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(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1425.



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

COLO. OIL & GAS CONS. COM. 10 1984

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
 DRILL DEEPEN PLUG BACK

b. TYPE OF WELL
 OIL WELL GAS WELL OTHER SINGLE ZONE MULTIPLE ZONE

2. NAME OF OPERATOR
 CHEVRON U.S.A. INC.

3. ADDRESS OF OPERATOR
 P. O. BOX 599, DENVER, COLORADO 80201

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
 At surface 2640' FSL and 660' FEL (NESE) *Elongated section*
 At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 ± 10 Miles Southwest of Yampa, Colorado

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 660'

16. NO. OF ACRES IN LEASE 2,291

17. NO. OF ACRES ASSIGNED TO THIS WELL 40

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. ± 4,995'

19. PROPOSED DEPTH 5,600'

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 GL 9,304'

22. APPROX. DATE WORK WILL START*
Sawatch
 September, 1984

5. LEASE DESIGNATION AND SERIAL NO.
 C-21464

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
 CHEVRON FEDERAL

9. WELL NO.
 1-19

10. FIELD AND POOL, OR WILDCAT
~~EGERIA CREEK AREA~~/WILDC

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 Sec. 19, T1N, R85W

12. COUNTY OR PARISH 13. STATE
 Routt Colorado

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
20"	16"	65#	100'	To Surface
12 1/4"	9 5/8"	47#	1,380'	To Surface
8 1/2"	5 1/2"	15.5#	5,600'	To Surface

It is proposed to drill this exploratory well to a depth of 5,600' to test the Sawatch Formation.

Attachments: Certified Plat *All of sec 19*
 Drilling Program *100% EY2 NE*
 Chevron Class III BOPE and Diverter *100% NESE rest of*
 Multipoint Surface Use Plan *75% of section 19*

3 - BLM
 2 - STATE
 1 - ALF
 1 - FF
 1 - LJT
 1 - Sec 16700
 1 - Sec 124C
 OPER. NO.
 DELR. NO.
 FIELD NO. 99999
 LEASE NO.
 FORM CD. *STB WTR*

Completion procedure to be submitted by Sundry Notice.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED *R. Brown* TITLE Engineering Assistant DATE August 8, 1984

(This space for Federal or State office use)
 PERMIT NO. 841109 APPROVAL DATE AUG 15 1984 Expiration date DEC 13 '84

APPROVED BY *William R. Smith* TITLE D & G Cons. Comm. DATE AUG 15 1984

CONDITIONS OF APPROVAL, IF ANY:

Barcode: 02358325

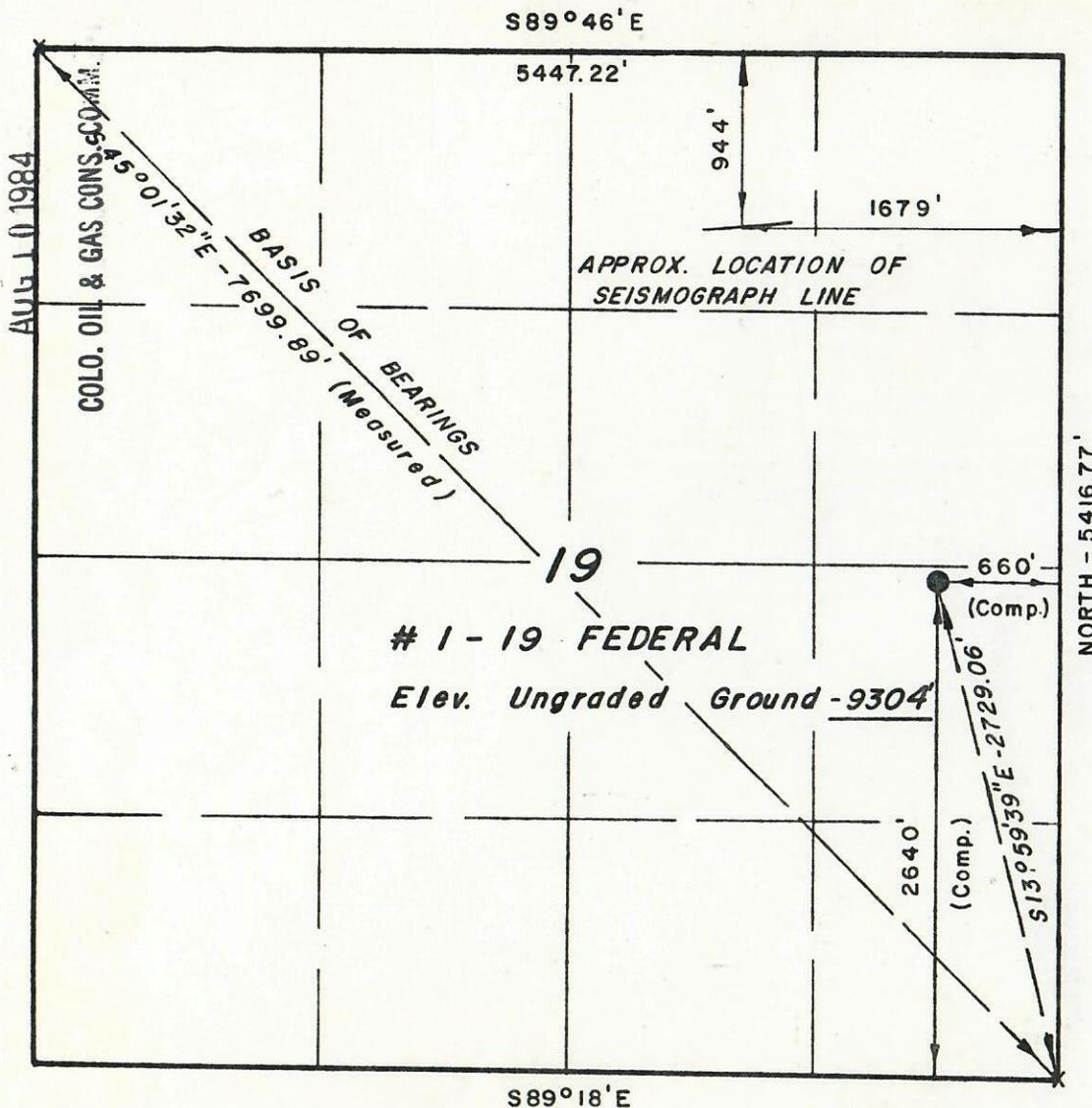
A.P.I. NUMBER
 05 107 6129

T 1 N , R 8 5 W , 6th P.M.

PROJECT
CHEVRON U.S.A. INC.

Well location, # 1-19 FED.,
located as shown in the NE 1/4
SE 1/4 Section 19, T1N, R85W,
6th P.M. Routt County, Colorado.

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NORTH - 5416.77'



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM
FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY
SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE
BEST OF MY KNOWLEDGE AND BELIEF.

Richard J. Marshall

REGISTERED LAND SURVEYOR
REGISTRATION NO 5839
STATE OF COLORADO

UINTAH ENGINEERING & LAND SURVEYING
P. O. BOX Q - 85 SOUTH - 200 EAST
VERNAL, UTAH - 84078

SCALE	1" = 1000'	DATE	7 / 31 / 84
PARTY	L.D.T. T.H. S.B.	REFERENCES	GLO Plat
WEATHER	Warm	FILE	CHEVRON

X = Section Corners Located

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DRILLING PROGRAM
COLO. OIL & GAS CONS. COMM.

Field Egeria Creek Area Well Chevron-Federal 1-19 Exp/Dev Exp.

Location 660' FEL and 2640' FSL, Sec. 19; T-1N; R-85W; Routt Co., Colorado

Drill X Deepen _____ Elevations: GL 9304' KB 9324' est.

Directional/Straight Hole: Proposed Measured TD 5600' Straight Hole _____ TVD 5600'
KOP _____ Build _____ Max. Angle _____ Avg. Angle _____
Target Location _____ Bearing from Surface _____

1. Conductor Hole

Hole Size 20" Proposed Depth 100' Casing Size, Weight & Grade 16", 65#, H-40

2. Surface Hole

Hole Size 12 1/4 Proposed Depth 1380 BOPE Diverter System
Mud Program: Type MW FV WL Other
Gyp Mud + 8.5 40 Less than 10cc

Potential Hazards: Swelling, wtr. sensitive shales
Electric Logging Program: None
Core/DST Program: None

Casing Program:

Size	Grade	Weight	Thread	Section Length
<u>9 5/8"</u>	<u>N-80</u>	<u>47#/ft</u>	<u>LT & C</u>	<u>1380'</u>

Cement Program: Lead-Slurry Cement to surface; tailored for depth and temperature
Tail-Slurry

WOC Time 12 hrs. Casing Test 1500 psi Shoe test MWE 10.0 PPG

3. Intermediate Hole N.A.

Hole Size _____ Proposed Depth _____ BOPE _____
Mud Program: Type MW FV WL Other

Potential Hazards: _____
Electric Logging Program: _____
Core/DST Program: _____

Casing Program:

Size	Grade	Weight	Thread	Section Length
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

Cement Program: Lead Slurry
Tail Slurry

WOC Time _____ hrs. Casing Test _____ psi Shoe test MWE _____ PPG



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4. Oil String/Liner Hole

Hole Size 8 1/2" Proposed Depth 5600' BOPE will be tested to 2,500 psi
Mud Program: Type MW FV WL Other
Dispersed 9.0 40 10cc or less

Potential Hazards: Water sensitive shales. Possibility of thin salt and/or Anhydrite sections.
Electric Logging Program: DIL; BHC; CNL-FDC; HDT & Check Shot
Core/DST Program: 7 cores; 3 DST's Anticipated on Shows

Casing Program:

Size	Grade	Weight	Thread	Section Length
<u>5 1/2"</u>	<u>K-55</u>	<u>15.50</u>	<u>LT & C</u>	<u>5600'</u>

Cement Program: ~~Lead Slurry~~ Cement to Surface; tailored for depth and temperature.
~~Tail Slurry~~ Vol. to be calc. from open hope caliper

WOC Time 24 hrs. Casing Test 1500 psi

5. Auxiliary Equipment

Mud Logging Unit @	<u>Spud</u>	Rotating Head @	<u>N/A</u>
Geolograph @	<u>Spud</u>	Degasser @	<u>Spud</u>
Visulogger @	<u>N/A</u>	Desilter @	<u>Spud</u>
Adj. Choke @	<u>1380</u>	Centrifuge @	<u>Spud</u>
PVT & Flowmeter @	<u>Spud</u>	Mud Cleaner @	<u>Spud</u>
Trip Tank @	<u>Spud</u>	H ₂ S Safety Equip. @	<u>N/A</u>

Other: Mud-Gas separator @ 1380'. Inside BOPE and Full opening safety valve @ Spud.

6. Drill String Design

Surface Hole:

BHA Bit; bit sub w/Float, 2-D.C.; IBS; Sufficient D.C. for 40,000# Available bit wt.
Drill Pipe API premium class designed for 100,000# overpull per API RP7G 10th ed.

Intermediate Hole: N/A

BHA _____
Drill Pipe _____

Oil String/Liner Hole:

BHA Bit; bit sub w/Float; 2-D.C.; IBS; Sufficient D.C. for 50,000# Available bit wt.
Drill Pipe API premium Class designed for 100,000# overpull per API RP7G 10th ed.

7. Other

Inspect BHA after 200 rotating hours.
In "straight" holes run inclination surveys every 240 feet.
Gyro Surveys None anticipated
Check drilling breaks for flow below 1380 feet.
Fill drill pipe every 5 stds when running float.

8. General Remarks

Attached



9. Geologic Program

Attached

Prepared By S. L. Ice Date 7-19-84 Drilling Superintendent Don Fisher Date 7/20/84

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GEOLOGIC PROGRAM

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Field/Area EGERIA CREEK Expl/ EXPLORATION

Well Name CHEVRON FEDERAL #1-19

Location: Sec 19 TWP 1 N Range 58W
Co Routt State Colorado
Surface 2640' FSL and 660' FEL
Bottom Hole 2640' FSL and 660' FEL

Elevation: GL estimated _____ Surveyed 9304'
KB estimated _____ Surveyed 9324' Est.

Total Depth 5600' Fm at TD PreCambrian

Objectives: Primary Paleozoic
Secondary Mesozoic

Coring:	Formation	Estimated Depth	Amount
Interval/	_____	<u>2060</u>	<u>180</u>
Interval/	_____	<u>2660</u>	<u>120</u>
Interval/	_____	<u>5170</u>	<u>120</u>
Interval/on show	_____	_____	_____
Interval/on show	_____	_____	_____

Drill Stem Testing Estimate 3 DST's

Mud Logging Two man unit Surface to TD

Electric logging:	Surface	Intermediate	Total Depth
1) DIL-SP	_____	_____	_____
2) DIL-MSFL-SP	<u>X</u>	_____	<u>X</u>
3) BHC w/GR, Cal.	<u>X</u>	_____	<u>X</u>
4) LDT-CNL w/GR, Cal.	<u>X</u>	_____	<u>X</u>
5) FDC-CNL w/GR, Cal.	_____	_____	_____
6) Dipmeter	<u>X</u>	_____	<u>X</u>
7) Velocity survey	_____	_____	<u>X</u>
8) RFT	_____	_____	_____
9)	_____	_____	_____
10)	_____	_____	_____
11)	_____	_____	_____

All runs from TD to either base of surface casing or overlap with previous log run unless otherwise noted.



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GEOLOGIC PROGRAM (Continued)

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Tops:

Formation	Estimated Depth, datum	Sample Depth, datum	Log Depth, datum
Mancos	Surface	_____	_____
Weber	2060	_____	_____
PreCambrian	5500	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Correlation Wells:

Correlative Zones with Subject Well

	Fm	Interval	
1)	_____	_____	Primary objective zones to be cored.
	_____	_____	
	_____	_____	Zone to be DST.
2)	_____	_____	Primary objective zones to be cored.
	_____	_____	
	_____	_____	Zones to be DST.

DIVISION OF INTEREST:

Working Interest Partners:

Chevron	100 %	_____ %	_____ %	_____ %
_____	_____ %	_____ %	_____ %	_____ %

Others Receiving Data:

_____	_____	_____	_____
_____	_____	_____	_____

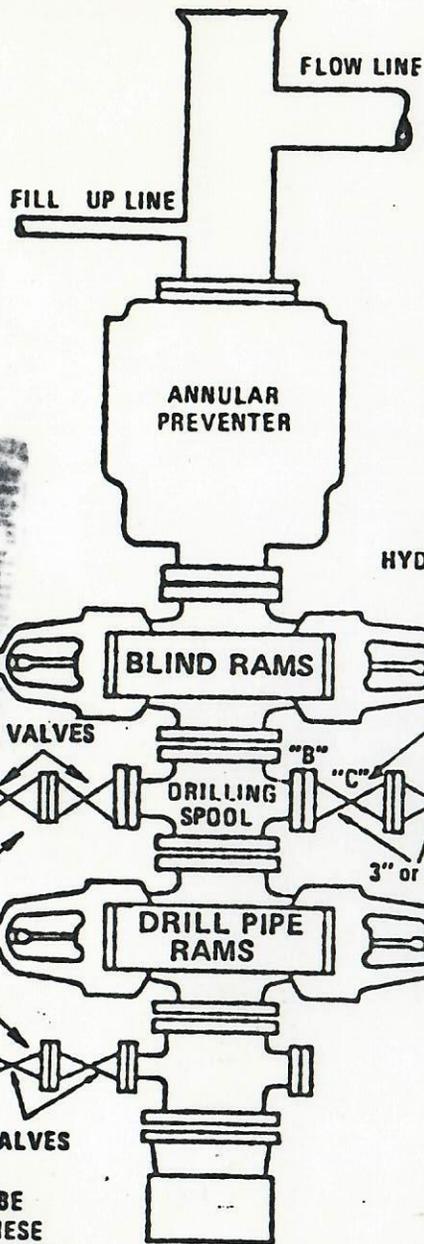
REMARKS:

H₂S is not expected. Chevron will drill the well as a tight hole.

Prepared by *Y. A. H. [Signature]* Date 8/8/84
 Reviewed by *Dennis J. Wood* Date 8-8-84
 Formation Evaluation Analyst

Approved *[Signature]* Date 8/8/84

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WHILE DRILLING, BOTH VALVES ARE KEPT CLOSED

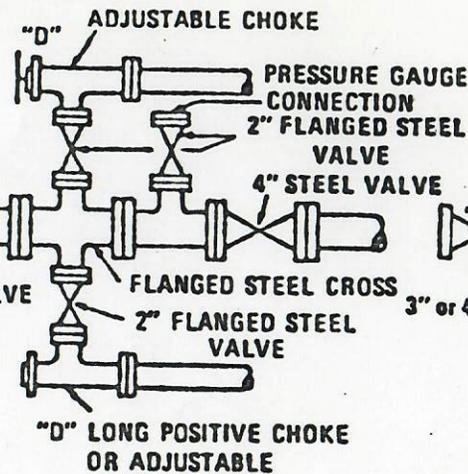
UNCOUPLD HALF UNION
"E"
2" STEEL VALVES

CASING SPOOL SHOULD BE POSITIONED SO THAT THESE VALVES ARE DIRECTLY UNDER THE BARREL OF THE RAM PREVENTER.

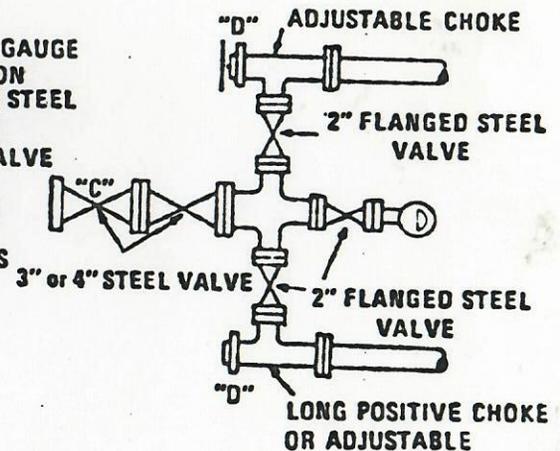
FIGURE 4
THREE PREVENTER HOOKUP
CLASS III

(PRESSURE RATING 3-5000 PSI AS REQUIRED)

EMERGENCY FLOW HOOKUP



ALTERNATE CHOKE MANIFOLD



AN EXTRA SET OF DRILL PIPE RAMS AND BONNET SEALS WILL BE ON LOCATION AT ALL TIMES.

Chevron U.S.A. Inc.
ROCKY MTN. PRODUCTION DIVISION

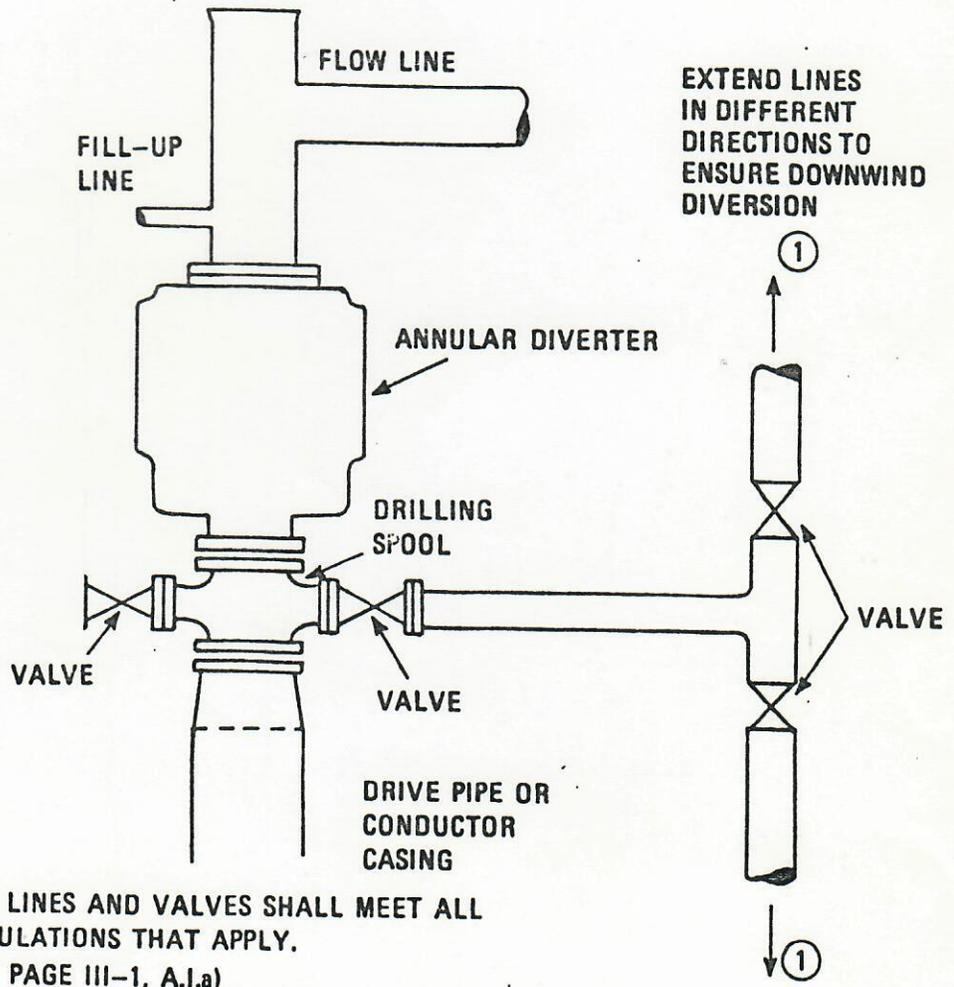


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FIGURE III-1
DIVERTER-PREVENTER HOOKUP



NOTE: ALL LINES AND VALVES SHALL MEET ALL REGULATIONS THAT APPLY.
(SEE PAGE III-1, A.1.a)

