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DISTRICT IV

P. O. Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-101

Revised February 10, 1994

Instructions on back

OIL CONSERVATION DIVISION

P. O. Box 2088

Santa Fe, New Mexico 87504-2088

Submit to Appropriate District Office

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☐ AMENDED REPORT**APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE**

1. Operator Name and Address Bass Enterprises Production Co. P O Box 2760 Midland, Texas 79702-2760 915-683-2277		2. OGRID Number 001801
		3. API Number 30-025-34284
4. Property Code 22371	5. Property Name Monteith "C"	6. Well No. 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
B	13	16S	36E		660	North	1830	East	Lea

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 Lovington NE (Penn) Field					10. Proposed Pool 2				

11. Work Type Code N	12. Well Type Code O	13. Cable/Rotary R	14. Lease Type Code P	15. Ground Level Elevation 3858
16. Multiple No	17. Proposed Depth 11,650'	18. Formation Strawn	19. Contractor Norton Drig. Co.	20. Spud Date Upon Approval

21. Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
1) 14-3/4"	11-3/4"	42#	350'	275	Surface
2) 11"	8-5/8"	28# & 32#	4925'	1250	Surface
3) 7-7/8"	5-1/2"	17# & 15.50#	11,650'	300	500' above top pay
					Section or est at 9800'

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.

- 1) Surface casing to be set through the Redbed into the Anhydrite.
- 2) Intermediate casing to be set in the San Andres. An attempt will be made to cement to surface. If cement is not circulated to surface, a temperature survey will be run to locate the TOC. No remedial operations will be conducted if a minimum of 100' fill inside 11-3/4" X 8-5/8" annulus.
- 3) Production casing to be cemented 500' above the upper most pay zone, which is estimated at 9800'.
- 4) The SW/4 NE/4 of Section 13 is included in the proposed proration unit even though it is currently allocated to the proration unit for the Monteith A #1 well. Bass plans to continue producing the Monteith A #1 (S/2 NE/4) until production is established on the Monteith C #1. At which time the Monteith A #1 will be temporarily abandoned. The Monteith A #1 cannot be TA'ed prior to drilling the Monteith C #1 due to the risk of losing leases due to cessation of production.
- 5) Drilling procedure, BOP diagram, anticipated tops attached.

This well is outside the R-111 Potash Areas.**Permit Expires 1 Year From Approval
Date Unless Drilling Underway**

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

Signature: *William R. Dannels*

Printed Name: William R. Dannels

Title: Division Drilling Supt.

Date: 1/27/98

Phone: 915-683-2277

OIL CONSERVATION DIVISIONORIGINAL SIGNED BY CHRIS WILLIAMS
Approved by: DISTRICT I SUPERVISORTitle: **EB 05 1998**Approval Date:
Conditions of Approval:
Attached

4
JUN 19 1998
Received
Hubs
C.D.

314
ROSWELL, NM

JUN 23 98

RECEIVED

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

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised February 10, 1994
Instruction on back
Submit to Appropriate District Office
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DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

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1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-34284	Pool Code 40760	Pool Name LOVINGTON NE (PENN) FIELD
Property Code 22371	Property Name MONTEITH "C"	Well Number 1
OGRID No. 001801	Operator Name BASS ENTERPRISES PROD. CO.	Elevation 3858'

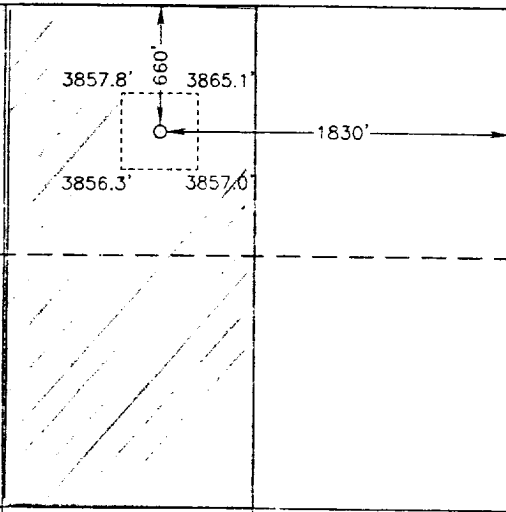
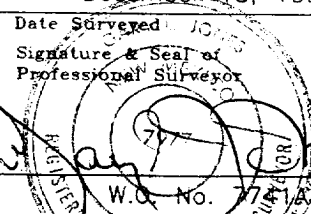
Surface Location

UL or lot No. B	Section 13	Township 16 S	Range 36 E	Lot Idn	Feet from the 660	North/South line NORTH	Feet from the 1830	East/West line EAST	County LEA
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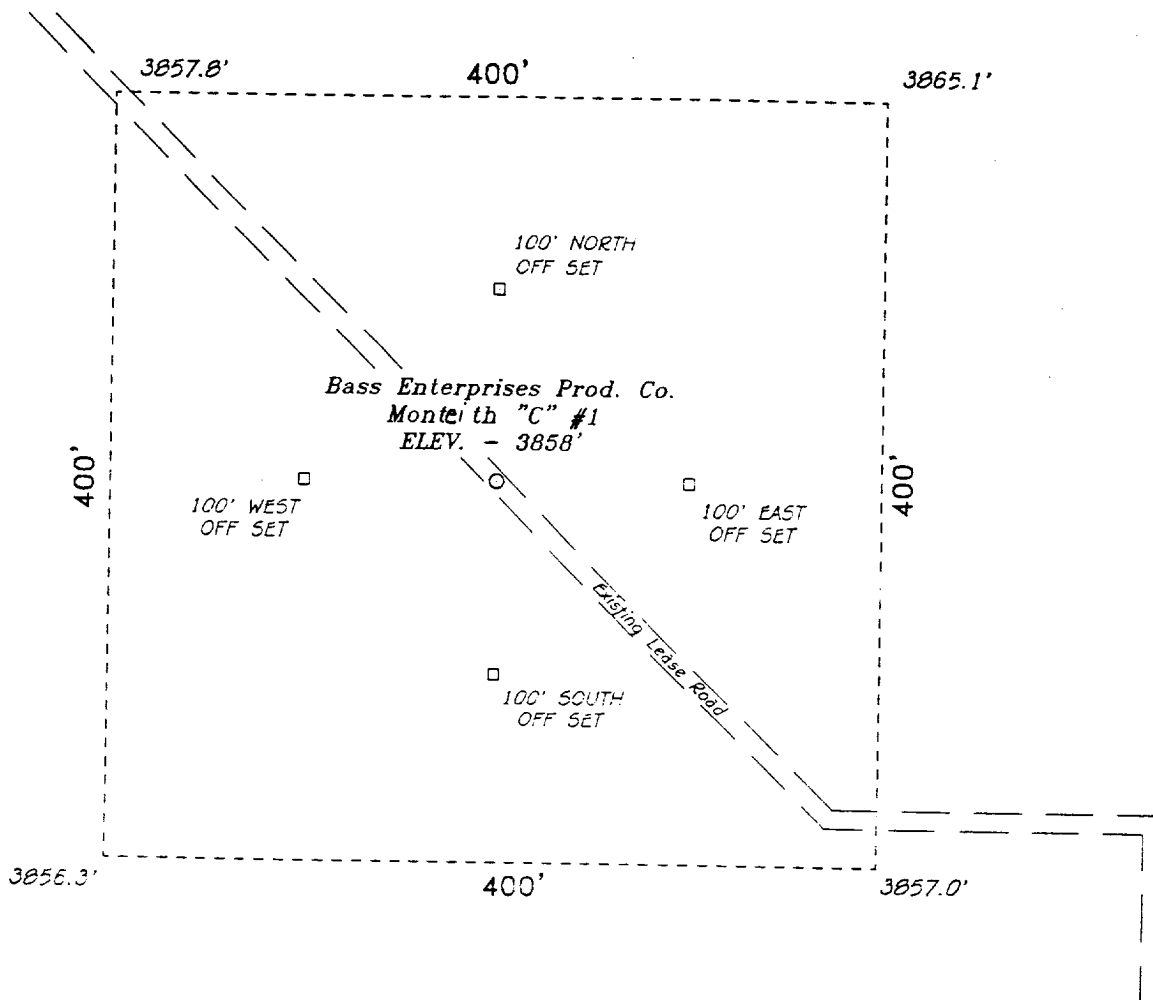
Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres 80	Joint or Infill N*	Consolidation Code	Order No.						

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

*SEE NO. 22 #4 PROPOSAL STATEMENT			OPERATOR CERTIFICATION I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief. <u>William R. Dannels</u> Signature William R. Dannels Printed Name Division Drlg. Supt. Title <u>1-27-98</u> 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 supervision, and that the same is true and correct to the best of my belief. December 15, 1997 Date Surveyed Signature & Seal of Professional Surveyor  Certificate No. Gary L. Jones 7977 BASIN SURVEYS

SECTION 13, TOWNSHIP 16 SOUTH, RANGE 36 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO.



100 0 100 200 FEET

SCALE: 1" = 100'

Bass Enterprises Prod. Co.

REF: Monteith "C" No. 1 / Well Pad Topo

THE MONTEITH "C" No. 1 LOCATED 660' FROM THE
NORTH LINE AND 1830' FROM THE EAST LINE OF
SECTION 13, TOWNSHIP 16 SOUTH, RANGE 36 EAST,
N.M.P.M., LEA COUNTY, NEW MEXICO.

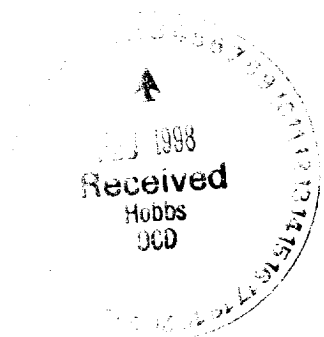
BASIN SURVEYS P.O. BOX 1786 - HOBBS, NEW MEXICO

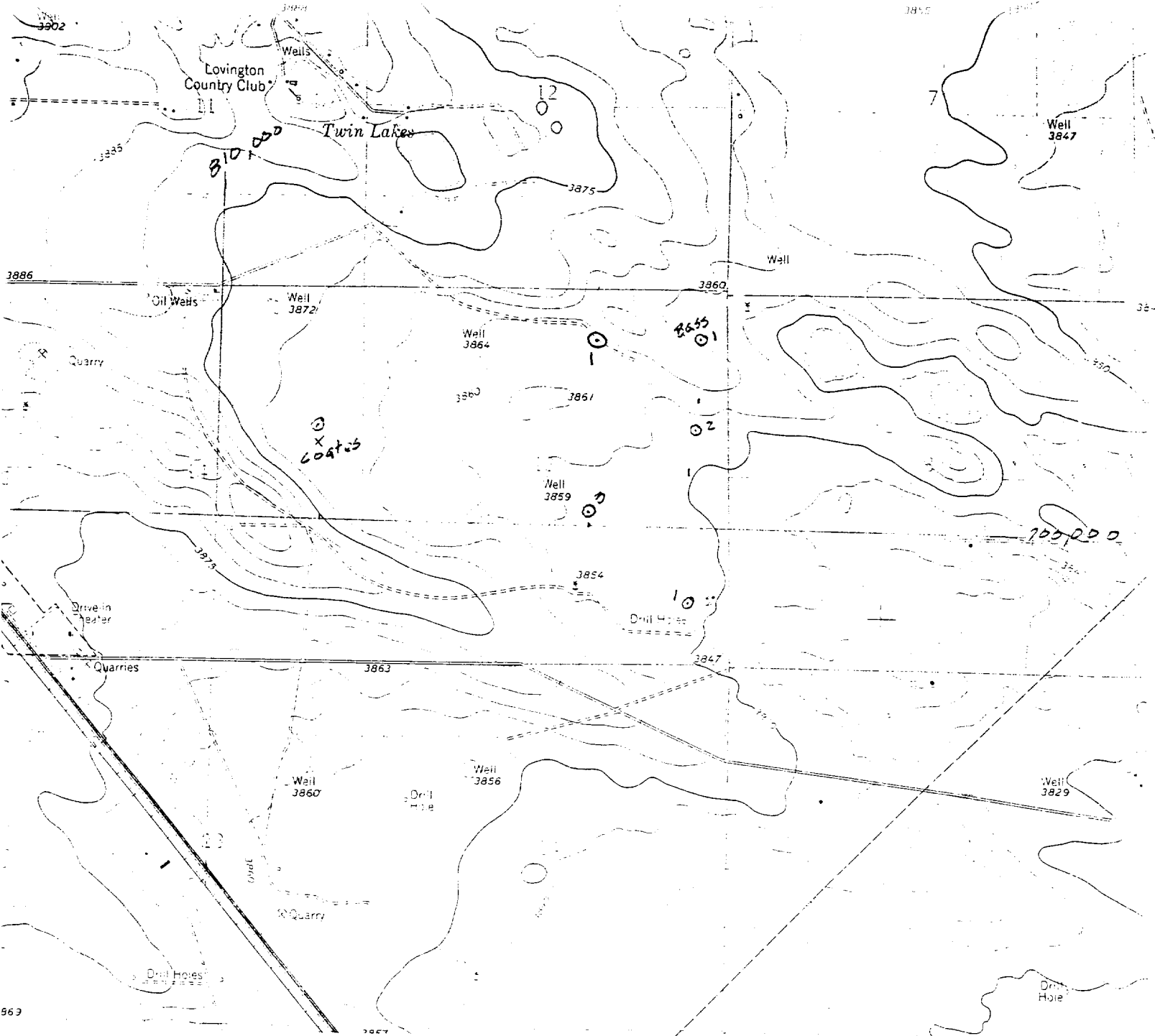
W.C. Number: 7741 Drawn By: K. GOAD

Date: 12-16-97 Disk: KJG #73 - 7741A.DWG

Survey Date: 12-15-97

Sheet 1 of 1 Sheets





BASS ENTERPRISES PROD. CO.
 MONTEITH "C" #1
 660' FNL & 1830' FEL
 Sec. 13, T-16-S, R-36-E,
 Lea County, New Mexico.



SCALE: 1"=2000'

BASIN SURVEYS

P.O. BOX 1786 - HOBBS, NEW MEXICO



W.O. Number: 7741	Drawn By: K. GOAD	Survey Date: 12-15-97	Sheet 1 of 1 Sheets
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**EIGHT POINT DRILLING PROGRAM
BASS ENTERPRISES PRODUCTION CO.**

NAME OF WELL: MONTEITH "C" NO. 1

LEGAL DESCRIPTION - SURFACE: 660' FNL & 1830' FEL, Section 13, T-16-S, R-36-E, Lea 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 3872' (est)
GL 3858'

<u>FORMATION</u>	<u>ESTIMATED TOP FROM KB</u>	<u>ESTIMATED SUBSEA TOP</u>	<u>BEARING</u>
T/Anhydrite	2212'	+ 1660'	Barren
T/Yates	3210'	+ 662'	Barren
T/San Andres	4902'	- 1030'	Oil/Gas
T/Glorietta	6372'	- 2500'	Oil/Gas
T/Tubb	7602'	- 3730'	Oil/Gas
T/Abo	8332'	- 4460'	Oil/Gas
T/Wolfcamp Pay	10,382'	- 6510'	Oil/Gas
T/Canyon Mkr	10,887'	- 7015'	Oil/Gas
T/Strawn	11,257'	- 7385'	Oil/Gas
TD	11,650'	- 7778'	

POINT 3: CASING PROGRAM

<u>TYPE</u>	<u>INTERVALS</u>	<u>PURPOSE</u>	<u>CONDITION</u>
11-3/4", 42#, WC-40, ST&C	0' - 350'	Surface	New
8-5/8", 28# & 32#, WC-50, ST&C	0' - 4,925'	Intermediate	New
5-1/2", 15.50# & 17#, K55, LT&C	0' - 11,650'	Production	New

POINT 4: PRESSURE CONTROL EQUIPMENT (SEE ATTACHED DIAGRAM)

A BOP equivalent to Diagram 1 will be nipped up on the surface casing head. When testing, the BOP stack, choke, kill lines, kelly cocks, inside BOP, etc. will be hydro-tested to 70% of internal yield of the casing. 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) Twenty days after a previous test
- d) As required by well conditions

Con't...

POINT 4: PRESSURE CONTROL EQUIPMENT (SEE ATTACHED DIAGRAM)

A function test of pipe and blind rams to insure that the preventers are operating correctly will be performed on each trip. A function test is required only a minimum of once every 24 hours. See the attached diagram for the minimum criteria for the choke manifold.

POINT 5: MUD PROGRAM

DEPTH	MUD TYPE	WEIGHT	FV	PV	YP	FL	Ph
0' - 350'	FW Spud	8.4 - 9.0	45-38	NC	NC	NC	9-10
350' - 4,925'	Brine	9.8-10.2	28-32	NC	NC	NC	9-10
4,925' - 10,200'	FW	8.4 - 9.0	28-30	NC	NC	NC	10
10,200' - 11,450'	FW/Starch	8.6 - 9.0	30-32	10	10	10-12	10

POINT 6: TECHNICAL STAGES OF OPERATION

A) TESTING

None anticipated.

B) LOGGING

GR-CNL from Intermediate casing point to surface.

GR-CNL-LDT-MSFL-DLL from TD to Intermediate casing point.

C) CONVENTIONAL CORING

None anticipated.

D) CEMENT

INTERVAL SURFACE	AMOUNT SXS	FT OF FILL	TYPE	GALS/SX	PPG	FT ³ /SX
0 - 350' (100% excess circ to surface)	275	350	Class "C" + 2% CaCl ₂	6.32	14.8	1.32
INTERMEDIATE						
0 - 4425'	1050	4425	35/65 Poz C +.6% gel + 5% Salt	11.84	12.4	2.14
4425 - 4925' (100% excess circ to surface)	200	500	Class C	6.32	14.8	1.32
PRODUCTION TAIL						
9800 - 11,650' (50% excess)	300	1850	Class "H" + 0.3% D13 + 3% 3% D44 + 1/4 gals/sx D155 + 0.05 gals/sx D604AM	8.80	14.0	1.66

E) DIRECTIONAL DRILLING

No directional services anticipated.

POINT 7: ANTICIPATED RESERVOIR CONDITIONS

Normal pressured formations are anticipated throughout this well.

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

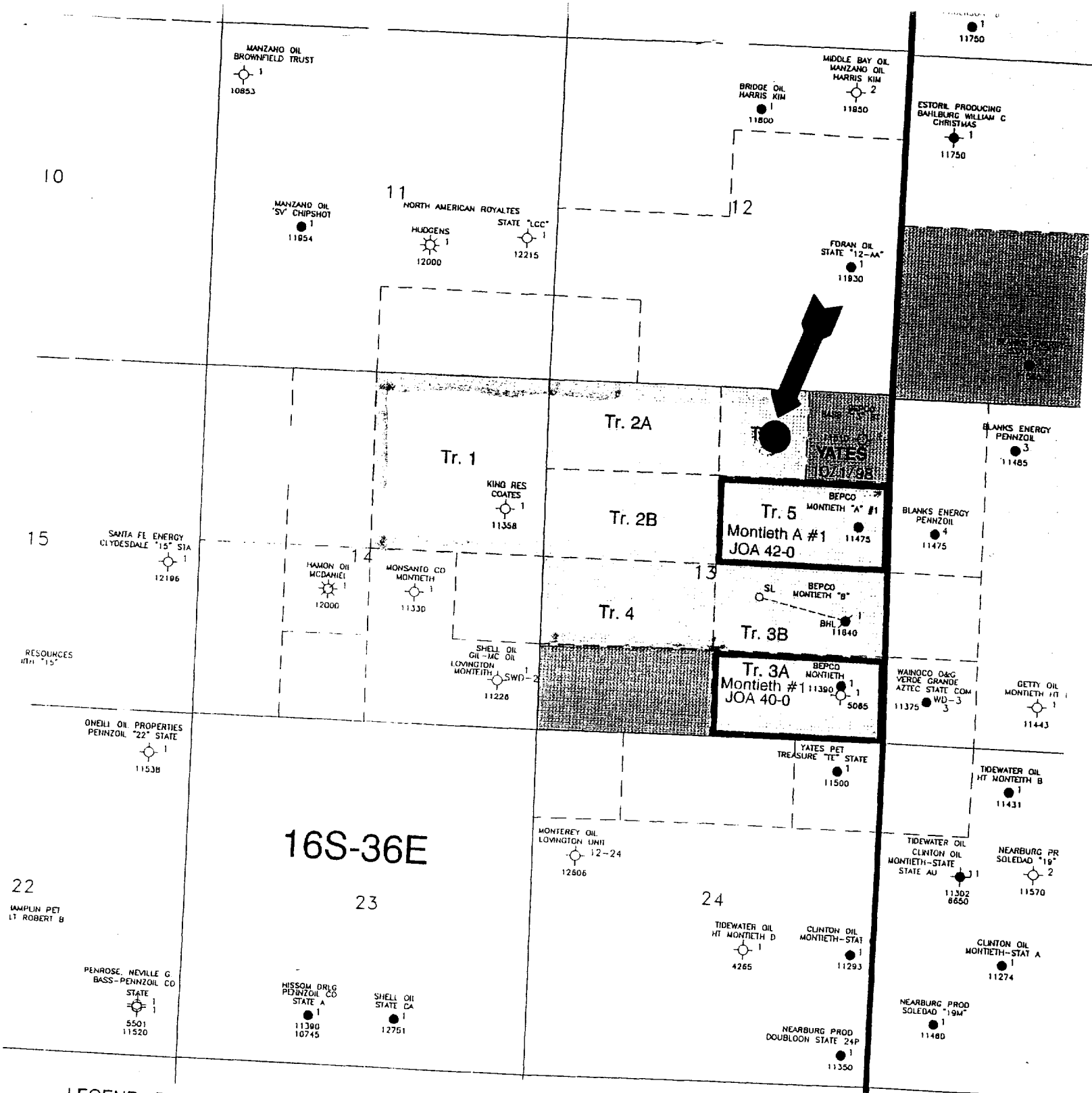
Upon approval

28 days drilling operations

7 days completion operations

FDC/mac
1/27/1998

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LEGEND - Bass Leasehold Interest

- ① Bass WI 26.40% NRI 20.97%
- ②A Bass WI 44.15% NRI 35.41%
- ②B Bass WI 46.26% NRI 36.56%
- ③A Bass WI 81.01% NRI 63.75%
- ③B Bass WI 56.98% NRI 45.08%
- ④ Bass WI 46.25% NRI 36.55%
- ⑤ Bass WI 57.10% NRI 45.89%
- ⑥ Bass WI 48.06% NRI 38.59%



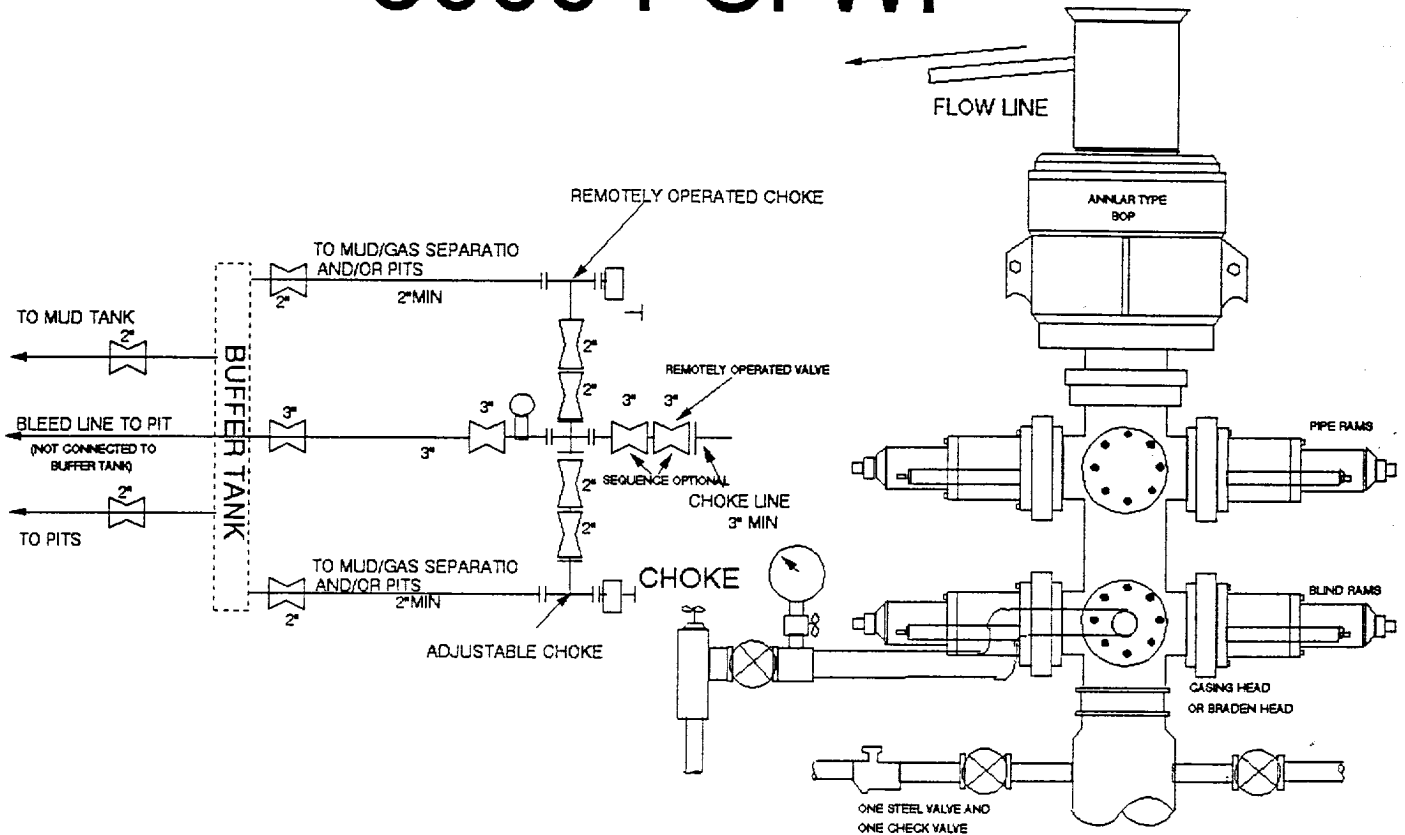
Bass Enterprises Production Co.

MONTIETH PROSPECT
 Lea County, New Mexico
SE Lovington Area

Bass Leasehold Interest

DATE:	9-17-97	SCALE:	1" = 2000'
DEPI:	Land	INTER BY:	M. Carjer
		FILE:	landplat.dwg
		DRAFTED BY:	P. Ortiz

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

5/27/99

Received
Campy