District I 1625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Avenue, Artesia, NM 88210 District Ill

1000 Rio Brazos Road, Aztec, NM 87410

NOTIFY OCD OF SPUD & TIME TO WITNESS CEMENTING OF SURFACE & INTERMEDIATE CASING

Form C-101 May 27, 2004

RECEIVED

Submit to appropriate District Office
JAN 1 4 7006

BEARING ZONES

District IV 1220 S. St. Fr	ancis Dr.,	Santa Fe, N	M 87505		1 44	Santa	Fe, NN			ÖC	D-ANTE	OM	∐ AN	MENDED REPORT
APP	LICAT	IONFO	OR PERMI	г то <u>р</u>	RILL	, RE-E	<u>NTE</u>	R, DE	CEPE.	N,P	LUGBA	CK,C	OR AD	D A ZONE
Bass Enter	rprises Pi	oduction	OperatorNam	e and Addre	ess					0	01801		ID Numbe	er
P. O. Box	2760 - N	1idland, 1	exas 79702								30- 0 /3		Number	
						PropertyN	lame				<u> </u>			ll No.
18	409		Remuda	Basin 2	4 State								5	
Nach Dray	v (Dalaw	ora) /B	Proposed Pool 1	<i>(</i>)	, ,		47	745			10 Prop	osedPoo	12	
Nasii Diav	V (Delaw	are) / 15	err Sbrine	CAU	7	urface l	ocati	on	<u> </u>					4.4
UL of lot por	Section	Township	Range	Lot		Feet from			outh line	Fe	eet from the	East/	Westline	County
\times $+$ 1	24	23S	29E		1	1730		North		860		East		Eddy
			⁸ Prop	osed Bott	tom Hol	e Locati	ion If D	ifferen	t From	Surfa	ice			
UL or lot no.	Section	Township	1	Lot		Feet from			outh line	T	eet from the	East/	Westline	County
			!	A	ddition	nal We	ll Info	mati	on					
	Type Code		12 Well Type Co			13 Cable/				14 Lease	Type Code			und Level Elevation
N	1 ultiple	0	17 Proposed De	_4L	R	18 Form	-41		R	19 0	ontractor	_ 3	3018'	²⁰ Spud Date
No	luitipie	750		ptn	Delaw		ation		Adobe		ontractor		06/1	5/2006
Depth to Gro	undwater		54'	Distan	cefrom ne						Distance from	n nearest	surfacew	ater
Pit: Liner	: Synthetic	X 12	milsthick Clay	Pit Vo	lume:115	500 _{bbls}	270		ngMetho	 od:			N	one in area
	xd-Loop Sys		, ·						-		X Diesel/C	N-based	X Gas/	Air 🗍
		$\overline{}$		1 D	10-						1710.1017	71-1411-1511	LLE CIES	
	er /	ns'			sed Ca					am				
Hole S	Size		asing Size		ng weight/	foot		tting De	epth	-	Sacks of Ce	ment		Estimated TOC
14-3/4"		11-3/4"		42#			390'			280		Surface Surface		
7-7/8"		8-5/8" 5-1/2"		32# 15.5# &	. 17#		3265' 7500'			750			3100'	
7-7/8		3-1/2		13.5# &	2 1 /#		7300			13	<u>U</u>		3100	
										_				
²² Describe t	he propose	d program.	If this application	is to DEEP	EN or PL	UG BAC	K, give th	ne data o	on the pre	esent p	roductive zone	and pro	posed nev	w productive zone.
			ogram, if any. Use									-		•
The 11-3/4	" casing	will be se	t in the Red B	ed section	n of the	Basal F	Rustler i	format	ion and	d cem	ented to su	rface. '	The 8-5	/8"
intermedia	te casing	will be se	t in the Red Bet at least 100' R 111-P New Mexico.	below th	e base o	of the sa	<u>l</u> t.							
Surface is	wned by	tate of	K· III- P New Mevico	This wel	l is loca	ted with	in the l	RW.	rea					PLAN MUST
Surface is v	owned by	State of	inew inexico.	THIS WCI	1 15 1004	iica wiii	י א	111-	D					PRIOR TO THE
l .			Carlsbad, Inc.					,	,					NT OF ATIONS.
waivei iio	III MIOSAI	C Potasii v	Carisbad, Inc.	attached.	•						CLUS	UKE	OPER	A HONS.
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R.	111-	P					ماد	_						
			on given above is t				130	7	OIL	CON	SERVAT	C#OM	DIVAS	ION
			er certify that th D guidelines 🔼, :				Approv	ed by:			soul l	-		Come)
an (attached	l) alternati	ve OCD-ap	proved plan .	- 9 p		-, 0.	rippiov	- - 03.		ر آ		77	Se	00000000000000000000000000000000000000
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Title:			Assistant	<u>no cr</u>	~~ \	1/ 1/2	Approv		FEB '	20		xpiratio		B 2 0 2007
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Date: 01/	11/2006		Phone:	<u>(432)683</u>	3-2277		Condition	onsof A	pproval A	- 1	OIL, GA			

DISTRICT I 1625 N. Prench Dr., Hobbs, NM 88240 DISTRICT II 811 South First, Artesia, NM 88210

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

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

DISTRICT IV 2040 South Pacheco, Santa Fe, NM 87505

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 Code Pool Name			
	j	Nash Draw (Delaware)/	Some Sorine (Auglen)	band	
Property Code	Prop	Well Number			
	REMUDA BAS	5			
OGRID No.	Opera	ator Name	Elevation		
001801	BASS ENTERPRISES	PRODUCTION COMPANY	3018'		

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Н	24	23 S	29 E		1730	NORTH	860	EAST	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			Code Or	der No.				· · · · · · · · · · · · · · · · · · ·	
40	N			1					

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.
	 	1730'-	AB/L F/WRD
161.69		161.69 pcres	W.R. DANNELS Printed Name DIVISION DRILLING SUPT.
		LAT - N32°17'34.6" LONG - W103°55'56.77	12/12/05
		7 / 7	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.
161.37	acres — — — —	 	NOVEMBER 30, 2005 Date Surgeof Rev L. JONES Signature & Seal of
			Protessional Surveyor
			Certificate No. Con L. Doges 7977 RISIN SURVEYS

SECTION 24, TOWNSHIP 23 SOUTH, RANGE 29 EAST, N.M.P.M., EDDY COUNTY. NEW MEXICO.

> 150' NORTH OFF SET 3014.7'

Prop. Lease Rd. 1120'

—To Remuda Basin #4

150' WEST OFF SET 710

BASS ENTERPRISES PROD. CO. REMUDA BASIN "24" STATE #5

ELEV. - 3018'

Lat.-N 32*17'34.8" Long-W 103*55'56.7" 150' EAST □ OFF SET 3019.3'

150' SOUTH OFF SET 3018.0 •

DIRECTIONS TO LOCATION:

FROM THE JUNCTION OF STATE HWY 128 AND CO. RD. 793, GO SOUTH FOR 3.1 MILES TO PROPOSED LEASE ROAD.

100 100 200 FEET SCALE: 1" = 100'

BASS ENTERPRISES PRODUCTION CO.

REMUDA BASIN "24" STATE No. 5 / Well Pad Topo REF: REMUDA BASIN "24" STATE No. 5 LOCATED 1730' FROM THE NORTH LINE AND 860' FROM THE EAST LINE OF SECTION 24, TOWNSHIP 23 SOUTH, RANGE 29 EAST,

N.M.P.M., EDDY COUNTY, NEW MEXICO.

RASIN SURVEYS P.O. BOX 1786 -HOBBS, NEW MEXICO W.O. Number: 6008 K. GOAD

Date: 12-07-2005

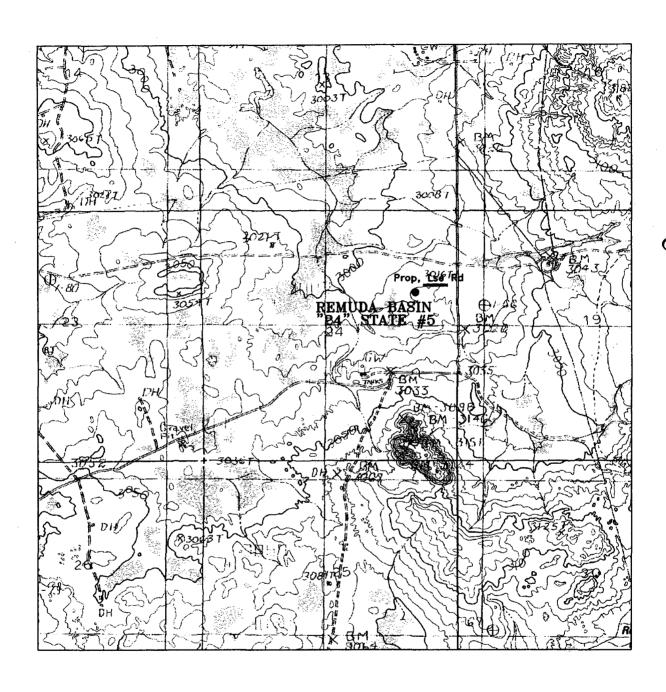
Disk: KJG CD#7 -

Drawn By: 6008A.DWG

Survey Date: 11-30-2005

Sheet

Sheets



REMUDA BASIN "24" STATE #5 Located at 1730' FNL and 860' FEL Section 24, Township 23 South, Range 29 East, N.M.P.M., Eddy County, New Mexico.



P.O. Box 1786 1120 N. West County Rd. Hobbs, New Mexico 88241 (505) 393-7316 — Office (505) 392-3074 — Fax basinsurveys.com

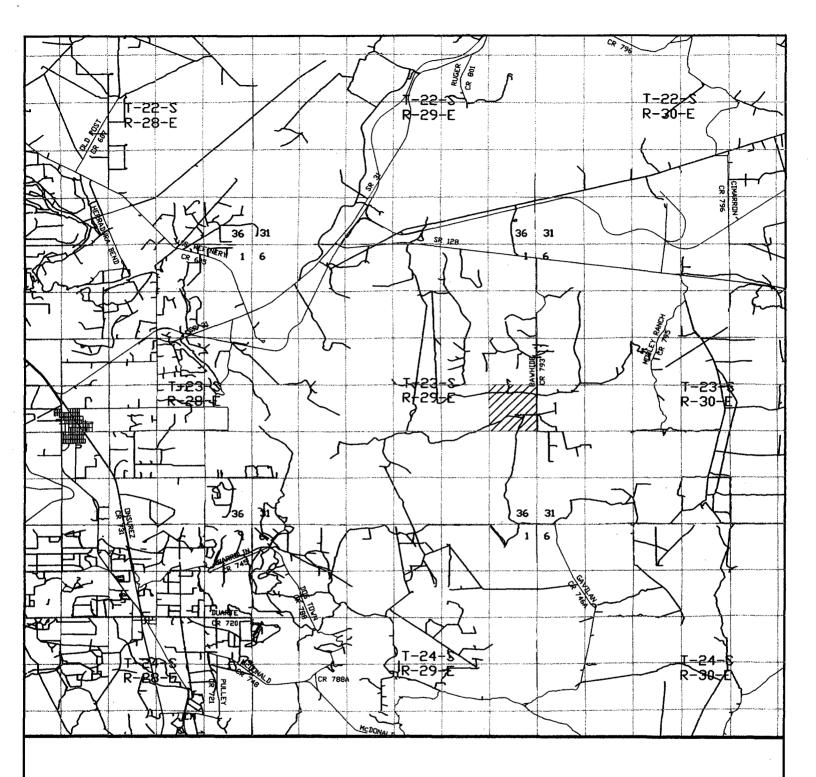
W.O. Number: 6008AA - KJG #7

Survey Date: 11-30-2005

Scale: 1" = 2000'

Date: 12-07-2005

BASS ENTERPRISES PRODUCTION CO.



REMUDA BASIN "24" STATE #5 Located at 1730' FNL and 860' FEL Section 24, Township 23 South, Range 29 East, N.M.P.M., Eddy County, New Mexico.

Date: 12-07-2005



P.O. Box 1786 1120 N. West County Rd. Hobbs, New Mexico 88241 (505) 393-7316 — Office (505) 392-3074 — Fax basinsurveys.com

W.O. Number:	6008AA - KJG #7
Survey Date:	11-30-2005
Scale: 1" = 2	MILES

BASS ENTERPRISES PRODUCTION CO.

EIGHT POINT DRILLING PROGRAM BASS ENTERPRISES PRODUCTION CO.

NAME OF WELL: Remuda Basin 24 State #5

LEGAL DESCRIPTION - SURFACE: 1730' FNL & 860' FEL, Section 24, T-23-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 3035' (est)

GL 3018'

	ESTIMATED	ESTIMATED	
FORMATION	TOP FROM KB	SUBSEA TOP	BEARING
T/Rustler	Not Present	Not Present	
B/Rustler	395'	+2640'	Barren
T/Salt	410'	+2625'	Barren
B/Salt	3025'	+ 10'	Barren
T/Lamar	3250'	- 215'	Barren
T/Ramsey	3280'	- 245'	Oil/Gas
T/Lwr Brushy Canyon	6730'	-3695'	Oil/Gas
T/"Y" Sand	6910'	-3875'	Oil/Gas
TD	7500'	-4465'	

POINT 3: CASING PROGRAM

TYPE	<u>INTERVALS</u>	<u>PURPOSE</u>	CONDITION
16"	0' - 60'	Conductor	Contractor Discretion
11-3/4", 42#, WC-50,ST&C	0' - 390'	Surface	New
8-5/8", 32#, WC-50, LT&C	0' - 3265'	Intermediate	New
5-1/2", 15.5#, K-55, LT&C	0' - 6000'	Production	New
5-1/2", 17#, K-55, LT&C	6000' - 7500'	Production	New

POINT 4: PRESSURE CONTROL EQUIPMENT (SEE ATTACHED DIAGRAM)

A BOPE consistent with API RP-53 will be nippled up on the surface casing head. The BOP stack, choke, kill lines, kelly cocks, inside BOP, etc. when installed on the surface casing head will be hydro-tested to 70% of internal yield pressure of casing or 1000 psig whichever is less with the rig pump. The BOPE when rigged up on the intermediate casing spool will be tested to 3000 psig by independent tester. In addition to the high pressure test, a low pressure (200 psig) 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	<u>PV</u>	YP_	<u>FL</u>	<u>Ph</u>
0' - 400'	FW Spud Mud	8.5 - 9.2	45-35	NC	NC	NC	10.0
400' - 3265'	BW	10.0	28-30	NC	NC	NC	9.5-10.5
3265' - 6000'	FW	8.4 - 8.9	28-30	NC	NC	NC	9.5-10.5
6000' - 6900'	FW/ Starch	8.7 - 8.9	30-35	4	8	<100 cc	9.5-10.5
6900' - 7500'	FW/ Starch	8.7 - 8.9	40-45	4	8	<25 cc	9.5 - 10.5

^{*}Will increase vis for logging purposes only.

POINT 6: TECHNICAL STAGES OF OPERATION

A) TESTING

None anticipated.

B) LOGGING

GR-CNL-LDT-LLD from TD to base of Salt (+/- 3050'). GR-CNL from base of Salt to surface.

C) CONVENTIONAL CORING

None anticipated.

D) CEMENT

INTERVAL	AMOUNT SXS	FT OF FILL	TYPE	GALS/SX	<u>PPG</u>	FT ³ /SX		
SURFACE: Lead - 0 - 390' (100% excess) Circ cement to surfa	275 ace	390'	Premium Plus + 2% CaCl ₂ + 1/4# Flocele	6.33	14.8	1.35		
INTERMEDIATE: Lead - 0 - 2765' (200% excess) Circ cement to surfa	900 ace	2765'	Interfill C + 0.3% Halad R-322	14.11	11.9	2.45		
Tail - 2765 - 3265' (200% excess)	300	500'	Premium Plus + 2% CaCl ₂	6.37	14.8	1.35		
PRODUCTION: Lead - 3100 - 7500' (50% excess)	750	4400'	Premium Plus + 1% Zone Sealant 2000	6.32	11.9	1.65	COMPI Nitrogen 300/600 scf/bbl	RESSIVE: Strength 1200

E) DIRECTIONAL DRILLING

No directional services anticipated.

POINT 7: ANTICIPATED RESERVOIR CONDITIONS

Normal pressures are anticipated throughout Delaware section. A BHP of 3322 psi (max) or MWE of 8.7 ppg is expected. Lost circulation may exist in the Delaware Section from 3280 - 7500°. No H_sS is anticipated.

Estimated BHT is 140° 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

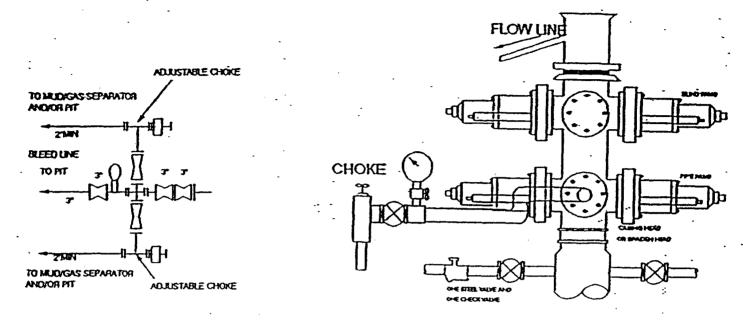
Upon approval

12 days drilling operations

14 days completion operations

LHS/mac January 10,2006

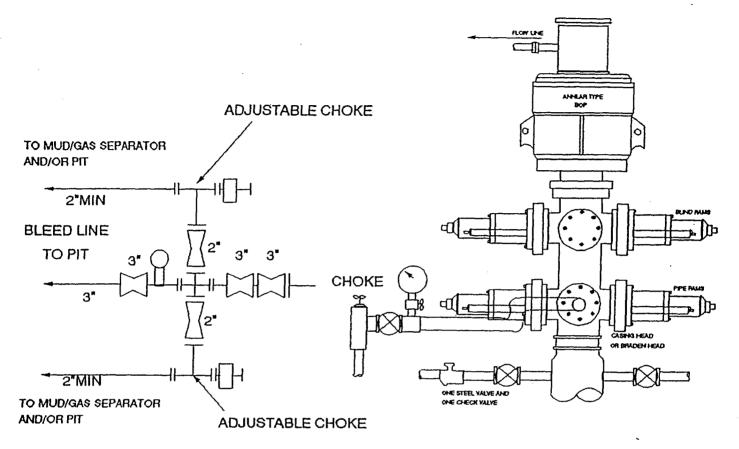
2000 PSI WP



THE FOLLOWING CONSTITUTE MINIMUM BLOWOUT PREVENTER REQUIREMENTS

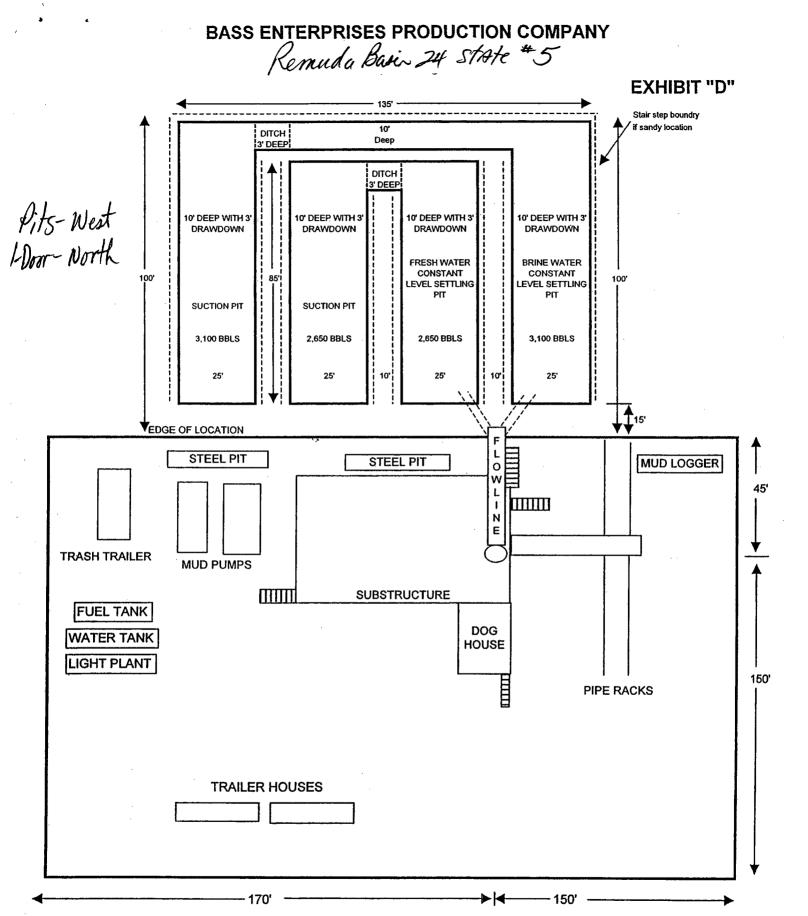
- A. One double gate blowout preventer with lower rams for pipe and upper rams blind, all hydraulically controlled.
- B. Opening on preventers between rams to be flanged, studded or clamped and at least two inches in diameter.
- C. All connections from operating manifold to preventers to be all steel 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.

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.
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- 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.





Mosaic Potash Carlsbad Inc. PO Box 71 1361 Potash Mines Road Carlsbad, NM 88220 www.mosaicco.com Tel 505-887-2871 Fax 505-887-0589

December 29, 2005

Mr. Brad Glasscock
Bass Enterprises Production Co.
201 Main Street
Fort Worth, TX 76102-3131
(817) 339-7185

JAN 0 9 2006

LAND DEPARTMENT

Dear Mr. Glasscock:

We are in receipt of your request dated 12/20/2005 concerning 5 well locations in Section 24, T-23-S, R-29-E. Mosaic Potash Carlsbad Inc. does have a potash lease ¼ mile from the northwest corner of this section.

All locations requested (Remuda Basin 24 State #4 thru #8) are further than ¼ mile from our LMR. However, all but #7 are located in measured ore as delineated by the BLM. This ore is economically mineable but not currently in the mine plan, several oil wells have already been drilled in the area. Mosaic Potash does not object to drilling at these locations.

As more information becomes available, our estimates of the extent of potash resources in any given area may change. Therefore, please consider this "no objection" to this location to be valid for one year only. If you are still considering this well location at a date later than one year from today, notify us again at that time so we can make the decision on information current at that time. Do not consider a "no objection offered" or an "objection offered" decision to be permanent.

Mosaic Potash submits this letter in lieu of the forms requested.

Sincerely.

Dan Morehouse

Mine Engineering Superintendent

cc: Don Purvis Charlie High Joe Lara

BASS ENTERPRISES PRODUCTION CO.

201 MAIN ST.
FORT WORTH, TEXAS 76102-3131
817/390-8400

January 9, 2006

RECEIVED

JAN I 1 2006

ULU-MATERIA

FEDERAL EXPRESS

Oil Conservation Division 1301 West Grand Artesia, New Mexico 88210

Attention: Bryan Arrant

Re: Mosaic Potash Carlsbad, Inc. Waiver of Objection to Location Letter

Eddy County, New Mexico

Dear Mr. Arrant:

Attached is a copy of the letter from Mosaic Potash Carlsbad, Inc. to Bass, stating that they do not object to the drilling of the Remuda Basin 24 State #4 thru #8 wells at their current locations. This "no objection" is valid from 12/20/05 for one year.

If you need anything further, please do not hesitate to call me at (817) 339-7185.

Very truly yours,

Brad Glasscock



Mosaic Potash Carlsbad Inc. PO Box 71 1361 Potash Mines Road Carlsbad, NM 88220 www.mosaicco.com Tel 505-887-2871 Fax 505-887-0589

December 29, 2005

Mr. Brad Glasscock
Bass Enterprises Production Co.
201 Main Street
Fort Worth, TX 76102-3131
(817) 339-7185

JAN 1 1 2006



Dear Mr. Glasscock:

We are in receipt of your request dated 12/20/2005 concerning 5 well locations in Section 24, T-23-S, R-29-E. Mosaic Potash Carlsbad Inc. does have a potash lease 1/4 mile from the northwest corner of this section.

All locations requested (Remuda Basin 24 State #4 thru #8) are further than ¼ mile from our LMR. However, all but #7 are located in measured ore as delineated by the BLM. This ore is economically mineable but not currently in the mine plan, several oil wells have already been drilled in the area. Mosaic Potash does not object to drilling at these locations.

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Sincerely,

Dan Morehouse

Mine Engineering Superintendent

cc: Don Purvis Charlie High Joe Lara



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON

Governor

Joanna Prukop

Cabinet Secretary

Mark E. Fesmire, P.E.
Director
Oil Conservation Division

January 6, 2006 New Mexico State Land Office 310 Old Santa Fe Trail Santa Fe, NM 87504-1148 Attn: Joe Mraz or To Whom It May Concern

JAN 0 9 7006

RE: APPLICATION FOR PERMIT TO DRILL IN POTASH AREA

OPERATOR:

Bass Enterprises Production Company

LEASE NAME:

Remuda Basin '24'State # 5

LOCATION:

SEC. 24, TOWNSHIP 23 SOUTH, RANGE 29 EAST,

1730' FNL & 860' FEL

EDDY COUNTY, NM, NMPM

PROPOSED DEPTH: 7500'

Dear Joe or To Whom It May Concern,

The application for permit to drill identified above has been filed with this office of the New Mexico Oil Conservation Division. Pursuit to the provisions of Oil Conservation Division Order R-111-P, please advise this office whether or not this application is within an established Life-of Mine Reserve area filed with and approved by your office. If not, please advise whether it is within the buffer zone established by this order. Thank you for your assistance.

Sincerely,

Bryan G. Arrant
PES, District II Artesia NMOCD

In LMR

Yes

No

Yes

No

X

No

X

No

X

Mm

Comments:



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON Governor

Joanna Prukop Cabinet Secretary

Mark E. Fesmire, P.E. Director **Oil Conservation Division**

THE COMMUNICATION IS LIBRAR

January 6, 2006 Bureau of Land Management 620 East Green St. Carlsbad, NM 88220 Attn: Craig Crantson or To Whom It May Concern

APPLICATION FOR PERMIT TO DRILL IN POTASH AREA RE:

RECEIVED

JAN I 0 2006 *NUMBER*

OPERATOR: LEASE NAME: **Bass Enterprises Production Company**

Remuda Basin '24'State # 5

LOCATION:

to be on the public

SEC. 24, TOWNSHIP 23 SOUTH, RANGE 29 EAST,

1730' FNL & 860' FEL

EDDY COUNTY, NM, NMPM

PROPOSED DEPTH: 7500'

Dear Craig or To Whom It May Concern,

The application for permit to drill identified above has been filed with this office of the New Mexico Oil Conservation Division. Pursuit to the provisions of Oil Conservation Division Order R-111-P, please advise this office whether or not this application is within an established Life-of Mine Reserve area filed with and approved by your office. If not, please advise whether it is within the buffer zone established by this order. Thank you for your assistance.

Sincerely,

Bryan G. Arrant PES, District II Artesia NMOCD

In LMR

In Buffer Zone

Yes

Comments:

Signature:

Date: