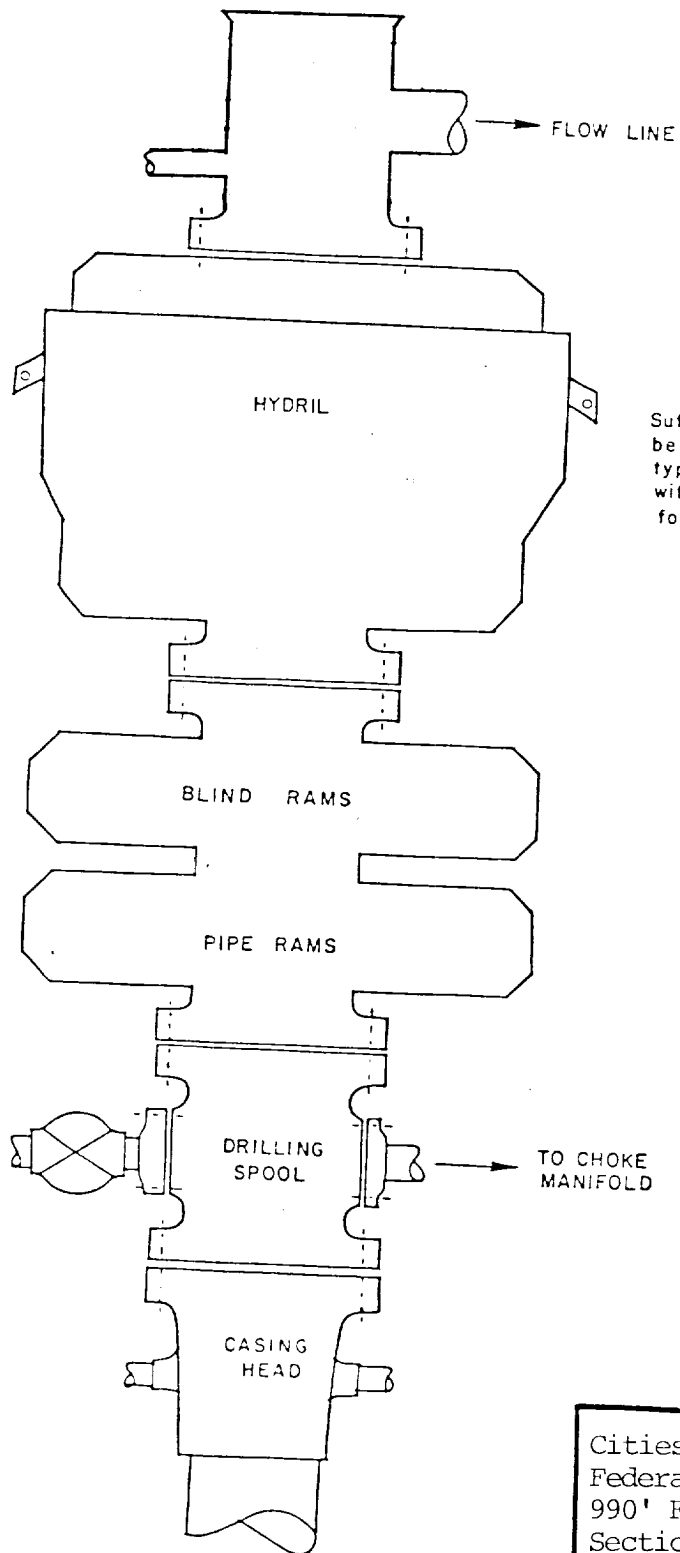


BLOWOUT PREVENTER DIAGRAM



CLOSING METHOD

Sufficient accumulator volume shall be available to operate both the bag type preventer and pipe ram preventer with a snap-action through the following steps: close-open-close.

Cities Service Oil & Gas Corporation
Federal AB No. 4
990' FSL & 660' FEL
Section 11-T18S-R33E
Lea County, New Mexico
Lease No. NM26884



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U.S. DEPT. OF JUSTICE

WRS COMPLETION REPORT

COMPLETIONS
PI# 30-T-0018 03/31/86 SEC 11 TWP 18S RGE 33E
30-025-29531-0000 PAGE 1

NMEX LEA * 990FSL 660FEL SEC SE SE
STATE COUNTY FOOTAGE SPOT
CITIES SERVICE O&G
OPERATOR D DO
4 FEDERAL "AB" WELL CLASS INIT FIN
WELL NO LEASE NAME
4007KB 3992GR
OPER ELEV Mescalero Escarpe

LEASE TYPE NO API 30-025-29531-0000
12/06/1985 01/10/1986 ROTARY PERMIT OR WELL I.D. NO.
SPUD DATE COMP. DATE TYPE TOOL OIL
9000 BONE SPG Verna DRLG 1 RIG SUB 14 STATUS
PROJ. DEPTH PROJ. FORM CONTRACTOR FM/TD BONE SPG
DTD 8875 PB 8831
DRILLERS T.D. LOG T.D. PLUG BACK T.D. OLD T.D. FORM T.D.

LOCATION DESCRIPTION

8 MI SW BUCKEYE, NM

CASING/LINER DATA

CSG 13 3/8 @ 373 W/ 500 SACKS	01
CSG 8 5/8 @ 3149 W/ 1300 SACKS	02
CSG 5 1/2 @ 8875 W/ 1515 SACKS	03

TUBING DATA

TBG 2 7/8 AT 8563

INITIAL POTENTIAL

IPF 232BOPD 105.0MCFD 5BW 48/64CK 24HRS
BONE SPG PERF W/ 36/IT 8682- 8722 GROSS 004
PERF 8682, 8683, 8684, 8687, 8688, 8698, 8699, 8700
PERF 8701, 8702, 8704, 8705, 8706, 8717, 8718, 8719
PERF 8721, 8722
TP 80
GTY 38.1 GOR 452
FCP PKR
NATURAL

TYPE	FORMATION	LTH	TOP	DEPTH/SUB	BSE	DEPTH/SUB
LOG	RUSTLER		1633	2374		
LOG	SALT		1793	2214		
LOG	YATES		3166	841		

CONTINUED IC# 300257060485

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Petroleum Information

CORPORATION

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Form A

COMPLETIONS SEC 11 TWP 13S RGE 33E
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CITIES SERVICE O&G D DO
 4 FEDERAL "AB"

TYPE	FORMATION	LTH	TOP	DEPTH/SUB	BSE	DEPTH/SUB
LOG	SVN RVRS		3578	429		
LOG	QUEEN		4309	-302		
LOG	GRAYBURG		5062	-1055		
LOG	SN ANDRS		5069	-1062		
LOG	DELAWARE		5712	-1705		
LOG	BONE SPG		6050	-2843		
LOG	BONE SP1		8218	-4211		
LOG	BONE SP2		8682	-4675		

LOGS AND SURVEYS /INTERVAL, TYPE/

LOGS LDT DLL MSFL

DRILLING PROGRESS DETAILS

CITIES SERVICE O&G
 BOX 1919
 MIDLAND, TX 79702
 915-685-5600

12/04 LOC/1985/
 12/09 DRLG 1361
 12/17 DRLG 4280
 12/20 DRLG 5295
 12/30 DRLG 8620
 01/06 8875 TD, MICT
 01/13 8875 TD, PB 8831, WOPT
 TD REACHED 12/30/85 RIG REL 12/31/85
 03/25 8875 TD, PB 8831
 COMP 1/10/86, IPF 232 BO, 105 MCFC, 5 BWPD
 GTY 38.1, GOR 452, CK 48/64,
 FTP 80, FCP PKR
 PROD ZONE - BONE SPRING 8682-8722
 NO CORES OR DSTS RPTD