

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

N.M. ON OCS
1301 W. 1st St.
Artesia, NM

FORM APPROVED
OMB NO. 1004-0135
Expires: November 30, 2000

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.

5. Lease Serial No.

05612A

6. If Indian, Allottee or Tribe Name

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

SW 158

8. Well Name and No.

BRIGHT FEDERAL

4

9. API Well No.

30-015-31674

10. Field and Pool, or Exploratory Area

INDIAN BASIN UPPER PENN

11. County or Parish, State

EDDY

NM

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

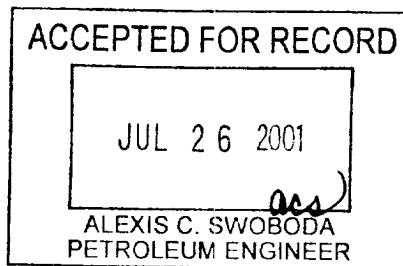
TYPE OF ACTION

- | | | | |
|---|---|--|--|
| ☐ Acidize | ☐ Deepen | ☐ Production (Start/Resume) | ☐ Water Shut-Off |
| ☐ Alter Casing | ☐ Fracture Treat | ☐ Reclamation | ☐ Well Integrity |
| ☐ Casing Repair | ☐ New Construction | ☐ Recomplete | ☒ Other Completion / |
| ☐ Change Plans | ☐ Plug and Abandon | ☐ Temporarily Abandon | First Sales |
| ☐ 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 recomplete 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 recompletion 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.)

THIS SUNDRY NOTICE IS BEING SUBMITTED TO REPORT THE SUCCESSFUL COMPLETION OF THE ABOVE REFERENCED WELL.

THE ATTACHED 'DIMS-WELL OPERATIONS LOG' GIVES SPECIFIC DETAILS OF THIS OPERATION.



RECEIVED
2001 JUL 25 PM 12 44
BUREAU OF LAND MGMT
CARLSBAD FIELD OFFICE

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

Beverly Hoffman

Title

PRORATION ANALYST

Date 07/20/01

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

RECEIVED
2001 JUL 26 AM 9:03
BUREAU OF POSTAL SERVICE
POSTAL OFFICE

**Kerr-McGee Oil and Gas Corporation
DIMS - Well Operations Log**

Well Name: BRIGHT FEDERAL #4 - From: 01-JAN-2001 To: 31-DEC-2001

Event Description	Activity Date	From Time	To Time	Operation Description
Drilling	30-May-01	06:00	21:00	STAKE BRIGHT FED # 4 1980' FSL & 1850 FEL SEC 21 R 21S T 23E EDDY CO NEW MEXICO / BUILD LOCATION / MIRU PATTERSON RIG # 49
		21:00	06:00	SPUD @ 21:00, 5-29-2001 / 40' OF CONDUCTOR PRESET / DRILL 14 3/4" HOLE 40'-95' / NO ACCIDENTS OR POLLUTION
	31-May-01	06:00	18:30	DRILL 14 3/4" HOLE 95'-255' FULL RETURNS
		18:30	18:45	WL SURVEY 1/2 DEG @ 255'
		18:45	06:00	DRILL 14 3/4" HOLE 255'-509' WITH FULL RETURNS / NO ACCIDENTS OR POLLUTION
	01-Jun-01	06:00	08:45	DRILL 14 3/4" HOLE 509'-520'
		08:45	09:15	JET SHALE PIT
		09:15	10:45	DRILL 14 3/4" HOLE 520-530'
		10:45	11:00	WL SURVEY 1/2 DEG @ 530'
		11:00	16:30	DRILL 14 3/4" HOLE 530'-686'
		16:30	19:00	BIT PLUGGED TRIP OUT TO UNPLUG BIT
		19:00	06:00	DRILL 14 3/4" HOLE 686-926 / NO ACCIDENTS OR POLLUTION
	02-Jun-01	06:00	11:30	DRILL 14 3/4" HOLE 926-1023 / BIT PLUG
		11:30	13:00	TOH / BIT PLUGGED WITH CLAY / UNPLUG BIT
		13:00	14:00	JET SHALE PITS
		14:00	16:00	TRIP IN HOLE
		16:00	16:45	COND MUD & BUILD VOLUME
		16:45	21:30	DRILL 14 3/4" HOLE 1023-1065
		21:30	22:00	WL SURVEY 1 DEG @ 1065
		22:00	06:00	DRILL 14 3/4" HOLE 1065-1281 / NO ACCIDENTS OR POLLUTION
	03-Jun-01	06:00	07:45	DRILLED 14 3/4" HOLE FROM 1281 TO 1307'
		07:45	13:45	CIRCULATE & PUMPED 50 VIS SWEEP / CIRC & WAIT ON CSG CREW
		13:45	17:30	TOH & LD 8" DC'S
		17:30	19:15	RIG UP CSG CREW RUN 9 5/8" CSG TO 1307'
		19:15	21:30	BJ CMT 9 5/8" SURF CSG / LEAD: 745 SKS CLS "C" 35:65, TAIL WITH 200 SKS CLS "C" CMT + 2% CACL2 PLUG DOWN @ 21:30 PRESS TO 1000 PSI BLED OFF. FLOAT HOLDING OK. CIRC 109 SKS(40 BBLs) TO PIT. WITNESSED BY MR. DUNCAN W/ BLM.
		21:30	06:00	WOC / NO ACCIDENTS OR POLLUTION
	04-Jun-01	06:00	08:00	WAIT ON CMT
		08:00	13:00	CUT OFF CSG & WELD ON CSG HEAD / & WOC
		13:00	17:00	NIPPLE UP BOP'S & FLOW LINE
		17:00	19:00	PRESSURE TEST BOP'S 250 PSI LOW 3000 PSI HIGH
		19:00	19:30	INSTALL WEAR BUSHING
		19:30	21:00	STRAP BHA & DRILL PIPE / TIH W/ SAME / TAG 1263'
		21:00	22:45	DRILL OUT FLOAT COLLAR & 1/2 SHOE JT TEST CSG TO 1000 PSI / FINISH DO SHOE
		22:45	06:00	DRILL 8 3/4" F-1307 T-1590' / NO ACCIDENTS OR POLLUTION
	05-Jun-01	06:00	19:15	DRILL 8 3/4" HOLE F 1590- T 1840
		19:15	19:30	SURVEY 1 DEG @ 1840'
		19:30	06:00	DRILL 8 3/4" HOLE F- 1840-2295' NO ACCIDENTS OR POLLUTION
	06-Jun-01	06:00	07:45	DRILLED 8 3/4" HOLE F-2295' T-2366' / WOB 50K / RPM 60 / PMP 1700
		07:45	08:45	RIG REPAIR - SHIFTING FORK ON COMPOUND SPLITTER

Kerr-McGee Oil and Gas Corporation .
DIMS - Well Operations Log

Well Name: BRIGHT FEDERAL #4 - From: 01-JAN-2001 To: 31-DEC-2001

Event Description	Activity Date	From Time	To Time	Operation Description
Drilling	06-Jun-01	08:45	16:30	DRILLING F-2366' T-2586' / WOB 50K / RPM 60 / PMP 1700
		16:30	16:45	WLS @ 2540' - 1 3/4 DEG
		16:45	06:00	DRILLING F-2586' T-2924' / WOB 50K / RPM 60 / PMP 1750 NO ACCIDENTS OR POLLUTION REPORTED
	07-Jun-01	06:00	12:45	DRILLING 8 3/4" HOLE F-2924' T-3087' / WOB 50K / RPM 60 / PMP 1700
		12:45	13:00	WLS @ 3040' - 2 1/2 DEG
		13:00	18:15	DRILLING F-3087' T-3212' / WOB 50K / RPM 60 / PMP 1700
		18:15	18:30	WLS @ 3170' - 3 DEG
		18:30	23:30	DRILLING F-3212' T-3306' / WOB 50K RPM 60 / PMP 1700
		23:30	00:00	WLS @ 3264' - 3 DEG
		00:00	06:00	DRILLING F-3306' T-3414' / WOB 50K / RPM 60 / PMP 1700 NO ACCIDENTS OR POLLUTION REPORTED
	08-Jun-01	06:00	07:00	DRILLING 8 3/4" HOLE F-3414' T-3442' / WOB 50K / RPM 60 / PMP 1700
		07:00	07:15	RIG SERVICE
		07:15	11:00	DRILLING F-3442' T-3517' / WOB 50K / RPM 60 / PMP 1700
		11:00	11:30	REPLACE AUTOMATIC DRILLER
		11:30	15:45	DRILLING F-3517' T-3588' / WOB 50K / RPM 60 / PMP 1700
		15:45	16:00	WLS @ 3540' - 3 1/4 DEG
		16:00	06:00	DRILLING F-3588' T-3873' / WOB 50K / RPM 60 / PMP 1700 NO ACCIDENTS OR POLLUTION REPORTED
	09-Jun-01	06:00	06:15	WLS @ 3829' - 3 DEG
		06:15	08:45	DRILLING 8 3/4" HOLE F-3873' T-3964' / WOB 50K / RPM 60 / PMP 1700
		08:45	09:00	WLS @ 3922' - 3 DEG
		09:00	14:30	DRILLING F-3964' T-4089' / WOB 50K / RPM 60 / PMP 1700
		14:30	14:45	WLS @ 4047' - 3 DEG
		14:45	23:15	DRILLING F-4089' T-4215' / WOB 50K / RPM 60 / PMP 1700
		23:15	23:30	WLS @ 4173' - 3 DEG
		23:30	06:00	DRILLING F-4215' T-4326' / WOB 50K / RPM 60 / PMP 1700 NO ACCIDENTS OR POLLUTION REPORTED
	10-Jun-01	06:00	06:15	WLS @ 4299' - 3 DEG
		06:15	06:30	SERVICE RIG
		06:30	19:45	DRILLING 8 3/4" HOLE F-4326' T-4583' / WOB 50K / RPM 60 / PUMP 1800
		19:45	20:00	CHECK PUMPS AND OTHER SURFACE EQUIPMENT FOR PUMP PRESSURE LOSS / PUMP SOFTLINE AND REGAIN SOME PUMP PRESSURE / HOLE IN DRILL PIPE
		20:00	21:00	TRIP FOR HOLE IN DRILL PIPE / FOUND CRACKED JOINT 2' ABOVE TOOL JOINT 2/3 WAY AROUND
		21:00	00:15	DRILLING F-4583' T-4655' / WOB 50K / RPM 60 / PUMP 1800
		00:15	00:45	WLS @ 4613' - 3 DEG
		00:45	06:00	DRILLING F-4655' T-4769' / WOB 50K / RPM 60 / PUMP 1800 NO ACCIDENTS OR POLLUTION REPORTED
	11-Jun-01	06:00	12:15	DRILLING 8 3/4" HOLE F-4769' T-4901' / WOB 50K / RPM 60 / PUMP 1350
		12:15	12:45	WLS @ 4865' - 4 3/4 DEG
		12:45	18:30	DRILLING F-4901' T-4970' / WOB 35K / RPM 60 / PUMP 1350
		18:30	19:00	WLS @ 4970' - 4 3/4 DEG
		19:00	23:45	DRILLING F-4970' T-5032' / WOB 35K / RPM 60 / PUMP 1350
		23:45	00:30	WLS @ 4990' - 5 DEG

**Kerr-McGee Oil and Gas Corporation
DIMS - Well Operations Log**

Well Name: BRIGHT FEDERAL #4 - From: 01-JAN-2001 To: 31-DEC-2001

Event Description	Activity Date	From Time	To Time	Operation Description
Drilling	11-Jun-01	00:30	06:00	DRILLING F-5032' T-5088' / WOB 35K / RPM 60 / PUMP 1350 NO ACCIDENTS OR POLLUTION REPORTED
	12-Jun-01	06:00	11:00	DRILLING 8 3/4" HOLE F- 5088' T-5113' / WOB 30K /RPM 70 / PMP 1350
		11:00	11:30	WLS @ 5113' 5 1/4 DEG
		11:30	12:30	DRILING 8 3/4" HOLE F-5113 T-5155' / WOB 30K / RPM 70 / PMP 1350
		12:30	15:30	TOH TO CHG BHA
		15:30	16:30	TIH W/ NEW BHA
		16:30	17:15	CUT DRILLING LINE (125')
		17:15	18:30	FINISH TIH
		18:30	01:30	DRL 8 3/4" HOLE F-5155 T-5175' / WOB 30K / 70 RPM / PMP 1350 PSI
		01:30	02:00	WLS @ 5175' 4 3/4 DEG
		02:00	06:00	DRILLING 8 3/4" HOLE F-5175 T-5260' / NO ACCIDENTS OR POLLUTION
	13-Jun-01	06:00	10:00	DRILL 8 3/4" HOLE F-5260 T-5297 / WOB 35K / RPM 70 / PMP1350
		10:00	10:30	WLS 4 1/4 DEG @ 5297
		10:30	16:30	DRILL 8 3/4" HOLE F-5297 T-5361' / WOB 30K / 70 RPM / PMP 1350
		16:30	17:00	WLS 4 DEG @ 5361
		17:00	23:45	DRILL 8 3/4" HOLE F-5361 T-5425 / WOB 30K / 70 RPM / PMP 1350
		23:45	00:15	WLS 4 DEG @ 5425'
		00:15	06:00	DRILL 8 3/4" HOLE F-5425 T-5495' / WOB 30K /70 RPM / PMP 1350 / NO ACCIDENTS OR POLLUTION REPORTED
	14-Jun-01	06:00	08:45	DRILL 8 3/4" HOLE F-5495- T-5530' / 30K WOB / 70 RPM 1350 PMP
		08:45	09:15	WLS 3 3/4 DEG @ 5488'
		09:15	14:00	DRILL 8 3/4" HOLE F-5530 T-5598 / 30-40K WOB / 70 RPM / PMP 1400
		14:00	14:30	WLS 3 DEG @ 5582
		14:30	23:45	DRILL 8 3/4" HOLE F-5598 T-5750 / 40K WOB / 70 RPM / PMP 1400
		23:45	00:00	WLS 2 3/4" DEG @ 5708
		00:00	06:00	DRILL 8 3/4" HOLE F -5750 T-5860 / 40 K WOB / 70 RPM / PMP 1400 / NO ACCIDENTS OR POLLUTION REPORTED
	15-Jun-01	06:00	08:30	DRILLING 8 3/4" HOLE F-5860' T-5940' / WOB 50K / RPM 60 / PUMP 1400
		08:30	09:00	WLS @ 5898' - 2 1/4 DEG
		09:00	15:30	DRILLING F-5940' T-6129' / WOB 50K / RPM 60 / PUMP 1400
		15:30	16:00	WLS @ 6087' - 2 1/2 DEG
		16:00	22:30	DRILLING F-6129' T-6344' / WOB 50K / RPM 60 / PUMP 1400
		22:30	23:00	WLS @ 6302' - 3 DEG
		23:00	02:00	AFTER RUNNING SURVEY / LOSS OF PUMP PRESSURE / CHECKED SURFACE EQUIPMENT / PUMPED SOFTLINE / GAINED PRESSURE / TOH / FOUND CRACKED JOINT 14 STANDS FROM SURFACE & HOLE IN JOINT 6 STANDS FROM SURFACE
		02:00	06:00	DRILLING F-6344' T-6410' / WOB 40K / RPM 60 / PUMP 1400 NO ACCIDENTS OR POLLUTION REPORTED
	16-Jun-01	06:00	06:15	DRILLING 8 3/4" HOLE F-6410' T-6439' / WOB 40K / RPM 60 / PUMP 1450
		06:15	06:45	WLS @ 6397' - 3 DEG
		06:45	09:30	DRILLING F-6439' T-6501' / WOB 40K / RPM 60 / PUMP 1450
		09:30	10:00	WLS @ 6459' - 2 1/2 DEG
		10:00	13:00	DRILLING F-6501' T-6572' / WOB 50K / RPM 60 / PUMP 1450 / BIT TORQUEING
		13:00	14:30	MIX & PUMP SWEEP PRIOR TO TRIP FOR BIT #3

Kerr-McGee Oil and Gas Corporation
DIMS - Well Operations Log

Well Name: BRIGHT FEDERAL #4 - From: 01-JAN-2001 To: 31-DEC-2001

Event Description	Activity Date	From Time	To Time	Operation Description
Drilling	16-Jun-01	14:30	19:30	TRIP FOR BIT #3 / LD IBS'S
		19:30	05:15	DRILLING F-6572' T-6775' / WOB 50K / RPM 60 / PUMP 1450
		05:15	05:45	WLS @ 6733' - MISFIRE
		05:45	06:00	DRILLING F-6775' T-6780' / WOB 50K / RPM 60 / PUMP 1450 NO ACCIDENTS OR POLLUTION REPORTED
	17-Jun-01	06:00	06:15	DRLG 8 3/4" HOLE F-6780' T-6796' / WOB 50K / RPM 60 / PUMP 1450
		06:15	06:30	WLS @ 6765' - 2 DEG
		06:30	12:15	DRILLING F-6796' T-6980' / WOB 50K / RPM 60 / PUMP 1450
		12:15	12:30	WORK ON CENTRIFUGAL PUMP
		12:30	18:30	DRILLING F-6980' T-7123' / WOB 50K / RPM 60 / PUMP 1450
		18:30	19:30	CHANGE OUT MUD FROM FRESH WATER TO APHRONICS SYSTEM
		19:30	06:00	DRILLING F-7123' T-7280' / WOB 50K / RPM 60 / PUMP 1400 LITHOLOGY 7230'-7240' 90% SHALE & 10% LIMESTONE NO ACCIDENTS OR POLLUTION REPORTED
	18-Jun-01	06:00	08:00	DRLG 8 3/4" HOLE F-7280' T-7312' / WOB 50K / RPM 60 / PUMP 1400
		08:00	09:00	WLS @ 7270' - 3 DEG
		09:00	09:15	SERVICE RIG
		09:15	13:15	DRILLING F-7312' T-7375' / WOB 40K / RPM 60 / PUMP 1400
		13:15	14:00	WLS @ 7333' - 3 DEG
		14:00	14:30	WORK ON #1 PUMP
		14:30	21:30	DRILLING F-7375' T-7470' / WOB 40K / RPM 60 / PUMP 1400
		21:30	22:00	WLS @ 7449' - MISFIRE
		22:00	03:00	DRILLING F-7470' T-7533' / WOB 40K / RPM 60 / PUMP 1400
		03:00	03:45	WLS @ 7491' - 3 DEG
	19-Jun-01	03:45	06:00	DRILLING F-7533' T-7556' / WOB 40K / RPM 60 / PUMP 1400 LITHOLOGY UPPPER PENN @ 7272' / 70% DOLOMITE, 10% LIMESTONE, 10% SHALE, & 10% SILTSTONE NO ACCIDENTS OR POLLUTION REPORTED
		06:00	07:30	DRLG 8 3/4" HOLE F-7556' T-7595' / WOB 40K / RPM 60 / PUMP 1400
		07:30	08:15	WLS @ 7553' - 3 1/4 DEG
		08:15	08:30	SERVICE RIG & WORK LOWER KELLY COCK VALVE
		08:30	15:00	DRILLING F-7595' T-7658' / WOB 40K / RPM 60 / PUMP 1400
		15:00	15:45	WLS @ 7616' - 2 DEG
		15:45	06:00	DRILLING F-7658' T-7814' / WOB 50K / RPM 60 / PUMP 1400 LITHOLOGY 50% LIMESTONE, 30% DOLOMITE, 10% SHALE, 10% SILTSTONE F-7770' T-7780' NO ACCIDENTS OR POLLUTION REPORTED
	20-Jun-01	06:00	07:45	DRILL 8 3/4" HOLE F-7814-T-7850'
		07:45	15:00	CIRC & CONDITION HOLE / WAIT ON LOGGERS
		15:00	19:30	TOH TO RUN OPEN HOLE LOGS
		19:30	06:00	HALIBURTON RUN DUAL LATEROLOG/MICROSFL W/ SPECTRAL GAMMA RAY/3 DETECTOR DENSITY / COMPENSATED NEUTRON / PE / CALIPER FROM 7832-TO 1300'
	21-Jun-01	06:00	11:00	HALLIBURTON RUN EMERALD MAGNETIC RESONANCE LOG/ MICROLOG FROM 7676' TO 7160'
		11:00	15:30	TRIP IN HOLE T-7848 TO CIRC & COND HOLE
		15:30	19:30	CIRCULATE & CONDITION HOLE TO RUN CSG
		19:30	03:15	TRIP OUT LDDP

**Kerr-McGee Oil and Gas Corporation
DIMS - Well Operations Log**

Well Name: BRIGHT FEDERAL #4 - From: 01-JAN-2001 To: 31-DEC-2001

Event Description	Activity Date	From Time	To Time	Operation Description
Drilling	21-Jun-01	03:15	06:00	RIG UP CASING CREW. PREP TO RUN 7" PROD. CSG AT RPT TIME. NO ACCIDENTS OR POLLUTION TO RPT.
	22-Jun-01	06:00	13:45	RAN & CEMENTED 180 JTS 7" 23 & 26# LTC CASING / CS 7846' / FC 7761 / DV-FCP TOOL 7069-7086' / RU BJ CIRC & WASH TO BTM / BJ PRECEDE CMT W/ 500 GALS MUD CLEAN / CMT 1ST STG W/ 90 SKS S15-61 POZ:CLASS C + 11 PPS CSE +.5% FL-52 +.5% FL-25 + 8 PPS GILSONITE(13.2 PPG, 1.57 CUFT/SX) / BMP PLUG @ 1260 PSI
		13:45	14:30	DROP BOMB AND SET ECP W/1520 PSI & OPEN DV TOOL / CIRC OUT FW WITH NO CMT REC OFF DV TOOL.
		14:30	17:00	BJ CMT 2ND STG W/ 210 SKS S35-65-6, POZ:CLASS C:GEL+.2% FL-25 + 53 SALT(12.4 PPG, 2.0 CUFT/SX) / TAIL WITH 100 SKS CLASS "C" NEAT(15.6 PPG, 1.18 CUFT/SX) / BUMP PLUG @ 17:00 HR @ 2520 PSI / CLOSED TOOL/ BLED OFF/ HELD OK
		17:00	22:00	WAIT ON CEMENT
		22:00	00:00	ND BOP / SET SLIPS / CUT OFF 7" / NU "B" SEC
		00:00	02:00	PRO WIRELINE RAN TEMP SURVEY. TOC INDICATED AT 5900'
		02:00	06:00	RELEASED RIG AT 02:00 AM 06/22/2001. WAIT ON RIG TO MOVE. NO ACCIDENTS OR POLLUTION TO RPT
	23-Jun-01	06:00	06:00	MOVING RIG OFF LOCATION / NO ACCIDENTS OR POLLUTION TO RPT
	24-Jun-01	06:00	06:00	WAITING ON COMPLETION RIG
	25-Jun-01	06:00	06:00	WAITING ON COMPLETION RIG

**Kerr-McGee Oil and Gas Corporation
DIMS - Well Operations Log**

Well Name: BRIGHT FEDERAL #4 - From: 01-JAN-2001 To: 31-DEC-2001

Event Description	Activity Date	From Time	To Time	Operation Description
Completion	26-Jun-01	06:00	06:00	WAITING ON COMPLETION RIG
	27-Jun-01	06:00	06:00	MIRU KEY COMPLETION RIG / UNLOAD & RACK 2 7/8" WS / NDWH & NUBOP / TIH W/ 6 1/8" BIT & 6 4 1/8" DC'S ON 2 7/8" WS TO 7080' / SDFN / NO ACCIDENTS OR POLLUTION TO RPT
	28-Jun-01	06:00	06:00	FIH DO DV TOOL @ 7066 / TIH TO PBTD 7743' / CIRC HOLE W/ 2% KCL / TOH TO 6000' / SDFN / NO ACCIDENTS OR POLLUTION TO RPT
	29-Jun-01	06:00	06:00	FOH LAYING DWN WS & BHA / SCHLUMBERGER RUN GR/CCL LOG F-7736-T-6100' / SDFN / NO ACCIDENTS OR POLLUTION TO RPT
	30-Jun-01	06:00	06:00	SCHLUMBERGER PERF UPPER PENN 7252-59,7328-39,7353-61,7373-81, 7392-7407 7496-7508 & 7516-69' W/ 4" CSG GUN 23 GM CHG .42 EHD 4SPF TOTAL 456 HOLES BY HALLIBURTON SD/DSN/SG LOG DATED 06/19/01 FL 450'-600' / CWI / SDFN / NO ACCIDENTS OR POLLUTION TO RPT
	01-Jul-01	06:00	06:00	BJ LOAD CSG W/ 29 BBLS GEL WTR PRESS 0-4800 PSI / UNABLE TO BREAK DWN PERFS / SHUT DWN 5 MIN PRESS 4800-2200 / PRESS CSG TO 3500 PSI / UNABLE TO BREAK DWN / REL BJ / CWI / SHUT DOWN / NO ACCIDENTS OR POLLUTION TO RPT
	02-Jul-01	06:00	06:00	WAIT ON COMPLETION RIG
	03-Jul-01	06:00	06:00	WAIT ON COMPLETION RIG
	04-Jul-01	06:00	06:00	MIRU KEY / UNLOAD & RACK 2 7/8" L-80 TBG / TIH W/ RBP & ARROW SET 2 PKR ON 2 7/8" TBG TO 7620' / SET RBP & PKR / PKR WOULD NOT TEST / TOH W/ TOOLS & TBG / SDF JULY 4TH
	05-Jul-01	06:00	06:00	CREWS OFF FOR JULY 4TH
	06-Jul-01	06:00	06:00	TIH W/ RBP & ARROW SET 2 PKR OIN 2 7/8" TBG / SET RBP @ 7630 / TEST TO 1000 PSI / RAISE PKR TO 7569' / BRK CIRC / SPOT 3 BBLS 20 % GELLED HCL F-7569' T-7490' / RAISE PKR TO 7445' / BREAK DWN PENN PERFS 7496'-7569' W/ GEL WTR @ 3.6 BPM 2730 PSI / ACDZ PERFS W/ 2500 GALS 20% GEL HCL MAX RATE 9.2 BPM @ 3140 PSI ISIP VAC / LWR TBG LATCH RBP MOVE TO 7445' RAISE PKR TO 7407' / BRK CIRC / SPOT 6 BBLS 20% GEL HCL F-7407 T-7250' / RAISE PKR TO 7180' / BRK DWN PERFS @ 4.1 BPM 3300 PSI / ACDZ PERFS W/ 2500 GALS 20 % GEL HCL @ 6.6 BPM @ 3120 PSI / MAX RATE 9.2 BPM @ 2540 PSI ISIP VAC / JOB COMP 19:00 / SDFN / NO ACCIDENTS OR POLLUTION TO RPT
	07-Jul-01	06:00	06:00	LWR TBG LATCH RBP @ 7445' / TOH W/ RBP,PKR & 2 7/8" TBG / NDBOP & NU SEABOARD HEAD / NUBOP / SDFN / NO ACCIDENTS OR POLLUTION TO RPT

**Kerr-McGee Oil and Gas Corporation
DIMS - Well Operations Log**

Well Name: BRIGHT FEDERAL #4 - From: 01-JAN-2001 To: 31-DEC-2001

Event Description	Activity Date	From Time	To Time	Operation Description
Completion	08-Jul-01	06:00	06:00	SICP 200 PSI / RU WHIT / RU BJ / TEST LINES 4500 PSI / HELD SAFETY MEETING / SET POP-OFF @ 4000 PSI / ACID FRAC UPPER PENN PERFS 7252 - 7569 IN 9 STAGES w 55,000 GALS 15% HCL % 1131936 SCF N2 1) 15,000 GALS FOAMED GEL WTR 10.4 BPM , N2 65500 SCF , 30 BPM TOTAL RATE w 3448 PSI 2) 14,000 GALS FOAMED GEL ACID 16 BPM , N2 228,900 SCF , 44.8 BPM TOTAL RATE w 3448 PSI 3) 3750 GALS 80 Q X-LINK FOAM 4 BPM , N2 56960 SCF , 16.9 BPM TOTAL RATE w 3399 PSI 4) 14,000 GALS FOAMED GEL ACID 10 BPM , N2 236,400 SCF , 28.5 BPM TOTAL RATE w 3330 PSI 5) 3750 GALS 80 Q X-LINK FOAM 4.3 BPM , N2 101536 SCF , 24.8 BPM TOTAL RATE w 3066 PSI 6) 14,000 GALS FOAMED GEL ACID 14.2 BPM , N2 253,800 SCF , 37.4 BPM TOTAL RATE w 3249 PSI 7) 3750 GALS 80 Q X-LINK FOAM 4.2 BPM , N2 82640 SCF , 23.8 BPM TOTAL RATE w 3085 PSI 8) 14,000 GALS FOAMED GEL ACID 14.5 BPM , N2 128,750 SCF , 38.1 BPM TOTAL RATE w 3194 PSI 9) 13755 GALS FOAMED GEL WTR 14.1 BPM , N2 231,750 SCF , 37.5 BPM TOTAL RATE w 3212 PSI ISIP 2662 PSI , 5 MIN 2031, 10 MIN 1794 PSI , 15 MIN 1574 PSI , AIR 30 BPM / TOTAL LOAD 831 BLAW, 1,131,936 SCF N2 / RD BJ / RU CARDINAL WL / RAN TEMP & GAMMA RAY , ALL FLUID TAGGED w OAC ISOTOPE / OPEN TO PIT @ 16:00 HRS w 400 PSI / FLOWED 3 HRS , WELL DEAD / REC 145 BLAW / CWI / SDFN
	09-Jul-01	06:00	06:00	CREW OFF / SICP 400 PSI
	10-Jul-01	06:00	06:00	SICP 410 PSI / BLED TO 200 PSI / RU PUMP TRK / KILL WELL w 100 BBLS 2% KCL WTR / ND MANUAL BOP / NU HYDRIL / TIH w ESP TD 850 SUB-LIFT EQUIP + 2 (3/8" SS CAP STRINGS) ON 233 JTS 2-7/8" 6.5 L-80 TBG w 5-1/2" SHROUD / END OF SHROUD @ 7656' / LONG CAP STRING SET @ 7599' / SHORT CAP STRING SET @ 7200' / ND BOP / NU WH / RD RR
	11-Jul-01	06:00	06:00	HOOK -UP FLOWLINE & ELECTRIC / START UNIT / WORK ON DRIVE
	12-Jul-01	06:00	06:00	SICP, STARTED FLOWING TO SALES. BLED TO 150# IN 8 HRS. STARTED SUB AND LEFT TO SALES. / - 1442 BLAW
	13-Jul-01	06:00	06:00	PMP 14 HRS. 0 BO, 300 BLW, 231 MCF, RATE AT 550 MCFD. BHP 506, HAVING PROBLEMS KEEPING SUB PUMP LOADED. WATER IS VERY GASSY. / -1142 BLAW
	14-Jul-01	06:00	06:00	PMP 16 HRS. 0 BO, 39 BLW, 373 MCF. PUMP CYCLING. 60 HZ, 507# BHP. / - 1103 BLAW
	15-Jul-01	06:00	06:00	PMP 24 HRS. 0 BO, 202 BLW, 489 MCF. 62 HZ, 462# BHP. / -1293 BLAW
	16-Jul-01	06:00	06:00	PMP 24 HRS. 0 BO, 235 BLW, 800 MCF, 65 HZ, 387# BHP. / -1058 BLAW
	17-Jul-01	06:00	06:00	PMP 24 HRS. 0 BO, 600 BLW, 1268 MCF, 65 HZ, 299# BHP. / -458 BLAW
	18-Jul-01	06:00	06:00	PMP 24 HRS. 0 BO, 200 BLW, 1400 MCF, 65 HZ, 413# BHP. / -258 BLAW . PUMP WENT DOWN ON LIGHTENING SURGE. WHEN IT CAME BACK ON WOULDN'T LOAD COMPLETELY.
	19-Jul-01	06:00	06:00	PMP 24 HRS. 0 BO, 258 BLW, 28 BW, 1008 MCF, 65 HZ, 449# BHP. /