

District I  
PO Box 1980, Hobbs, NM 88241-1980  
District II  
811 S. 1st Street, Artesia, NM 88210-2834  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION  
2040 South Pacheco  
Santa Fe, NM 87505

Form C-101

Revised October 18, 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, PLUG BACK, OR ADD A ZONE

1 Operator name and Address Bass Enterprises Production Co. P.O. Box 2760 Midland, TX 79702-2760		2 OGRID Number 001801
4 Property Code 1786	5 Property Name JAMES RANCH UNIT	3 API Number 30-015-31004
		6 Well No. 67

7 Surface Location									
UL or lot no. L	Section 36	Township 22S	Range 30E	Lot. Idn	Feet from the 1980'	North/South Line SOUTH	Feet from the 1296'	East/West line WEST	County 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 Avalada Ridge <del>100 MEDANOS (DELAWARE)</del> , Southeast					10 Proposed Pool 2				

11 Work Type Code N	12 Well Type Code O	13 Cable/Rotary R	14 Lease Type Code S	15 Ground Level Elevation 3301'
16 Multiple N	17 Proposed Depth 8000'	18 Formation BONE SPRING	19 Contractor WEK RIG 1	20 Spud Date ASAP

21 Proposed Casing and Cement Program					
Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17-1/2"	13-3/8"	48#	540'	450 SX	SURFACE
11"	8-5/8"	28# & 32#	3800'	850 SX	SURFACE
7-7/8"	5-1/2"	15.5# & 17#	8000'	585 SX	3500' (300' INSIDE INTERMEDIATE CASING.)

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 DRILLING LOCATION WAS APPROVED TO DRILL ON 2/10/94. THE DRILLING PERMIT HAS SINCE EXPIRED. POTASH MINING COMPANIES WHO HAVE LEASES WITHIN ONE MILE OF THIS LOCATION HAVE BEEN NOTIFIED OF THE DRILLING LOCATION. SEE ATTACHED LETTER. NO RESPONSE HAS BEEN RECIEVED AT THIS TIME. THIS WELL IS INSIDE THE R-111 POTASH AREA. THE SURFACE CASING WILL BE SET +/- 100' ABOVE THE SALT IN THE RUSTLER. THE INTERMEDIATE CASING WILL BE SET INTO THE LAMAR LINE. CEMENT WILL TIE 300' INTO THE INTERMEDIATE CASING.

Notify OCD at SPUD & TIME to witness cementing the 13 3/8" & 8 5/8" casing.

R-111-P

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 SUPT.

OIL CONSERVATION DIVISION

Approved by: [Signature]

Title: District Supervisor

Approval Date: 3-10-00

Expiration Date: 3-10-01

BGA

DISTRICT I  
1025 N. French Dr., Hobbs, NM 88240

DISTRICT II  
811 South First, Artesia, NM 88210

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

DISTRICT IV  
2040 South Pacheco, Santa Fe, NM 87506

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-102  
Revised March 17, 1999

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

OIL CONSERVATION DIVISION

2040 South Pacheco  
Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name QUAHADA RIDGE (DELAWARE), SE
Property Code	Property Name JAMES RANCH UNIT	Well Number 67
OGRID No. 001801	Operator Name BASS ENTERPRISES PRODUCTION COMPANY	Elevation 3299'

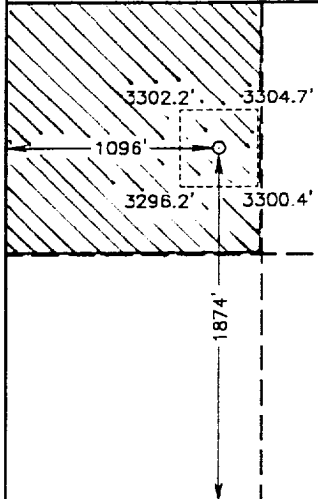
Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	36	22 S	30 E		1874	SOUTH	1096	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 40	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

<p>LAT - N 32°20'48.0"</p> <p>LONG - W 103°50'21.6"</p> 	<p>OPERATOR CERTIFICATION</p> <p>I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><u>William R. Dannels</u> Signature</p> <p>William R. Dannels Printed Name</p> <p>Division Drilling Supt. Title</p> <p>1-13-2000 Date</p> <p>SURVEYOR CERTIFICATION</p> <p>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.</p> <p>January 06, 2000 Date Surveyed</p> <p><u>William R. Dannels</u> Signature &amp; Seal of Professional Surveyor</p> <p>W.O. No. 0008A Certificate No. 7977</p> <p>BASIN SURVEYS</p>
--	---

Submit 3 Copies To Appropriate District  
Office  
District I  
1625 N. French Dr., Hobbs, NM 87240  
District II  
811 South First, Artesia, NM 87210  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources  
OIL CONSERVATION DIVISION  
2040 South Pacheco  
Santa Fe, NM 87505

Form C-103  
Revised March 25, 1999

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> (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.)	
1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>	WELL API NO. 50-015-31004
2. Name of Operator Bass Enterprises Production Co.	5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
3. Address of Operator P O Box 2760; Midland, Tx 79702-2760	6. State Oil & Gas Lease No. E-5229
4. Well Location Unit Letter <u>L</u> : <u>1874</u> feet from the <u>South</u> line and <u>1096</u> feet from the <u>West</u> line Section <u>36</u> Township <u>22S</u> Range <u>30E</u> NMPM County <u>Eddy</u>	7. Lease Name or Unit Agreement Name: James Ranch Unit
10. Elevation (Show whether DR, RKB, RT, GR, etc.) GL = 3299'	8. Well No. 67
9. Pool name or Wildcat Quahada Ridge (Dela), SE	

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐  
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐  
PULL OR ALTER CASING ☐ MULTIPLE COMPLETION ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐  
CASING TEST AND CEMENT JOB ☐

OTHER: ☐

OTHER: Re-staked well. moved location ☒

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. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

The James Ranch Unit #67, originally located 1980' FSL & 990' FWL, Section 36, T22S, R30E, was moved to the above referenced location. This move was in response to the letter dated 11/3/99 from John Percell, Chief Mine Engineer w/IMC Kalium. The location was moved per their recommendation 150' Southeast of the original stake. A non-standard location application will be filed with the OCD in Santa Fe.

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 1-13-2000

Type or print name W. R. Dannels

Telephone No. 915-683-2277

(This space for State use) **ORIGINAL SIGNED BY TIM W. GUM**  
**DISTRICT II SUPERVISOR**

APPROVED BY BG TITLE \_\_\_\_\_ DATE 3-10-00

Conditions of approval, if any:

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  
State Lease - 4 Copies  
Fee Lease - 3 Copies

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

OIL CONSERVATION DIVISION

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

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name LOS MEDANOS (DELAWARE)
Property Code	Property Name JAMES RANCH UNIT	Well Number 67
OGRID No. 001801	Operator Name BASS ENTERPRISES PRODUCTION COMPANY	Elevation 3301'

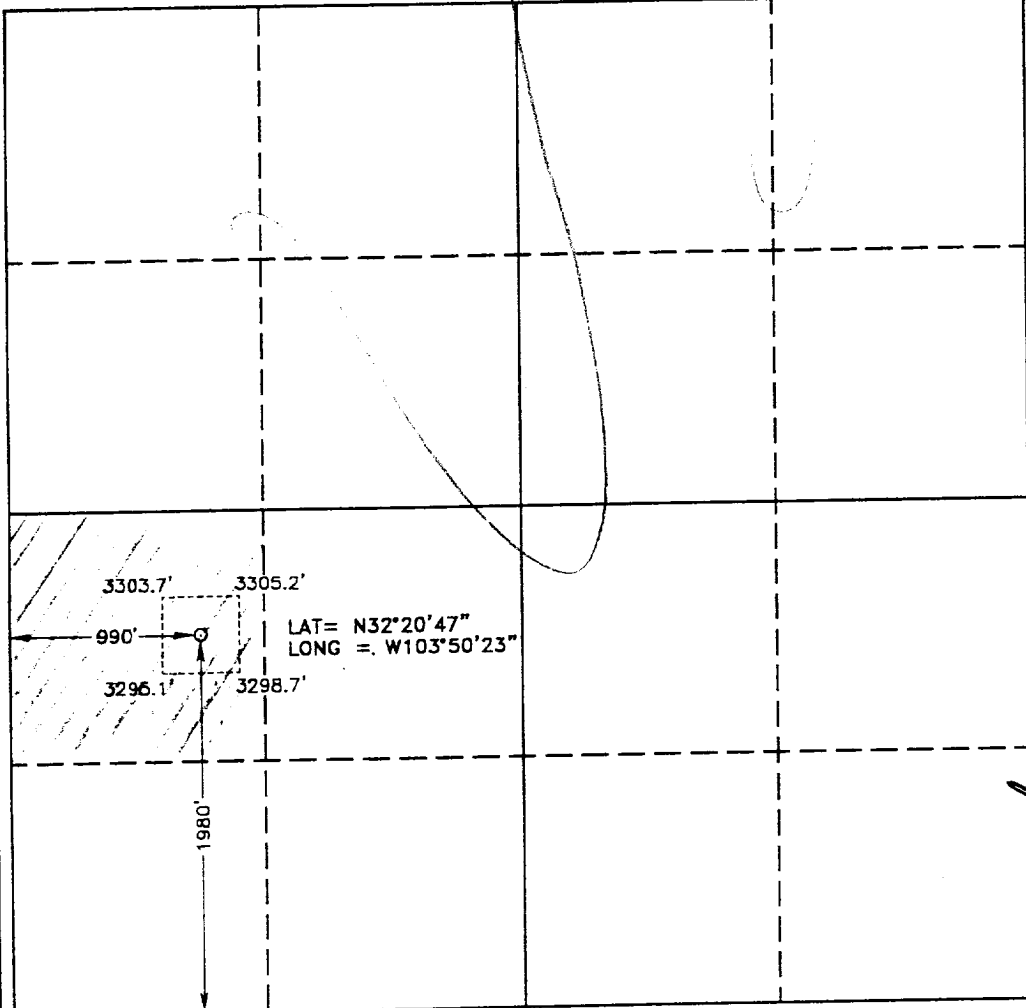
Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	36	22 S	30 E		1980	SOUTH	990	WEST	EDDY

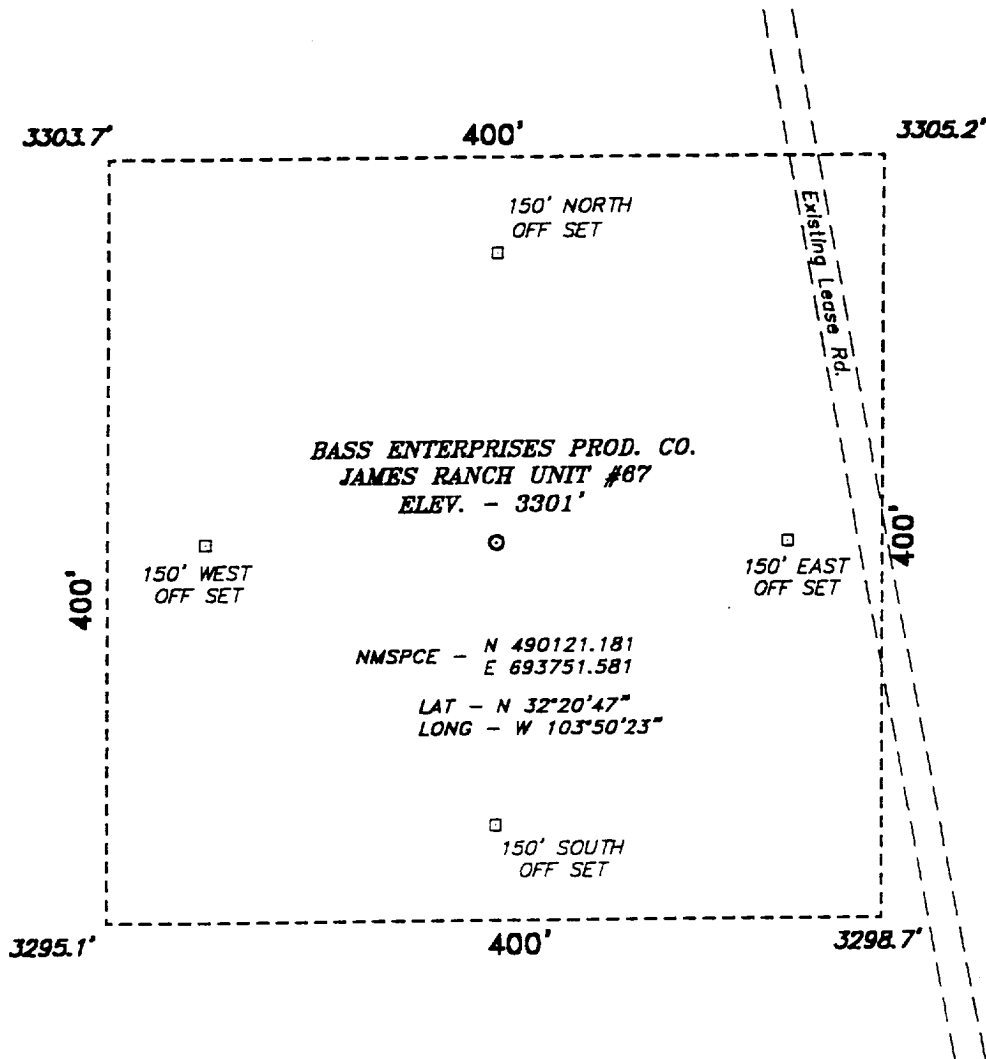
Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres 40	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

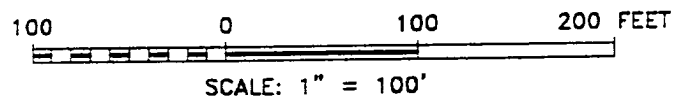
	<p><b>OPERATOR CERTIFICATION</b></p> <p>I hereby certify the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>William R. Dannels</i> Signature WILLIAM R. DANNELS Printed Name DIVISION DRILLING SUPT. Title OCTOBER 18, 1999 Date</p>
	<p><b>SURVEYOR CERTIFICATION</b></p> <p>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.</p> <p>September 30, 1999 Date Surveyed Signature &amp; Seal of Professional Surveyor Professional Surveyor W.O. No. 9347 Certificate No. 7977 BASIN SURVEYS</p>

**SECTION 36, TOWNSHIP 22 SOUTH, RANGE 30 EAST, N.M.P.M.,  
EDDY COUNTY, NEW MEXICO.**



**DIRECTIONS TO LOCATION:**

FROM THE STATE HWY. 128 AND CO. RD. 802  
JUNCTION. GO NORTH ON CO. RD. 802 APPROX. 1.5  
MILE TO A POINT WHICH LIES APPROX 1.0 MILE TO  
THE PROPOSED WELL LOCATION.



**BASS ENTERPRISES PROD. CO.**

REF: James Ranch Unit No. 67 / Well Pad Topo

THE JAMES RANCH UNIT No. 67 LOCATED 1980' FROM THE  
SOUTH LINE AND 990' FROM THE WEST LINE OF  
SECTION 36, TOWNSHIP 22 SOUTH, RANGE 30 EAST,  
N.M.P.M., EDDY COUNTY, NEW MEXICO.

**Basin Surveys** P.O. BOX 1786-HOBBS, NEW MEXICO

W.O. Number: 9347 Drawn By: **K. GOAD**

Survey Date: 09-30-99 Sheet 1 of 1 Sheets





**EIGHT POINT DRILLING PROGRAM  
BASS ENTERPRISES PRODUCTION CO.**

**NAME OF WELL: JAMES RANCH UNIT #67**

**LEGAL DESCRIPTION - SURFACE:** 1980' FSL & 990' FWL, Section 36, T-22-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 3315' (est)  
GL 3301'

<u>FORMATION</u>	<u>ESTIMATED TOP FROM KB</u>	<u>ESTIMATED SUBSEA TOP</u>	<u>BEARING</u>
T/Rustler	220'	+3095'	Barren
T/Salt	640'	+2675'	Barren
T/Lamar	3788'	- 473'	Barren
T/Ramsey	3828'	- 513'	Barren
T/Brushy Canyon	6292'	- 2977'	Oil/Gas
T/Shell Marker	6632'	- 3317'	Oil/Gas
T/8A Lower Brushy	7342'	- 4027'	Oil/Gas
T/Bone Spring	7222'	- 4307'	Oil/Gas
TD	8000'	- 4685'	

**POINT 3: CASING PROGRAM**

<u>TYPE</u>	<u>INTERVALS</u>	<u>PURPOSE</u>	<u>CONDITION</u>
13-3/8", 48#, WC-40, STC	0- 540'	Surface	New
8-5/8", 28# & 32#, WC-50, STC	0-3800'	Intermediate	New
5-1/2", 15.50# & 17#, K-55, LTC	0-8000'	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 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 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 #1 for the minimum criteria for the choke manifold.

<u>DEPTH</u>	<u>MUD TYPE</u>	<u>WEIGHT</u>	<u>FV</u>	<u>PV</u>	<u>YP</u>	<u>FL</u>	<u>Ph</u>
0' - 540'	FW Spud	8.4 - 9.0	45-38	NC	NC	NC	9.5
540' - 3800'	Brine	9.8 - 10.0	28-30	NC	NC	NC	9.5
3800' - 6300'	FW	8.4 - 8.6	28-30	NC	NC	NC	9.5
6300' - 7600'	FW/Starch	8.4 - 8.6	28-30	NC	NC	<100	9.5
7600' - TD	FW/Gel/Starch	8.4 - 8.7	32-42	NC	NC	<100	9.5

D) CEMENT

INTERVAL	AMOUNT SX	FT OF FILL	TYPE	GALS/SX	PPG	FT <sup>3</sup> /SX
0-240'	140	240	Interfill C + 1/4#/sx Flocele + 2% CaCl <sub>2</sub>	14.35	11.9	2.49
240-580'	310	300	Class C + 2% CaCl <sub>2</sub>	6.31	14.8	1.34
(100% excess circ to surface)						

<u>INTERVAL</u>	<u>AMOUNT SX</u>	<u>FT OF FILL</u>	<u>TYPE</u>	<u>GALS/SX</u>	<u>PPG</u>	<u>FT<sup>3</sup>/SX</u>
Lead						
0-3500'	710	3500	Interfill C + 2% CaCl <sub>2</sub>	14.4	11.9	2.49
Tail						
3500'-3800'	140	300	Class C Neat	6.31	14.8	1.34
(100% excess in open hole)						

Con't...

## POINT 6: TECHNICAL STAGES OF OPERATION

### D) CEMENT Con't...

#### PRODUCTION

<u>INTERVAL</u>	<u>AMOUNT SX</u>	<u>FT OF FILL</u>	<u>TYPE</u>	<u>GALS/SX</u>	<u>PPG</u>	<u>FT<sup>3</sup>/SX</u>
Lead						
3500'-5600' (50% excess)	200	2100	Interfill C	16.58	11.5	2.77
TAIL						
5600-8000' (50% excess)	385	2400	Super H + 3#/sx Salt + 4/10% Halad 344 + 3/10% CFR-3	8.67	13.0	1.65

### E) DIRECTIONAL DRILLING

No directional services anticipated.

## POINT 7: ANTICIPATED RESERVOIR CONDITIONS

Normal pressured formations (8.3 ppg MWE) are anticipated throughout this well. No H<sub>2</sub>S is expected. BHT expected is 125°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

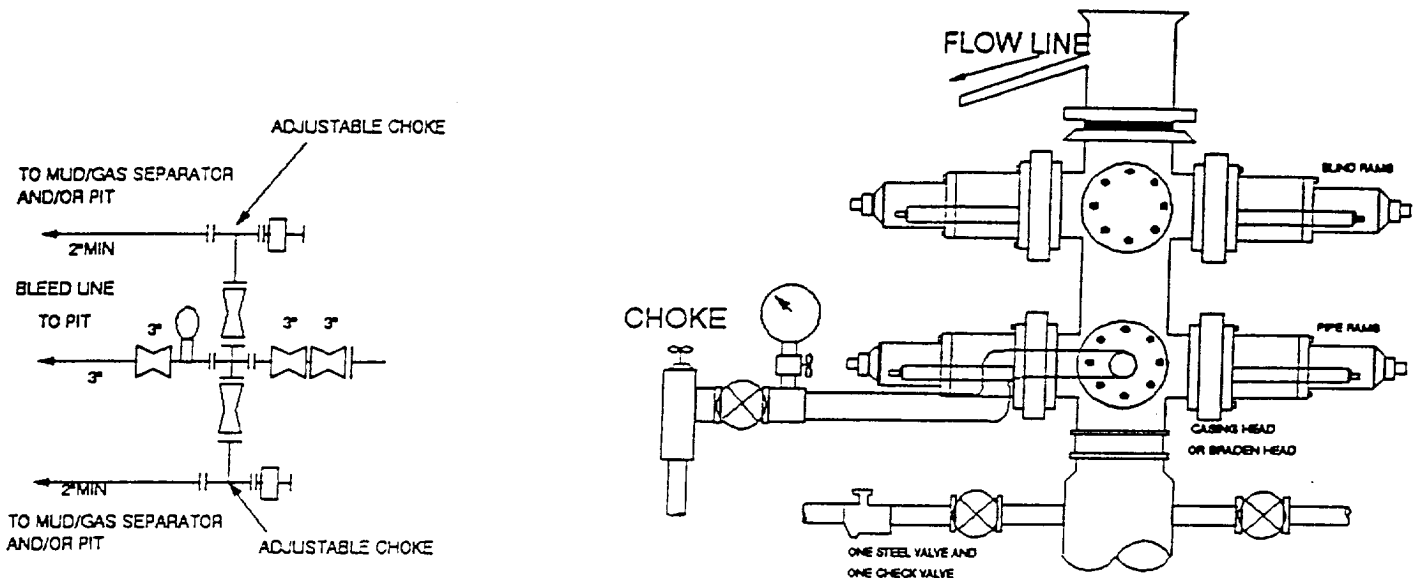
Upon approval

16 days drilling operations

10 days completion operations

FDC/mac  
10/19/99

# 3000 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.

## BASS ENTERPRISES PRODUCTION CO.

201 MAIN ST.

FORT WORTH, TEXAS 76102-3131

817/330-8400

October 14, 1999

U.S. MAIL & VIA FACSIMILE (505) 887-0589

IMC Kalium, Inc.

P. O. Box 71

Carlsbad, New Mexico 88221-0071

Attn: Mr. John Purcell

Re: Proposed Wells in James Ranch Federal Unit  
Section 36, T23S-R30E (State Lease No. E-5229)  
Section 1, T23S-R30E (Fed Lease No. NM 02887-D, NM 02884-B)  
JRU Nos. 31, 32, 38, 63, 67 and 80  
Eddy County, New Mexico

Dear Mr. Purcell:

Pursuant to our discussion, Bass Enterprises Production Co. has plans to drill six (6) wells within the James Ranch Federal Unit in Eddy County, New Mexico. Provided below are the well names, location and projected depths.

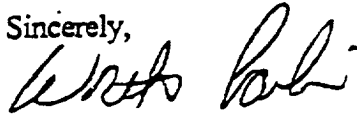
<u>Well Name</u>	<u>Proposed Depth</u>	<u>Proposed Location</u>
JRU Well No. 31	7,780' (Delaware)	1,980' FNL & FEL, Sec. 36, T22S-R30E
JRU Well No. 32	7,780' (Delaware)	760' FSL, 2,000' FEL, Sec. 36, T22S-R30E
JRU Well No. 38	7,810' (Delaware)	660' FEL, 1,980' FSL, Sec. 1, T23S-R30E
JRU Well No. 63	7,750' (Delaware)	660' FNL, 1,980' FWL, Sec. 1, T23S-R30E
JRU Well No. 67	7,750' (Delaware)	990' FWL, 1,980' FSL, Sec. 36, T22S-R30E
JRU Well No. 80	11,250' (Wolfcamp)	330' FNL, 1,650' FEL, Sec. 36, T22S-R30E

As requested, I have enclosed copies of previous correspondence from Western AG-Minerals Company dated March 17, 1993 and February 28, 1996 regarding acceptable locations in Section 36, T22S-R30E.

Letter to IMC  
October 14, 1999  
Page 2

Bass hereby requests a waiver of any objection IMC may have for the drilling of the above described wells. In the event IMC is agreeable to providing such waiver, please sign this letter in the space provided below and return one (1) executed original to the undersigned at your earliest convenience. Thank you very much and should you have any questions or comments in the above regard, please don't hesitate to contact the undersigned at (817) 390-8568.

Sincerely,



Worth Carlin

WWC:ca

AGREED and ACCEPTED this \_\_\_\_\_ day of \_\_\_\_\_, 1999.

IMC KALIUM, INC.

By: \_\_\_\_\_

Title: \_\_\_\_\_



WESTERN  
AG-MINERALS  
COMPANY

*Johns JRL-67*  
*Branch Title Rec*  
*Wend*

P. O. Box 511, Carlsbad, New Mexico 88220 • (505) 885-3175 FAX 887-0943

887-3476

March 17, 1993

Jens Hansen  
Bass Enterprises Production Co.  
First City Bank Tower  
201 Main St  
Fort Worth, Texas 76102

Re: Section 36, T22S R30E  
Eddy County, New Mexico

LAND RECEIVED	
MAR 22 1993	
WAM	WFM
STW	JWB
✓	DOC
RAM	HBF
LWW	WRS
	SF

*Jim!*

Dear Hansen:

I cannot release a trace of our LMR in section 36. I will, however, indicate those areas in section 36 where Western Ag-Minerals will not protest drilling of holes requiring a 1/4 mile buffer. Hole locations in the NE 1/4, SE 1/4, and 920' or more from the west line in the SW 1/4 will not be protested.

Any well locations in the NW 1/4 will be protested because they will result in further loss of potash reserves.

If I can be of more assistance or if you have any questions don't hesitate to call. I can be reached at (505) 887-3476.

Sincerely,

*Ben F Zimmerly*  
Ben F. Zimmerly  
Mining Engineer

BFZ/bfz

cc: R. H. Heinen  
M. T. Worley



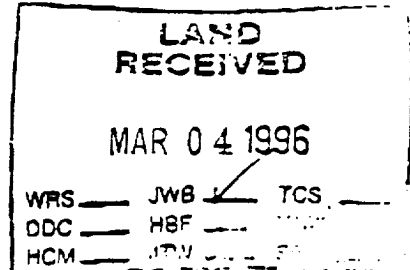
**WESTERN  
AG-MINERALS  
COMPANY**

P. O. Box 511, Carlsbad, New Mexico 88220 • (505) 885-3175

February 28, 1996

Worth Carlin  
Bass Enterprises Production Co.  
201 Main St  
Fort Worth, Texas 76102-3131

Re: Section 36, T22S R30E  
Section 6, T22S R31E  
James Ranch Wells No. 65, 66 and 67  
Eddy County, New Mexico



Dear Carlin:

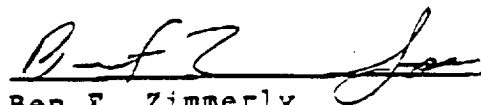
Western Ag-Minerals does not protest the location of James Ranch 65.

Western Ag-Minerals does protest the locations of both James Ranch No. 66 (990' FWL and 660' FSL, section 36 T22S R30E) and James Ranch No. 67 (990' FWL and 1980' FSL, section 36 T22S R30E.) Well No. 66 is within a half mile of open mine workings and Western Ag-Minerals' LMR. Well No. 67 is within a half mile of Western Ag-Minerals' LMR.

Western Ag-Minerals would not protest a location of 2010' FWL and 660' FSL, section 36 T22S R30E for James Ranch Well No. 66. Nor would we protest a location of 1524' FEL and 1980' FSL, section 36 T22S R30E for James Ranch Well No. 67.

If I can be of more assistance or if you have any questions don't hesitate to call. I can be reached at (505) 887-3476.

Sincerely,

  
Ben F. Zimmerly  
Sr. Mining Engineer

BFZ/bfz

cc: R. H. Heinen

BLM - Carlsbad Office