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SEP 29 '94

O. C. D.
ARTESIA, OFFICE

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, TEXAS 79702-2760	001801
	[3] API Number 30 - 015 - 28137

[4] Property Code	[5] Property Name	[6] Well No.
~~E-5229~~ 15806	REMUDA BASIN 31 STATE	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
F	31	23S	30E		1980'	NORTH	1980'	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
WILDCAT (MORROW) 96010	

[11] Work Type Code	[12] Well Type Code	[13] Cable/Rotary	[14] Lease Type Code	[15] Ground Level Elevation
N	G	R	S	3135'
[16] Multiple	**[17] Proposed Depth**	**[18] Formation**	**[19] Contractor**	**[20] Spud Date**
NO	14,700'	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#	3700 ~~3375~~	2400	SURFACE
9-5/8"	7-5/8"	29.70#	11000'	2200	3000' *
6-1/2"	5-1/2"	17#	14700'	320	10700'

[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.

THIS LOCATION IS INCLUDED WITHIN THE SECRETARIAL ORDER POTASH AREA, YET OUTSIDE OF THE K.P.L.A. AND THE R-111 AREA. SURFACE IS OWNED BY THE STATE OF NEW MEXICO.

* DV TOOL @ 7000'.

SEE ATTACHMENTS

Certified # P 158 944 973

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

Signature: William R. Dannels

Printed name: WILLIAM R. DANNELS

Title: DIVISION DRILLING SUPERINTENDENT

Date: 9-28-94 Phone: 915-683-2277

OIL CONSERVATION DIVISION

Approved by: Mark Ashley

Title: GEOLOGIST

Approval Date: 9-29-94 Expiration Date: 3-29-95

Conditions of Approval:
Attached ☐

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

State of New Mexico
Energy, Minerals and Natural Resources Department

DEPOS - WTD PRODUCTION
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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
30-015-28137	96070	WILDCAT (MORROW)

Property Code	Property Name	Well Number
E-5229	REMUDA BASIN 31 STATE	1

OGRID No.	Operator Name	Elevation
001801	BASS ENTERPRISES PRODUCTION COMPANY	3135'

Surface Location

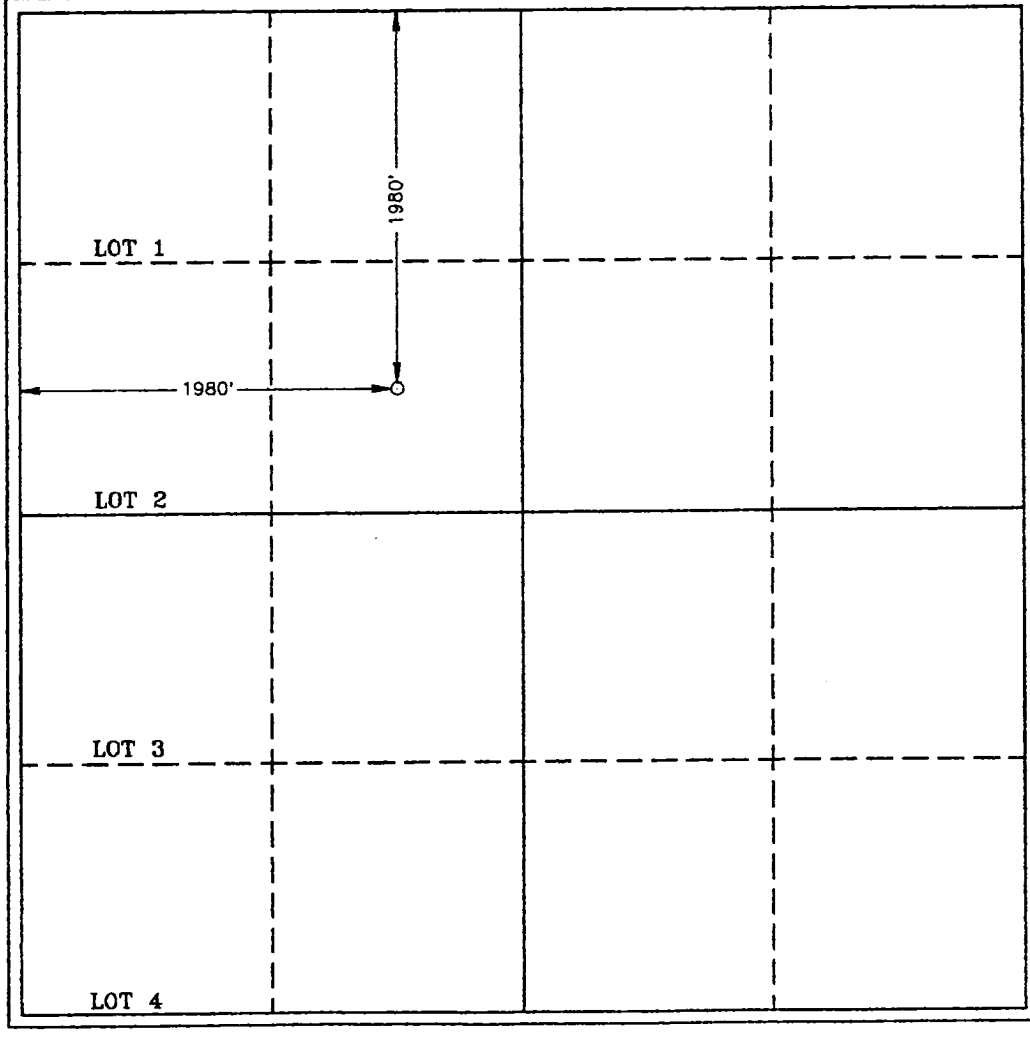
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	31	23 S	30 E		1980	NORTH	1980	WEST	EDDY

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

9-28-94
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.

AUGUST 23, 1994
Date Surveyed

Signature & Seal of Professional Surveyor

W.O. Num. 94-11-1503

Certificate No. JOHN W. WEST, 676
RONALD J. EIDSON, 3239

EIGHT POINT DRILLING PROGRAM
BASS ENTERPRISES PRODUCTION CO.

NAME OF WELL: REMUDA BASIN 31 STATE WELL #1

LEGAL DESCRIPTION - SURFACE: 1980' FNL & 1980' FWL, Section 31, 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 3156' (est)
GL 3135'

FORMATION	ESTIMATED TOP FROM KB	ESTIMATED SUBSEA TOP	BEARING
T/Rustler	406'	+ 2750'	Barren
T/Salt	1806'	+ 1350'	Barren
B/Salt	3142'	- 14'	Barren
T/Lamar	3399'	- 243'	Barren
T/Ramsey	3431'	- 275'	Barren
T/Bone Spring	7181'	- 4025'	Oil/Gas
T/Wolfcamp	10610'	- 7454'	Oil/Gas
T/Strawn	12454'	- 9298'	Oil/Gas
T/Atoka Sand	12761'	- 9605'	Gas
T/Atoka Bank	12836'	- 9680'	Gas
T/Morrow	13306'	- 10150'	Gas
T/Lower Morrow	14156'	- 11000'	Gas
TD	14700'	- 11544'	

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' - 3375'	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' - 14700'	Liner	New

POINT 4: PRESSURE CONTROL EQUIPMENT (SEE ATTACHED DIAGRAM)

A BOP equivalent to Diagram 1 will be the minimum requirement and may 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
d) As required by well conditions

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

POINT 4: PRESSURE CONTROL EQUIPMENT (SEE ATTACHED DIAGRAM) continued:

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' - 3375'	BW	10.0 - 10.2	26-29	NC	NC	NC	9.5-10.5
3375' - 11000'	FW/Cut Brine	8.4 - 8.9	26-32	NC	NC	NC	9.5-10.5
11000' - 14700'	Brine, XCD Polymer, PolyPac	10.0 - 12.5	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 DLL-MSFL with GR 12000' to 3375' with GR-CNL to surface.
Run Two: GR-CNL-LDT and GR-DLL-MSFL from 14700' to 12000'.

C) CORING

None Anticipated.

D) CEMENT

INTERVAL	AMOUNT SXS	FT OF FILL	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

D) CEMENT (continued)

INTERVAL	AMOUNT SXS	FT OF FILL	TYPE	GALS/SX	PPG	FT^3/SX
1ST INTERMEDIATE						
Lead	2050 (150% excess circ to surface)	3000'	Premium Plus HLC Cement +12#/sk Salt + 1/4#/sx Flocele	11.36	12.70	2.10
Tail	350 (150% excess circ to surface)	375'	Premium Plus Cement (Class "C")	6.30	14.80	1.32
2ND INTERMEDIATE						
First Stage						
Lead	700 (100% excess to DV Tool)	3200'	Premium Cement + 3% Econolite+ 1/4#/sx Flocele	17.68	11.40	2.87
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 Cement +0.5% Halad-322	7.80	13.00	1.53
Tail	100(100%excess tie back to int csg)	500'	Premium (Class "H")	4.30	16.40	1.06
PRODUCTION LINER						
Lead	Precede cement with 100 sacks of Poz Mix A Scavanger containing: .87# MF-1, 0.5% CFR-3, 0.4% HR-5			4.15	14.0	1.04
Tail 10,700-14,700'	320 (50% excess tie back to 2nd int csg)	3000'	Premium Cement + 4# Micro bond M + 0.8% Halad-322 + 0.6% Gas Stop + 0.5% HR-5	5.7	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 exicst in the Delaware section form 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.

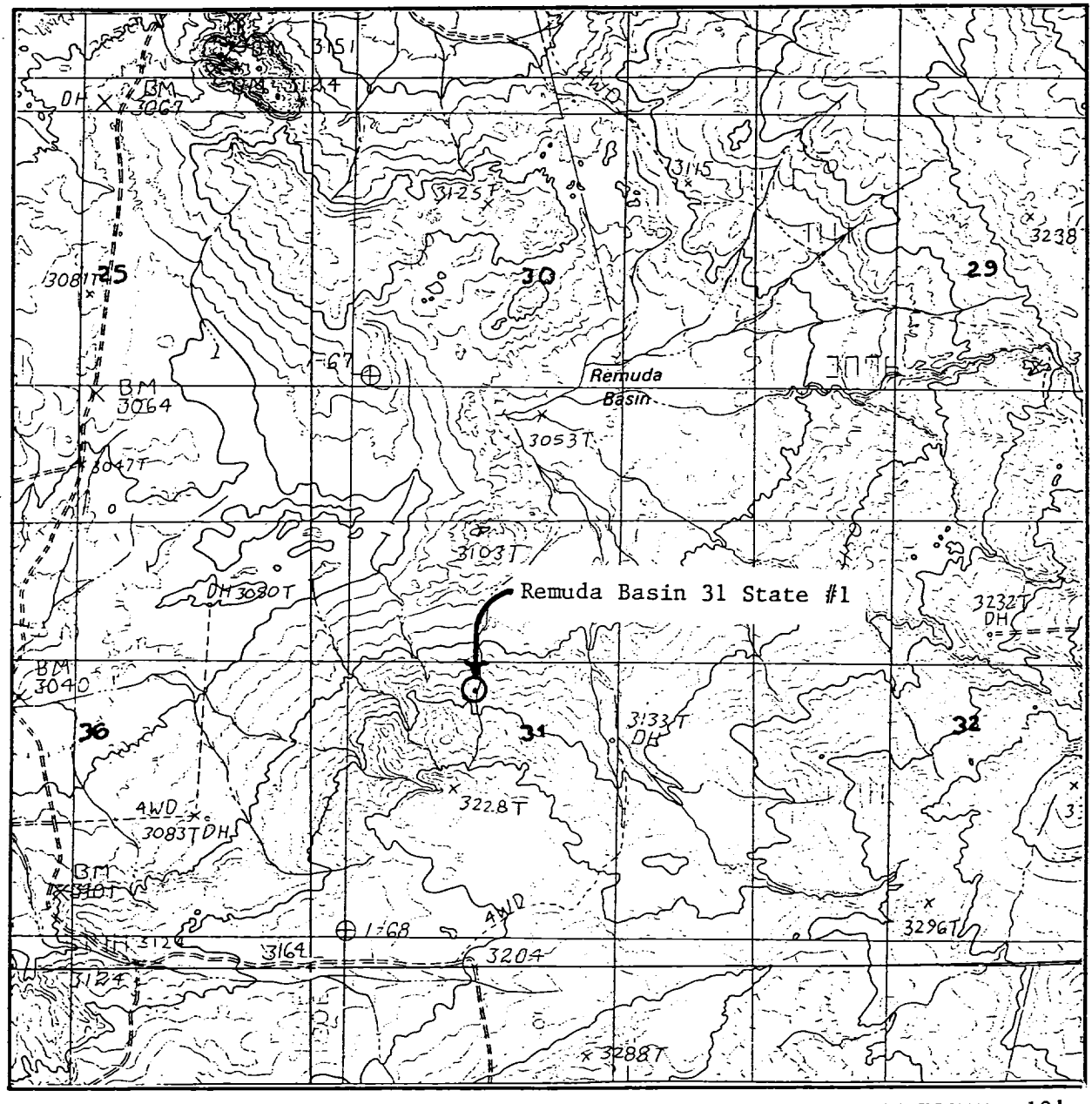
B) Anticipated Starting Date

Upon approval

65 days drilling operations

15 days completion operations

LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL 10'

SEC. 31 TWP. 23 S RGE. 30 E

SURVEY N.M.P.M.

COUNTY Eddy STATE N.M.

DESCRIPTION 1980' FNL & 1980' FWL

ELEVATION 3135'

OPERATOR Bass Enterprises Production Co.

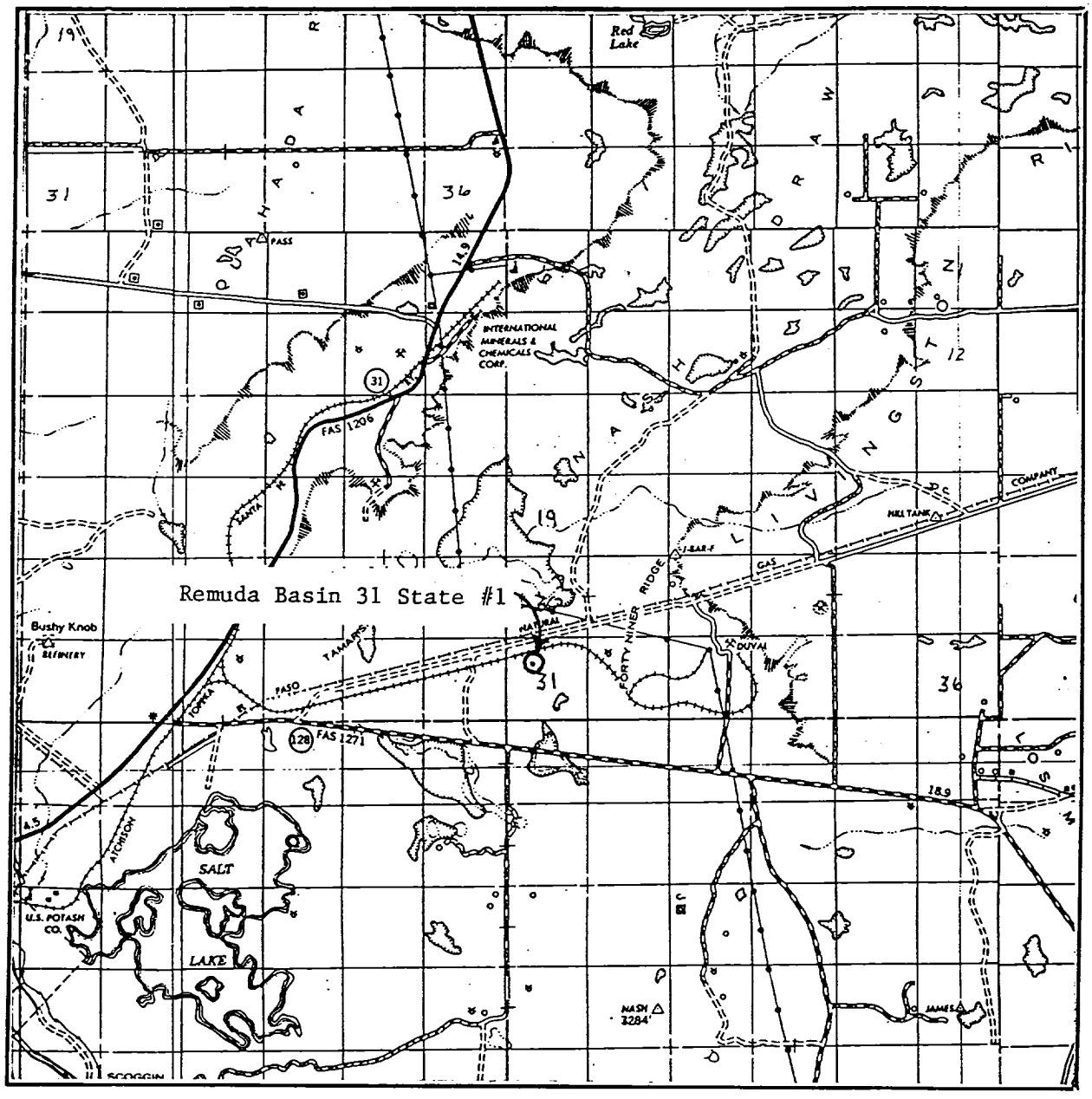
LEASE Remuda Basin 31 State #1

U.S.G.S. TOPOGRAPHIC MAP

Remuda Basin

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

VICINITY MAP



SCALE: 1" = 2 MILES

SEC. 31 TWP. 23 S RGE. 30 E

SURVEY N.M.P.M.

COUNTY Eddy STATE N.M.

DESCRIPTION 1980' FNL & 1980' FWL

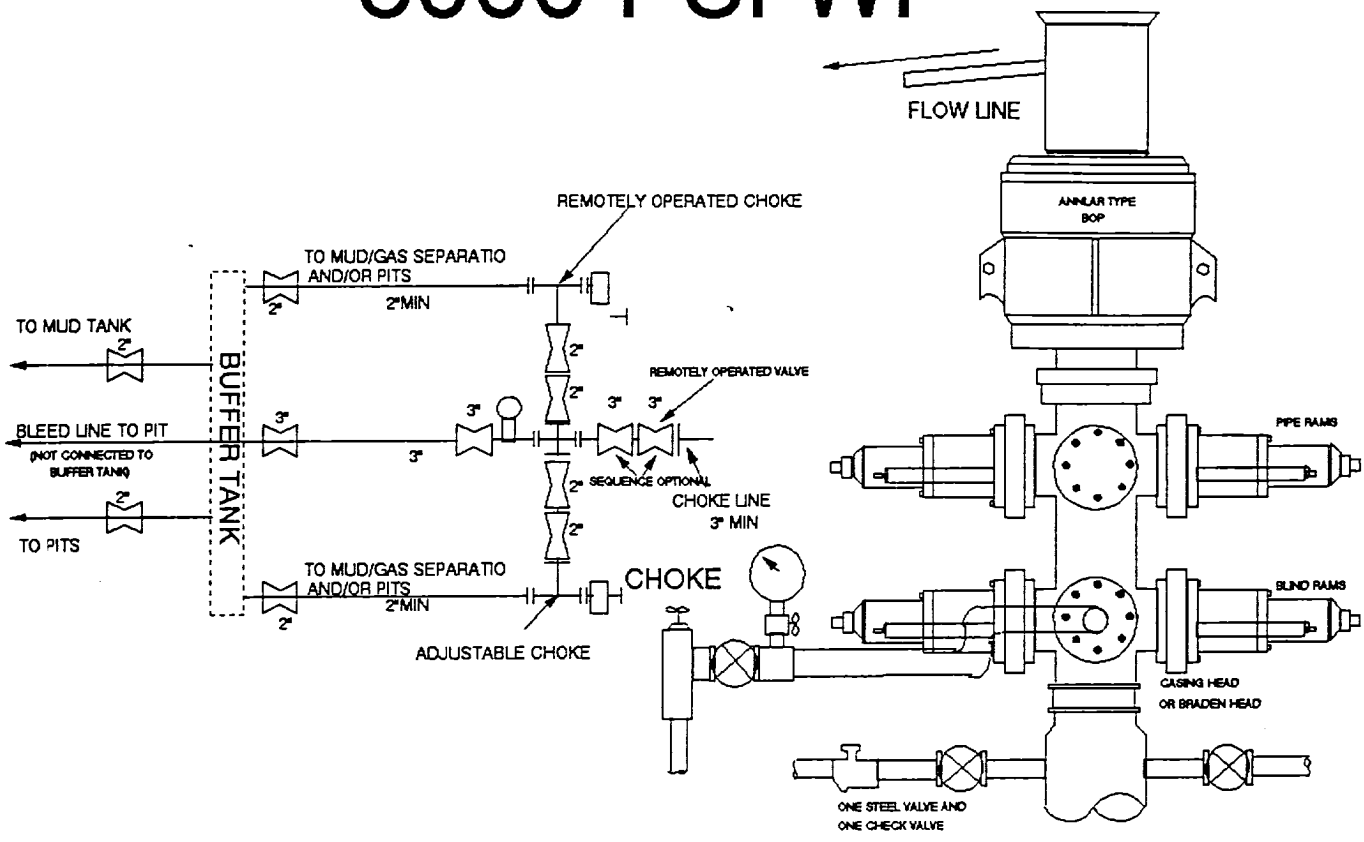
ELEVATION 3135'

OPERATOR Bass Enterprises Production Co.

LEASE Remuda Basin 31 State #1

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

5000 PSI WP



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.

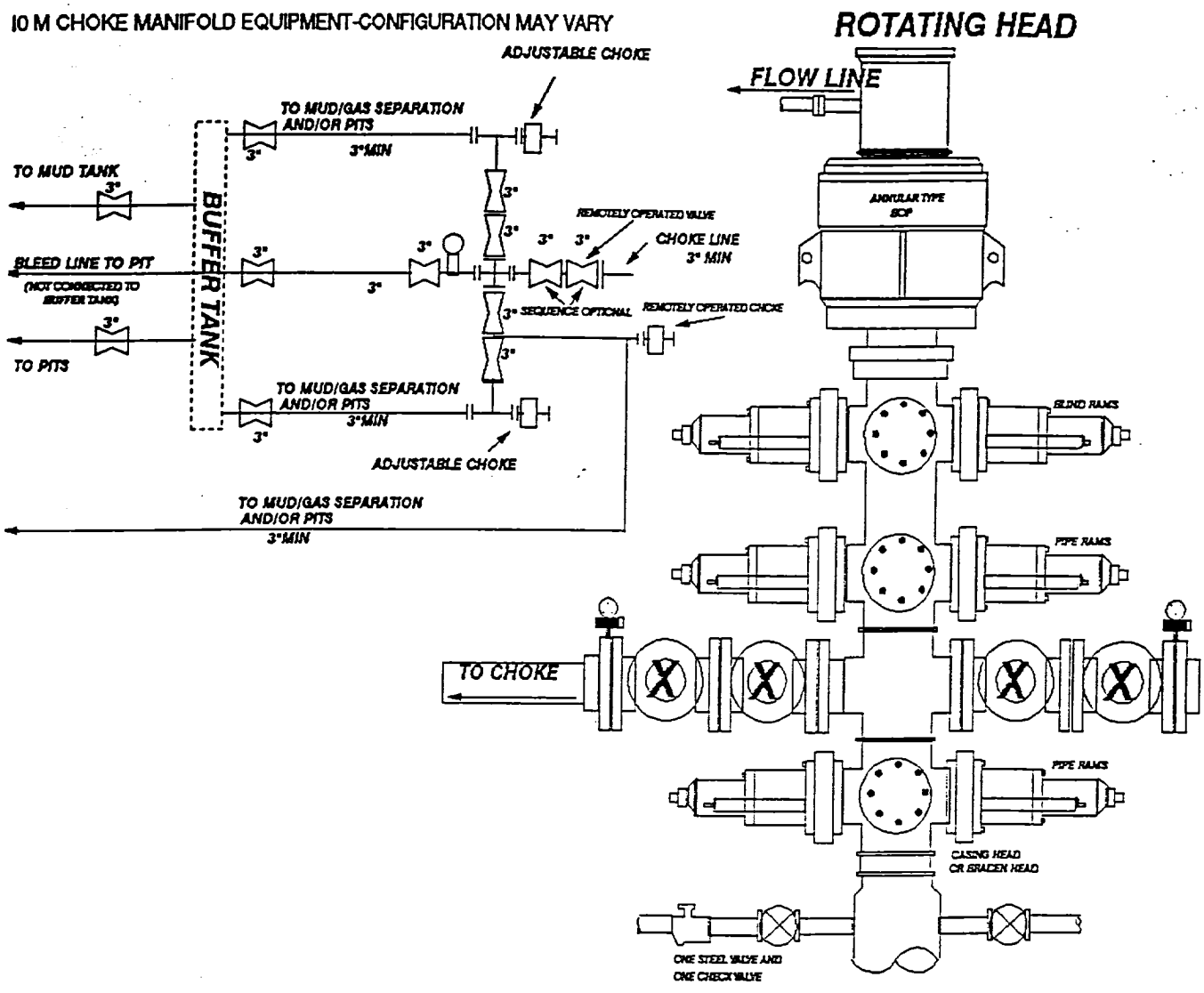
F. Manual controls to be installed before drilling cement plug.

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 BOPE WITH 5-M WP. ANNULAR



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