

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: November 30, 2000

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
NMSF078119

1a. Type of Well <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input checked="" type="checkbox"/> Other: CBM			6. If Indian, Allottee or Tribe Name		
b. Type of Completion <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr. Other _____			7. Unit or CA Agreement Name and No.		
2. Name of Operator CONOCOPHILLIPS COMPANY			8. Lease Name and Well No. FC FEDERAL 2A		
3. Address P O BOX 2197 WL 6106 HOUSTON, TX 77252			9. API Well No. 30-045-32506-00-S1		
4. Location of Well (Report location clearly and in accordance with Federal requirements) At surface Sec 12 T32N R11W Mer NMP NWSE 1360FSL 1720FEL At top prod interval reported below At total depth			10. Field and Pool, or Exploratory BASIN FRUITLAND COAL		
14. Date Spudded 10/08/2004			15. Date T.D. Reached 12/07/2004		
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod 12/12/2004			17. Elevations (DF, KB, RT, GL)* 6443 GL		
18. Total Depth: MD 3137 TVD 3137		19. Plug Back T.D.: MD 3136 TVD 3136		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 Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12.250	9.625 H-40	32.3	0	227		150		0	15
8.750	7.000 J-55	20.0	0	2887		470		0	55
6.250	5.500 J-55	15.5	2868	3137		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	3129							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) FRUITLAND COAL	2904	3127	2904 TO 3127	0.750	272	OPEN
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
12/12/2004	12/11/2004	1	→	0.0	1236.0	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	4.0	→	0	29664	0		GSI	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

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

ELECTRONIC SUBMISSION #52146 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

ACCEPTED FOR RECORD

DEC 28 2004

FARMINGTON FIELD OFFICE

BY

INMOOD

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.)
CAPTURED

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
OJO ALAMO	0	171		NACIMIENTO	254
SAN JOSE	171	1395		OJO ALAMO	1506
NACIMIENTO				KIRTLAND	1536
KIRTLAND	1395			FRUITLAND	2736
				PICTURED CLIFFS	3176

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 #52146 Verified by the BLM Well Information System.
For CONOCOPHILLIPS COMPANY, sent to the Farmington
Committed to AFMSS for processing by ADRIENNE BRUMLEY on 12/28/2004 (05AXB0571SE)

Name (please print) JUANITA FARRELL

Title AUTHORIZED REPRESENTATIVE

Signature (Electronic Submission)

Date 12/21/2004

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 ****

END OF WELL SCHEMATIC

Well Name: FC Federal # 2A
 API #: 30-045-32506
 Location: 1360' FSL & 1720' FEL
 Sec. 12 - T32N - R11W
 San Juan County, NM
 Elevation: 6443 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
 7-1/16" 3M x 2-3/8" EUE 8rd Bonnet
 11" 3M x 7-1/16" 3M Tubing Head
 9-5/8" 8 RD x 11" 3M Casing Head

Spud: 8-Oct-04
 Release Drl Rig: 12-Oct-04
 Move In Cav Rig: 3-Dec-04
 Date TD Reached: 6-Dec-04
 Release Cav Rig: 11-Dec-04

Surface Casing Date set: 9-Oct-04
 Size 9 5/8 in
 Set at 227 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 227 ft
 TD of 12-1/4" hole 237 ft

Notified BLM @ 18:39 hrs on 07-Oct-04
 Notified NMOCD @ 18:41 hrs on 07-Oct-04

Intermediate Casing Date set: 11-Oct-04
 Size 7 in 68 jts
 Set at 2887 ft 0 pups
 Wt. 20 ppf Grade J-55
 Hole Size 8 3/4 in Conn STC
 Excess Cmt 160 % Top of Float Collar 2841 ft
 T.O.C. SURFACE Bottom of Casing Shoe 2887 ft
 Pup @ ft TD of 8-3/4" Hole 2892 ft
 Pup @ ft
 Notified BLM @ 09:30 hrs on 10-Oct-04
 Notified NMOCD @ 09:33 hrs on 10-Oct-04

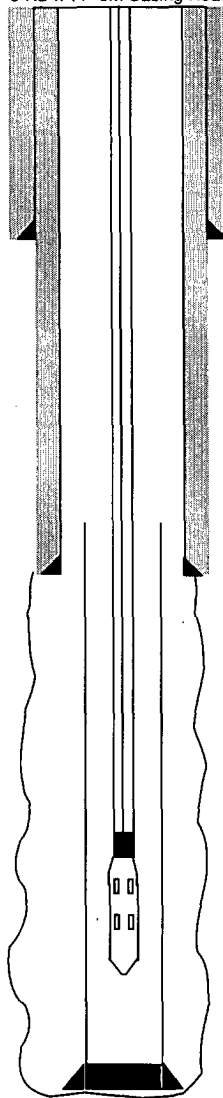
Production Liner Date set: 09-Dec-04
 Size 5 1/2 in
 Nominal Wt. 15.5 ppf
 Grade J-55 Connections: LTC
 # Jnts: 6
 Hole Size 6.25 / 9.5 inches
 Underreamed 6-1/4" hole to 9.5" from 2895' to 3137'
 Top of Liner 2868 ft
 PBTD 3136 ft
 Bottom of Liner 3137 ft

This well was NOT cavitated.

☒ New
☐ Used

☒ New
☐ Used

☒ New
☐ Used



TD 3,137 ft

Surface Cement

Date cmt'd: 9-Oct-04
 Lead : 150 sx Class G Cement
 + 2% BWOC S001 CaCl2
 + 0.25 lb/sx D130 Cellophane Flakes
 1.16 cuft/sx, 174.0 cuft slurry at 15.8 ppg
 Displacement: 14.7 bbls fresh wtr
 Bumped Plug at: 08:19 hrs w/ 500 psi
 Final Circ Press: 70 psi @ 0.8 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 11.50 hrs (plug bump to test csg)

Intermediate Cement

Date cmt'd: 11-Oct-04
 Lead : 370 sx Class G Cement
 + 3% D079 Extender
 + 0.25 lb/sx D029 Cellophane Flakes
 + 0.2% D046 Antifoam
 2.61 cuft/sx, 965.7 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, 127.0 cuft slurry at 13.5 ppg
 Displacement: 115.0 bbls
 Bumped Plug at: 19:14 hrs w/ 1300 psi
 Final Circ Press: 805 psi @ 2.4 bpm
 Returns during job: Yes
 CMT Returns to surface: 55 bbls
 Floats Held: ☒ Yes ☐ No

UNCEMENTED LINER

Schematic prepared by:
 Steven O. Moore, Drilling Engineer
 15-Dec-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 @ 217', 142', 99', 57'. Total: 4
7" Intermediate	DISPLACED W/ 20 BBLs. FRESH WATER AND 95 BBLs SLIGHTLY POLYMERIZED 8.4 PPG DRILL WATER. CENTRALIZERS @ 2877', 2798', 2712', 2626', 2540', 2453', 204', 82', 39'. TURBOLIZERS @ 1554', 1511'. Total: 9 Total: 2
5.5" Liner	9-Dec-04: Ran 6-1/16" bladed shoe with float valve on btm of liner. Ran liner w/ TIW H-Latch Drop Off Tool (no liner hanger).
Perforations	10-Dec-04: Perforated 5-1/2" liner with guns on E-line at 4 spf, 0.75" diameter, 120 degree phased holes Perfs: 2904'-2908', 2913'-2918', 2923'-2932', 3012'-3022', 3026'-3034', 3036'-3044', 3046'-3056', 3081'-3085', 3090'-3095', 3122'-3127'. TOTAL SHOTS = 272.
Tubing	10-Dec-04: Ran 2-7/8" EUE x Orange Peeled Bottom Mud Anchor w/ 8 ea 1/4" slots cut @ 2' and 14' below the upset, 2-7/8" EUE x 2-3/8" EUE crossover, 2-3/8" OD (1.78" ID) F-Nipple, 1 ea 8' x 2-3/8" OD pup jt + 97 jts 2-3/8" 4.7# J-55 EUE 8rd tubing + 1 ea 6' x 2-3/8" OD pup jt + 1 jt 2-3/8" 4.7# J-55 EUE 8rd tbgt EOT / Btm of Mud Anchor at 3129'. 2-3/8" OD x 1.78" ID F-Nipple at 3097'.
Pump & Rods	11-Dec-04: Ran 1" OD x 10 ft long dip tube attached below insert pump with 3 ea 25' x 1-1/4" OD sinker bars on top of pump 120 ea 3/4" OD rods, spaced out with 1 ea 2' x 3/4" OD Pony Rod & 1 ea 1-1/4" OD x 22' polished rod Set pump in F-Nipple at 3097' MD RKB

CONOCOPHILLIPS CO

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Operations Summary Report

Legal Well Name: FC FEDERAL 002A
 Common Well Name: FC FEDERAL 002A
 Event Name: COMPLETION
 Contractor Name: KEY ENERGY SVCS
 Rig Name: KEY 22

Spud Date: 10/8/2004
 Start: 12/3/2004
 End: 12/11/2004
 Rig Release: 12/11/2004
 Group:
 Rig Number: 22

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
12/4/2004	13:00 - 17:00	4.00	MOVE	MOB	COMPZN	SAFETY MEETING PRIOR TO STARTING OPERATIONS-MIRU KEY 22 & SPOT AUXILIARY EQUIPMENT-"LONG MOVE & SHORT DAYS"
	17:00 - 17:30	0.50	WELLPR	OPNW	COMPZN	SDON.
12/5/2004	07:30 - 13:30	6.00	MOVE	MOB	COMPZN	SAFETY MEETING PRIOR TO STARTING OPERATIONS-SPOT AIR EQUIPMENT-RU AUXILIARY EQUIPMENT-"RIG CREW ATTENDED COMPANY MEETING IN AM"
	13:30 - 16:00	2.50	WELCTL	NUND	COMPZN	NIPPLE UP BOPE / BLOOIE LINES.
	17:00 - 17:30	0.50	WELLPR	OPNW	COMPZN	SDON.
12/6/2004	07:00 - 10:15	3.25	WELLPR	RURD	COMPZN	SAFETY MEETING PRIOR TO STARTING OPERATIONS-RIG UP AUXILIARY EQUIPMENT-
	10:15 - 11:00	0.75	WELCTL	BOPE	COMPZN	PT BLIND RAMS / 7" CASING T/ 200 PSIG -10MIN.
						PERFORM CASING INTEGRITY TEST T/ 1800 PSIG-30 MIN (OK)
						NOTIFY BLM/OCD 12-04-2004 OF PENDING TEST.
	11:00 - 12:15	1.25	WELLPR	SFTY	COMPZN	RIG INSPECTION & CORRECTIONS-
	12:15 - 17:00	4.75	RPCOMP	TRIP	COMPZN	SLIP, TALLY, & CALIPER DC'S-
						SLIP & TALLY 2-7/8" AOH DRILL PIPE-
						MU 6-1/4" RR STX-30 TRI-CONE INSERT BIT (SN 5022878), JETTED
						W/ 3-20'S W/ 3-1/2" REG BOX x 2-3/8" IF BOX BIT SUB BORED,
						TAPPED, AND CONTAINING A FLOAT VALVE, W/ 14-(3-1/2")
						DC'S-TBHA 433.54', W/ 2-3/8" IF X 2-7/8" AOH X-O SUB, W/ 1- JOINT
						2-7/8" AOH DRILL PIPE, W/ 2-7/8" AOH X 1.875" ID F NIPPLE, W/
						TOTAL OF 75 JTS 2-7/8" DRILL PIPE T/ T/2772'KB, TOC-
						PULL UP T/ 2600'KB.
12/7/2004	17:00 - 18:00	1.00	WELLPR	OTHR	COMPZN	DRAIN UP & SDON.
	08:00 - 08:30	0.50	WELLPR	RURD	COMPZN	SAFETY MEETING PRIOR TO STARTING OPERATIONS-SI 7" CP -0- PSIG.
	08:30 - 10:00	1.50	RPCOMP	PULD	COMPZN	GIH W/ 6-1/4" DRLG ASSEMBLY F/ 2600 & TAG TOC @ 2772'KB
						RIG UP POWER SWIVEL.
	10:00 - 11:00	1.00	WELLPR	CIRC	COMPZN	CIRCULATE 7" CLEAN W/ Kfc PRODUCED WATER.
	11:00 - 13:30	2.50	WELCTL	BOPE	COMPZN	PT #2 PIPE RAMS CHOKE MANIFOLD / 7" CASING T/200 PSIG -10
						MIN & 1800 PSIG -30MIN (OK)
						PT #1 PIPE RAMS & HCR VALVES T/200 PSIG-10MIN & 1800
						PSIG-20MIN (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/1250 PSIG (OK).
	13:30 - 20:45	7.25	DRILL	DRLG	PROD1	BREAK CIRCULATION W/ 1500 CFM AIR & 10- 6 BPH MIST
						CONTAINING 1 GAL F-450 FOAMER & 1/4 GAL CORROSION
						INHIBITOR / 10 BBLs PRODUCED Kfc WATER@ ~500 PSIG-
						DRILLOUT CMT/FC @ 2841'KB/CMT/FS @2887'KB/8-3/4" OH
						T/2892'KB-
						DRILLING 6-1/4" OPEN HOLE SECTION F/2892 - T/ 3137'KB,PBTD-
						W/ 6K WOB @ 70-80 RPM'S @ 1100-1400 FT-LBS OF TORQUE-
						COAL INTERVALS NET FEET OF COAL MAX GAS UNITS
						2908-2910' (2') 15
						2913-2918' (5') 15
						2925-2931' (6') 400
						3012-3055' (43') 400
						3081-3084' (3') 350
						3091-3094' (3') 200
						3124-3127' (3') 300

Operations Summary Report

Legal Well Name: FC FEDERAL 002A
 Common Well Name: FC FEDERAL 002A
 Event Name: COMPLETION
 Contractor Name: KEY ENERGY SVCS
 Rig Name: KEY 22

Spud Date: 10/8/2004
 Start: 12/3/2004 End: 12/11/2004
 Rig Release: 12/11/2004 Group:
 Rig Number: 22

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
12/7/2004	13:30 - 20:45	7.25	DRILL	DRLG	PROD1	TOTAL NET FEET OF COAL 65'. NO PC TOP, PC PRODUCTIVE IN THIS AREA.
	20:45 - 01:00	4.25	EVALWB	CIRC	PROD1	R&R @ 3137' TD, PBTD W/ 1500 CFM & 6 BBL / HR MIST RATE W/ ABOVE CHEMICALS @ 500 PSIG- RETURNS: 1-1/2+ DOWN T/ 1/4 OF A BUCKET / HR OFF MUD LOGGER SAMPLER VALVE OF COFFEE GROUNDS DOWN TO FINE COAL.
	01:00 - 03:00	2.00	EVALFM	CIRC	PROD1	DRY UP WELLBORE W/ 1500 -750 CFM AIR- @ 1/2 GAL/ MIN = 30 GALS/HR =17 BWPD
	03:00 - 04:00	1.00	RPCOMP	TRIP	PROD1	PULL UP INTO 7".
	04:00 - 05:00	1.00	EVALFM	PRDT	PROD1	FLOW TEST THRU 2" TIME CHOKER MANIFOLD #S PITOT #S MSCFD / CONSISTENCY
						15MIN 12 3.0 1065 / DRY 30MIN 12 3.0 1065 / DRY 45MIN 12 3.0 1065 / DRY 60MIN 12 3.0 1065 / DRY
12/8/2004	05:00 - 06:00	1.00	EVALFM	SIPB	PROD1	SIPBU ISIP 15MIN 30MIN 45MIN 60MIN 19# 84# 84# 84# 84#
	06:00 - 07:00	1.00	EVALFM	SIPB	COMPZN	SAFETY MEETING PRIOR TO STARTING OPERATIONS- NATURAL SURGE #1 W/ 84 PSIG-
	07:00 - 11:00	4.00	RPCOMP	PULD	COMPZN	RETURNS: VERY LITE AMOUNT OF COAL DUST. SHORT TRIP F/ 2867 - T/3135'KB, 2' OF FILL AFTER SURGE #1- PULL UP INTO 7" @2867'KB- RD POWER SWIVEL- REVIEW DERRICK RESCUE AND FALL PROTECTION- COOH W/ 6-1/4" DRLG ASSEMBLY - MU 5-7/8" X 9.5" BAKER OIL TOOLS UNDER-REAMER W/ (ROLLER CUTTERS), W/ 16/32" INCH JET W/ SHOCK SUB, W/ 14-(3-1/2") DC'S,- GIH W/ BHA W/ 2-7/8" AOH DRILL PIPE W/ 1.875" ID "F" NIPPLE RUN 1-JT ABOVE DRILL COLLARS T/2895'KB, 7" SHOE @ 2887'KB. RU POWER SWIVEL.
	11:00 - 15:45	4.75	DRILL	REAM	COMPZN	BREAK CIRCULATION & UNDER-REAM @ 650+ PSIG W/ 1500 CFM AIR & 8-10 BPH MIST- F/2895-3137'KB,PBTD W/ 700-1500-FT-LBS OF TORQUE, W/ ~4K WOB @ 80+ RPM'S.
	15:45 - 17:30	1.75	EVALWB	CIRC	COMPZN	CIRCULATE WELLBORE CLEAN W/ 1500 CFM AIR & F/6 - DOWN T/0 BPH MIST- WELLBORE SEEMED TO DRY UP.
	17:30 - 18:00	0.50	RPCOMP	TRIP	COMPZN	PULL UNDER-REAMER UP INTO 7" CASING @ 2882'KB.
	18:00 - 19:00	1.00	EVALFM	PRDT	COMPZN	FLOW TEST THRU 2" TIME CHOKER MANIFOLD #S PITOT #S MSCFD / CONSISTENCY
						15MIN 10 2.5 970 / DRY 30MIN 10 2.5 970 / DRY 45MIN 10 2.5 970 / DRY 60MIN 10 2.5 970 / DRY
	19:00 - 20:30	1.50	EVALFM	SIPB	COMPZN	SIPBU ISIP 15MIN 30MIN 45MIN 60MIN 18# 83# 86# 94# 94#

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 Rig Name: KEY 22

Start: 12/3/2004 Spud Date: 10/8/2004
 Rig Release: 12/11/2004 End: 12/11/2004
 Rig Number: 22 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
12/8/2004	19:00 - 20:30	1.50	EVALFM	SIPB	COMPZN	BLEED WELL SLOWLY DOWN TO PIT.
	20:30 - 01:00	4.50	RPCOMP	TRIP	COMPZN	RD POWER SWIVEL- REVIEW DERRICK RESCUE AND FALL PROTECTION- COOH W/ & LAYDOWN UNDER-REAMER - GIH W/ 6-1/4" BHA W/ 2-7/8" AOH DRILL PIPE W/ 1.875" ID "F" NIPPLE RUN 1-JT ABOVE DRILL COLLARS T/3134"KB, TOP OF FILL. RU POWER SWIVEL.
	01:00 - 03:00	2.00	EVALFM	CIRC	COMPZN	BREAK CIRCULATION W/ AIR & UNLOAD HEAVY DOWN TO LIGHT MIST- DRY UP WELLBORE < 5BWPD.
	03:00 - 04:00 04:00 - 06:00	1.00 2.00	RPCOMP EVALFM	TRIP SIPB	COMPZN COMPZN	PULL UP INTO 7". SIPBU SURGE # ISIP 15MIN 30MIN 45MIN 60MIN 2 19# 80# 82# 88# 90# RELEASE NATURAL SURGE W/ 90#"S- BLOW AROUND W/ AIR MIST- RETURNS: VERY LITTLE IF ANY COAL. DRY UP W/ AIR- VENT TO ATMOSPHERE.
12/9/2004	06:00 - 15:00	9.00	EVALFM	SIPB	COMPZN	SAFETY MEETING PRIOR TO STARTING OPERATIONS- SIPBU SURGE # ISIP 15MIN 30MIN 45MIN 60MIN 3 19# 80# 86# 88# 90# 4 20# 86# 86# 88# 90# 5 21# 87# 87# 88# 90# 6 22# 86# 88# 88# 88# RELEASE NATURAL SURGES W/ 88-90#"S- BLOW AROUND W/ AIR MIST- RETURNS: VERY LITTLE IF ANY COAL. DRY UP W/ AIR- VENT TO ATMOSPHERE PRIOR TO SIPBU.
	15:00 - 15:45	0.75	RPCOMP	PULD	COMPZN	GIH W/ 6-1/4" DRLG ASSEMBLY F/2867 & TAG UP 3' OF FILL @ 3134"KB-
	15:45 - 04:00	12.25	EVALWB	CIRC	COMPZN	CO 3' OF FILL F/ 3134-T/3137"KB- R&R @ 3137"KB, PBTD W/ 1500 DOWN TO 750 CFM AIR W/ 6 BPH MIST CONTAINING 1 GAL/HR F-450 FOAMER & 1/4 GAL CORRISION INHIBITOR @ 400-250 PSIG- RETURNS: 1+ DOWN TO 1/8TH OF A BUCKET OF COFFEE GROUNDS DOWN TO FACE POWDER SIZE OF COAL, (99.9% COAL).
	04:00 - 06:00	2.00	RPCOMP	TRIP	COMPZN	PULL UP INTO 7" @ 2867"KB- SHORT TRIP F/ 2867-T/3137"KB, PBTD (NO FILL OR BRIDGES)- COOH FOR LINER.
12/10/2004	06:00 - 10:00	4.00	RPCOMP	TRIP	PROD1	SAFETY MEETING PRIOR TO STARTING OPERATIONS- COOH W/ 6-1/4" DRLG ASSEMBLY- BIT GRADED:-(1-1-NO-A-E-I-NO-TD)- MU "H" LATCH LINER HANGER ASSEMBLY ON FIRST JOINT OF DRILL PIPE. RU TO RUN 5-1/2" CASING
	10:00 - 10:30	0.50	WELCTL	BOPE	PROD1	MU 6-1/16" TIW BLADED SHOE ON 1ST JOINT OF CASING.
	10:30 - 12:30	2.00	CASING	RUNC	PROD1	X-O & PT 5-1/2" PIPE RAMS T/ 84 PSIG- (OK) GIH W/ 5-1/2" 15.5 PPF J-55 LT&C CASING / LINER AS FOLLOWS:

CONOCOPHILLIPS CO

Operations Summary Report

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 Rig Number: 22

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
12/10/2004	10:30 - 12:30	2.00	CASING	RUNC	PROD1	6-1/16" OD BLADED SHOE W/ FLOAT VALVE 1.00' 6- JTS 5-1/2" CASING 264.92' 6-1/8" TIW "H" ROTATING SET COLLAR 2.40' TOTAL LINER ASSEMBLY 268.32'
	12:30 - 13:30	1.00	CASING	HOSO	PROD1	GIH W/ 84 JTS 2-7/8" DRILLPIPE T/ 2886'KB. GIH & SET 5-1/2" LINER ASSEMBLY F/2886-T/3137'KB EOL- W/ PBTB @ 3136'KB- RELEASE OFF OF LINER ASSEMBLY TOL @ 2868.7KB.
	13:30 - 19:00	5.50	RPCOMP	PULD	COMPZN	7" SHOE @ 2887'KB. RD POWER SWIVEL- BRAKE OUT SAVER SUB COOH & LAYDOWN 2-7/8" DP AND SETTING TOOL. TRIP IN & LD 3-1/2" DC'S.
	19:00 - 06:00	11.00	WELLPR	RURD	COMPZN	RU TO PERF- PREP & TALLY TBG- RD AUXILIARY EQUIPMENT.
12/11/2004	06:00 - 12:00	6.00	PERF	PERF	COMPZN	SAFETY MEETING PRIOR TO STARTING OPERATIONS- SICP -85 PSIG- RU BLUE JET PERFORATORS- PT LUBRICATOR T/ 85 PSIG (OK)- PERFORATE Kfc INTERVALS 3122-3127' 3090-3095' 3081-3085' 3046-3056' 3036-3044' 3026-3034' 3012-3022' 2923-2932' 2913-2918' 2904-2908'
	12:00 - 13:15	1.25	WELCTL	BOPE	COMPZN	@ 4SPF TOTAL 272 (120 DEGREE PHASED HOLES) 3-MISFIRES RIG DOWN PERFORATORS. PT PIPE 2-3/8" RAMS T/ 85 PSIG- (OK) BLEED WELL SLOWLY DOWN TO PIT. FLOW TEST THRU 2" TIME CHOKES MANIFOLD #S PITOT #S MSCFD / CONSISTENCY 15MIN 16 4.0 1236 / DRY 30MIN 16 4.0 1236 / DRY 45MIN 16 4.0 1236 / DRY 60MIN 16 4.0 1236 / DRY
	13:15 - 16:00	2.75	RPCOMP	PULD	COMPZN	GIH W/ 2-7/8" ORANGE PEELED BOTTOM MUD ANCHOR ASSEMBLY W/ 8" X 1/4" SLOTS @ 2' & 14' DOWN ON ANCHOR (31.08'), W/ 2-7/8" EUE 8RD X 2-3/8" EUE X-O COLLAR (0.46'), W/ 2-3/8" X 1.78" ID F NIPPLE (0.85'), W/ BLANKING PLUG IN FN (TESTED T/1000 PSIG BY B&R SERVICE) -W/ 2-3/8" X 8.00' PUP

CONOCOPHILLIPS CO

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Operations Summary Report

Legal Well Name: FC FEDERAL 002A
 Common Well Name: FC FEDERAL 002A
 Event Name: COMPLETION
 Contractor Name: KEY ENERGY SVCS
 Rig Name: KEY 22

Start: 12/3/2004
 Rig Release: 12/11/2004
 Rig Number: 22

Spud Date: 10/8/2004
 End: 12/11/2004
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
12/11/2004	13:15 - 16:00	2.75	RPCOMPP	PULD	COMPZN	JOINT- W/ 97 JTS 2-3/8" EUE 8RD 4.7 PPF J-55 TBG MEASURING (3040.34') W/ 6' PUP JOINT BURIED BELOW JT #98 (31.40')- TAG BOTTOM @ 3136+/-'KB (NO FILL) PULL UP & LAND TBG W/ 2-3/8" EUE 8RD X 7-1/16" TBG HGR CONTAINING A BPV PBD @ 3136'KB EOT / MUD ANCHOR @ 3129 'KB 1/4" X 8" SLOTS @ 3102 & 3114'KB. 1.78" FN @ 3097.56'KB. PERF INTERVAL 2904-3127'KB. TOP OF LINER @ 2868.7'KB.
12/12/2004	16:00 - 18:00	2.00	WELCTL	NUND	COMPZN	ND BOPE & NU 2-3/8" X 7-1/16" BONNET.
	18:00 - 19:00	1.00	WELLPR	OTHR	COMPZN	DRAIN UP PUMPS & LINES, PICK-UP TOOLS, & SDON.
	07:00 - 10:00	3.00	RPCOMPS	SLKL	COMPZN	SAFETY MEETING PRIOR TO STARTING OPERATIONS- SICP -78 PSIG- RU B&R SLICKLINE- PT LUBRICATOR T/ 78 PSIG (OK)- EQUALIZE & PULL BP IN FN @ 3097'KB- RIG DOWN SLICKLINE. BLEED WELL DOWN TO PIT.
	10:00 - 14:00	4.00	RPCOMPP	PULD	COMPZN	FUNCTION TEST INSERT PUMP (OK)- GIH W/ 10' DIP TUBE W/ STRAINER BOTTOM ATTACHED BELOW 2" X 1 1/2" X 12' RWAC-Z INSERT PUMP SN: (CP206) W/ 3 (1-1/4" x 25') SINKER BARS, AND 120-(3/4") NORRIS, TYPE 78, API GRADE "D" RODS & SPACE W/ 2' 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 @ 3097'KB, FN. LOAD TBG W/ 12 BBLs CLEAN PRODUCED Kfc WATER- PT STANDING VALVE, TBG, STUFFING BOX T/ 500 PSIG (OK)- STROKE PUMP T/500 PSIG & CHECK TRAVELING VALVE (OK). HANG OFF PUMP.
	14:00 - 18:00	4.00	WELLPR	RURD	COMPZN	RIG DOWN & RELEASE RIG @ 18:00, 12-11-2004 TO TOWN- DROP FROM REPORT- TURN OVER TO PRODUCTION OPERATIONS- "JOB COMPLETE".