

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM 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. NMSF081089		
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 237A		
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface NESE 1640FSL 940FEL At top prod interval reported below At total depth			9. API Well No. 30-045-32369-00-S1		
14. Date Spudded 06/26/2004			15. Date T.D. Reached 07/23/2004		
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 07/30/2004			17. Elevations (DF, KB, RT, GL)* 6456 GL		
18. Total Depth: MD TVD 3434			19. Plug Back T.D.: MD TVD 3433		
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 Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12.250	9.625 H-40	32.0	0	229		150		0	
8.750	7.000 J-55	20.0	0	3119		505		0	
6.250	5.500 J-55	16.0	3071	3434		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	3183	3345	3183 TO 3345	0.750	208	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
07/30/2004	07/28/2004	24	→	0.0	687.0	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	180.0	→	0	687	1		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
			→						
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
	SI		→						

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

ELECTRONIC SUBMISSION #34304 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

NMOCD

ACCEPTED FOR RECORD

AUG 12 2004

FARMINGTON FIELD OFFICE
BY 

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	955		NACIMIENTO	684
NACIMIENTO	955	2297		OJO ALAMO	2215
OJO ALAMO	2297	2388		KIRTLAND	2314
				FRUITLAND	2954

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 #34304 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 (04AXB3141SE)**

Name (please print) JUANITA FARRELLTitle 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 ****

ConocoPhillips

END OF WELL SCHEMATIC

Well Name: San Juan 32-8 #237A
 API #: 30-045-32369
 Location: 1640' FNL & 940' FEL
Sec. 23 - T31N - R8W
San Juan County, NM
 Elevation: 6456' GL (above MSL)
 ri Rig RKB: 13' above Ground Level
 Datum: Dri Rig RKB = 13' above GL

Spud: 26-Jun-04
 Release Dri Rig: 29-Jun-04
 Move In Cav Rig: 20-Jul-04
 Release Cav Rig: 29-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: 26-Jun-04
 Size 9 5/8 in
 Set at 229 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 229 ft
 TD of 12-1/4" hole 239 ft

Notified BLM @ 16.22 hrs on 25-Jun-04
 Notified NMOCD @ 16.26 hrs on 25-Jun-04

Intermediate Casing Date set: 29-Jun-04
 Size 7 in 73 jts
 Set at 3119 ft 0 pups
 Wt. 20 ppf Grade J-55
 Hole Size 8 3/4 in Conn STC
 Excess Cmt 160 % Top of Float Collar 3073 ft
 T.O.C. SURFACE Bottom of Casing Shoe 3119 ft
 Pup @ ft TD of 8-3/4" Hole 3124 ft
 Pup @ ft
 Notified BLM @ 06.54 hrs on 28-Jun-04
 Notified NMOCD @ 06.57 hrs on 28-Jun-04

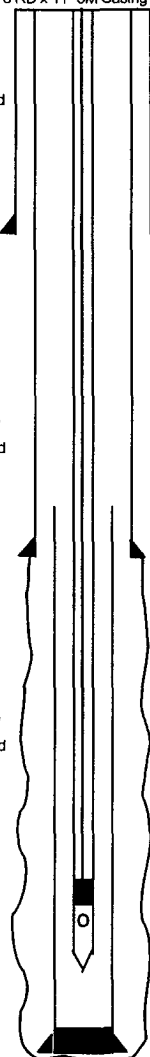
Production Liner Date set: 26-Jul-04
 Size 5 1/2 in
 Nominal Wt. 15.5 ppf
 Grade J-55 Connections: LTC
 # Jnts: 8
 Hole Size 6.25 / 9.5 inches
 Underreamed 6-1/4" hole to 9.5" from 3119' to 3434'
 Top of Liner 3071 ft
 PBTD 3433 ft
 Bottom of Liner 3434 ft

This well was NOT cavitated.

☒ New
☐ Used

☒ New
☐ Used

☒ New
☐ Used



Surface Cement

Date cmt'd: 26-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: 14.8 bbls fresh wtr
 Bumped Plug at: 02:20 hrs w/ 230 psi
 Final Circ Press: 50 psi @ 0.5 bpm
 Returns during job: YES
 CMT Returns to surface: 5 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: 29-Jun-04
 Lead: 405 sx Class G Cement
+ 3% D079 Extender
+ 0.25 lb/sx D029 Cellophane Flakes
+ 0.2% D046 Antifoam
2.61 cuft/sx, 1057.0 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: 124 bbls
 Bumped Plug at: 09:37 hrs w/ 1325 psi
 Final Circ Press: 785 psi at 2.1 bpm
 Returns during job: YES
 CMT Returns to surface: 40 bbls
 Floats Held: X 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 @ 184'. Displaced top wiper plug with water. Shut in casing head and WOC before backing out landing jt.	
	CENTRALIZERS @ 219', 141', 103' & 69'.	Total: 4
7" Intermediate	DISPLACED W/20 BBLS. FRESH WATER & 104 BBLS. 8.4 PPG SLIGHTLY POLYMERIZED DRILL WATER	
	CENTRALIZERS @ 3109', 3030', 2943', 2857', 2771', 2685', 212', 82' & 40'.	Total: 9
	TURBOLIZERS @ 2343', 2300' & 2257'	Total: 3
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: 3183'-3186', 3194'-3199', 3216'-3220', 3256'-3267', 3270'-3276', 3318'-3328', 3332'-3345'. TOTAL SHOTS = 208.	
Tubing	30.75' x 2-7/8" EUE 8rd box 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, 2-3/8" x 8' & 10' pup jts 103 jts 2-3/8" 4.7# J-55 EUE 8rd tubing Bottom of Mud Anchor at 3408'. F-Nipple at 3378' MD RKB.	
Pump	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	
&	134 ea 3/4" OD rods, spaced out with 8' - 4' - 4' - 2' x 3/4" OD pony rods & 1 ea 1-1/4" OD x 22' polished rod	
Rods	Set pump in F-Nipple at 3378' MD RKB	

CONOCOPHILLIPS CO

Operations Summary Report

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Legal Well Name: SAN JUAN 32-8 UNIT 237A
 Common Well Name: SAN JUAN 32-8 UNIT 237A
 Event Name: COMPLETION
 Contractor Name: KEY ENERGY SVCS
 Rig Name: KEY ENERGY

Start: 7/20/2004
 Rig Release: 7/29/2004
 Rig Number: 27

Spud Date: 6/26/2004
 End: 7/29/2004
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
7/20/2004	06:00 - 07:00	1.00	STIMOP	OTHR	COMPZN	2 MEN DRY WATCHING RIG.
	07:00 - 16:00	9.00	STIMOP	RURD	COMPZN	RIG DOWN, INSPECT DRILL COLLARS AND ALL SUBS, INSPECT AND TEST BOPS STACK, INSPECT BLOOIE LINES AND ALL PRESSURE LINES.
7/21/2004	16:00 - 06:00	14.00	STIMOP	OTHR	COMPZN	SECURE LOCATION AND DRY WATCH RIG.
	06:00 - 07:00	1.00	MOVE	OTHR	COMPZN	2 MEN DRY WATCHING RIG.
	07:00 - 07:30	0.50	MOVE	SFTY	COMPZN	PJSM AND JSA WITH ALL PERSONEL ON LOCATION.
	07:30 - 19:00	11.50	MOVE	MOB	COMPZN	MOVE RIG AND SPOT EQUIPMENT, RIG UP, NIPPLE UP BOPS. CHANGE OUT DERRICK RAISING RAM. MOVED TO THE SAN JUAN 32-8 #237A SEC 23 - T31N - R8W 1640'FSL 940'FEL NEAREST HELI PAD IS ONE MILE NORTH OF THIS LOCATION. CALLED THE BLM HOTLINE PHONE FOR PRESSURE TEST @ 1000HRS. LEFT VOICE MESSAGE ON THE PHONE OF CHARLIE PERRIN WITH THE OCD @ 1005HRS ABOUT PRESSURE TEST.
7/22/2004	19:00 - 06:00	11.00	MOVE	OTHR	COMPZN	2 MEN DRY WATCHING RIG.
	06:00 - 07:00	1.00	STIMOP	OTHR	COMPZN	2 MEN DRY WATCHING RIG.
	07:00 - 07:30	0.50	STIMOP	SFTY	COMPZN	PJSM WITH ALL PERSONEL ON LOCATION.
	07:30 - 09:30	2.00	STIMOP	NUND	COMPZN	NIPPLE UP BLOOIE LINES, PULL DC & DP OUT OF PIPE BASKET, STRAP AND CALIPER.
	09:30 - 10:00	0.50	STIMOP	SFTY	COMPZN	RIG INSPECTION AND REPAIR GIGS.
	10:00 - 12:30	2.50	STIMOP	SFTY	COMPZN	PRESSURE TEST CASING AND BLIND RAMS 300# LOW AND 1800# HIGH FOR 30 MIN. STATE INTEGRITY TEST. PRESSURE TEST BOTH SETS OF PIPE RAMS, HCR VALVES, AND ALL MANIFOLD VALVES. 300 # LOW FOR 3 MIN. AND 1800 # HIGH FOR 10 MIN. ALL OK
7/23/2004	12:30 - 16:00	3.50	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. 2 7/8 DP TO 3094'
	16:00 - 17:00	1.00	DRILL	PULD	COMPZN	PICK UP AND RIG UP POWER SWIVEL. SECURE WELL AND DRY WATCH RIG FOR THE NIGHT.
	17:00 - 06:00	13.00	DRILL	OTHR	COMPZN	2 MEN DRY WATCHING RIG.
	06:00 - 07:00	1.00	DRILL	OTHR	COMPZN	2 MEN DRY WATCHING RIG.
	07:00 - 07:30	0.50	DRILL	SFTY	COMPZN	PJSM WITH ALL PERSONEL ON LOCATION.
	07:30 - 08:00	0.50	DRILL	SFEQ	COMPZN	PRESSURE TEST AIR LINES AND AIR MANIFOLD, 1200PSI HIGH FOR 10 MINUTES AND 200PSI LOW FOR 3 MINUTES.
	08:00 - 09:30	1.50	DRILL	DRLG	COMPZN	UNLOAD HOLE, ESTABLISH CIRCULATION, DRLG FLOAT COLLAR AND 46' OF CEMENT. TAG FLOAT @ 3073' CSG SHOE @ 3119' TD 8 3/4 HOLE @ 3124'
	09:30 - 16:30	7.00	DRILL	DRLG	COMPZN	DRILLING FORMATION 3119' TO 3434' DRLG WITH 1100 CFM AIR, 5 TO 6 BPH MIST WITH 1/4 GAL CORROSION INHIBITOR, 1 GAL 450 FOAMER PER 10 BARRELS OF WATER. 310PSI ON STANDPIPE. NO WATER TO SURFACE OR TSTM.

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 Rig Name: KEY ENERGY

Start: 7/20/2004
 Rig Release: 7/29/2004
 Rig Number: 27

Spud Date: 6/26/2004
 End: 7/29/2004
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
7/23/2004	09:30 - 16:30	7.00	DRILL	DRLG	COMPZN	3151' - 3152' 1' 0 UNITS OF GAS 3183' - 3186' 3' 206 UNITS OF GAS 3196' - 3200' 4' 307 UNITS OF GAS 3202' - 3204' 2' 298 UNITS OF GAS 3216' - 3218' 2' 303 UNITS OF GAS 3256' - 3268' 12' 145 UNITS OF GAS 3270' - 3276' 6' 268 UNITS OF GAS 3318' - 3328' 10' 262 UNITS OF GAS 3329' - 3330' 1' 260 UNITS OF GAS 3332' - 3346' 14' 274 UNITS OF GAS 3348' - 3349' 1' 258 UNITS OF GAS TOTAL COAL 56'
	16:30 - 18:30	2.00	DRILL	CIRC	COMPZN	BLOW HOLE CLEAN WITH 1100 CFM AIR, 5 TO 6 BPH MIST WITH 1/4 GAL CORROSION INHIBITOR, 1 GAL 450 FOAMER PER 10 BARRELS OF WATER. 320PSI ON STANDPIPE. WELL WAS MAKING 1 1/2 BUCKET PER HOUR OF COAL, DOWN TO 1/2 BUCKET PER HOUR OF COAL. WELL IS MAKING APPROXIMATELY 7 BBLS OF WATER PER HOUR.
	18:30 - 19:30	1.00	DRILL	CIRC	COMPZN	TURN OFF MIST PUMP AND BLOW WELL DRY.
	19:30 - 20:15	0.75	DRILL	PULD	COMPZN	PULL UP INTO CASING LAYING DOWN 11 JOINTS OF DRILL PIPE WITH POWER SWIVEL.
	20:15 - 21:15	1.00	FLOWT	PRDT	COMPZN	2" OPEN FLOW TEST INITIAL PRESSURE 5# ON GAUGE 1.25 # 697 MCFD 15 MINUTES - 15 # ON GAUGE 3.75 # 1191 MCFD 30 MINUTES - 16 # ON GAUGE 4.00 # 1236 MCFD 45 MINUTES - 16 # ON GAUGE 4.00 # 1236 MCFD 60 MINUTES - 16 # ON GAUGE 4.00 # 1236 MCFD
	21:15 - 22:30	1.25	FLOWT	SIPB	COMPZN	SHUT IN TEST INSP 20 PSI 15 MINUTES 100 PSI 30 MINUTES 115 PSI 45 MINUTES 115 PSI 60 MINUTES 115 PSI RELEASE AS NATURAL SURGE, LET WELL BLOW DOWN.
	22:30 - 01:00	2.50	STIMOP	TRIP	COMPZN	TRIP OUT OF HOLE, JSA AND SAFETY MEETING WITH ALL PERSONEL. PICK UP UNDER REAMER AND SHOCK SUB.
	01:00 - 02:30	1.50	STIMOP	TRIP	COMPZN	TRIP IN HOLE, PICK UP AND RIG UP POWER SWIVEL.
	02:30 - 06:00	3.50	DRILL	UREM	COMPZN	UNDER REAM 6 1/4" HOLE TO 9 1/2" HOLE FROM 3119' TO 3283' WITH 1500 CFM AIR, 8 TO 10 BPH MIST WITH 1/4 GAL CORROSION INHIBITOR, 1 GAL 450 FOAMER PER 10 BARRELS OF WATER. 600PSI ON STAND PIPE
7/24/2004	06:00 - 07:00	1.00	DRILL	UREM	COMPZN	UNDER REAM 6 1/4" HOLE TO 9 1/2" HOLE FROM 3283' TO 3434' WITH 1500 CFM AIR, 8 TO 10 BPH MIST WITH 1/4 GAL CORROSION INHIBITOR, 1 GAL 450 FOAMER PER 10 BARRELS OF WATER. 600PSI ON STAND PIPE

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 Rig Name: KEY ENERGY

Spud Date: 6/26/2004
 Start: 7/20/2004
 End: 7/29/2004
 Rig Release: 7/29/2004
 Group:
 Rig Number: 27

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
7/24/2004	07:00 - 07:30	0.50	DRILL	SFTY	COMPZN	PJSM WITH ALL PERSONAL ON LOCATION.
	07:30 - 08:30	1.00	DRILL	CIRC	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.
						600PSI ON STANDPIPE.
	08:30 - 09:00	0.50	DRILL	CIRC	COMPZN	TURN OFF MIST PUMP AND DRY HOLE UP.
	09:00 - 09:30	0.50	DRILL	PULD	COMPZN	PULL UP INTO CASING LAYING DOWN 11 JOINTS WITH POWER SWIVEL.
	09:30 - 10:30	1.00	FLOWT	PRDT	COMPZN	2" OPEN FLOW TEST INITIAL PRESSURE 4 # ON GAUGE 1.00 # 615 MCFD 15 MINUTES - 9 # ON GAUGE 2.25 # 913 MCFD 30 MINUTES - 10 # ON GAUGE 2.50 # 970 MCFD 45 MINUTES - 10 # ON GAUGE 2.50 # 970 MCFD 60 MINUTES - 10 # ON GAUGE 2.50 # 970 MCFD
	10:30 - 13:00	2.50	DRILL	TRIP	COMPZN	TRIP OUT OF HOLE TO LAY DOWN AND LOAD OUT UNDER REAMER AND SHOCK SUB. STOPPED OPERATIONS FOR APPROXIMATELY 45 MINUTES BECAUSE OF LIGHTNING AROUND RIG.
	13:00 - 14:00	1.00	STIMOP	TRIP	COMPZN	PICK UP BIT, FLOAT, AND BIT SUB AND TRIP IN HOLE TO 3100'.
	14:00 - 15:00	1.00	STIMOP	PULD	COMPZN	PICK UP AND RIG UP POWER SWIVEL. GIH PICKING UP DRILL PIPE WITH POWER SWIVEL, TAG UP AT 3430'
	15:00 - 16:00	1.00	STIMOP	CIRC	COMPZN	UNLOAD AND DRY UP HOLE, UNLOAD APPROXIMATELY 20 TO 30 BARRELS OF WATER.
	16:00 - 16:30	0.50	STIMOP	PULD	COMPZN	PULL UP INTO CASING LAYING DOWN 11 JOINTS OF DRILL PIPE WITH POWER SWIVEL.
	16:30 - 19:45	3.25	FLOWT	SIPB	COMPZN	SHUT IN TEST INSP 10 PSI 15 MINUTES 110 PSI 30 MINUTES 115 PSI 45 MINUTES 118 PSI 60 MINUTES 120 PSI 75 MINUTES 120 PSI 90 MINUTES 120 PSI 3 HRS 130 PSI HAD TO LEAVE SURGE CLOSED IN DUE TO WIND DIRECTION. RELEASE AS NATURAL SURGE #1, LET WELL BLOW DOWN.
	19:45 - 03:00	7.25	STIMOP	OTHR	COMPZN	NATURAL SURGE # 2 135PSI NATURAL SURGE # 3 200PSI NATURAL SURGE # 4 210PSI NATURAL SURGE # 5 215PSI NATURAL SURGE # 6 210PSI
	03:00 - 03:30	0.50	STIMOP	PULD	COMPZN	GIH PICKING UP DRILL PIPE WITH POWER SWIVEL, TAG @ 3427'.
	03:30 - 04:00	0.50	STIMOP	FCO	COMPZN	R&R CLEAN OUT 3427' TO 3434' WITH 1100 CFM AIR, 6 BPH MIST WITH 1/4 GAL CORROSION INHIBITOR, 1 GAL 450 FOAMER PER 10 BARRELS OF WATER. 5 BBLS PER HOUR WATER GAIN.
	04:00 - 05:30	1.50	STIMOP	CIRC	COMPZN	TURN OFF MIST PUMP AND DRY UP HOLE. WELL IS MAKING APPROXIMATELY 5 TO 6 BBLS OF WATER PER HOUR.
	05:30 - 06:00	0.50	STIMOP	PULD	COMPZN	PULL UP INTO CASING LAYING DOWN 11 JOINTS OF DRILL PIPE WITH POWER SWIVEL.
7/25/2004	06:00 - 07:00	1.00	FLOWT	PRDT	COMPZN	2" OPEN FLOW TEST

CONOCOPHILLIPS CO
Operations Summary Report

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Contractor Name: KEY ENERGY SVCS
Rig Name: KEY ENERGY

Start: 7/20/2004
Rig Release: 7/29/2004
Rig Number: 27
Spud Date: 6/26/2004
End: 7/29/2004
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
7/25/2004	06:00 - 07:00	1.00	FLOWT	PRDT	COMPZN	INITIAL PRESSURE 2 # ON GAUGE .50 # 434 MCFD 15 MINUTES - 7 # ON GAUGE 1.75 # 801 MCFD 30 MINUTES - 7 # ON GAUGE 1.75 # 801 MCFD 45 MINUTES - 7 # ON GAUGE 1.75 # 801 MCFD 60 MINUTES - 7 # ON GAUGE 1.75 # 801 MCFD
	07:00 - 09:00	2.00	FLOWT	SIPB	COMPZN	SHUT IN TEST INSP 10 PSI 15 MINUTES 100 PSI 30 MINUTES 135 PSI 45 MINUTES 140 PSI 60 MINUTES 140 PSI 75 MINUTES 135 PSI RELEASE AS NAUTRAL SURGE.
	09:00 - 09:30	0.50	STIMOP	PULD	COMPZN	GIH PICKING UP DRILL PIPE WITH POWER SWIVEL TAG @ 3432'
	09:30 - 10:30	1.00	STIMOP	CIRC	COMPZN	UNLOAD HOLE, DRY UP HOLE. APPROXIMATELY 10 BBLS OF WATER.
	10:30 - 11:00	0.50	STIMOP	PULD	COMPZN	PULL UP INTO CASING LAYING DOWN 11 JOINTS OF DRILL PIPE WITH POWER SWIVEL.
	11:00 - 19:45	8.75	STIMOP	OTHR	COMPZN	NATURAL SURGE # 7 130PSI NATURAL SURGE # 8 125PSI NATURAL SURGE # 9 135PSI NATURAL SURGE # 10 140PSI NATURAL SURGE # 11 200PSI
	19:45 - 20:15	0.50	STIMOP	PULD	COMPZN	GIH PICKING UP DRILL PIPE WITH POWER SWIVEL, TAG @ 3428'
	20:15 - 21:15	1.00	STIMOP	CIRC	COMPZN	UNLOAD HOLE AND DRY UP. WELL IS MAKING APPROXIMATELY 5 BBLS OF WATER PER HOUR.
	21:15 - 22:00	0.75	STIMOP	PULD	COMPZN	PULL UP INTO CASING LAYING DOWN 11 JOINTS OF DRILL PIPE WITH POWER SWIVEL.
	22:00 - 00:00	2.00	STIMOP	OTHR	COMPZN	NATURAL SURGE # 12 130PSI NATURAL SURGE # 13 140PSI
	00:00 - 06:00	6.00	RIGMNT	RGRP	COMPZN	GENERATOR WENT DOWN @ 23:15HRS OPERATIONS SHUT DOWN, WELL SHUT IN. WAIT ON DAYLIGHT TO RELEASE SURGE # 13.
	06:00 - 11:00	5.00	STIMOP	STIM	COMPZN	NATURAL SURGE # 13 140PSI NATURAL SURGE # 14 160PSI NATURAL SURGE # 15 200PSI NATURAL SURGE # 16 220PSI
	11:00 - 11:30	0.50	STIMOP	PULD	COMPZN	GIH PICKING UP DRILL PIPE WITH POWER SWIVEL TAG @ 3410'
	11:30 - 13:30	2.00	STIMOP	FCO	COMPZN	R&R CLEAN OUT 3410' TO 3434' WITH 1100 CFM AIR, 5 BPH MIST WITH 1/4 GAL CORROSION INHIBITOR, 2 GAL 450 FOAMER, 1 GAL SS-1200 POLYMER PER 10 BARRELS OF WATER. WELL WAS MAKING 2 BPH OF COAL.
7/26/2004	13:30 - 14:00	0.50	STIMOP	PULD	COMPZN	PULL UP INTO CASING LAYING DOWN 11 JOINTS OF DRILL PIPE WITH POWER SWIVEL.
	14:00 - 16:00	2.00	FLOWT	PRDT	COMPZN	2" OPEN FLOW TEST INITIAL PRESSURE 3# ON GAUGE .75 # 539 MCFD 15 MINUTES - 3 # ON GAUGE 0.75 # 539 MCFD 30 MINUTES - 3 # ON GAUGE 0.75 # 539 MCFD 45 MINUTES - 4 # ON GAUGE 1.00 # 615 MCFD 60 MINUTES - 4 # ON GAUGE 1.00 # 615 MCFD 75 MINUTES - 5 # ON GAUGE 1.25 # 687 MCFD 90 MINUTES - 5 # ON GAUGE 1.25 # 687 MCFD

Operations Summary Report

Legal Well Name: SAN JUAN 32-8 UNIT 237A
 Common Well Name: SAN JUAN 32-8 UNIT 237A
 Event Name: COMPLETION
 Contractor Name: KEY ENERGY SVCS
 Rig Name: KEY ENERGY

Start: 7/20/2004
 Rig Release: 7/29/2004
 Rig Number: 27

Spud Date: 6/26/2004
 End: 7/29/2004
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
7/26/2004	14:00 - 16:00	2.00	FLOWT	PRDT	COMPZN	105 MINUTES - 5 # ON GAUGE 1.25 # 687 MCFD
	16:00 - 16:30	0.50	STIMOP	PULD	COMPZN	GIH PICKING UP DRILL PIPE WITH POWER SWIVEL TAG @ 3430'
	16:30 - 19:00	2.50	STIMOP	FCO	COMPZN	R&R CLEAN OUT 3430' TO 3434' CONDITION HOLE TO RUN LINER WITH 1100 CFM AIR, 5 BPH MIST WITH 1/4 GAL CORROSION INHIBITOR, 2 GAL 450 FOAMER, 1 GAL SS-1200 POLYMER PER 10 BARRELS OF WATER. WELL WAS MAKING 2 BPH OF COAL. CHANGED OUT GENERATORS, SPARE GENERATOR UP AND RUNNING @ 1700HRS
	19:00 - 19:30	0.50	STIMOP	SFTY	COMPZN	PJSM WITH ALL PERSONEL ON LOCATION.
	19:30 - 02:30	7.00	STIMOP	CIRC	COMPZN	CONDITION HOLE TO RUN LINER WITH 1100 CFM AIR, 5 BPH MIST WITH 1/4 GAL CORROSION INHIBITOR, 2 GAL 450 FOAMER, 1 GAL SS-1200 POLYMER PER 10 BARRELS OF WATER. WELL WAS MAKING 2 BPH OF COAL.
	02:30 - 03:00	0.50	STIMOP	CIRC	COMPZN	TURN OFF MIST PUMP AND DRY HOLE UP.
	03:00 - 03:45	0.75	STIMOP	PULD	COMPZN	PULL UP INTO CASING LAYING DOWN 12 JOINTS OF DRILL PIPE WITH POWER SWIVEL.
	03:45 - 05:30	1.75	STIMOP	TRIP	COMPZN	RIG DOWN POWER SWIVEL, HANG IN DERRICK AND TRIP OUT OF HOLE TO RUN 5 1/2 LINER.
	05:30 - 06:00	0.50	CASING	OTHR	COMPZN	RIG UP TO RUN 5 1/2 LINER.
	06:00 - 07:00	1.00	CASING	OTHR	COMPZN	RIG UP TO RUN 5 1/2 LINER, CHANGE AND TEST 5 1/2 RAMS. 2" OPEN FLOW TEST 60 MINUTES - 12 # ON GAUGE 3.00 # 1065 MCFD
7/27/2004	07:00 - 07:30	0.50	CASING	SFTY	COMPZN	PJSM AND JSA TO RUN 5 1/2 LINER AND TRIP IN HOLE.
	07:30 - 11:00	3.50	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 1.00' - 8- JTS 5-1/2" CASING 360.15 - 6-1/8" TIW "H" ROTATING SET COLLAR 2.40' - TOTAL LINER ASSEMBLY 363.55' - GIH W/ TOTAL OF 88 JTS 2-7/8" DRILLPIPE T/3125'KB. RU POWER SWIVEL- GIH W/ 5-1/2" LINER ASSEMBLY F/3125' & TAG UP @ 3434'KB,PBTD. SET 5-1/2" LINER ASSEMBLY F/ 3071' TO 3434' KB EOL- W/ PBTD @ 3433KB- RELEASE OFF OF LINER ASSEMBLY TOL @ 3071'KB.
	11:00 - 11:30	0.50	CASING	PULD	COMPZN	RIG DOWN AND LOAD OUT POWER SWIVEL.
	11:30 - 15:00	3.50	CASING	PULD	COMPZN	LAY DOWN DRILL PIPE, TRIP IN HOLE WITH DRILL COLLARS AND LAY DOWN SAME.
	15:00 - 17:00	2.00	CASING	OTHR	COMPZN	RIG DOWN FLOOR AND RIG UP TO RUN 2 3/8 TUBING, SECURE WELL AND DRY WATCH RIG.
	17:00 - 06:00	13.00	STIMOP	OTHR	COMPZN	2 MEN DRY WATCHING RIG.
	06:00 - 07:00	1.00	STIMOP	OTHR	COMPZN	2 MEN DRY WATCHING RIG.
	07:00 - 07:30	0.50	STIMOP	SFTY	COMPZN	PJSM AND JSA FOR PERFORATING.
7/28/2004						

CONOCOPHILLIPS CO

Operations Summary Report

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Legal Well Name: SAN JUAN 32-8 UNIT 237A
 Common Well Name: SAN JUAN 32-8 UNIT 237A
 Event Name: COMPLETION
 Contractor Name: KEY ENERGY SVCS
 Rig Name: KEY ENERGY

Start: 7/20/2004
 Rig Release: 7/29/2004
 Rig Number: 27

Spud Date: 6/26/2004
 End: 7/29/2004
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
7/28/2004	07:30 - 10:00	2.50	PERFOP	PERF	COMPZN	RIG UP BLUE JET AND TEST LUBRICATOR TO 180PSI. PERFORATE AT FOLLOWING INTERVALS. 3332' - 3345' = 13' 52 SHOTS 3270' - 3276' = 6' 24 SHOTS 3318' - 3328' = 10' 40 SHOTS 3256' - 3267' = 11' 44 SHOTS 3216' - 3220' = 4' 16 SHOTS 3194' - 3199' = 5' 20 SHOTS 3183' - 3186' = 3' 12 SHOTS 4 SHOTS PER FOOT, 208 TOTAL SHOTS. 3 WIRELINE RUNS.
	10:00 - 10:30	0.50	FLOWT	PRDT	COMPZN	BLOW WELL DOWN.
	10:30 - 11:30	1.00	FLOWT	PRDT	COMPZN	2" OPEN FLOW TEST 60 MINUTES - 5 # ON GAUGE 1.25 # 687 MCFD
	11:30 - 13:30	2.00	STIMOP	RCST	COMPZN	GIH W/ 30.75" 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 W/ 2-3/8" X 8', & 10' PUP JOINTS- W/ 103 JTS 2-3/8" EUE 8RD 4.7 PPF J-55 TBG MEASURING (3347.61')- LAND TBG W/ 2-3/8" EUE 8RD X 7-1/16" TBG HGR CONTAINING A BPV PBTD @ 3378'KB EOT / MUD ANCHOR @ 3408'KB 1.78" FN @ 3378'KB. PERF INTERVAL 3183-3345'KB. TOP OF LINER @ 3071'KB.
	13:30 - 17:00	3.50	STIMOP	NUND	COMPZN	RIG DOWN FLOOR AND NIPPLE DOWN BOPS, RIG UP TO RUN RODS.
7/29/2004	17:00 - 06:00	13.00	STIMOP	OTHR	COMPZN	2 MEN DRY WATCHING RIG.
	06:00 - 06:00	24.00	STIMOP	OTHR	COMPZN	SHUT DOWN AFTER SAFETY STAND DOWN. 2 MEN DRY WATCHING RIG.
7/30/2004	06:00 - 07:00	1.00	STIMOP	OTHR	COMPZN	2 MEN DRY WATCHING RIG.
	07:00 - 07:30	0.50	STIMOP	SFTY	COMPZN	PJSM WITH ALL PERSONEL ON LOCATION.
	07:30 - 09:00	1.50	STIMOP	SLKL	COMPZN	PULL BLANKING PLUG FROM F-NIPPLE WITH SLICKLINE.
	09:00 - 09:30	0.50	STIMOP	OTHR	COMPZN	RIG UP FLOOR TO RUN RODS.
	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: (CP145) W/ 4' PONY ROD AND 134 3/4" NORRIS, TYPE 78, API GRADE "D" RODS & SPACE OUT W/ 8', 4', 4', 2', 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 @ 3378'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.

