 Event Name: COMPLETION
 Contractor Name: KEY ENERGY SVCS
 Rig Name: KEY 22

Start: 5/12/2004 Spud Date: 6/22/2004
 Rig Release: 7/28/2004 End: 7/28/2004
 Rig Number: 22 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
7/19/2004	09:00 - 13:00	4.00	MOVE	MOB	COMPZN	SAFETY MEETING PRIOR TO STARTING OPERATIONS- MI KEY 22 & SPOT AUXILIARY EQUIPMENT-
	13:00 - 14:30	1.50	WELCTL	NUND	COMPZN	SI 7" INTERMEDIATE CSG -0- PSIG-NU BOPE- NOTIFIED BLM @ 04:30, 7-19-2004 OF PENDING CSG INTEGRITY TEST.
7/20/2004	14:30 - 15:00	0.50	WELLPR	OPNW	COMPZN	SDON.
	07:00 - 09:30	2.50	WELLPR	RURD	COMPZN	SAFETY MEETING PRIOR TO STARTING OPERATIONS- RIG UP KEY 22-
	09:30 - 11:45	2.25	WELCTL	NUND	COMPZN	SI 7" X 9-5/8" -0- PSIG- ND BOPE & 7-1/16" 3M X 11" 3M TBG HEAD- REPLACE R-53 RING GASKET W/ RX-53 RING GASKET AND LEVEL OUT & NU TBG HEAD/ BOPE-
	11:45 - 15:00	3.25	WELLPR	RURD	COMPZN	PT 7-1/16" TBG HEAD SECONDARY SEAL T/ 1800 PSIG (OK). RU BLOOIE LINES & AUXILIARY EQUIPMENT.
	15:00 - 16:00	1.00	RPEQPT	PULD	COMPZN	SLIP, CALIPER, & TALLY 3-1/2" DC'S- SLIP & TALLY 2-7/8" AOH DRILL PIPE.
	16:00 - 17:00	1.00	WELCTL	BOPE	COMPZN	SI 7" INTERMEDIATE CSG -0- PSIG- PT BLIND RAMS & PERFORM CASING INTEGRITY TEST T/ 200 PSIG-3MIN & 1800 PSIG-30 MIN (OK) NOTIFIED BLM @ 04:30, 7-19-2004 OF PENDING CSG INTEGRITY TEST.
	17:00 - 18:30	1.50	WELLPR	SFTY	COMPZN	PERFORM RIG INSPECTION & CORRECTIONS WHILE CHANGING FLUIDS ON COMPLETION RIG- "PERIODIC SHUT DOWNS FOR LIGHTNING IN AREA"
	18:30 - 19:00	0.50	WELLPR	OTHR	COMPZN	SDON.
7/21/2004	07:00 - 10:30	3.50	RPCOMP	PULD	PROD1	SAFETY MEETING PRIOR TO STARTING OPERATIONS- SI 7" INTERMEDIATE CSG PRESSURE -0- PSIG- MU 6-1/4" RR ETD-44 VAREL TRI-CONE INSERT BIT 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/ 12-(3-1/2") DC'S-TBHA 377.27', W/ 2-3/8" IF X 2-7/8" AOH X-O SUB, W/ 91- JOINTS 2-7/8" AOH DRILL PIPE T/3210'KB, TOC.
	10:30 - 12:00	1.50	EVALWB	CIRC	PROD1	RU POWER SWIVEL & CIRCULATE 7" WELLBORE CLEAN W/ Kfc PRODUCED WATER.
	12:00 - 15:00	3.00	WELCTL	BOPE	PROD1	PT #2 PIPE RAMS CHOKE MANIFOLD / 7" CASING T/200 PSIG -3 MIN & 1800 PSIG -15MIN (OK) PT #1 PIPE RAMS & HCR VALVES T/200 PSIG-3MIN & 1800 PSIG-15MIN (OK) ISOLATE AND CHECK DRILL PIPE FLOAT VALVE (OK)- PT STANDPIPE / KELLY HOSE / POWER SWIVEL / & 2-7/8" TIW VALVE T/ 2000 PSIG-10 MIN (OK) . PT AIR LINES & MIST PUMP T/1400 PSIG (OK).
	15:00 - 00:00	9.00	DRILL	DRLG	PROD1	BREAK CIRCULATION W/ 1500 CFM AIR & 6 BPH MIST CONTAINING 1 GAL F-450 FOAMER & 1/4 GAL CORRIOSION INHIBITOR / 10 BBLS PRODUCED Kfc WATER@ 1400-500 PSIG- DRILLOUT CEMENT / FC @3236'KB / CEMENT / GS @ 3282'KB / CEMENT T/ 3290'KB, 8-3/4" TD. "UNABLE TO MAINTAIN GOOD STEADY CIRCULATION W/ 750 CFM & 6 BPH MIST, INCREASE BACK UP TO 1500 CFM" DRILLING 6-1/4" OPEN HOLE SECTION F/3290 - T/ 3602'KB,TD / PBTD- W/ 6K WOB @ 70-80 RPM'S @ 1100-1400 FT-LBS OF TORQUE-

Operations Summary Report

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 Rig Name: KEY 22

Start: 5/12/2004
 Rig Release: 7/28/2004
 Rig Number: 22

Spud Date: 6/22/2004
 End: 7/28/2004
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
7/21/2004	15:00 - 00:00	9.00	DRILL	DRLG	PROD1	COAL INTERVALS NET FEET OF COAL BGG MAX GAS UNITS
						3300-3302' (2') 24 309
						3304-3305' (1') 309 309
						3306-3307' (1') 309 309
						3308-3310' (2') 309 284
						3334-3338' (4') 284 388
						3370-3392' (22') 346 396
						3400-3402' (2') 277 367
						3435-3439' (4') 367 367
						3440-3443' (3') 367 321
						3445-3450' (5') 321 321
						3483-3484' (1') 321 323
						3486-3494' (8') 323 431
						3497-3510' (13') 431 321
7/22/2004	00:00 - 03:30	3.50	EVALWB	CIRC	PROD1	TOTAL NET FEET OF COAL 68'.
						UPPER COALS: WERE 40% DULL BLACK & 50% INTERMEDIATE SATIN LUSTER, W/ 10% SUB PLATY TO SUB BLOCKY-CLEATING IS POOR W/ DARK GRAY BROWN CARBONACEOUS SHALE W/ RARE MICRO-PYRITE.
						MIDDLE COALS: 40% INTERMEDIATE, 20% BRIGHT BLACK, & 40% DULL BLACK- SUB PLATY TO MOSTLY SUB-BLOCKY, OCCASIONAL CONCHOIDAL FRACTURE AND CLEAT FACES W/ FAIR CLEATING, W/ RARE AMBER RESIN & SMOKY QUARTZ.
						LOWER COALS: 20% DULL, 50% INTERMEDIATE, & 30% BRIGHT BLACK- SUB BLOCKY TO BLOCKY W/ COMMON CONCHOIDAL FRACTURE AND GOOD CLEATING, SOME BENTONITE GOOD QUALITY COAL.
						PICTURED CLIFF TOP @ 3511'KB. BACKGROUND GAS NO CHANGE.
						R&R @ 3602'TD, PBTD W/ 1500 CFM & 6 BBL / HR MIST RATE W/ ABOVE CHEMICALS @ 500 PSIG- RETURNS: 1+ DOWN T/ 1/4 OF A BUCKET / HR OFF MUD LOGGER SAMPLER VALVE OF 1/4" CHUNKS DOWN TO COFFEE GROUNDS SIZE OF COAL.
						DRY UP WELLBORE W/ 1500 CFM AIR- 5 GALS / 2.25 MIN'S = 76 BWPD W/ PH 8.
						PULL UP INTO 7" @ 3276'KB.
						SAFETY MEETING PRIOR TO STARTING OPERATIONS- PULL UP INTO 7" @ 3276'KB.
						FLOW TEST THRU 2"
						TIME CHOKE MANIFOLD #S PITOT #S MSCFD /
						CONSISTENCY
						15MIN 13.0 3.25 1118 / DRY
						30MIN 13.0 3.25 1118 / DRY
						45MIN 13.0 3.25 1118 / DRY
						60MIN 12.0 3.00 1065 / DRY

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Event Name: COMPLETION

Contractor Name: KEY ENERGY SVCS

Rig Name: KEY 22

Start: 5/12/2004

Rig Release: 7/28/2004

Rig Number: 22

Spud Date: 6/22/2004

End: 7/28/2004

Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
7/22/2004	07:30 - 09:30	2.00	EVALFM	SIPB	COMPZN	SIPBU ISIP 15MIN 30MIN 45MIN 60MIN 25# 100# 120# 125# 125# NATURAL SURGE #1 W/ 125 #S- RETURNS: VERY LITTLE IF ANY RETURNS TO SURFACE AFTER SURGE.
	09:30 - 15:30	6.00	RPCOMPT	TRIP	COMPZN	SHORT TRIP F/ 3276 - T/3595'KB, 7' OF FILL AFTER SURGE #1- PULL UP INTO 7" @3276'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 BORED, TAPPED, AND CONTAINING A FLOAT VALVE, W/ 12-(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/3286'KB. RU POWER SWIVEL.
	15:30 - 18:45	3.25	DRILL	REAM	PROD1	BREAK CIRCULATION & UNLOADED A 15-20 BBL SLUG OF WATER- UNDER-REAM @ 725 PSIG W/ 1500 CFM AIR & 6-8 BPH MIST (CONTAINING 1-GAL F-450 / 10 BBLS AND 1/4 GAL CORR INHIBITOR / 10 BBLS Kfc PRODUCED WATER)- F/3286-3417'KB W/ 1100-1500-FT-LBS OF TORQUE, W/ ~3-6K WOB @ 80+ RPM'S.
	18:45 - 22:30	3.75	RIGMNT	RGRP	PROD1	POWER SWIVEL UNIT STARTED TO OVERHEAT- CIRCULATE AND PULL UP INTO 7" @ 3260'KB- CLEAN OFF POWER SWIVEL UNIT RADIATOR AND MONITOR OPERATING TEMPERATURE- GIH W/ URR F/ 3260-3417'KB.
	22:30 - 02:30	4.00	DRILL	REAM	PROD1	UNDER-REAM @ 725 PSIG W/ 1500 CFM AIR & 6-8 BPH MIST (CONTAINING 1-GAL F-450 / 10 BBLS AND 1/4 GAL CORR INHIBITOR / 10 BBLS Kfc PRODUCED WATER)- F/3417-3602'KB, PBTD W/ 1100-1500-FT-LBS OF TORQUE, W/ ~3-6K WOB @ 80+ RPM'S.
	02:30 - 06:00	3.50	EVALWB	CIRC	PROD1	CIRCULATE CLEAN & PULL UNDER-REAMER UP INTO 7" @ 3260'KB.
7/23/2004	06:00 - 07:30	1.50	EVALFM	SIPB	COMPZN	SAFETY MEETING PRIOR TO STARTING OPERATIONS- FLOW TEST THRU 2" TIME CHOK MANIFOLD #S PITOT #S MSCFD / CONSISTENCY 15MIN 21.0 5.25 1394 / DRY 30MIN 21.0 5.25 1394 / DRY 45MIN 21.0 5.25 1394 / DRY 60MIN 21.0 5.25 1394 / DRY
	07:30 - 09:00	1.50	EVALFM	SIPB	COMPZN	SIPBU ISIP 15MIN 30MIN 45MIN 60MIN 39# 110# 125# 130# 135# BLEED WELL SLOWLY DOWN TO PIT.
	09:00 - 11:00	2.00	RIGMNT	RGRP	COMPZN	CHANGE OUT POWER SWIVEL UNIT RADIATOR (HOT WORK PERMIT FOR FABRICATING BRACKETS).
	11:00 - 15:45	4.75	RPCOMPT	TRIP	COMPZN	COOH & LAYDOWN UNDER-REAMER- GIH W/ 6-1/4" DRLG ASSEMBLY T/3276'KB. RIG UP POWER SWIVEL.
						GIH W/ 6-1/4" DRLG ASSEMBLY F/3276'KB & TAG TOP OF FILL @

CONOCOPHILLIPS CO
Operations Summary Report

Page 4 of 7

Legal Well Name: SAN JUAN 32-8 UNIT 238A
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Contractor Name: KEY ENERGY SVCS
Rig Name: KEY 22

Spud Date: 6/22/2004
Start: 5/12/2004 End: 7/28/2004
Rig Release: 7/28/2004 Group:
Rig Number: 22

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
7/23/2004	11:00 - 15:45	4.75	RPCOMP	TRIP	COMPZN	3601', 1' OF NEW FILL ABOVE 3602'PBTD. PULL UP T/ 3590'KB.
	15:45 - 19:30	3.75	EVALFM	CIRC	COMPZN	UNLOAD A 15-20 BBL SLUG OF PRODUCED WATER IN WELLBORE W/ AIR MIST @ 550-450 PSIG & DRY UP W/ 1500 CFM AIR. (CONTINUED CIRCULATING FOR ADDITIONAL 2 HRS WHILE STORM / LIGHTNING PASSED THRU AREA)
	19:30 - 20:15	0.75	RPCOMP	TRIP	COMPZN	PULL UP INTO 7" @ 3276'KB.
	20:15 - 06:00	9.75	EVALFM	SIPB	COMPZN	SIPBU SURGE # ISIP 15MIN 30MIN 45MIN 60MIN 75MIN 90 MIN 105MIN 2HR 2 40# 120# 130# 132# 132# 132# 132# 3 38# 130# 140# 160# 187# 192# 195# 195# 4 25# 140# 180# 190# 200# 200# 5 15# 125# 175# 195# 200# 194# 194# LOGGING OFF PERFORM NATURAL SURGES #2-#5 W/ 132-200#S. LITE RETURNS OF COAL ON SURGE #3-#4.
7/24/2004	06:00 - 07:00	1.00	EVALWB	CIRC	COMPZN	SAFETY MEETING PRIOR TO STARTING OPERATIONS- BLOW AROUND TO PIT AFTER NATURAL SURGE # 5 W/ AIR MIST- RETURNS: LITE AMOUNT OF FINE COAL.
	07:00 - 08:00	1.00	RPCOMP	TRIP	COMPZN	GIH W/ 6-1/4" DRLG ASSEMBLY & TAG 17' OF NEW FILL @ 3584'KB- AFTER NATURAL SURGES #2-#5- PICK UP T/ 3579'KB.
	08:00 - 11:00	3.00	EVALFM	CIRC	COMPZN	UNLOAD A 15-20 BBL SLUG OF PRODUCED WATER IN WELLBORE W/ AIR MIST- R&R @ 3579'KB & DRY UP WELLBORE W/ 1500 CFM AIR.- 1 GAL / 40 SECONDS = ~50+ BWPD.
	11:00 - 12:15	1.25	RPCOMP	TRIP	COMPZN	PULL UP INTO 7" @ 3276'KB.
	12:15 - 14:00	1.75	EVALFM	PRDT	COMPZN	FLOW TEST THRU 2" TIME CHOKER MANIFOLD #S PITOT #S MSCFD / CONSISTENCY
						15MIN 12.0 3.00 1065 / DRY 30MIN 12.0 3.00 1065 / DRY 45MIN 12.0 3.00 1065 / DRY 60MIN 12.0 3.00 1065 / DRY
	14:00 - 21:00	7.00	EVALFM	SIPB	COMPZN	SIPBU SURGE # ISIP 15MIN 30MIN 45MIN 60MIN 75MIN 90MIN 105MIN 2HR 6 22# 120# 190# 190# 180# 170# 160# 7 20# 120# 175# 220# 230# 230# 205# 8 15# 120# 175# 210# 190#
	21:00 - 21:30	0.50	RPCOMP	TRIP	COMPZN	PERFORM NATURAL SURGES #6-#8 W/ 160-205#S. LITE RETURNS OF COAL ON SURGE #6-#8.
	21:30 - 06:00	8.50	EVALWB	CIRC	COMPZN	GIH W/ 6-1/4" DRLG ASSEMBLY & TAG BRIDGE @ 3515'KB. BREAK CIRCULATION W/ 1500 CFM AIR & 6 BPH @ 500 PSIG- CONTAINING 1 GAL F-450 FOAMER & 1/4 GAL DC-316 CORROSION INHIBITOR / 10 BBLs PRODUCED WATER- UNLOADED 2 (10-15 BBL SLUGS OF WATER)- R&R THRU BRIDGE @ 3515'KB- TRIP & TAG 10' OF NEW FILL @ 3574'KB AFTER NATURAL SURGES #6-#8-

Operations Summary Report

Legal Well Name: SAN JUAN 32-8 UNIT 238A
 Common Well Name: SAN JUAN 32-8 UNIT 238A
 Event Name: COMPLETION
 Contractor Name: KEY ENERGY SVCS
 Rig Name: KEY 22

Start: 5/12/2004
 Rig Release: 7/28/2004
 Rig Number: 22

Spud Date: 6/22/2004
 End: 7/28/2004
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
7/24/2004	21:30 - 06:00	8.50	EVALWB	CIRC	COMPZN	R&R F/ 3574-3589'KB, W/ ABOVE RATE & PRESSURES- RETURNS: 3 DOWN T/1+ BUCKET/HR OF 1/8" CHIPS,COFFEE GROUND DOWN TO FACE POWDER TYPE OF COAL-
7/25/2004	06:00 - 13:00	7.00	EVALWB	CIRC	COMPZN	SAFETY MEETING PRIOR TO STARTING OPERATIONS- R&R F/ 3589-3602'KB, W/ 1500 CFM AIR & 6 BPH @ 500 PSIG- CONTAINING 1 GAL F-450 FOAMER & 1/4 GAL DC-316 CORRIOSION INHIBITOR / 10 BBLs PRODUCED WATER- RETURNS: 2 DOWN T/1/2+ BUCKET/HR OFF MUD LOGGER SAMPLER VALVE OF COFFEE GROUND DOWN TO FACE POWDER TYPE OF COAL (99+% COAL).
	13:00 - 15:00	2.00	EVALFM	CIRC	COMPZN	DRY UP WELLBORE W/ 1500 CFM AIR- 1 GAL/90 SECONDS ~23 BWPD W/ PH OF 9.
	15:00 - 15:45	0.75	RPCOMP	TRIP	COMPZN	PULL UP INTO 7" @ 3276'KB.
	15:45 - 17:15	1.50	EVALFM	PRDT	COMPZN	FLOW TEST THRU 2" TIME CHOKER MANIFOLD #S PITOT #S MSCFD / CONSISTENCY 15MIN 16.0 4.00 1236 / DRY 30MIN 16.0 4.00 1236 / DRY 45MIN 17.0 4.25 1271 / DRY 60MIN 17.0 4.25 1271 / DRY
	17:15 - 18:00	0.75	RPCOMP	TRIP	COMPZN	GIH W/ 6-1/4" DRLG ASSEMBLY & TAG 7' OF FILL @ 3595'KB.
	18:00 - 01:00	7.00	EVALWB	CIRC	COMPZN	BREAK CIRCULATION W/ 1500 CFM AIR & 6 BPH @ 500 PSIG- CONTAINING 1 GAL F-450 FOAMER & 1/4 GAL DC-316 CORRIOSION INHIBITOR / 10 BBLs PRODUCED WATER- UNLOADED (10 BBL SLUG OF WATER)- R&R F/ 3589-3602'KB,PBTD - CONDITION 6-1/4" OPEN HOLE SECTION- RETURNS: 1 DOWN T/1/4 BUCKET/HR OFF MUD LOGGER SAMPLER VALVE OF COFFEE GROUND DOWN TO FACE POWDER TYPE OF COAL-(99+% COAL)
	01:00 - 06:00	5.00	RPCOMP	TRIP	COMPZN	SAFETY MEETING PRIOR TO STARTING OPERATIONS- SHORT TRIP T/ 7" & TAG @ 3602'KB, PBTD (NO FILL) SHORT TRIPBACK UP INTO 7"- HANG BACK POWER SWIVEL- COOH W/ 6-1/4" DRLG ASSEMBLY- 6-1/4" RR BIT GRADED:-(1-1-NO-A-E-I-NO-TD)- MU "H" LATCH LINER HANGER ASSEMBLY ON FIRST JOINT OF DRILL PIPE. MU 6-1/16" TIW BLADED SHOE ON 1ST JOINT OF CASING.
7/26/2004	06:00 - 07:00	1.00	RPCOMP	TRIP	COMPZN	SAFETY MEETING PRIOR TO STARTING OPERATIONS- FCP 20 PSIG 5 PSIG PITOT = 1374 MSCFD DRY.
	07:00 - 07:45	0.75	WELCTL	BOPE	PROD1	X-O & PT PIPE RAMS T/ 190 PSIG- (OK)
	07:45 - 12:30	4.75	CASING	RUNC	PROD1	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 - 1.00' 8- JTS 5-1/2" CASING - 356.04' 6-1/8" TIW "H" ROTATING SET COLLAR - 2.30' TOTAL LINER ASSEMBLY - 359.34' GIH W/ TOTAL OF 93 JTS 2-7/8" DRILLPIPE T/3260'KB.

CONOCOPHILLIPS CO
Operations Summary Report

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Legal Well Name: SAN JUAN 32-8 UNIT 238A
Common Well Name: SAN JUAN 32-8 UNIT 238A
Event Name: COMPLETION
Contractor Name: KEY ENERGY SVCS
Rig Name: KEY 22

Start: 5/12/2004
Rig Release: 7/28/2004
Rig Number: 22
Spud Date: 6/22/2004
End: 7/28/2004
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
7/26/2004	12:30 - 13:30	1.00	CASING	HOSO	PROD1	GIH & SET 5-1/2" LINER ASSEMBLY F/ 3242.66-T/3602"KB EOL-W/ PBTD @ 3601"KB-
	13:30 - 20:00	6.50	RPCOMP	PULD	COMPZN	RELEASE OFF OF LINER ASSEMBLY TOL @ 3242.66"KB. COOH & LAYDOWN 2-7/8" DP AND SETTING TOOL-TRIP IN & LAYDOWN DC'S.
	20:00 - 06:00	10.00	WELLPR	RURD	COMPZN	CHANGE OUT #1 PIPE RAMS T/ 2-3/8"-RD POWER SWIVEL & MANUAL TONGS- PREP & TALLY TBG RU TO PERFORATE.
7/27/2004	06:00 - 12:00	6.00	PERF	PERF	COMPZN	SAFETY MEETING PRIOR TO STARTING OPERATIONS-SICP-150 PSIG. RU BLUE JET PERFORATORS- PT LUBRICATOR T/ 150 PSIG. GIH & PERFORATE Kfc INTERVALS: 3498-3510' 3445-3450' 3487-3494' 3435-3439' 3429-3432' 3382-3392' 3370-3380' 3334-3338' 3300-3310' TOTAL 260 (0.75") DIAMETER 120 DEGREE PHASED HOLES-RD PERFORATORS. 1-MIS-FIRE.
	12:00 - 13:00	1.00	WELCTL	BOPE	COMPZN	PT 2-3/8" PIPE RAMS T/ 150 PSIG (OK)- BLEED WELL DOWN TO PIT.
	13:00 - 16:00	3.00	RPCOMP	PULD	COMPZN	GIH W/ 30.60' 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 (0.46') , W/ 0.85' x 2-3/8" OD X 1.78" ID "F" NIPPLE CONTAINING BLANKING PLUG (PT BP IN FN T/ 1000 PSIG 7-22-2004 @ B&R SERVICE'S SHOP), W/ 2-3/8" X 4' PUP JOINT- W/ 109 JTS 2-3/8" EUE 8RD 4.7 PPF J-55 TBG MEASURING (3541.27")- LAND TBG W/ 2-3/8" EUE 8RD X 7-1/16" TBG HGR CONTAINING A BPV PBTD @ 3601"KB EOT / MUD ANCHOR @ 3588.2"KB 1/4" X 8" SLOTS 3560"KB. 1.78" FN @ 3556"KB. PERF INTERVAL 3300-3510KB. TOP OF LINER @ 3242.66"KB.
	16:00 - 18:30	2.50	WELCTL	NUND	COMPZN	RIG DOWN FLOOR & AUXILIARY EQUIPMENT- ND BOPE & NU 2-3/8" EUE 8RD X 7-1/16" 3M BONNET. PULL BPV.
	18:30 - 19:00	0.50	WELLPR	OTHR	COMPZN	SDON.
7/28/2004	07:00 - 08:30	1.50	RPEQPT	SLKL	COMPZN	SAFETY MEETING PRIOR TO STARTING OPERATIONS-SICP 180 PSIG- RU B&R SERVICE- PT LUBRICATOR T/ 180 PSIG (OK)-

Operations Summary Report

Legal Well Name: SAN JUAN 32-8 UNIT 238A

Common Well Name: SAN JUAN 32-8 UNIT 238A

Event Name: COMPLETION

Contractor Name: KEY ENERGY SVCS

Rig Name: KEY 22

Start: 5/12/2004

Rig Release: 7/28/2004

Rig Number: 22

Spud Date: 6/22/2004

End: 7/28/2004

Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
7/28/2004	07:00 - 08:30	1.50	RPEQPT	SLKL	COMPZN	GIH W/ EQUALIZING PROBE & RUPTURE DISC IN "FWE" PLUG IN FN @ 3556'KB- TRIP AND RETRIEVE BP IN FN- FL @ 3420'KB- RD SLICKLINE. SICP-180 PSIG.
	08:30 - 13:00	4.50	RPCOMPPULD		COMPZN	BLEED CSG DOWN TO PIT- 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: (CP144) W/ 4' PONY ROD AND 142 3/4" NORRIS, TYPE 78, API GRADE "D" RODS & SPACE OUT W/O ANY 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 @ 3556'KB, FN. LOAD TBG W/ 10 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.
	13:00 - 16:00	3.00	WELLPR	RURD	COMPZN	RIG DOWN AUXILARY EQUIPMENT.
7/29/2004	16:00 - 16:30	0.50	WELLPR	OTHR	COMPZN	SDON.
	10:30 - 18:00	7.50	WELLPR	RURD	COMPZN	SAFETY MEETING PRIOR TO STARTING OPERATIONS- RIG DOWN AUXILARY EQUIPMENT- CHANGE OUT RASING RAM ON UNIT- RIG DOWN & RELEASE RIG @ 18:00, 7-28-2004- DROP FROM REPORT- TURN OVER TO PRODUCTION OPERATIONS- "JOB COMPLETE"