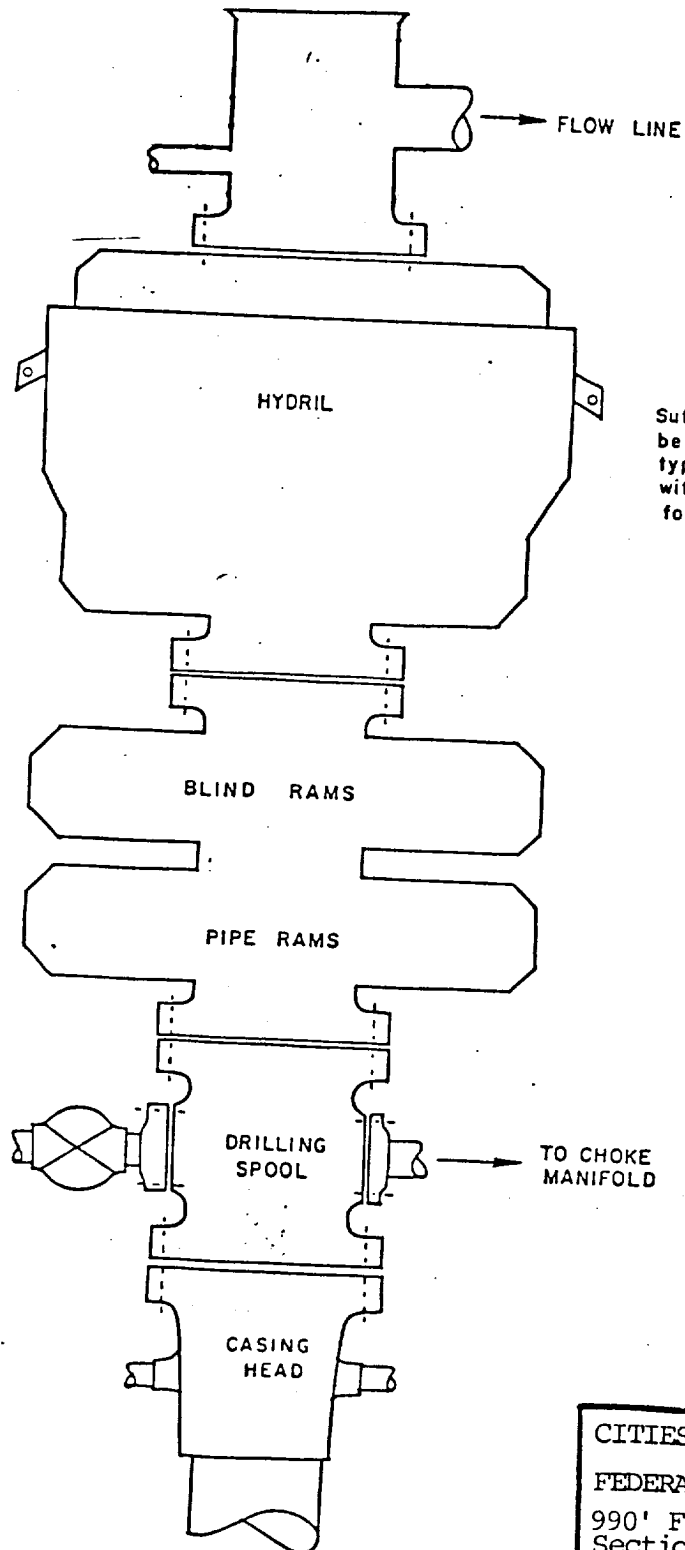


BLOWOUT PREVENTER DIAGRAM



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 AND GAS CORPORATION

FEDERAL AB No. 7

990' FSL & 1980' FEL

Section 11, T-18S, R-33E

Lea County, New Mexico

Federal Lease No. 26884

RECEIVED
MAR 23 1987
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HOBBS OFFICE

18/01/87



LTR



Job separation sheet

WRS COMPLETION REPORT

COMPLETIONS SEC 11 TWP 18S RGE 33E
PI# 30-T-0002 06/01/87 30-025-29878-0000 PAGE 1

NMEX LEA * 990FSL 1980FEL SEC SW SE
STATE COUNTY FOOTAGE SPOT
CITIES SERVICE O&G D DO
OPERATOR WELL CLASS INIT FIN
7 FEDERAL "AB"
WELL NO LEASE NAME
4001KB 3988GR Mescalero Escarpe
OPER ELEV FIELD POOL AREA

LEASE TYPE NO PERMIT OR WELL I.D. NO.
API 30-025-29878-0000
04/15/1987 05/07/1987 ROTARY OIL
SPUD DATE COMP. DATE TYPE TOOL STATUS
8950 BONE SPG CACTUS DRLG 53 RIG SUB 12
PROJ. DEPTH PROJ. FORM CONTRACTOR
DTD 8950 PB 8898 FM/TD BONE SPG
DRILLERS T.D. LOG T.D. PLUG BACK TD OLD T.D. FORM T.D.

LOCATION DESCRIPTION

15 MI NE HALFWAY, NM

WELL IDENTIFICATION/CHANGES

SPOT CHGD FROM SE SE

CASING/LINER DATA

CSG 13 3/8 @ 350 W/ 300 SACKS
CSG 8 5/8 @ 3170 W/ 1300 SACKS
CSG 5 1/2 @ 8950 W/ 1500 SACKS

TUBING DATA

TBG 2 7/8 AT 8593

INITIAL POTENTIAL

IPF 395BOPD 558.0MCFD 6BW 36/64CK 24HRS
BONE SPG PERF W/ 78/IT 8692- 8755 GROSS
PERF 8692, 8693, 8694, 8695, 8696, 8697, 8698, 8699
PERF 8700, 8701, 8702, 8703, 8707, 8709, 8713, 8714
PERF 8715, 8718, 8719, 8720, 8723, 8724, 8725, 8727
PERF 8728, 8729, 8732, 8735, 8736, 8737, 8738, 8739
PERF 8744, 8745, 8746, 8751, 8753, 8754, 8755
TP 100
GTY 39.9 GOR 1413
FCP PKR
NATURAL

CONTINUED IC# 300257007087

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Petroleum Information

BB a company of
The Dun & Bradstreet Corporation

PI-WRS-GET
Form No 187

COMPLETIONS SEC 11 TWP 18S RGE 33E
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CITIES SERVICE O&G D DO
 7 FEDERAL "AB"

TYPE	FORMATION	LTH	TOP	DEPTH/SUB	BSE	DEPTH/SUB
LOG	RUSTLER		1615	2386		
LOG	SALT		1725	2276	2930	1071
LOG	YATES		3090	911		
LOG	SVN RVRS		3553	448		
LOG	QUEEN		4286	-285		
LOG	GRAYBURG		4722	-721		
LOG	SN ANDRS		5054	-1053		
LOG	DELAWARE		5758	-1757		
LOG	BONE SPG		6826	-2825		
LOG	BONE SP2		8690	-4689		

LOGS AND SURVEYS /INTERVAL,TYPE/

LOGS	CNL	GR	CAL
LOGS	DLL	MLL	CDL

DRILLING PROGRESS DETAILS

CITIES SERVICE O&G
 BOX 1919
 MIDLAND, TX 79702
 915-685-5600
 03/23 LOC/1987/
 04/24 DRLG 5120
 04/30 DRLG 8335 (LM, SH & DOLO)
 05/08 8950 TD, PB 8898, WOPT
 TD REACHED 05/03/87 RIG REL 05/04/87
 05/27 8950 TD, PB 8898
 COMP 5/7/87, IPF 395 BO, 558 MCFG, 6 BWPD
 THRU 36/64 CK, GOR 1413, GTY
 39.9, FTP 100, FCP PKR
 PROD ZONE - BONE SPRING 8692-8755
 NO CORES OR DSTS RPTD