Form 3160-3
(November 1983)
(formerly 9-331C)

NM OIL CONS COMMISSION
Drawer DD
Artesia, NM 88210

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0136
Expires August 31, 1985

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK: DRILL [X] DEEPEN [ ] PLUG BACK [ ]

b. TYPE OF WELL: OIL WELL [X] GAS WELL [ ] OTHER; SINGLE ZONE [X] MULTIPLE ZONE [ ]

RECEIVED APR 29 1993

2. NAME OF OPERATOR: Bass Enterprises Production Company

3. ADDRESS OF OPERATOR: P.O. Box 2760, Midland, Texas 79702

C. O. D.

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface: 2080' FEL & 395' FNL Section 17, T21S, R29E
At proposed prod. zone: Same

ut. B

5. LEASE DESIGNATION AND SERIAL NO.: NM-02918

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME:

8. FARM OR LEASE NAME: Golden "C" Federal

9. WELL NO.: 1

10. FIELD AND POOL, OR WILDCAT: South Golden Lane (Delaware)

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Unit B Sec 17, T21S, R29E

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*: 10 miles east of Carlsbad, NM

12. COUNTY OR PARISH: Eddy

13. STATE: NM

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any): 395'

16. NO. OF ACRES IN LEASE: 1600

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.: None

19. PROPOSED DEPTH: 4800'

20. ROTARY OR CABLE TOOLS: rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.): 3342.1' GL

22. APPROX. DATE WORK WILL START*: Upon approval

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
* 15"	11-3/4"	42#	750'	470 sx circ to surface
** 11"	8-5/8"	24#	3050'	950 sx tie back to 250'
7-7/8"	5-1/2"	14#	4800'	232 sx tie back to 2550'

* Surface to be set 50' above Salts in the Rustler Anhydrite.
** Intermediate to be set @ 3050' or in the top of Lamar Lime.

Drilling procedure, BOPE diagram, anticipated tops and surface use plans attached.

CERTIFIED P-154-194-270

Post ID-1
5-7-93
NL & API

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 [signature] Keith E. Bucy TITLE Div Drlg and Prod Supt DATE 10-9-92

(This space for Federal or State office use)

PERMIT NO. ______ APPROVAL DATE ______

APPROVED BY (ORIG. SGD.) RICHARD L. MANUS TITLE AREA MANAGER DATE APR 28 1993

CONDITIONS OF APPROVAL, IF ANY:

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, 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.

INSTRUCTIONS

GENERAL: This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

ITEM 1: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

ITEM 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

ITEM 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

ITEMS 15 AND 18: If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

ITEM 22: Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

NOTICE

The Privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq., 25 U.S.C. 396; 43 CFR Part 3160.

PRINCIPAL PURPOSE: The information is to be used to process and evaluate your application for permit to drill, deepen, or plug back an oil or gas well.

ROUTINE USES: (1) The analysis of the applicant's proposal to discover and extract the Federal or Indian resources encountered. (2) The review of procedures and equipment and the projected impact on the land involved. (3) The evaluation of the effects of proposed operation on surface and subsurface water and other environmental impacts. (4)(5) Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions, as well as routine regulatory responsibility.

EFFECT OF NOT PROVIDING INFORMATION: Filing of this application and disclosure of the information is mandatory only if the lessee elects to initiate drilling operation on an oil and gas lease.

The Paperwork Reduction Act of 1980 (44 U.S.C. 3501 et seq) requires us to inform you that:

This information is being collected to allow evaluation of the technical, safety, and environmental factors involved with drilling for oil and/or gas on Federal and Indian oil and gas leases.

This information will be used to analyze and approve applications.

Response to this request is mandatory only if the lessee elects to initiate drilling operations on an oil and gas lease.

Submit to Appropriate
District Office
State Lease - 4 copies
Fee Lease - 3 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator	Lease	Well No.
BASS ENTERPRISES PRODUCING COMPANY	GOLDEN "C" FEDERAL	1

Unit Letter	Section	Township	Range	County
B	17	21 SOUTH	29 EAST NMPM	EDDY

Actual Footage Location of Well:
395 feet from the NORTH line and 2080 feet from the EAST line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
3342.1'	Delaware	South Golden Lane - Delaware	40 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.

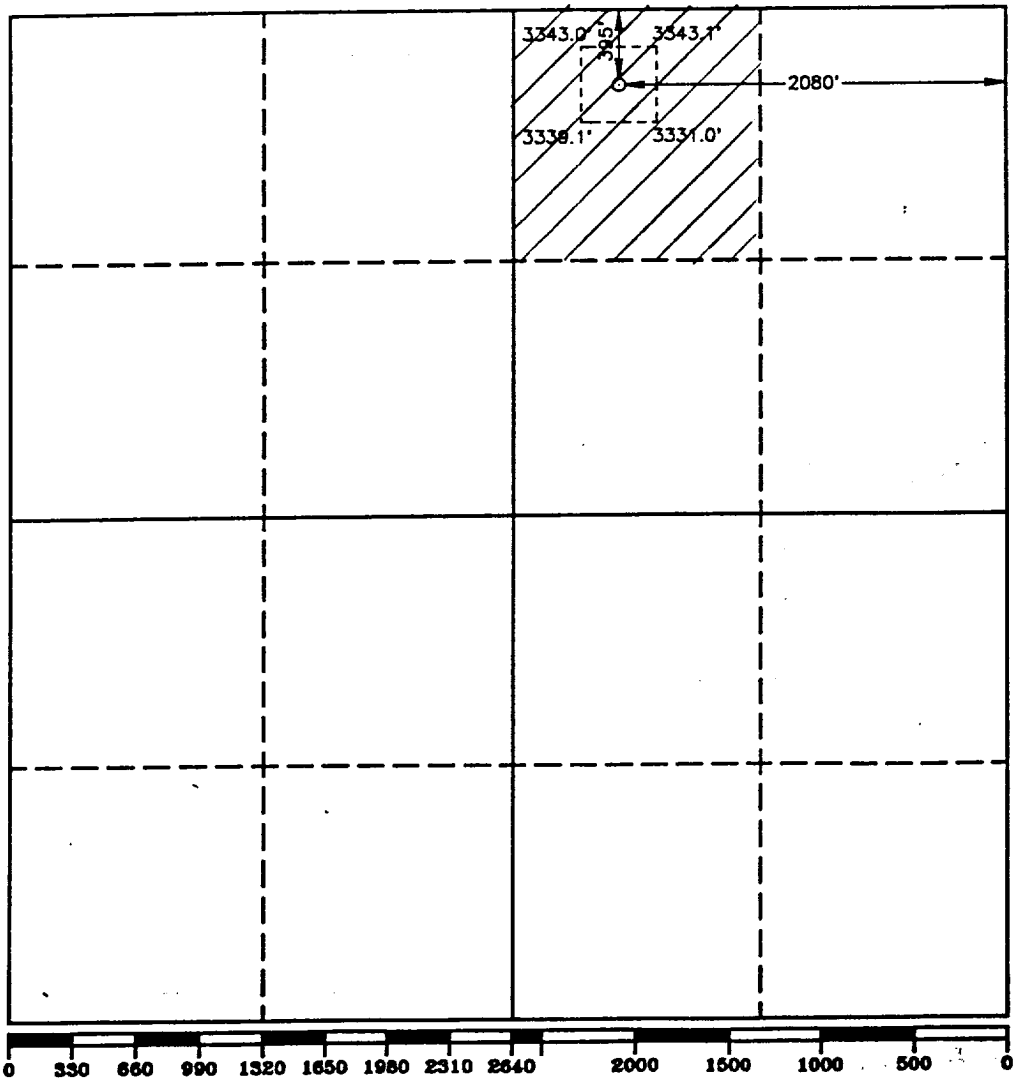
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?

☐ Yes ☐ No If answer is "yes" type of consolidation _____

If answer is "no" list of owners and tract descriptions which have actually been consolidated. (Use reverse side of this form necessary. _____

No allowable will be assigned to the well unit all interests have been consolidated (by communitization, unitization, forced-pooling, otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



OPERATOR CERTIFICATION

I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.

Signature: Keith E. Bucy

Printed Name: Keith E. Bucy

Position: Div Drlg and Prod Supt

Company: Bass Enterprises Prod Co

Date: 10-19-92

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervison, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed: AUGUST 31, 1992

Signature & Seal of Professional Surveyor:

REGISTERED LAND SURVEYOR
No. 3239
NEW MEXICO
RONALD J. EIDSON

Certificate No. RONALD J. EIDSON, 3239
GARY L. JONES, 7977

92-11-1254

EIGHT POINT DRILLING PROGRAM
BASS ENTERPRISES PRODUCTION CO.

NAME OF WELL: GOLDEN "C" FEDERAL #1

LEGAL DESCRIPTION - SURFACE: 2080' FEL & 395' FNL, Section 17, T-21-S, R-29-E, Eddy County, New Mexico.

POINT 1: ESTIMATED FORMATION TOPS

(SEE NO. 2 BELOW)

POINT 2: WATER, OIL GAS AND/OR MINERAL BEARING FORMATIONS

Anticipated Formation Tops: KB 3356' (est)
GL 3342'

FORMATION	ESTIMATED TOP FROM KB	ESTIMATED SUBSEA TOP	BEARING
T/Salt	868'	+2488	Barren
T/Reef	2293'	+1063	Barren
T/Delaware	2993'	+363	Oil/Gas
T/Cherry Canyon	3813'	-457	Oil/Gas
T/49'er Sand	4158'	-802	Oil/Gas
TD	4800'	-1444	Oil/Gas

POINT 3: CASING PROGRAM

TYPE	INTERVALS	PURPOSE	CONDITION
20"	0' - 90'	Conductor	Contractor Discretion
11-3/4" 42# H-40 ST&C	0' - 750'	Surface	New
8-5/8" 24# S-80 & K-55 ST&C	0' - 3050'	Intermediate	New
5-1/2" 14# J-55 LT&C	0' - 4800'	Production	New

*See Exhibits D1 - D3 (Casing Design Program)

POINT 4: PRESSURE CONTROL EQUIPMENT (SEE ATTACHED DIAGRAMS)

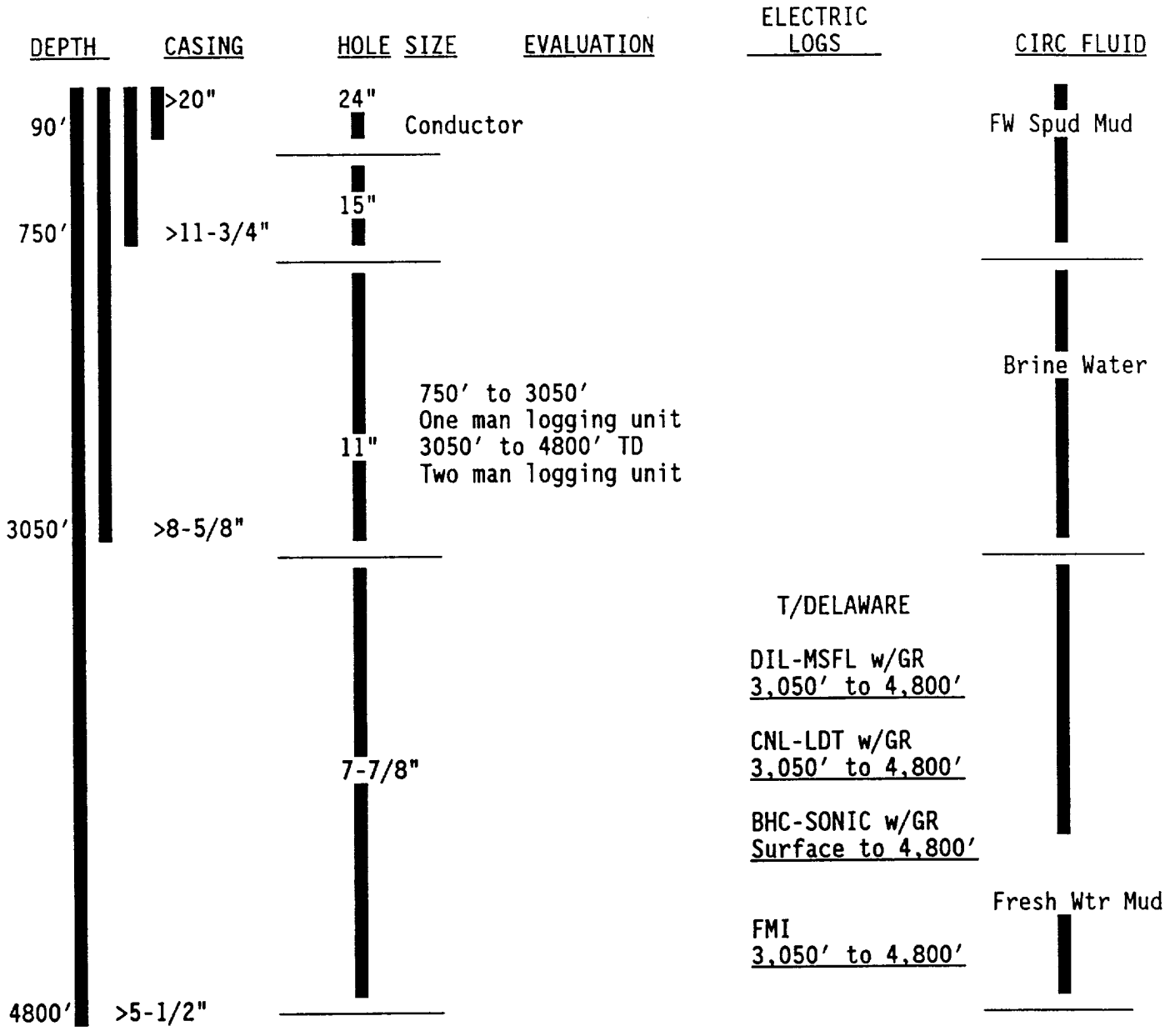
A BOP equivalent to Diagram 1 will be nippled up on the surface casinghead. The BOP stack, choke, kill lines, kelly cocks, inside BOP, etc. will be hydro-tested to the lowest rated working pressure of the equipment being tested. In addition to the rated working pressure test, a low pressure (200 psi) test will be required. These tests will be performed:

a) Upon installation
b) After any component changes
c) Thirty days after a previous test
d) As required by well conditions

A function test to insure that the preventers are operating correctly will be performed on each trip.

GOLDEN "C" FEDERAL #1

BASS ENTERPRISES PRODUCTION COMPANY
October 21, 1992



MJE:sjw

POINT 5: MUD PROGRAM

DEPTH	MUD TYPE	WEIGHT	FV	PV	YP	FL	Ph
0' - 750'	FW Spud Mud	8.5 - 9.2	35-40	NC	NC	NC	NC
750' - 3050'	BW	9.6 - 10.0	29-30	NC	NC	NC	NC
3050' - 4800'	FW Mud	8.6 - 9.0	34-40	10-14	12-18	5	9-9.5

POINT 6: TECHNICAL STAGES OF OPERATION

A) TESTING

Drill stem tests will be performed on significant shows in Delaware.

B) LOGGING

GR-CNL-LDT, GR-DIL-MSFL run from TD (4800') to 3050', GR-BHCSONIC run from TD (4800') to surface. Dipmeter over Delaware Sands of interest from 4800' to 3050'.

C) CORING

No cores are anticipated.

D) CEMENT

INTERVAL	AMOUNT SXS	FT OF FILL	TYPE	GALS/SX	PPG	FT/SX
Surface	470 (100% excess circ to surface)	750	Class "C" with 2% CaCl2 and 1/4 ppg Cello-Flake	6.3	14.8	1.32
Intermediate	950 (100% excess w/TOC @ 250')	2800	Class "C" with Salt	6.3	14.8	1.32
Production	232 (25% excess)	2250	Class "C" w/additives for Water Loss Control	10.6	13.2	1.92

E) DIRECTIONAL DRILLING

No directional services anticipated.

POINT 7: ANTICIPATED RESERVOIR CONDITIONS

Normal pressures are anticipated throughout Delaware section.

Est BHP 1900 psi max or ECD 8.6 ppg, Est BHT 100°.

Lost circ can occur from surface to 2500'.

H_2S has been measured @ 12,000 ppm max in the Delaware - H_2S safety equipment will be installed @ 3050'.

Deviation can be a problem from 1000' to 3000', and will be monitored closely.

POINT 8: OTHER PERTINENT INFORMATION

A) Auxiliary Equipment

Upper and lower kelly cocks. Full opening stab in valve on the rig floor.

B) Anticipated Starting Date

Upon Approval

15 days drilling operations

5 days completion operations

MULTI-POINT SURFACE USE PLAN

NAME OF WELL: GOLDEN "C" FEDERAL #1

LEGAL DESCRIPTION - SURFACE: 2080' FEL & 395' FNL, Section 17, T-21-S, R-29-E, Eddy County, New Mexico.

POINT 1: EXISTING ROADS

A) Proposed Well Site Location:

See Exhibit "A".

B) Existing Roads:

From Carlsbad, go NE on U.S. 62, approx 14 miles to it's intersection with Hwy 31 North. Continue 1 mile east on U.S. 62 and turn on caliche road due south for 1/4 mile, turn west for 1/4 mile then south again for 2-1/4 miles to Golden "8" Federal #2 location, go south 1/4 mile and then turn east and go 1/4 mile to the location.

C) Existing Road Maintenance or Improvement Plan:

See Exhibit "A".

POINT 2: NEW PLANNED ACCESS ROUTE

A) Route Location:

See Exhibit "B". The new road will be 12' wide and approximately 1150' long. The road will be constructed of watered and compacted caliche.

B) Width

Not applicable.

C) Maximum Grade

Not applicable.

D) Turnouts

None.

E) Culverts, Cattle Guards, and Surfacing Equipment

None.

POINT 3: LOCATION OF EXISTING WELLS

Exhibit "A" indicates existing wells within the surrounding area.

POINT 4: LOCATION OF EXISTING OR PROPOSED FACILITIES

A) Existing facilities within one mile owned or controlled by lessee/operator:

Production facilities and wells as shown on Exhibit "A" at Big Eddy Unit #73, Big Eddy Unit #85, Big Eddy Unit #113 (Golden "8" Federal #1), Golden "8" Federal #2 and Golden "B" Federal #1.

B) New Facilities in the Event of Production:

Additional production facilities will be installed as required.

C) Rehabilitation of Disturbed Areas Unnecessary for Production:

Following the construction of production facilities, those access areas required for continued production will be graded to provide drainage and minimize erosion. The areas unnecessary for use will be graded to blend in the surrounding topography - See Point 10.

POINT 5: LOCATION AND TYPE OF WATER SUPPLY

A) Location and Type of Water Supply

Fresh water and brine will be hauled from the city of Carlsbad. Brine water will be hauled from Champion Brine Water Station, 3.5 miles east and 2.5 miles south of Carlsbad. Alternate source of fresh water may come from water well located approximately 1.75 miles northeast of location.

B) Water Transportation System

Water hauling to the location will be over the existing and proposed roads.

POINT 6: SOURCE OF CONSTRUCTION MATERIALS

A) Materials

Exhibit "A" shows location of caliche source.

B) Land Ownership

Federally owned.

C) Materials Foreign to the Site

No construction materials foreign to this area are anticipated for this drill site.

D) Access Roads

No additional access roads are required.

POINT 7: METHODS FOR HANDLING WASTE MATERIAL

A) Cuttings

Cuttings will be contained in the reserve pit.

B) Drilling Fluids

Drilling fluids will be contained in the reserve pit.

C) Produced Fluids

Water production will be contained in the reserve pit.

Hydrocarbon fluid or other fluids that may be produced during testing will be retained in test tanks. Prior to cleanup operations, any hydrocarbon material in the reserve pit will be removed by skimming or burning as the situation would dictate.

D) Sewage

Current laws and regulations pertaining to the disposal of human waste will be complied with.

E) Garbage

Portable containers will be utilized for garbage disposal during the drilling of this well.

F) Cleanup of Well Site

Upon release of the drilling rig, the surface of the drilling pad will be graded to accommodate a completion rig if testing indicates potential productive zones. In any case, the "mouse" hole and the "rat" hole will be covered. The reserve pit will be fenced and the fence maintained until the pit is backfilled. Reasonable cleanup will be performed prior to the final restoration of the site.

POINT 8: ANCILLARY FACILITIES

None required

POINT 9: WELL SITE LAYOUT

A) Rig Orientation and Layout

Exhibit "C" shows the dimensions of the well pad and reserve pits, and the location of major rig components. Only minor leveling of the well site will be required. No significant cuts or fills will be necessary.

B) Locations of Pits and Access Road

See Exhibits "A" and "C"

C) Lining of the Pits

The reserve pit will be lined with plastic.

POINT 10: PLANS FOR RESTORATION OF THE SURFACE

A) Reserve Pit Cleanup

A pit will be fenced at the time of rig release and shall be maintained until the pit is backfilled. Previous to backfill operations, any hydrocarbon material on the pit surface shall be removed. The fluids and solids contained in the pit shall be backfilled with soil excavated from the site and soil adjacent to the reserve pit. The restored surface of the pit shall be contoured to prevent impoundment of surface water flow. Water- bars will be constructed as needed to prevent excessive erosion. Topsoil, as available, shall be placed over the restored surface in a uniform layer. The area will be seeded according to the Bureau of Land Management stipulations during the appropriate season following restoration.

B) Restoration Plans - Production Developed

The reserve pit will be backfilled and restored as described above under Item A. In addition, those areas not required for production will be graded to blend with the surrounding topography. Topsoil, as available, will be placed upon those areas and seeded. The portion of the site required for production will be graded to minimize erosion and provide access during inclement conditions. Following depletion and abandonment of the site, restoration procedures will be those that follow under Item C.

C) Restoration Plans - No Production Developed

The reserve pit will be restored as described above. With no production developed, the entire surface disturbed by construction of the well site will be restored. The site will be contoured to blend with the surrounding topography and provide drainage of surface water. The topsoil, as available, shall be replaced in a uniform layer and seeded accordingly to the Bureau of Land Management's stipulations.

D) Rehabilitations Timetable

Upon completion of drilling operations, the initial cleanup of the site will be performed as soon as weather and site conditions allow economic execution of the work.

POINT 11: OTHER INFORMATION

A) Terrain

Relatively flat.

B) Soil

Caliche and sand.

C) Vegetation

Sparse, primarily grasses and mesquite with very little grass.

D) Surface Use

Primarily grazing.

E) Surface Water

There are no ponds, lakes, streams, or rivers within several miles of the wellsite.

F) Water Wells

There is a water well approximately 2 miles northeast of location.

G) Residences and Buildings

None

H) Historical Sites

No observed.

I) Archeological Resources

An archeological survey will be obtained for this area. Before any construction begins, a full and complete archeological survey will be submitted to the Bureau of Land Management. Any location or construction conflicts will be resolved before construction begins.

J) Surface Ownership

The well site and new access road is on Federally owned land.

K) Well signs will be posted at the drilling site.

L) Open Pits

All pits containing liquid or mud will be fenced and bird-netted.

POINT 12: OPERATOR'S FIELD REPRESENTATIVE

(Field personnel responsible for compliance with development plan for surface use).

DRILLING
Keith E. Bucy
Box 2760
Midland, Texas 79702
(915) 683-2277

PRODUCTION
Buddy Jenkins
P.O. Box 889
Monahans, Texas 79756
(915) 943-3450

Keith E. Bucy
Box 2760
Midland, Texas 79702
(915) 683-2277

POINT 13: CERTIFICATION

I hereby certify that I, or persons under my direct supervision have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in the plan are, to the best of my knowledge, true and correct; and that the work associated with operations proposed herein will be performed by Bass Enterprises Production Co. and it's contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

10/26/92
Date

Keith E. Bucy

MJE:sjw

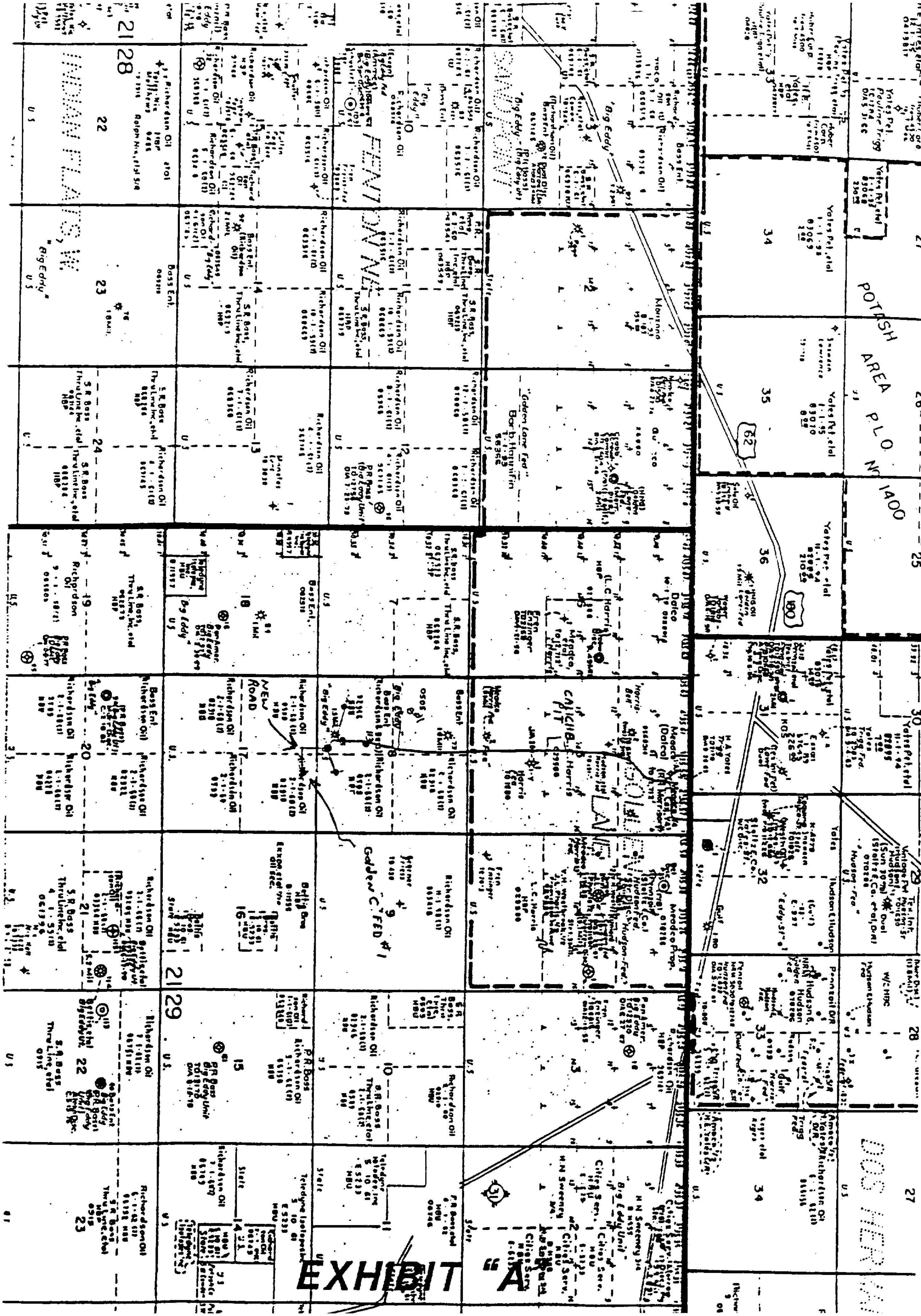


EXHIBIT "A"
POTASH AREA P.L.O. No 1400
INDIAN FLATS, W.
FENTON NE
SAND POINT
DOS HERMANAS
"Big Eddy"
Golden "C" FED #1
NEW ROAD
Richardson Oil
S.R. Bass
Bass Ent.
Yates Pet., etal
U.S.
State

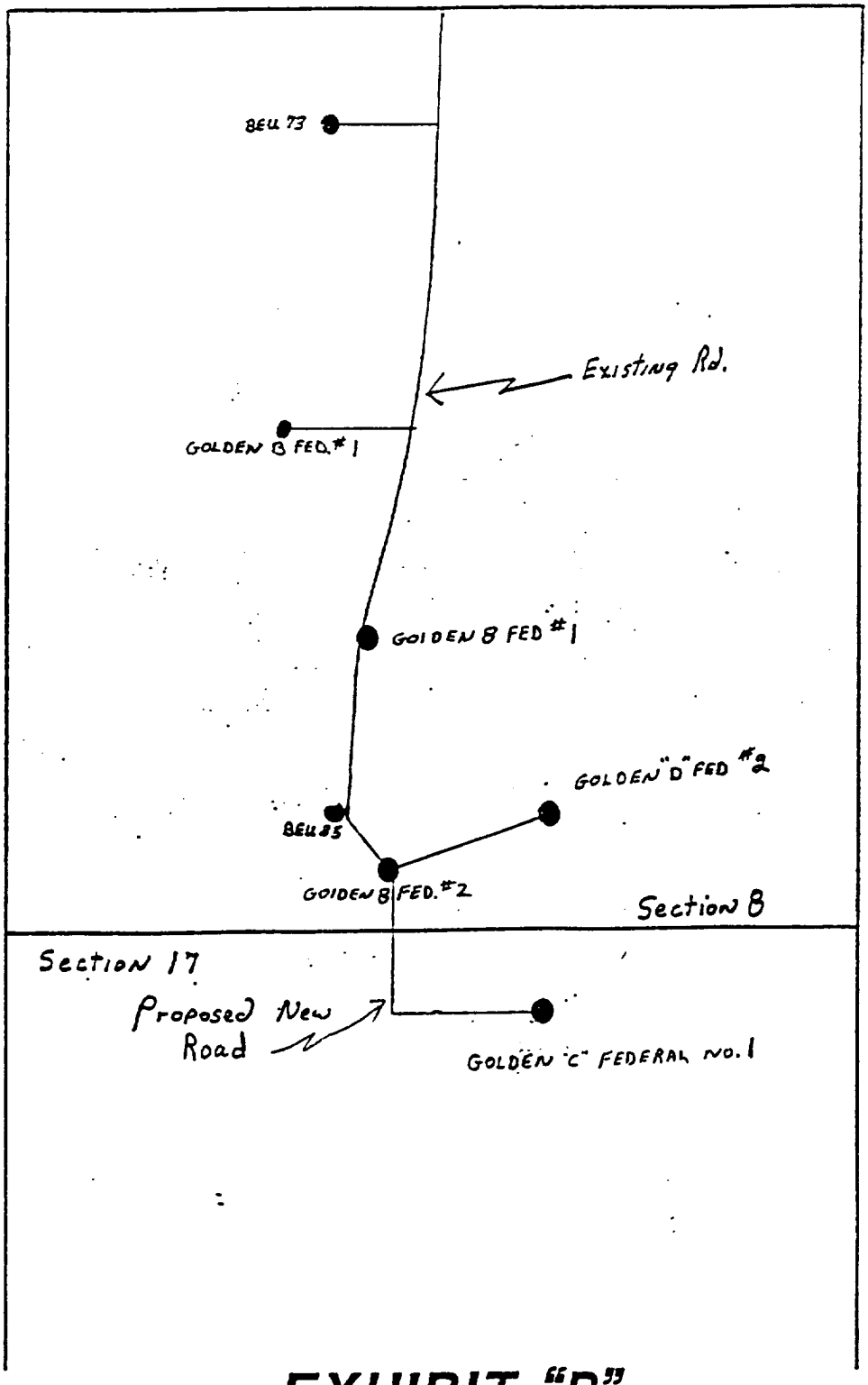

BEU 73
Existing Rd.
GOLDEN B FED. #1
GOLDEN B FED #1
GOLDEN "D" FED #2
BEU 85
GOLDEN B FED. #2
Section 8
Section 17
Proposed New Road
GOLDEN "C" FEDERAL NO. 1

EXHIBIT "B"

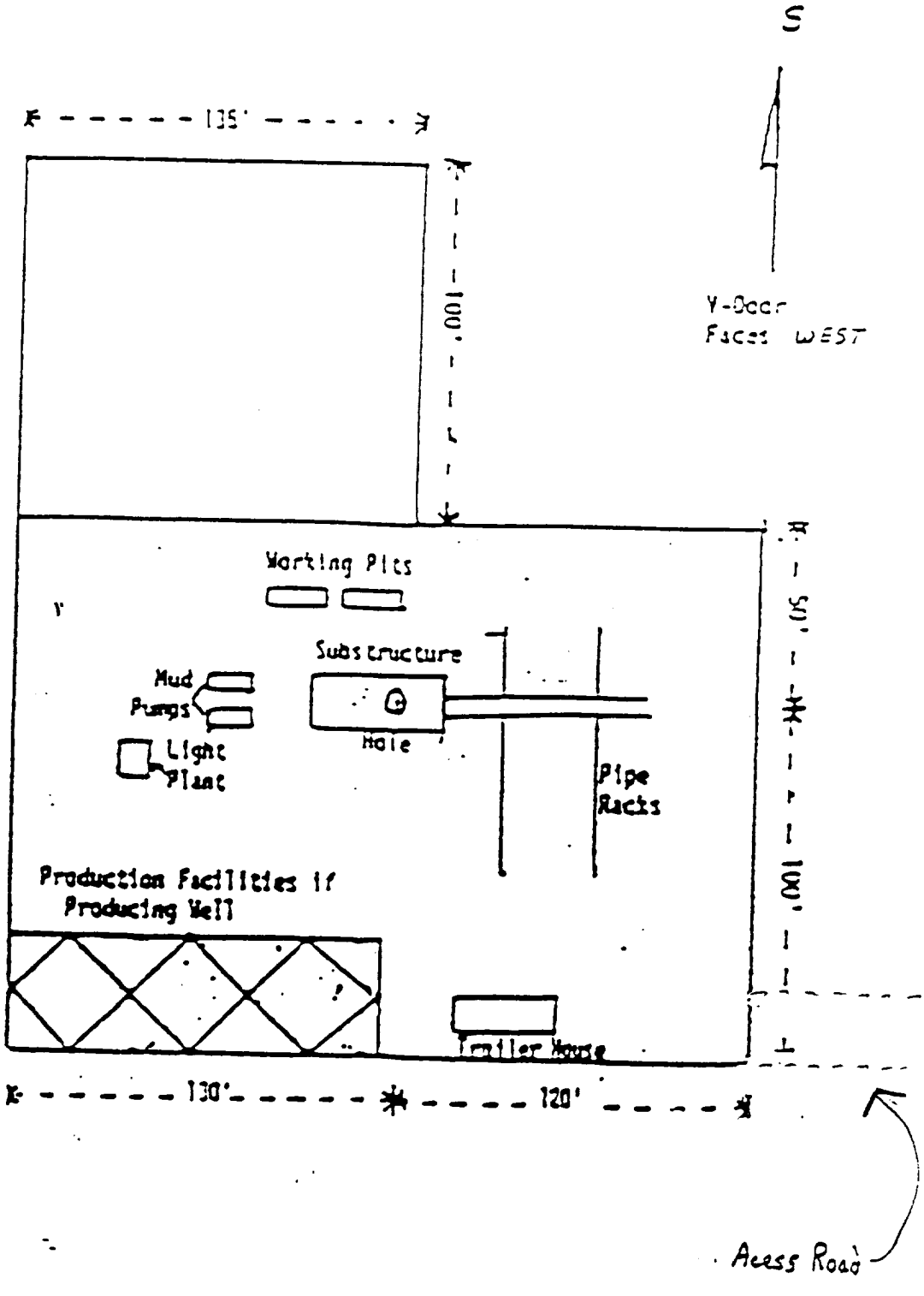

S
135'
100'
Y-Door
Faces WEST
Working Pits
Substructure
Mud
Pumps
Hole
Light
Plant
Pipe
Racks
Production Facilities if
Producing Well
Trailer House
150'
130'
120'
Access Road

EXHIBIT C

DATE: 10/13/92

GOLDEN "C" FEDERAL NO. 1
SURFACE CASING

1st TAPER CASING PARAMETERS			
		TOTAL DEPTH	750
SIZE (inches)	11.750	TOP DEPTH OF TAPER(ft)	0
WEIGHT (lbs/ft)	42.00	BOTTOM DEPTH OF TAPER(ft)	750
GRADE	H-40	MAX FLUID GRADIENT (ppg)	10
LONG OR SHORT THREAD	ST&C	AXIAL LOAD FACTOR "X"	0.000
INT. DIAMETER (inches)	11.084	AXIAL LOAD FACTOR "Y"	1.000
DRIFT DIAMETER (inches)	10.928	ANTICIPATED PSI @ SETTING	389.3
TENSION (lbs)	307,000		
COLLAPSE (psi)	1,070		
BURST (psi)	1,980	NET FOOTAGE =	750

TENSION-1.6 design factor TENSION/(DEPTH*WEIGHT)	9.746	DESIGN EXCEEDS SAFTEY FACTOR REQUIREMENT
COLLAPSE-1.0 design factor (COLLAPSE * Y)/(PSI/FT * DEPTH)	2.749	DESIGN EXCEEDS SAFTEY FACTOR REQUIREMENT
BURST-1.0 design factor BURST/(.75*BHP+2.5 #/gal)	5.087	DESIGN EXCEEDS SAFTEY FACTOR REQUIREMENT

EXHIBIT D-1

GOLDEN "C" FEDERAL NO. 1
INTERMEDIATE CASING

1st TAPER CASING PARAMETERS

TOTAL DEPTH 3,050

SIZE (inches)	8.625
WEIGHT (lbs/ft)	24.00
GRADE	K-55
LONG OR SHORT THREAD	ST&C
INT. DIAMETER (inches)	8.097
DRIFT DIAMETER (inches)	7.972
TENSION (lbs)	263,000
COLLAPSE (psi)	1,370
BURST (psi)	2,950

TOP DEPTH OF TAPER(ft)	0
BOTTOM DEPTH OF TAPER(ft)	2,500
MAX FLUID GRADIENT (ppg)	10
AXIAL LOAD FACTOR "X"	0.050
AXIAL LOAD FACTOR "Y"	0.986
ANTICIPATED PSI @ SETTING	1297.5

NET FOOTAGE = 2500

TENSION-1.6 design factor TENSION/(DEPTH*WEIGHT)	3.593	DESIGN EXCEEDS SAFTEY FACTOR REQUIREMENT
COLLAPSE-1.0 design factor (COLLAPSE * Y)/(PSI/FT * DEPTH)	1.041	DESIGN EXCEEDS SAFTEY FACTOR REQUIREMENT
BURST-1.0 design factor BURST/(.75*BHP+2.5 #/gal)	1.952	DESIGN EXCEEDS SAFTEY FACTOR REQUIREMENT

2nd TAPER CASING PARAMETERS

SIZE (inches)	8.625
WEIGHT (lbs/ft)	24.00
GRADE	S-80
LONG OR SHORT THREAD	ST&C
INT. DIAMETER (inches)	8.097
DRIFT DIAMETER (inches)	7.972
TENSION (lbs)	326,000
COLLAPSE (psi)	1,780
BURST (psi)	2,950

TOP DEPTH OF TAPER(ft)	2500
BOTTOM DEPTH OF TAPER(ft)	3050
MAX FLUID GRADIENT (ppg)	10
AXIAL LOAD FACTOR "X"	0.000
AXIAL LOAD FACTOR "Y"	1.000
ANTICIPATED PSI @ SETTING	1583.0

NET FOOTAGE = 550

TENSION-1.6 design factor TENSION/(DEPTH*WEIGHT)	24.697	DESIGN EXCEEDS SAFTEY FACTOR REQUIREMENT
COLLAPSE-1.0 design factor (COLLAPSE * Y)/(PSI/FT * DEPTH)	1.124	DESIGN EXCEEDS SAFTEY FACTOR REQUIREMENT
BURST-1.0 design factor BURST/(.75*BHP+2.5 #/gal)	1.864	DESIGN EXCEEDS SAFTEY FACTOR REQUIREMENT

EXHIBIT D-2

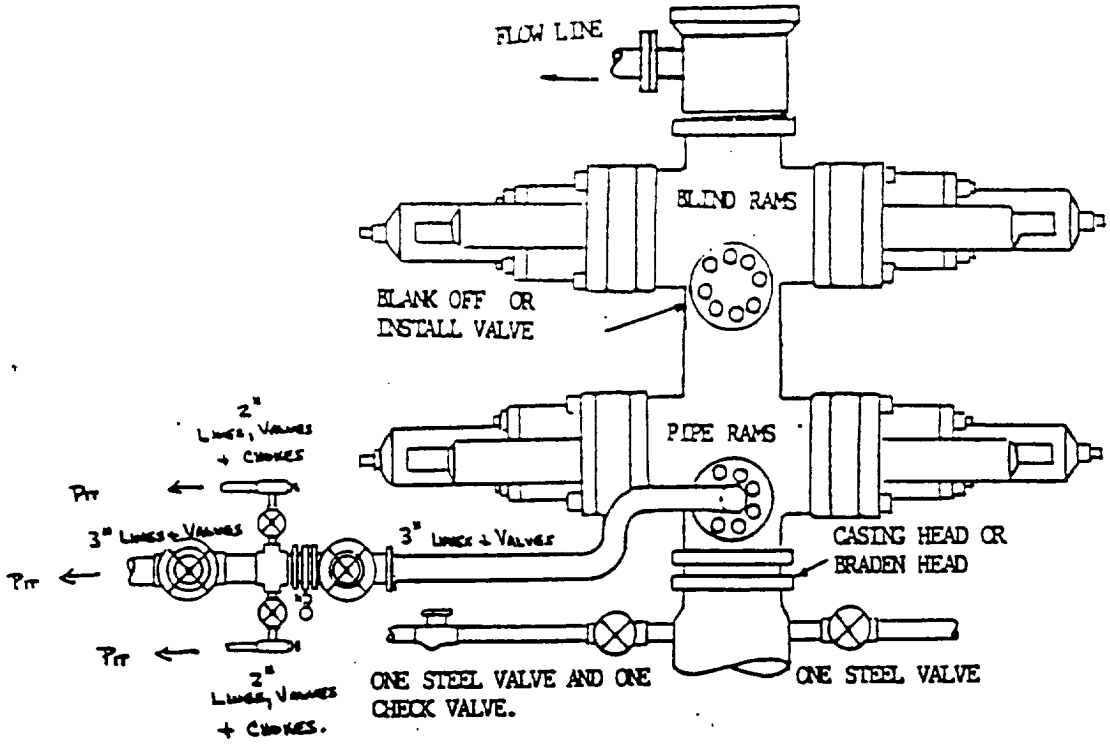
DATE: 10/23/92

GOLDEN "C" FEDERAL NO. 1

1st TAPER CASING PARAMETERS			
		TOTAL DEPTH	4,800
SIZE (inches)	5.500	TOP DEPTH OF TAPER(ft)	0
WEIGHT (lbs/ft)	14.00	BOTTOM DEPTH OF TAPER(ft)	4,800
GRADE	J-55	MAX FLUID GRADIENT (ppg)	9.2
LONG OR SHORT THREAD	ST&C	AXIAL LOAD FACTOR "X"	0.000
INT. DIAMETER (inches)	5.012	AXIAL LOAD FACTOR "Y"	1.000
DRIFT DIAMETER (inches)	4.887	ANTICIPATED PSI @ SETTING	2291.9
TENSION (lbs)	172,000		
COLLAPSE (psi)	3,120		
BURST (psi)	4,270	NET FOOTAGE =	4800
TENSION-1.6 design factor TENSION/(DEPTH*WEIGHT)	2.560	DESIGN EXCEEDS SAFTEY FACTOR REQUIREMENT	
COLLAPSE-1.0 design factor (COLLAPSE * Y)/(PSI/FT * DEPTH)	1.361	DESIGN EXCEEDS SAFTEY FACTOR REQUIREMENT	
BURST-1.0 design factor BURST/(.75*BHP+2.5 #/gal)	1.823	DESIGN EXCEEDS SAFTEY FACTOR REQUIREMENT	

EXHIBIT D-3

3000 psi BOP STACK



THE FOLLOWING CONSTITUTE MINIMUM BLOWOUT PREVENTER REQUIREMENTS

A. One double gate blowout preventer with lower rams for pipe and upper rams blind, all hydraulically controlled.

B. Opening on preventers between rams to be flanged, studded or clamped and at least two inches diameter.

C. All connections from operating manifold to preventers to be all steel hose or tube a minimum of one inch in diameter.

D. The available closing pressure shall be at least 15% in excess of that required with sufficient volume to operate (close, open, and re-close) the preventers.

E. All connections to and from preventers to have a pressure rating equivalent to that of the BOP's.

F. Manual controls to be installed before drilling cement plug.

G. Valve to control flow through drill pipe to be located on rig floor.

H. Choke may be either positive or adjustable. Choke spool may be used between rams.