C15r BLM SL OP

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
PO Drawer DD, Artesia, NM 88211-0719
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Form C-101
Revised February 10, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 6 Copies
Fee Lease - 5 Copies

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

1 Operator Name and Address.	2 OGRID Number
BASS ENTERPRISES PRODUCTION CO. P. O. BOX 2760 MIDLAND, TX 79702 915-683-2277 RECEIVED JAN 29 1996	001801
	3 API Number 30-015-28802

4 Property Code	5 Property Name	6 Well No.
~~E-5229~~ 18409	REMUDA BASIN 19 STATE OIL CON. DIV. DIST. 2	1

7 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	19	23S	30E		1980'	SOUTH	1650'	WEST	EDDY

8 Proposed Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

9 Proposed Pool 1	10 Proposed Pool 2
UNDES NASH DRAW ~~WILDCAT~~ (MORROW) 81600	

11 Work Type Code	12 Well Type Code	13 Cable/Rotary	14 Lease Type Code	15 Ground Level Elevation
N	G	R	S	3042'
16 Multiple	**17 Proposed Depth**	**18 Formation**	**19 Contractor**	**20 Spud Date**
NO	14,400	MORROW	UNKNOWN	UPON APPROVAL

21 Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
20"	16"	65#	700'	720	SURFACE
14-3/4"	10-3/4"	45.50#	3315'	2400	SURFACE
9-7/8"	7-5/8"	29.70#	11,000'	2200	3,000' *
6-1/2"	5-1/2"	17#	14,400'	300	10,700'
				*DV TOOL @	7000'

22 Describe the proposed program. If this application is to DEEPEN or PLUG BACK give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

POSTED ID- 2-9-96 NL & API

THIS LOCATION IS INCLUDED WITHIN THE SECRETARIAL ORDER POTASH AREA, THE K.P.L.A. AND THE R-111 AREA. SURFACE IS OWNED BY THE STATE OF NEW MEXICO. ORIGINAL FORM C-101 WAS SENT TO STATE ODC DATED 9/28/94. WHILE WAITING ON THE POTASH LETTER FOR PERMIT APPROVAL, TEXACO STAKED A DELAWARE WELL AT EXACT SAME LOCATION. PER TELEPHONE CONVERSATION W/MR. TIM GUM, BASS WAS REQUESTED TO MOVE THE LOCATION AND TO FILE FORM C-101 ~~BECAUSE THE STATE CAN NOT LOCATE BASS' ORIGINAL PERMIT APPLICATION~~. THIS APPLICATION MOVES BASS' ORIGINAL LOCATION 330' TO WEST. THE POTASH LETTER WAS SENT TO NMOCD ON 12/8/95.

CERTIFIED # ~~P 112 827 721~~ P 268 402 777 Follow R-111-P Guidelines

23 I hereby certify that the information given above is true and complete to the best of my knowledge and belief.	OIL CONSERVATION DIVISION
Signature: William R. Dannels	Approved by: ORIGINAL SIGNED BY TIM W. GUM
Printed name: WILLIAM R. DANNELS	Title: DISTRICT II SUPERVISOR
Title: DIVISION DRILLING SUPT.	Approval Date: 2-1-96 Expiration Date: 8-1-96
Date: 1-08-96 Phone: 915-683-2277	Conditions of Approval: Notify N.M.O.C.C. in sufficient time to witness cementing the 10 3/4" casing Attached ☐

DISTRICT I
P.O. Box 1980, Hobbs, NM 88241-1980

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DISTRICT IV
P.O. BOX 2088, SANTA FE, N.M. 87504-2088

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised February 10, 1994
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

OIL CONSERVATION DIVISION

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
30-015-28802	81600	~~Wildcat~~ Undes Nash Draw (Morrow)

Property Code	Property Name	Well Number
	REMUDA BASIN 19 STATE	1

OGRID No.	Operator Name	Elevation
001801	BASS ENTERPRISES PRODUCTION CO.	3042

Surface Location

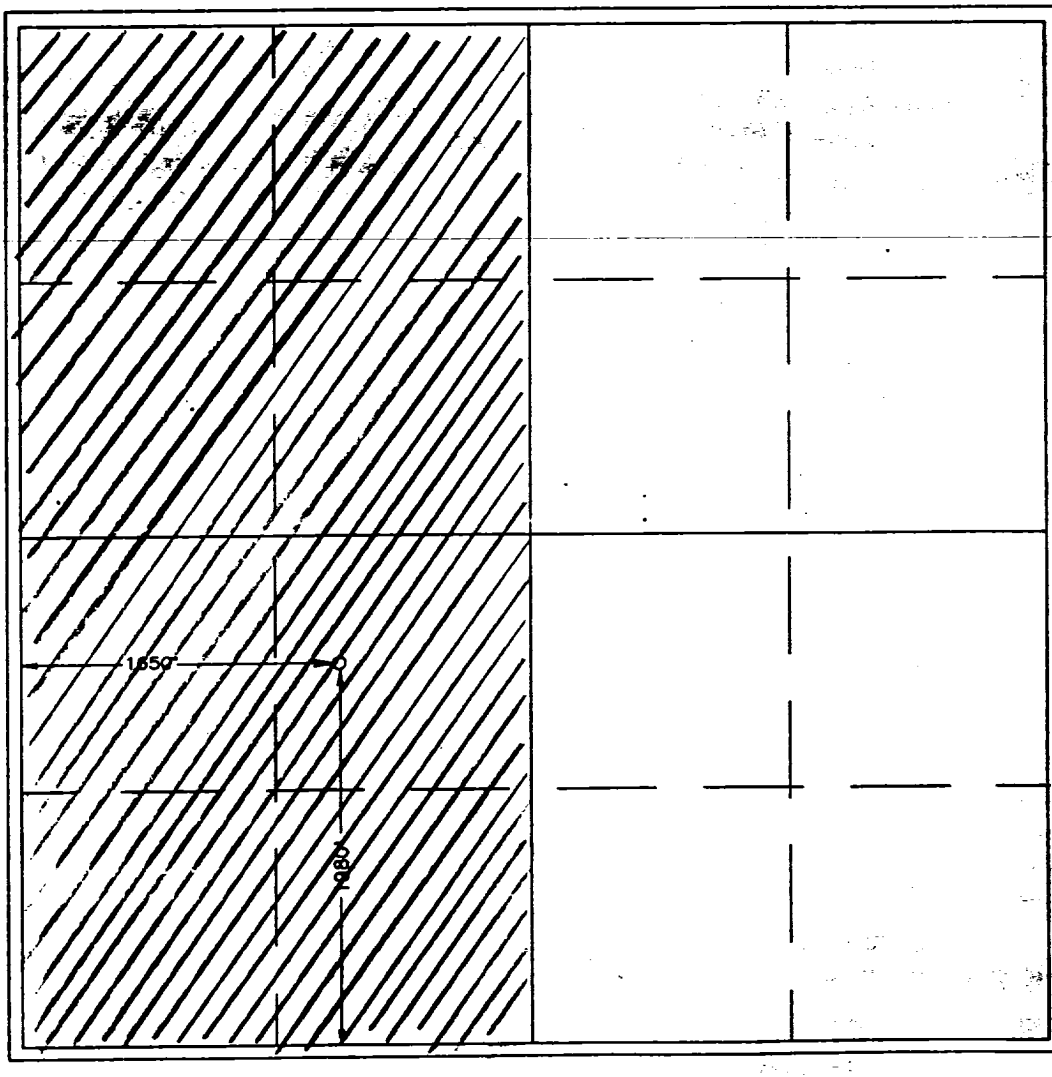
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	19	23 S	30 E		1980	SOUTH	1650	WEST	EDDY

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
320			

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT 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.

William R. Dannels
Signature

William R. Dannels
Printed Name

Division Drilling Supt.
Title

January 11, 1996
Date

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 belief.

JANUARY 5, 1996

Date Surveyed

Signature & Seal of Professional Surveyor

RONALD J. EIDSON NEW MEXICO 3239 REGISTERED PROFESSIONAL SURVEYOR

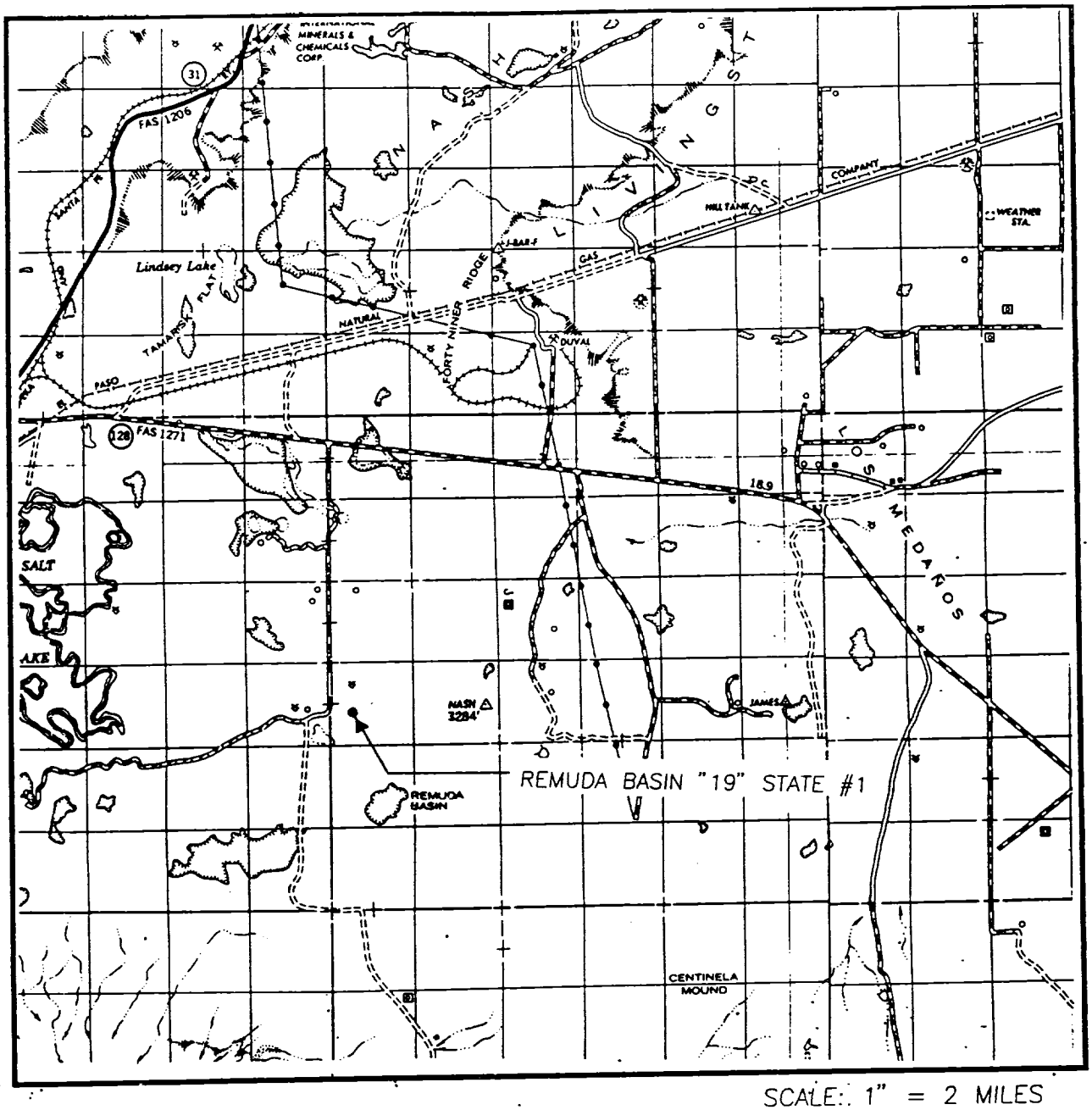
1-08-96

DMCC

W.O. Num. 96-11-0024

Certificate No. JOHN W. WEST 676
RONALD J. EIDSON 3239
GARY L. EIDSON 12641

VICINITY MAP



SCALE: 1" = 2 MILES

SEC. 19 TWP. 23-S RGE. 30-E

SURVEY N.M.P.M.

COUNTY EDDY

DESCRIPTION 1980' FSL & 1650' FWL

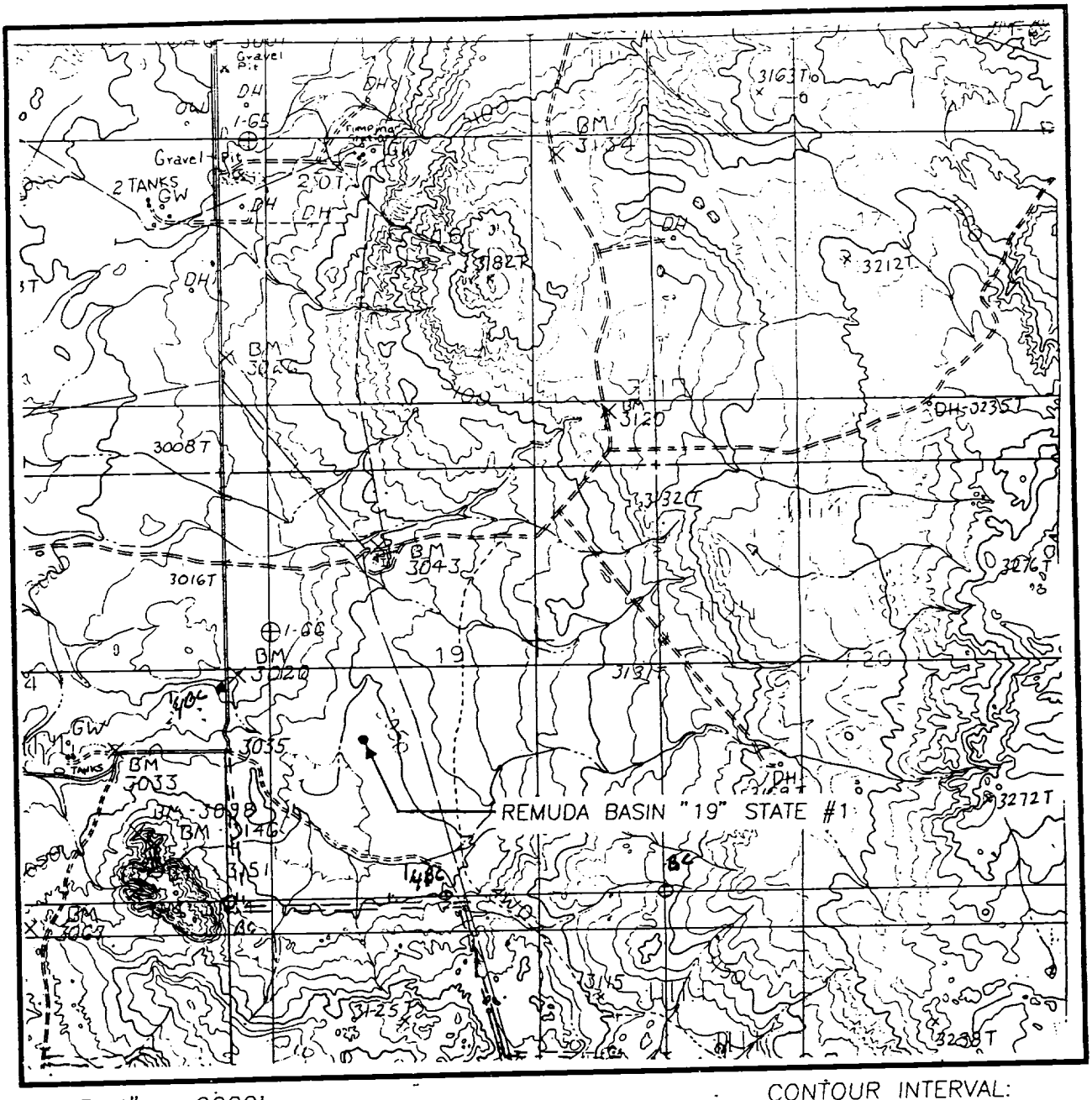
ELEVATION 3042

OPERATOR BASS ENTERPRISES PRODUCTION CO.

LEASE REMUDA BASIN 19 STATE

JOHN WEST ENGINEERING
HOBBS, NEW MEXICO
(505) 393-3117

LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL:
REMUDA BASIN – 10'

SEC. 19 TWP. 23-S RGE. 30-E

SURVEY N.M.P.M.

COUNTY EDDY

DESCRIPTION 1980' FSL & 1650' FWL

ELEVATION 3042

OPERATOR BASS ENTERPRISES PRODUCTION CO.

LEASE REMUDA BASIN 19 STATE

U.S.G.S. TOPOGRAPHIC MAP

REMUDA BASIN, N.M.

JOHN WEST ENGINEERING
HOBBS, NEW MEXICO
(505) 393-3117

EIGHT POINT DRILLING PROGRAM
BASS ENTERPRISES PRODUCTION CO.

NAME OF WELL: REMUDA BASIN 19 STATE #1

LEGAL DESCRIPTION - SURFACE: 1980' FSL & 1650' FWL, Section 19, T-23-S, R-30-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 3060' (est)
GL 3042'

FORMATION	ESTIMATED TOP FROM KB	ESTIMATED SUBSEA TOP	BEARING
T/Rustler	260'	+ 2800'	Barren
T/Salt	1660'	+ 1400'	Barren
B/Salt	3073'	- 13'	Barren
T/Lamar	3303'	- 243'	Barren
T/Ramsey	3335'	- 275'	Barren
T/Bone Spring	7075'	- 4015'	Oil/Gas
T/Wolfcamp	10494'	- 7434'	Oil/Gas
T/Strawn	12338'	- 9278'	Oil/Gas
T/Atoka Sand	12645'	- 9585'	Gas
T/Atoka Bank	12720'	- 9660'	Gas
T/Morrow	12970'	- 9910'	Gas
T/Lower Morrow	13820'	- 10760'	Gas
TD	14400'	- 11340'	

POINT 3: CASING PROGRAM

TYPE	INTERVALS	PURPOSE	CONDITION
30"	0' - 40'	Conductor	Contractor Discretion
16" 65# H-40 ST&C	0' - 700'	Surface	New
10-3/4" 45.50# LS-65 ST&C	0' - 3315'	1st Intermediate	New
7-5/8" 29.70# S-95 LT&C	0' - 11000'	2nd Intermediate	New
5-1/2" 17# S-95 FJ	10700' - 14400'	Liner	New

POINT 4: PRESSURE CONTROL EQUIPMENT (SEE ATTACHED DIAGRAM)

The minimum BOP equivalent to Diagram 1 will be nippled up on the surface casing head. 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) Fifteen days after a previous test

POINT 4: PRESSURE CONTROL EQUIPMENT (SEE ATTACHED DIAGRAM Con't...

d) As required by well conditions
A function test to insure that the preventers are operating correctly will be performed on each trip.

A BOP equivalent to Diagram 2 will be nippled up on the 7-5/8" intermediate casing head. 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) Fifteen 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.

POINT 5: MUD PROGRAM

DEPTH	MUD TYPE	WEIGHT	FV	PV	YP	FL	Ph
0' - 700'	FW Spud Mud	8.4 - 9.0	32-38	NC	NC	NC	10.0
700' - 3315'	BW	10.0 - 10.2	26-29	NC	NC	NC	9.5-10.5
3315' - 11000'	FW	8.4 - 8.9	26-32	NC	NC	NC	9.5-10.5
11000' - 14400'	Brine, XCD Polymer, PolyPac	10.0 - 12.4	34-42	2-5	2-5	12-5cc	9.0-9.5

POINT 6: TECHNICAL STAGES OF OPERATION

A) TESTING

None Anticipated.

B) LOGGING

Run One: GR-CNL-LDT and DIL-MSFL with GR 11000' to 3315' with GR-CNL to surface.
Run Two: GR-CNL-LDT and GR-DLL-MSFL from 14400' to 12000'.

C) CORING

None Anticipated.

D) CEMENT

INTERVAL	AMOUNT SXS	FILL	FT OF TYPE	GALS/SX	PPG	FT^3/SX
SURFACE						
Lead	420 (100% excess circ to surface)	400'	Premium Plus + 4% Gel + 2% CaCl2 + 1/4#/sx Flocele	8.90	13.60	1.70
Tail	300 (100% excess circ to surface)	300'	Premium Plus + 2% CaCl2	6.30	14.80	1.32

POINT 6: TECHNICAL STAGES OF OPERATION continued:

INTERVAL	AMOUNT SXS	FILL	FT OF TYPE	GALS/SX	PPG	FT^3/SX
1ST INTERMEDIATE						
Lead	2050 (150% excess circ to surface)	3015'	Premium Plus HLC Cement +12#/sk Salt + 1/4#/sx Flocele	11.38	12.70	2.10
Tail	350 (150% excess circ to surface)	300'	Premium Plus Cement	6.30	14.80	1.32
2ND INTERMEDIATE						
First Stage						
Lead	700 (100% excess to DV Tool)	3200'	Halliburton Lite Premium Cement +0.5% Halad-9 + 1/4#/sx Flocele	10.90	12.40	1.97
Tail	300 (100% excess to DV Tool)	800'	Premium Cement + 0.5% Halad-322	5.23	15.60	1.81
Second Stage						
Lead	1100(100%excess tie back to int csg)	3500'	Premium 50/50 Silica Poz Mix Cement +0.5% Halad-322	7.80	13.00	1.53
Tail	100(100%excess tie back to int csg)	500'	Premium	4.30	16.40	1.06
PRODUCTION LINER						
Lead	Precede cement with 100 sacks of Poz Mix A Scavanger containing: 0.87# MF-1, 0.5% CFR-3, 0.4% HR-5					
Tail						
10,700-14,400'	300 (50% excess tie back to 2nd int csg)	3700'	Premium Cement + 4# Microbond M +0.8% Halad-322 + 0.6% Gas Stop + 0.5% HR-5	5.75	15.40	1.27

E) DIRECTIONAL DRILLING

No directional services anticipated.

POINT 7: ANTICIPATED RESERVOIR CONDITIONS

Normal pressures are anticipated throughout Delaware section. Gradual increase in pore pressure are expected with the Morrow. BHP expected to be 9050 psi (max) or ECD of 12.1 ppg. Lost circulation may exist in the Delaware section from 3500-7100'. No H_2S is anticipated.

Estimated BHT is 214° F.

POINT 8: OTHER PERTINENT INFORMATION

A) Auxiliary Equipment

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

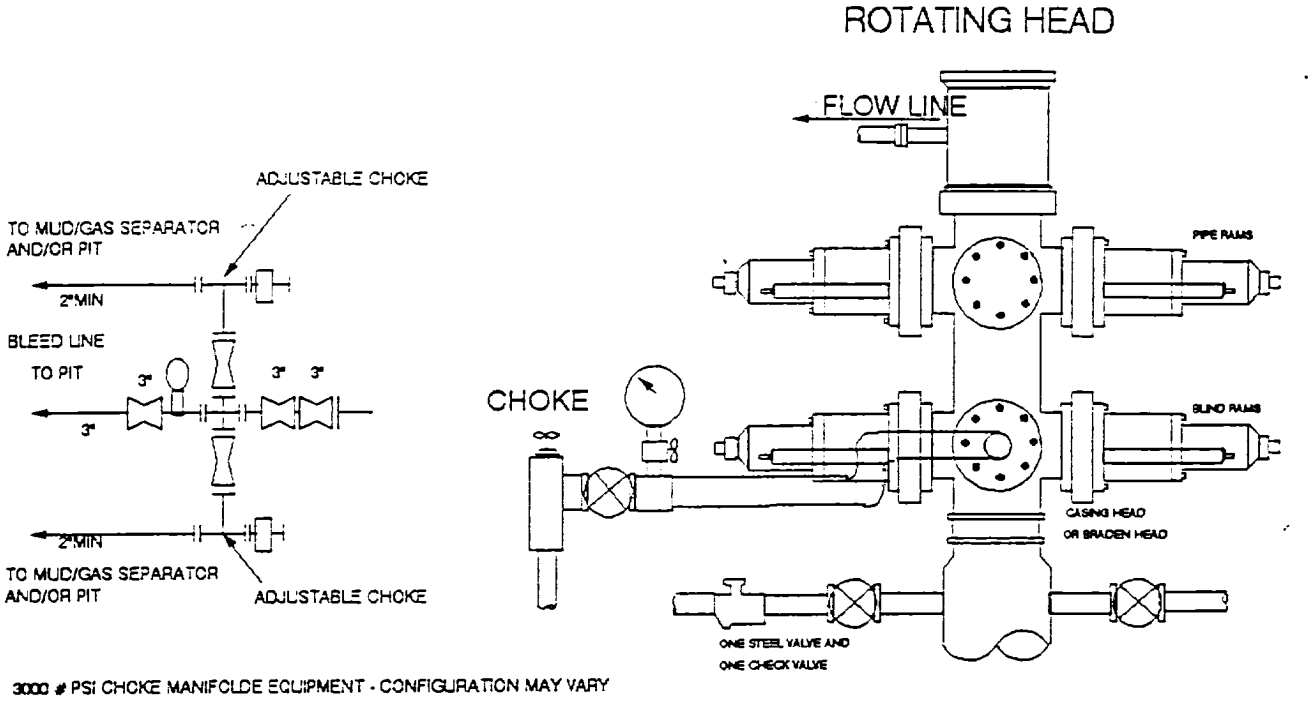
B) Anticipated Starting Date

Upon approval

65 days drilling operations

15 days completion operations

5000 PSI WP



3000 # PSI CHOKE MANIFOLDE EQUIPMENT - CONFIGURATION MAY VARY

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 in 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.

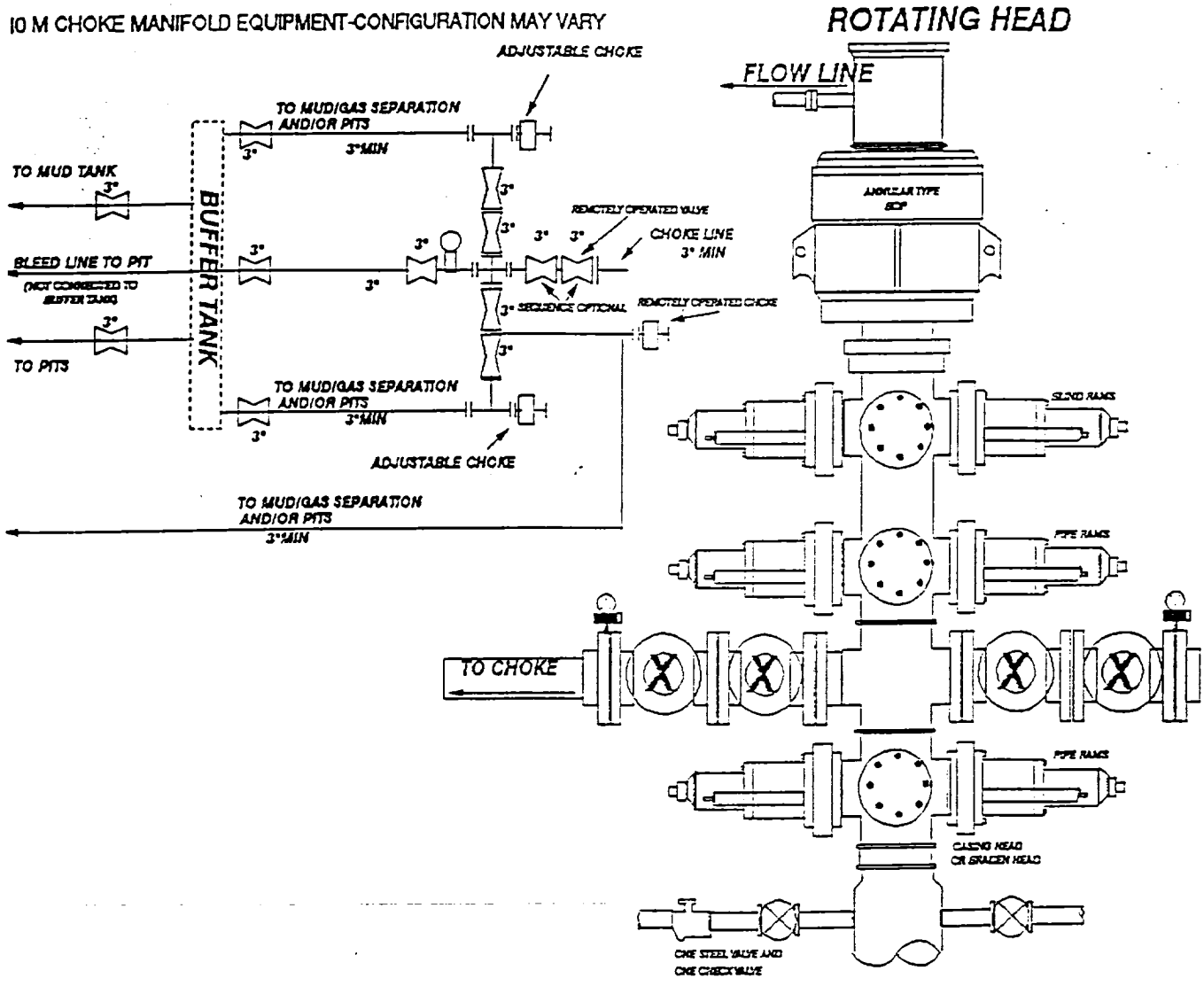
F. Manual controls to be installed before drilling cement plug.

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

H. All chokes will be adjustable. Choke spool may be used between rams.

DIAGRAM 1

10-M. WP _OPE WITH 5-M WP. ..NNULAR



THE FOLLOWING CONSTITUTE MINIMUM BLOWOUT PREVENTER REQUIREMENTS:

A. Opening between the ram to be flanged, studded, or clamped.
B. All connections from operating manifolds to preventers to be all steel hose or tube a minimum of one inch diameter.
C. 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 preventors.
D. ALL connections to and from preventer to have a pressure rating equivalent to that of the BOPs.
E. Manual controls to be installed before drilling cement plug.
F. Kelly cock to be installed on kelly.
G. Inside blowout preventer to be available on rig floor.
H. Dual operating controls: one located by drillers position and the other located a safe distance from the rig floor.
I. All chokes will be adjustable.

DIAGRAM 2

Submit 3 Copies to Appropriate District Office

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-103
Revised 1-1-89

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

OIL CONSERVATION DIVISION

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

WELL API NO.

5. Indicate Type of Lease STATE ☒ FEE ☐

6. State Oil & Gas Lease No.
E-5229

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

7. Lease Name or Unit Agreement Name
REMUDA BASIN 19 STATE

1. Type of Well:
OIL WELL ☐ GAS WELL ☒ OTHER

2. Name of Operator
BASS ENTERPRISES PRODUCTION CO.

8. Well No.
#1

3. Address of Operator
P. O. BOX 2760; MIDLAND, TX 79702-2796 915-683-2277

9. Pool name or Wildcat
MORROW

4. Well Location
Unit Letter K : 1980 Feet From The SOUTH Line and 1980 Feet From The WEST Line

Section 19 Township 23S Range 30E NMPM EDDY County

10. Elevation *(Show whether DF, RKB, RT, GR, etc.)*
3047' GR

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPNS. ☐	PLUG AND ABANDONMENT ☐
PULL OR ALTER CASING ☐		CASING TEST AND CEMENT JOB ☐	
OTHER: SUBMIT ADDITIONAL INFORMATION ☒		OTHER: ☐	

12. Describe Proposed or Completed Operations *(Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work)* SEE RULE 1103.

PER TELEPHONE CONVERSATION AND AT THE REQUEST OF MR. TIM GUM, PLEASE FIND THE ATTACHED POTASH LETTER FOR THE ABOVE REFERENCED WELL.

Certified # Z 112 327 717
WRD 12-7-95
12-3-95

RECEIVED
DEC 11 1995
OIL CON. DIV.
DIST. 2

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

SIGNATURE William R. Dannels TITLE DIVISION DRILLING SUPT. DATE 12/08/95

TYPE OR PRINT NAME WILLIAM R. DANNELS TELEPHONE NO.

(This space for State Use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

Mississippi Potash, Inc.

December 1, 1995

Bass Enterprises Production Co.
First City Bank Tower
201 Main
Fort Worth, Texas 76102-3131

Attention: Mr. Monty Montgomery

Re: Bass Enterprises Production Co.
Remuda Basin 19 State Com No. 1
Eddy County, New Mexico

Gentlemen:

We received your letter dated November 20, 1995, stating your intentions to drill the Remuda Basin 19 State Com. No. 1 Well located 1980' FSL 1980' FWL Section 19, T23S-R30E in Eddy County, New Mexico. In accordance with our agreement, Mississippi Potash, Inc. will not offer any objections to these wells being drilled.

Sincerely,

Randy Foote
General Manager
Mississippi Potash, Inc.

RF:jaf

P.O. Box 101 • 1996 Potash Mines Road • Carlsbad, New Mexico 88220
Phone (505) 887-5591 • FAX (505) 887-0705