

UNITED STATES **N.M. Oil Cons. Div-Dist. 2**
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
1301 W. Grand Avenue
Artesia, NM 88210

FORM APPROVED
OMB NO. 1004-0135
Expires January 31, 2004

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

RECEIVED

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

JUN 24 2004

2. Name of Operator

Kerr-McGee Oil & Gas Onshore LLC

OCD-ARTESIA

3a. Address

16666 NORTHCHASE HOUSTON, TX 77060

3b. Phone No. (include area code)

281 673-6590

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1902 FSL & 2088 FEL, SEC 28 T 21S R 23E

5. Lease Serial No.

NM 022535

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

Federal 28-3

9. API Well No.

30-015-33256

10. Field and Pool, or Exploratory Area

Indian Basin Upper Penn

11. County or Parish, State

Eddy

TX

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- | | | | |
|---|---|--|---|
| ☐ Acidize | ☐ Deepen | ☐ Production (Start/Resume) | ☐ Water Shut-Off |
| ☐ Alter Casing | ☐ Fracture Treat | ☐ Reclamation | ☐ Well Integrity |
| ☐ Casing Repair | ☐ New Construction | ☐ Recomplete | ☒ Other Spud |
| ☐ Change Plans | ☐ Plug and Abandon | ☐ Temporarily Abandon | & Drill to TD |
| ☐ Convert to Injection | ☐ Plug Back | ☐ Water Disposal | |

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the final site is ready for final inspection.)

The purpose of this Sundry notice is to report that drilling activity commenced for the Federal 28-3 on March 18, 2004.

A detailed report of this operation is attached.

ACCEPTED FOR RECORD

JUN 23 2004

ALEXIS C. SWOBODA
PETROLEUM ENGINEER

RECEIVED
2004 JUN 9 PM 12 11
CARLSBAD FIELD OFFICE

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

Rod L. Bailey

Title

Proration Manager

Date

5/18/04

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, and Title 43 U.S.C. Section 1212, makes 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.

KERR-MCGEE CORPORATION

Operations Well Summary Report

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Legal Well Name: FEDERAL 28 #3
Common Well Name: FEDERAL 28 #3
Event Name: DRILLING
COMPLETION

Start: 03/08/2004
04/06/2004

Spud Date: 03/17/2004
End: 04/01/2004

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
03/18/2004	06:00 - 11:00	5.00	01		DRLPRO	STAKE AND BUILD DRILLING LOCATION IN EDDY COUNTY, NEW MEXICO AT 1,902' FSL & 2,088' FEL IN SEC 28, T 21 S, R 23 E / SET AND GROUT IN 40' OF 16" CONDUCTOR PIPE / MIRU UNITED DRILLING RIG #4 ON 03-08-2004 AND PRESET 9 5/8" SURFACE CASING / RAN & CEMENTED 33 JOINTS 9 5/8" 36#/FT K-55 STC CASING / CASING SEAT 1,300' / FLOAT COLLAR 1,256' / HALLIBURTON CEMENTED 1ST LEAD W/100 SX THIX-SET, 2ND LEAD W/300 SX HALLIBURTON LITE, TIW 200 SX "C" W/2% CACL2 / FP 500 - 1,300 PSI / PD @ 21:30 HOURS 03-12-2003 / CIRCULATED 6 BBLs (20 SX) CEMENT TO EARTH PIT / RELEASE PRESSURE / FLOATS HELD / WOC 4 HOURS / CUT OFF CONDUCTOR AND 9 5/8" CASING / RELEASED UNITED RIG #4 03-13-2004 @ 01:30 HOURS / MIRU PATTERSON-UTI DRILLING RIG #503 / RKB-GND 19' / WENT ON DAYWORK @ 11:00 HOURS ON 03-17-2004
	11:00 - 18:00	7.00	14		DRLPRO	NIPPLING UP BOP'S, CHOKE MANIFOLD, & FLOWLINE
	18:00 - 06:00	12.00	15		DRLPRO	PRESSURE TESTING BOPE / BLIND RAMS 250 LOW-3000 HIGH / OK / PIPE RAMS 250 LOW-3000 HIGH / NOT HOLDING / HYDRIL 250 LOW-1500 HIGH / OK / CHOKE MANIFOLD AND INSIDE VALVES 250 LOW-3000 HIGH / OK / CHOKE MANIFOLD'S TWO OUTSIDE VALVES BAD WOULD NOT TEST / WAITING ON TWO 4" VALVES AND 4 1/2" PIPE RAMS AT REPORT TIME TO FINISH NIPPLING UP AND TESTING BOPE / ALL FLOOR VALVES AND EQUIPMENT TESTED OK
*****NO ACCIDENTS OR POLLUTION REPORTED LAST 24 HOURS***** FUEL ON HAND: 6,074 GALS FUEL USED: 105 GALS FUEL RECEIVED: 5,000 GALS						
03/19/2004	06:00 - 15:30	9.50	15		DRLPRO	CONTINUE TESTING BOPE / CHANGED OUT 4 1/2" PIPE RAMS AND INSTALLED TWO 4" VALVES ON CHOKE MAINIFOLD / TEST PIPE RAMS 250 LOW - 3,000 HIGH / OK / TEST CHOKE MANIFOLD VALVES 250 LOW - 3,000 HIGH / OK / RIG DOWN TESTER AND RELEASED
	15:30 - 23:30	8.00	06	D	DRLPRO	RIG UP LAYDOWN MACHINE / PU AND MU PACKED HOLE ASSEMBLY / TRIP IN HOLE W/8 3/4" BIT, PACKED HOLE ASSEMBLY, 26-6" DRILL COLLARS, DRILLING JARS, 4-6" DRILL COLLARS / RIG DOWN LAY MACHINE / CONTINUE TRIP IN HOLE & TAG FLOAT COLLAR @ 1,237'
	23:30 - 00:30	1.00	05	A	DRLPRO	BREAK CIRCULATION / REPAIR ALL LEAKS ON NEW SURFACE PIPE SYSTEM
	00:30 - 02:00	1.50	25		DRLPRO	DRILL OUT WIPER PLUG, FLOAT COLLAR, AND HALF OF SHOE JOINT
	02:00 - 02:15	0.25	25		DRLPRO	TEST CASING TO 1,000 PSI / HELD OK
	02:15 - 02:30	0.25	25		DRLPRO	CONTINUE DRILL OUT SHOE JOINT TO 1,300'
	02:30 - 06:00	3.50	02	A	DRLPRO	DRILLING 8 3/4" HOLE F-1,300' T-1,341' / 41' IN 3 1/2 HRS / ROP 11.5 FPH / WOB 10-30K / RPM 60 / PMP 1300 / SPM 55
						*****NO ACCIDENTS OR POLLUTION REPORTED LAST 24 HOURS***** DIESEL ON HAND: 5,863 GALS DIESEL USED: 211 GALS
03/20/2004	06:00 - 11:30	5.50	02	A	DRLPRO	DRILLING 8 3/4" HOLE F-1,341' T-1,594' / 253' / ROP 46 FPH / WOB 65K / RPM 60 / PMP 1300 / SPM 55 / GPM 285
	11:30 - 12:00	0.50	10		DRLPRO	SURVEY @ 1,553' - 1/4 DEG

KERR-MCGEE CORPORATION

Operations Well Summary Report

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Legal Well Name: FEDERAL 28 #3
Common Well Name: FEDERAL 28 #3
Event Name: DRILLING
COMPLETION

Start: 03/08/2004
04/06/2004

Spud Date: 03/17/2004
End: 04/01/2004

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
03/20/2004	12:00 - 13:00	1.00	02	A	DRLPRO	DRILLING F-1,594' T-1,657' / 63' / ROP 63 FPH / WOB 65K / RPM 60 / PMP 1300 / SPM 55 / GPM 285
	13:00 - 13:30	0.50	08	B	DRLPRO	WELL UP LEAK IN SUCTION ON #1 PUMP
	13:30 - 01:00	11.50	02	A	DRLPRO	DRILLING F-1,657' T-2,098' / 441' / ROP 38 FPH / WOB 65K / RPM 60 / PMP 1350 / SPM 55 / GPM 285
	01:00 - 01:30	0.50	10		DRLPRO	SURVEY @ 2,054' - 1/2 DEG
	01:30 - 06:00	4.50	02	A	DRLPRO	DRILLING F-2,098' T-2,220' / 27 FPH / WOB 65K / RPM 60 / PMP 1350 / SPM 55 / GPM 285
						****NO ACCIDENTS OR POLLUTION REPORTED LAST 24 HOURS**** FUEL ON HAND: 5,105 GALS FUEL USED: 758 GALS
03/21/2004	06:00 - 12:30	6.50	02	A	DRLPRO	DRILLING 8 3/4" HOLE F-2,220' T-2,603' / 383' / ROP 58 FPH / WOB 65K / RPM 60 / SPM 60 / GPM 310 / PMP 1450
	12:30 - 13:00	0.50	10		DRLPRO	WL SURVEY @ 2,561' - MISRUN
	13:00 - 14:00	1.00	02	A	DRLPRO	DRILLING F-2,603' T-2,635' / 32' / ROP 32 FPH / WOB 65K / RPM 60 / SPM 60 / GPM 310 / PMP 1450
	14:00 - 14:30	0.50	10		DRLPRO	WL SURVEY @ 2,593 - 1/2 DEG
	14:30 - 19:30	5.00	02	A	DRLPRO	DRILLING F-2,635' T-2,796' / 161' / ROP 32 FPH / WOB 65K / RPM 60 / SPM 60 / GPM 310 / PMP 1450
	19:30 - 20:00	0.50	08	B	DRLPRO	REPAIR LEAK IN STAND PIPE / REPLACE UNION SEAL
	20:00 - 05:00	9.00	02	A	DRLPRO	DRILLING F-2,796' T-3,040' / 244' / ROP 27 FPH / WOB 65K / RPM 60 / SPM 60 / GPM 310 / PMP 1450 / LOST 200 PSI PUMP PRESSURE
	05:00 - 05:30	0.50	05	A	DRLPRO	PUMPED SOFTLINE TO CHECK FOR HOLE IN DRILL PIPE / SAW SOFTLINE GO THROUGH BIT / SWITCHED OVER TO #2 PUMP / RUNNING #2 PUMP @ 60 SPM W/1200 PSI / WORKING ON #1 TO CHECK VALVES / CONTINUE DRILLING W/#2 PUMP
03/22/2004	05:30 - 06:00	0.50	02	A	DRLPRO	DRILLING F-3,040' T-3,050' / 10' / ROP 20 FPH / WOB 65K / RPM 60 / SPM 60 / GPM 278 / PMP 1200
						****NO ACCIDENTS OR POLLUTION REPORTED LAST 24 HOURS**** FUEL ON HAND: 4,326 GALS FUEL USED: 779 GALS
	06:00 - 07:00	1.00	02	A	DRLPRO	DRILLING 8 3/4" HOLE F-3,050' T-3,110' / 60' / ROP 60 FPH / WOB 65K / RPM 60 / SPM 60 / GPM 310 / PMP 1450
	07:00 - 07:30	0.50	10		DRLPRO	WL SURVEY @ 3,068' - 1/2 DEG
	07:30 - 21:00	13.50	02	A	DRLPRO	DRILLING F-3,110' T-3,549' / 439' / ROP 32 FPH / WOB 60K / RPM 60 / SPM 60 / GPM 310 / PMP 1450
	21:00 - 21:30	0.50	10		DRLPRO	WL SURVEY @ 3,506' - 1 DEG
03/23/2004	21:30 - 06:00	8.50	02	A	DRLPRO	DRILLING F-3,549' T-3,780' / 231' / ROP 27 FPH / WOB 60K / RPM 60 / SPM 60 / GPM 310 / PMP 1450
						****NO ACCIDENTS OR POLLUTION REPORTED LAST 24 HOURS**** FUEL ON HAND: 3,657 GALS FUEL USED: 669 GALS
	06:00 - 14:30	8.50	02	A	DRLPRO	DRILLING 8 3/4" HOLE F-3,780' T-4,022' / 242' / ROP 28 FPH / WOB 60-65K / RPM 60 / SPM 60 / GPM 310 / PMP 1450
03/24/2004	14:30 - 15:00	0.50	10		DRLPRO	WL SURVEY @ 3,980' - 1/2 DEG
	15:00 - 06:00	15.00	02	A	DRLPRO	DRILLING F-4,022' T-4,390' / 368' / 24 FPH / WOB 60-65K / RPM 60 / SPM 60 / GPM 310 / PMP 1400
						****NO ACCIDENTS OR POLLUTION REPORTED LAST 24 HOURS**** FUEL ON HAND: 2,887 GALS FUEL USED: 770 GALS
03/24/2004	06:00 - 08:00	2.00	02	A	DRLPRO	DRILLING 8 3/4" HOLE F-4,390' T-4,495' / 105' / ROP 52.5 FPH / WOB 65K / RPM 60 / SPM 60 / GPM 310 / PMP 1450

KERR-MCGEE CORPORATION

Operations Well Summary Report

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Legal Well Name: FEDERAL 28 #3
Common Well Name: FEDERAL 28 #3
Event Name: DRILLING
COMPLETION

Spud Date: 03/17/2004
Start: 03/08/2004 End: 04/01/2004
04/06/2004

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
03/24/2004	08:00 - 08:30	0.50	10		DRLPRO	DEVIATION SURVEY @ 4,453' - 1 1/2 DEG
	08:30 - 15:00	6.50	02	A	DRLPRO	DRILLING F-4,495' T-4,692' / 97' / ROP 30 FPH / WOB 65K / RPM 60 / SPM 60 / GPM 310 / PMP 1450
	15:00 - 15:30	0.50	07		DRLPRO	RIG REPAIR - SWAP PUMPS TO #2 AND WORK ON #1
	15:30 - 17:30	2.00	02	A	DRLPRO	DRILLING W/#2 PUMP F-4,692' T-4,747' / 55' / ROP 27 FPH / WOB 65K / RPM 60 / SPM 60 / GPM 278 / PMP 1300
	17:30 - 18:00	0.50	10		DRLPRO	DEVIATION SURVEY @ 4,703' - MISRUN
	18:00 - 19:30	1.50	02	A	DRLPRO	DRILLING W/#1 PUMP F-4,747' T-4,779' / 32' / ROP 21 FPH / WOB 65K / RPM 60 / SPM 60 / GPM 310 / PMP 1450
	19:30 - 20:00	0.50	10		DRLPRO	DEVIATION SURVEY @ 4,737' - 2 1/4 DEG
	20:00 - 05:30	9.50	02	A	DRLPRO	DRILLING F-4,779' T-5,032' / 253' / ROP 26.6 FPH / WOB 65K / RPM 60 / SPM 60 / GPM 310 / PMP 1450
	05:30 - 06:00	0.50	10		DRLPRO	DEVIATION SURVEY @ 4,990' - 2 DEG
						****NO ACCIDENTS OR POLLUTION REPORTED LAST 24 HOURS**** FUEL ON HAND: 2,045 GALS FUEL USED: 842 GALS
03/25/2004	06:00 - 13:30	7.50	02	A	DRLPRO	DRILLING 8 3/4" HOLE F-5,032' T-5,284' / 252' / ROP 33.6 FPH / WOB 65K / RPM 60 / SPM 60 / GPM 310 / PMP 1450
	13:30 - 14:00	0.50	10		DRLPRO	DEVIATION SURVEY @ 5,243' - 2 1/2 DEG
	14:00 - 20:30	6.50	02	A	DRLPRO	DRILLING F-5,284' T-5,506' / 222' / ROP 26.1 FPH / WOB 65K / RPM 60 / SPM 60 / GPM 310 / PMP 1450
	20:30 - 21:00	0.50	10		DRLPRO	DEVIATION SURVEY @ 5,464' - 3 DEG
	21:00 - 00:30	3.50	02	A	DRLPRO	DRILLING F-5,506' T-5,601' / 95' / ROP 27.1 FPH / WOB 50K / RPM 70 / SPM 60 / GPM 310 / PMP 1450
	00:30 - 01:00	0.50	10		DRLPRO	DEVIATION SURVEY @ 5,559' - 2 1/2 DEG
	01:00 - 06:00	5.00	02	A	DRLPRO	DRILLING F-5,601' T- 5,696' / 95' / ROP 19 FPH / WOB 50K / RPM 70 / SPM 60 / GPM 310 / PMP 1450 ****NO ACCIDENTS OR POLLUTION REPORTED LAST 24 HOURS**** FUEL ON HAND: 4,772 GALS FUEL USED: 773 GALS FUEL RECEIVED: 3,500 GALS
03/26/2004	06:00 - 12:00	6.00	02	A	DRLPRO	DRILLING 8 3/4" HOLE F-5,696' T-5,854' / 156' / ROP 26 FPH / WOB 50K / RPM 70 / SPM 60 / GPM 310 / PMP 1450
	12:00 - 12:30	0.50	10		DRLPRO	DEVIATION SURVEY @ 5,813' - 3 DEG
	12:30 - 22:30	10.00	02	A	DRLPRO	DRILLING F-5,854' T-6,107' / 253' / ROP 25.3 FPH / WOB 50K / RPM 70 / SPM 60 / GPM 310 / PMP 1450
	22:30 - 23:00	0.50	10		DRLPRO	DEVIATION SURVEY @ 6,065' - 2 1/2 DEG
	23:00 - 06:00	7.00	02	A	DRLPRO	DRILLING F-6,107' T-6,280' / 173' / ROP 23.2 FPH / WOB 50K / RPM 70 / SPM 60 / GPM 310 / PMP 1450 ****NO ACCIDENTS OR POLLUTION REPORTED LAST 24 HOURS**** FUEL ON HAND: 3,991 GALS FUEL USED: 781 GALS
03/27/2004	06:00 - 07:30	1.50	02	A	DRLPRO	DRILLING 8 3/4" HOLE F-6,280' T-6,360' / 80' / ROP 53 FPH / WOB 50K / RPM 70 / SPM 60 / GPM 310 / PMP 1450
	07:30 - 08:00	0.50	10		DRLPRO	DEVIATION SURVEY @ 6,319' - 3 1/2 DEG
	08:00 - 11:30	3.50	02	A	DRLPRO	DRILLING F-6,360' T-6,455' / 95' / ROP 27 FPH / WOB 45K / RPM 70 / SPM 60 / GPM 310 / PMP 1450
	11:30 - 12:00	0.50	10		DRLPRO	DEVIATION SURVEY @ 6,414' - 3 DEG
	12:00 - 16:00	4.00	02	A	DRLPRO	DRILLING F-6,455' T-6,551' / 96' / ROP 24 FPH / WOB 45K / RPM 70 / SPM 60 / GPM 310 / PMP 1450
	16:00 - 16:30	0.50	10		DRLPRO	DEVIATION SURVEY @ 6,509' - 2 1/2 DEG
	16:30 - 02:00	9.50	02	A	DRLPRO	DRILLING F-6,551' T-6,803' / 252' / ROP 26.5 FPH / WOB 45K / RPM 70 / SPM 60 / GPM 310 / PMP 1450

KERR-MCGEE CORPORATION

Operations Well Summary Report

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Legal Well Name: FEDERAL 28 #3
 Common Well Name: FEDERAL 28 #3
 Event Name: DRILLING
 COMPLETION

Start: 03/08/2004
 04/06/2004

Spud Date: 03/17/2004
 End: 04/01/2004

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
03/27/2004	02:00 - 02:30	0.50	10	A	DRLPRO	DEVIATION SURVEY @ 6,761' - MISRUN
	02:30 - 03:30	1.00	02		DRLPRO	DRILLING F-6,803' T-6,835' / 32' / ROP 32 FPH / WOB 45K / RPM 70 / SPM 60 / GPM 310 / PMP 1450
	03:30 - 04:00	0.50	10	A	DRLPRO	DEVIATION SURVEY @ 6,793' - 1 1/4 DEG
	04:00 - 06:00	2.00	02		DRLPRO	DRILLING F-6,835' T-6,867' / 32' / ROP 16 FPH / WOB 45K / RPM 70 / SPM 60 / GPM 310 / PMP 1450 *****NO ACCIDENTS OR POLLUTION REPORTED LAST 24 HOURS***** FUEL ON HAND: 3,214 GALS FUEL USED: 777 GALS
03/28/2004	06:00 - 07:30	1.50	02	A	DRLPRO	DRILLING 8 3/4" HOLE F-6,867' T-6,930' / 63' / ROP 42 FPH / WOB 45K / RPM 70 / SPM 60 / GPM 310 / PMP 1450
	07:30 - 17:00	9.50	06	A	DRLPRO	PUMP SWEEP / DROP TOTCO / TRIP OUT OF HOLE FOR BIT #2 / NO EXCESS DRAG OR OTHER HOLE PROBLEMS ON TRIP OUT / LAY DOWN PACKED BHA / TRIP IN HOLE WITH BIT #2 / WASH 60' TO BOTTOM / NO FILL
	17:00 - 06:00	13.00	02	A	DRLPRO	DRILLING F-6,930' T-7,113' / 183' / ROP 14 FPH / WOB 50K / RPM 70 / SPM 60 / GPM 310 / PMP 1150 / MUD UP HOLE WHILE DRILLING AHEAD / HAVE 20 PPB LCM IN SYSTEM *****NO ACCIDENTS OR POLLUTION REPORTED LAST 24 HOURS***** FUEL ON HAND: 2,565 GALS FUEL USED: 649 GALS
03/29/2004	06:00 - 09:00	3.00	02	A	DRLPRO	DRILLING 8 3/4" HOLE F-7,113' T-7,192' / 79' / ROP 26 FPH / WOB 50K / RPM 70 / SPM 60 / GPM 310 / PMP 1150 / LOST 100% RETURNS @ 7,192' / PICK UP BIT TO 7,132'
	09:00 - 10:00	1.00	23	A	DRLPRO	MIX AND PUMP 50 BBL LCM PILL W/30 PPB LCM / REGAINED 98% RETURNS AFTER PILL WAS DIPLACED THRU BIT
	10:00 - 15:00	5.00	02	A	DRLPRO	DRILLING F-7,192' T-7,255' / 63' / ROP 12.6 FPH / WOB 40K-45K / RPM 70 / SPM 60 / GPM 310 / PMP 1450 / BIT TORQUEING AND JUMPING DUE TO VUGULAR FORMATION IN UPPER PENN / HAVING TO HOLD OFF WEIGHT TO KEEP BIT ROTATING
	15:00 - 15:30	0.50	10	A	DRLPRO	DEVIATION SURVEY @ 7,214' - 1/2 DEG
	15:30 - 06:00	14.50	02		DRLPRO	DRILLING F-7,255' T-7,494' / 239' / ROP 16.4 FPH / WOB 45K-50K / RPM 70 / SPM 60 / GPM 310 / PMP 1450 / STARTED OUT WITH 95%-98% RETURNS / AT REPORT TIME DRILLING WITH 100% RETURNS / NO LOSSES TO WELLBORE / LOST 250 BBLs TO FORMATION LAST 24 HOURS *****NO ACCIDENTS OR POLLUTION REPORTED LAST 24 HOURS***** FUEL ON HAND: 1,746 GALS FUEL USED: 819 GALS
03/30/2004	06:00 - 05:30	23.50	02	A	DRLPRO	DRILLING 8 3/4" HOLE F-7,494' T-7,800' / 306' / ROP 13 FPH / WOB 60K-63K / RPM 65 / SPM 60 / GPM 310 / PMP 1450 / TD @ 05:30 HOURS 03-30-2004
	05:30 - 06:00	0.50	05	A	DRLPRO	PUMP SWEEP AND CIRCULATING PRIOR TO TRIP OUT FOR OPEN HOLE LOGS *****NO ACCIDENTS OR POLLUTION REPORTED LAST 24 HOURS***** FUEL ON HAND: 3,991 GALS FUEL USED: 755 GALS FUEL RECEIVED: 3,000 GALS
03/31/2004	06:00 - 07:30	1.50	05	A	DRLPRO	CIRCULATE AND CONDITION HOLE FOR OPEN HOLE LOGS
	07:30 - 11:30	4.00	06	C	DRLPRO	TRIP OUT FOR OPEN HOLE LOGS / HAD TIGHT HOLE FOR TWO STANDS COMING OFF BOTTOM / NO OTHER DRAG OR HOLE PROBLEMS REST OF WAY OUT

KERR-MCGEE CORPORATION

Operations Well Summary Report

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Legal Well Name: FEDERAL 28 #3
 Common Well Name: FEDERAL 28 #3
 Event Name: DRILLING
 COMPLETION

Start: 03/08/2004
 04/06/2004
 Spud Date: 03/17/2004
 End: 04/01/2004

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
03/31/2004	11:30 - 21:30	10.00	11	A	DRLPRO	RIG UP HALLIBURTON LOGGING SERVICES / HLS RAN SDL-DSN-GR-CAL-ML F-7,715' T-1,318' / LOGGERS DID NOT TAG BOTTOM DUE TO TIGHT HOLE ON TRIP OUT / HLS RAN XRM F-7,715' T-6,800' / RIG DOWN HALLIBURTON LOGGING SERVICES
	21:30 - 23:30	2.00	06	C	DRLPRO	TRIP IN HOLE TO 1,300' WITH BIT, DRILL COLLARS, AND DRILL PIPE
	23:30 - 00:30	1.00	09		DRLPRO	SLIP AND CUT DRILLING LINE
	00:30 - 03:00	2.50	06	C	DRLPRO	FINISH TRIPPING IN HOLE / WASH 60' TO BOTTOM / NO FILL AND NO TIGHT HOLE
	03:00 - 06:00	3.00	05	A	DRLPRO	PUMP SWEEP AND CIRCULATE TWO BOTTOMS UP PRIOR TO LAYING DOWN DRILL STRING TO RUN 7" CASING ****NO ACCIDENTS OR POLLUTION REPORTED LAST 24 HOURS**** FUEL ON HAND: 3,546 GALS FUEL USED: 445 GALS
04/01/2004	06:00 - 16:00	10.00	06	H	DRLPRO	TRIP OUT OF HOLE LAYING DOWN DRILL PIPE AND DRILL COLLARS / BREAK OUT KELLY AND SUBS
	16:00 - 02:00	10.00	12	A	DRLPRO	RIG UP CASING CREW / HOLD PRE CASING RUNNIG SAFETY MEETING / RAN & CEMENTED 180 JTS 7" 23 & 26 LB/FT J-55; K-55; L-80; HCL-80 CASING / CS 7,800' / FC 7,718' / DV TOOL 6,889' / BJ PRECEDED 1ST STAGE CEIMENT WITH 500 GALS MUD FLUSH-1 / BJ CEMENTED 1ST STAGE WITH 300 SX 61:15:11 POZ 'C' (FLY ASH) + 0.5% FL-52 + 0.5% FL-25 + 3% SALT + 8 #/SK LCM-1 / FP 800 - 1500 PSI / PD @ 04:30 HRS / HELD PSI FOR 5 MIN / RELEASED PSI / FLOATS HELD OK / DROP OPENING BOMB / WAIT 30 MIN / SET ECP AND OPEN DV TOOL W/1500 PSI / BJ CIRCULATED 10 BBLS FW THRU DV TOOL / CIRCULATED THRU DV TOOL WITH RIG PUMP FOR 1 1/2 HOURS / RECOVERED 56 BBLS CEMENT OFF DV TOOL / BJ CEMENTED 2ND STAGE WITH 550 SX 35:65:6 POZ "C" + 0.2% FL-25 + 5 #/SK SALT + 5 #/SK LCM-1 + 0.25% CELLO FLAKE / FP 1500 - 3000 PSI / HELD PSI FOR 5 MIN / RELEASED PSI / DV TOOL CLOSED / NO LEAK BACK THRU 7" CASING / HAD 100% RETURNS THRU OUT BOTH STAGES OF CEMENTING
	02:00 - 02:30	0.50	05	A	DRLPRO	CIRCULATING WITH CASING ON BOTTOM PRIOR TO CEMENTING 1ST STAGE
	02:30 - 04:30	2.00	12	C	DRLPRO	BJ CEMENTED 1ST STAGE
	04:30 - 06:00	1.50	05	A	DRLPRO	DROP OPENING BOMB FOR DV TOOL / WAIT 30 MINUTES FOR BOMB TO FALL / PRESSURE UP ON DV TOOL AND SET ECP / OPEN DV TOOL WITH 1500 PSI / BJ CIRCULATE 10 BBLS FRESH WATER THRU DV TOOL / CIRCULATED THRU DV TOOL FOR 1 HOUR WITH RIG PUMP / RECOVERED 56 BBLS CEMENT OFF DV TOOL ****NO ACCIDENTS OR POLLUTION REPORTED LAST 24 HOURS**** FUEL ON HAND: 3,214 GALS FUEL USED: 332 GALS
04/02/2004	06:00 - 06:30	0.50	05	A	DRLPRO	CIRCULATE THRU DV TOOL PRIOR TO CEMENTING 2ND STAGE CEMENT
	06:30 - 08:00	1.50	12	C	DRLPRO	BJ SERVICES CEMENTED 2ND STAGE
	08:00 - 12:00	4.00	14		DRLPRO	NIPPLE DOWN BOPE / MAKE ROUGH CUT ON 7" CASING / REMOVE BOP STACK FROM UNDER SUBSTRUCTURE / MAKE FINAL CUT ON 7" CASING / INSTALL AND NIPPLE UP 7 1/6" 3M X 11' 3M TUBING HEAD WITH DRY HOLE PLATE / TEST WELLHEAD TO 3000 PSI / HELD OK
	12:00 - 18:00	6.00	01		DRLPRO	JET AND CLEAN STEEL PITS / RELEASED PATTERSON RIG #503 @ 18:00 HOURS ON 04/01/2004

Operations Well Summary Report

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Legal Well Name:	FEDERAL 28 #3
Common Well Name:	FEDERAL 28 #3
Event Name:	DRILLING COMPLETION

Start: 03/08/2004
04/06/2004

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