

DATE: 4/17/02	SUSPENSE: 3/7/02	ENGINEER: MS	LOGGED IN: KW	TYPE: NSL	PKRV APP NO: 0211331546
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ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
- Engineering Bureau -
1220 South St. Francis Drive, Santa Fe, NM 87505



ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Application Acronyms:

- [NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]
- [DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
- [PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]
- [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]
- [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
- [EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

[1] **TYPE OF APPLICATION** - Check Those Which Apply for [A]

- [A] Location - Spacing Unit - Simultaneous Dedication
 NSL NSP SD

APR 17 2002

Check One Only for [B] or [C]

- [B] Commingling - Storage - Measurement
 DHC CTB PLC PC OLS OLM

- [C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
 WFX PMX SWD IPI EOR PPR

- [D] Other: Specify _____

[2] **NOTIFICATION REQUIRED TO:** - Check Those Which Apply, or Does Not Apply

- [A] Working, Royalty or Overriding Royalty Interest Owners
- [B] Offset Operators, Leaseholders or Surface Owner
- [C] Application is One Which Requires Published Legal Notice
- [D] Notification and/or Concurrent Approval by BLM or SLO
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office
- [E] For all of the above, Proof of Notification or Publication is Attached, and/or,
- [F] Waivers are Attached

[3] **SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.**

[4] **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate and complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

James Bruce
Print or Type Name

James Bruce
Signature

Attorney for Applicant
Title

4/13/02
Date

JAMES BRUCE
P. O. BOX 1056
SANTA FE, NM 87504

jamesbruc@aol.com
e-mail Address

JAMES BRUCE
ATTORNEY AT LAW

POST OFFICE BOX 1056
SANTA FE, NEW MEXICO 87504

324 MCKENZIE STREET
SANTA FE, NEW MEXICO 87501

(505) 982-2043
(505) 982-2151 (FAX)

April 13, 2002

Michael E. Stogner
Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Dear Mr. Stogner:

Pursuant to Division Rule 104.F.(2), Bass Enterprises Production Co. applies for administrative approval of an unorthodox gas well location for the following well:

<u>Well:</u>	Remuda Basin 31 State Com. Well No. 1
<u>Surface Location:</u>	660 feet FSL & FWL
<u>Unit:</u>	W½ of Section 31, Township 23 South, Range 30 East, N.M.P.M., Eddy County, New Mexico

The well was drilled to test the Morrow formation (Undesignated Dog Town Draw-Morrow Gas Pool). The pool is developed on statewide rules. A well completion report is attached as Exhibit A.

Although the well is at an orthodox surface location, due to natural drift it exceeded the minimum deviation set forth in Division Rule 111. At 11065 feet subsurface, the bottomhole location is approximately 299 feet southwest of the surface location. At total depth the well is within a radius of 220 feet of that subsurface location. The pertinent data is shown on Exhibit B. As a result, the District Office required the well to be shut-in pending approval of an unorthodox bottomhole location.

Attached as Exhibit C is a land plat. The offset working interest owners are as follows:

<u>Land</u>	<u>Interest Owner</u>
E½ S36-23S-29E	Chevron Texaco Inc. (1/2)
	Devon Energy Production Company, L.P. (1/8)
	Bass Enterprises Production Co. (3/8)

§6-24S-30E

Bass Enterprises Production Co.

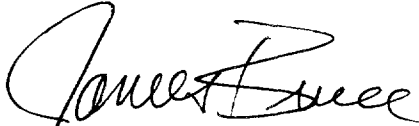
E½ §1-24S-29E

Bass Enterprises Production Co.

The offset operators were notified of this application, as shown on Exhibit D.

Please call me if you need any further information on this matter.

Very truly yours,

A handwritten signature in cursive script that reads "James Bruce". The signature is written in black ink and is positioned above the printed name.

James Bruce

Attorney for Bass Enterprises Production Co.

Submit to Appropriate District Office
 State Base - 5 cop.
 Fee Lease - 5 copies
 District I
 1625 N. French, Hobbs, NM 88240
 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

Form C-105
 Revised March 25, 1999

OIL CONSERVATION DIVISION
 2040 South Pacheco
 Santa Fe, NM 87505

WELL API NO.
 30-015-31774
 5. Indicate Type Of Lease
 STATE FEE
 6. State Oil & Gas Lease No.
 28052

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well:
 OIL WELL GAS WELL DRY OTHER _____
 b. Type of Completion:
 NEW WELL WORK OVER DEEPEN PLUG BACK DIFF. RESVR. OTHER _____
 2. Name of Operator
 Bass Enterprises Production Co.
 3. Address of Operator
 P.O. Box 2760 Midland, TX 79702-2760
 4. Well Location
 Unit Letter Lot 4 : 660' Feet From The South Line and 660' Feet From The West Line
 Section 31 Township 23S Range 30E NMPM Eddy County
 10. Date Spudded 6/10/01 11. Date T.D. Reached 7/30/01 12. Date Compl. (Ready to Prod.) 9/27/01 13. Elevations (DF & RKB, RT, GR, etc.) 3173.8' GL: 3199.5' RF 14. Elev. Casinghead
 15. Total Depth 14,175' 16. Plug Back T.D. 14,085' 17. If Multiple Compl. How Many Zones? Single 18. Intervals Drilled By Rotary Tools Cable Tools Yes Yes
 19. Producing Interval(s), of this completion - Top, Bottom, Name 13,863-14,050' Morrow 20. Was Directional Survey Made Yes
 21. Type Electric and Other Logs Run BCS/GR; PE/AL/AL/MCFL; PE/DN 22. Was Well Cored No

23. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	54.5#	528'	17-1/2"	470 sx	N/A
9-5/8"	40#	3461'	12-1/4"	1120 sx	N/A
7"	26#	11,329'	8-3/4"	1060 sx	N/A

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN
5"	10,992'	14,175'	265 sx	

25. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2-3/8"	13,815'	13,815'

26. Perforation record (interval, size, and number)

13,863-72' (9'. 18 holes). 13,891-900' (9'. 18 holes)
 13,906-10' (4'. 8 holes). 14,026-31' (5'. 10 holes)
 14,046-50' (4'. 8 holes) 2 JSPF 180 degree phasing

27. ACID, SHOT, FRACTURE CEMENT, SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
13,863-14,050'	Acidized w/4000 gals 70/30 10% HCl & 3276 gals 2% KCl FW

28. PRODUCTION

Date First Production 10/25/01 Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing Well Status (Prod. or Shut-in) Producing

Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl	Gas - MCF	Water - Bbl	Gas - Oil Ratio
12/12/01	24	w/o		0	223	0	- - -

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl	Gas - MCF	Water - Bbl	Oil Gravity - API - (Corr.)
615	0		0	223	0	. . .

29. Disposition of Gas (Sold, used for fuel, vented, etc.) Sales, Lease Use Test Witnessed By

30. List Attachments 310 ^{W&A} _{W&A} C-102, C-104, Deviation Reports and Surveys

31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge

Signature Jami Wilber

Printed Name Tami Wilber

Title Produ /02

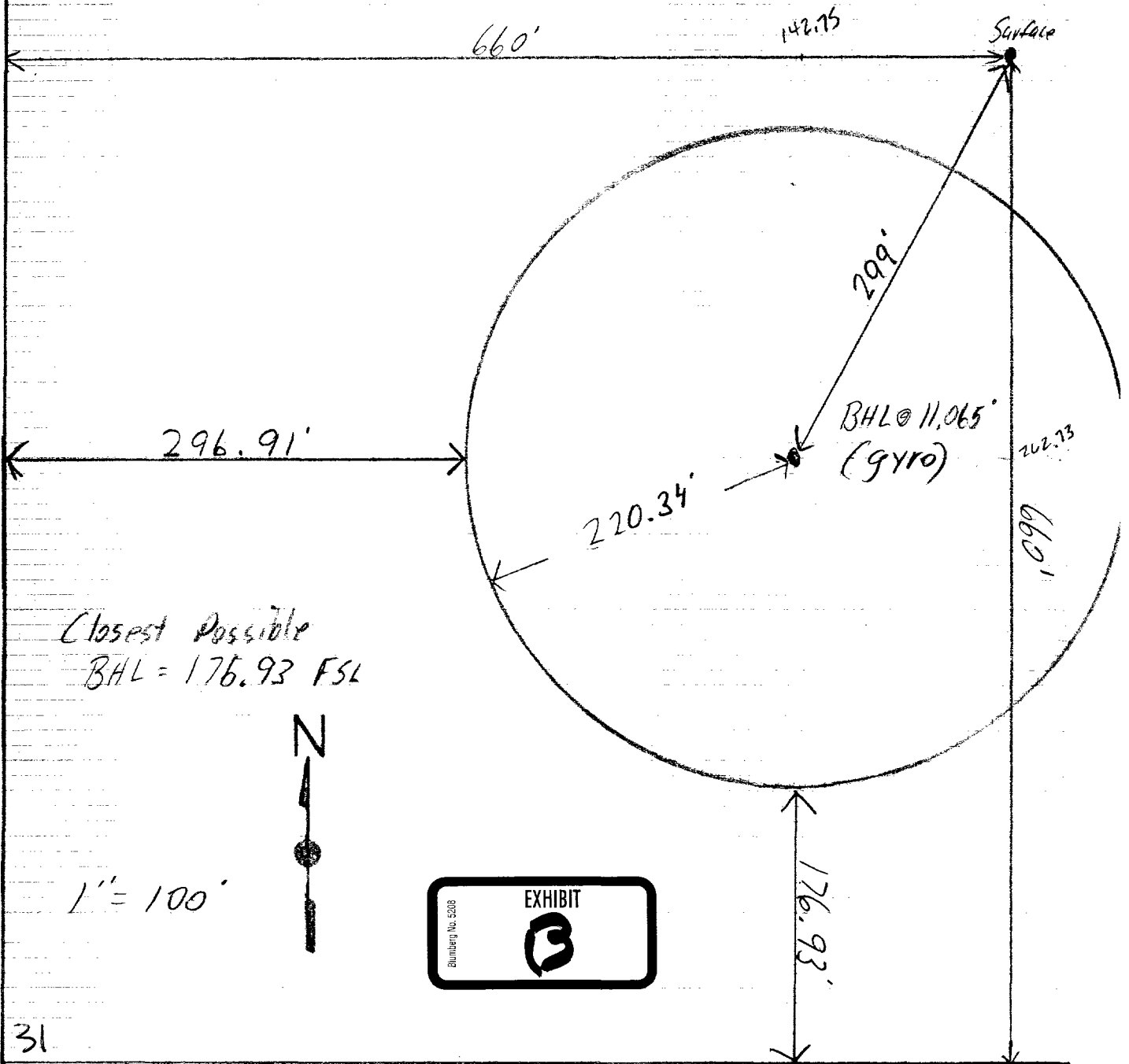


Remuda Basin 31 St. Com. #1

Wayne Bailey
Ft Worth

BHL of Gyro
 @ 11,065^{MD}, 262.73^S, 142.75^W
 from surface location.

Surface Location
 660' FSL + 660' FWL



L. L. RIDGWAY COMPANY, INC.
 PRINTED IN U.S.A.



40-0501
 10 DIVISIONS PER INCH BOTH WAYS

Section Line

Closest Possible
 BHL = 176.93 FSL



1" = 100'



Bass 3/8
 Devon 4/8
 Tex Chew. 1/2

36 31

Bass 100% 1 6

Section Line

BASS 100%

A Gyrodata Directional Survey

Bass Enterprises Production Co.
 Well: REMUDA BASIN 31 ST. COM #1, 3-1/2" DRILLPIPE
 Location: UTI #247, EDDY COUNTY, NEW MEXICO
 Job Number: MD0701GMW274

MEASURED DEPTH feet	INCL deg.	AZIMUTH deg.	BORE HOLE BEARING deg. min.	DOGLEG SEVERITY deg./100 ft.	VERTICAL DEPTH feet	CLOSURE DIST. feet	CLOSURE AZIMUTH deg.	HORIZONTAL COORDINATES feet
9300.0	0.64	201.61	S 21 37 W	0.53	9296.3	231.2	214.0	191.73 S 129.25 W
9400.0	0.70	204.23	S 24 14 W	0.07	9396.3	232.4	213.9	192.81 S 129.70 W
9500.0	2.03	211.03	S 31 2 W	1.34	9496.3	234.7	213.9	194.88 S 130.87 W
9600.0	2.49	194.58	S 14 35 W	0.79	9596.2	238.6	213.7	198.51 S 132.33 W
9700.0	2.93	179.65	S 0 21 E	0.83	9696.1	242.8	213.2	203.16 S 132.86 W
9800.0	3.40	177.69	S 2 18 E	0.48	9796.0	247.3	212.5	208.68 S 132.73 W
9900.0	3.62	177.24	S 2 46 E	0.23	9895.8	252.4	211.7	214.79 S 132.46 W
10000.0	3.60	177.58	S 2 25 E	0.03	9995.6	257.6	210.9	221.09 S 132.17 W
10100.0	3.13	179.29	S 0 43 E	0.48	10095.4	262.6	210.2	226.96 S 132.00 W
10200.0	2.97	191.78	S 11 47 W	0.68	10195.3	267.4	209.7	232.24 S 132.50 W
10300.0	2.88	196.03	S 16 2 W	0.24	10295.1	272.3	209.4	237.19 S 133.72 W
10400.0	2.83	197.28	S 17 17 W	0.08	10395.0	277.1	209.2	241.95 S 135.15 W
10500.0	2.47	200.59	S 20 36 W	0.38	10494.9	281.7	209.0	246.33 S 136.64 W
10600.0	2.33	200.26	S 20 16 W	0.14	10594.8	285.8	208.9	250.26 S 138.10 W
10700.0	1.99	206.08	S 26 5 W	0.41	10694.7	289.6	208.8	253.72 S 139.57 W
10800.0	1.88	190.78	S 10 47 W	0.52	10794.7	292.9	208.7	256.89 S 140.64 W
10900.0	1.14	201.15	S 21 9 W	0.79	10894.6	295.4	208.6	259.44 S 141.31 W
11000.0	1.23	201.54	S 21 32 W	0.09	10994.6	297.5	208.5	261.37 S 142.06 W
11065.0	1.48	211.20	S 31 12 W	0.52	11059.6	299.0	208.5	262.73 S 142.75 W

Final Station Closure: Distance: 299.01 ft Az: 208.52 deg.

OPERATOR: BASS ENTERPRISES PROD. CO.
WELL/LEASE: REMUDA BASIN 31 ST. COM. 1
COUNTY: EDDY

515-267-0109

TO:
Wayne
Bailey

STATE OF NEW MEXICO
DEVIATION REPORT

247	3/4 ✓	13,535	1
501	1 1/2 ✓	14,015	6 1/2
955	1 1/4 ✓	14,150	7
1,446	1 ✓		
1,896	2 1/2 ✓		
2,182	1 1/4 ✓		
2,661	1 1/4 ✓		
3,140	1 3/4 ✓		
3,403	1 3/4 ✓		
3,859	2 ✓		
4,339	1 1/2 ✓		
4,751	1 3/4 ✓		
5,250	1 3/4 ✓		
5,709	1 3/4 ✓		
6,220	1 1/4 ✓		
6,699	2 ✓		
7,294	2 3/4 ✓		
7,688	2 ✓		
8,162	2 ✓		
8,640	2 ✓		
9,115	1/2 ✓		
9,614	3 ✓		
9,674	3 ✓		
10,172	2 1/4 ✓		
10,606	1 1/2 ✓		
10,947	2 ✓		
11,246	2 ✓		
11,660	7 ✓		
12,149	3 ✓		
12,621	2 3/4 ✓		
12,917	4 1/2 ✓		
13,156	2 3/4 ✓		

11,065

By: Steve Moore

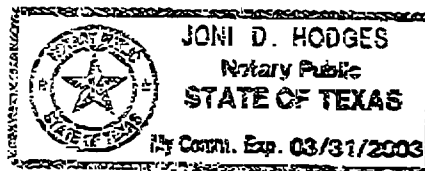
STATE OF TEXAS

COUNTY OF MIDLAND

The foregoing instrument was acknowledged before me on this 6th day of August, 2001, by Steve Moore on behalf of Patterson-UTI Drilling Company LP, LLLP.

Joni D. Hodges
Notary Public for Midland County, Texas

My Commission Expires: 3/31/2003





- BASS 100% - (HBP)
- BASS 1/3 - below 7600' only-(HBP)
- BASS 3.125% ORR, Texaco 100% - above TD of each Delaware well
BASS 1/2, Texaco 1/2 - below TD-(HBP)
- BASS 3/4, Devon 1/4 - all Depths-(HBP)
- BASS 1/2, Texaco 1/2 - all Depths-(HBP)
- BASS 3/8, Devon 1/8 - all Depths
Texaco 1/2 - below 10,300', B.K. Expl. 1/2 - above 10,300' - (HBP)
- BASS 3/8, Devon 1/8, B.K. Expl. 1/2 - above Top of Morrow
BASS 3/8, Devon 1/8, Texaco 1/2 - below Top of Morrow - (HBP)
- Roy G. Barton, Trustee - (Lease in Suspense)
- Yates Pet. - (Lease in Suspense)
- Santa Fe 1/3, Maralo 1/3, Collins & Ware 1/3 - (6-01-2004)
- Maralo 2/3, Louis Dreyfus Natural Gas 1/3 - (HBP)



Bass Enterprises Production Co.

N. PLU - REMUDA BASIN
Eddy County, New Mexico

LAND PLAT

DATE: 10-10-01	SCALE: 1" = 3000'
DEPT.: Land	INTER. BY: WB
FILE: no plu-remuda land map.dwg	DRAFTED BY: P. C.

JAMES BRUCE
ATTORNEY AT LAW

POST OFFICE BOX 1056
SANTA FE, NEW MEXICO 87504

324 MCKENZIE STREET
SANTA FE, NEW MEXICO 87501

(505) 982-2043
(505) 982-2151 (FAX)

April 13, 2002

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Chevron Texaco Inc.
P.O. Box 3109
Midland, Texas 79702

Devon Energy Production Company, L.P.
P.O. Box 108838
Oklahoma City, Oklahoma 73101-8838

Attention: Ken Gray
Land Department

Gentlemen:

Enclosed is a copy of an administrative application for an unorthodox gas well location, filed with the New Mexico Oil Conservation Division by Bass Enterprises Production Co., regarding a well in the W $\frac{1}{4}$ of Section 31, Township 23 South, Range 30 East, NMPM, Eddy County, New Mexico. If you object to the application, you must notify the Division in writing by Friday, May 3, 2002 at the Division's offices at 1220 South St. Francis Drive, Santa Fe, New Mexico 87505. Failure to object will preclude you from contesting this matter at a later date.

Very truly yours,



James Bruce

Attorney for Devon Energy Production Co.



CMD : ONGARD
 OG5SECT INQUIRE LAND BY SECTION
 Sec : 31 Twp : 23S Rng : 30E Section Type : NORMAL
 05/21/02 10:05:51
 OGOMES -TPJH
 PAGE NO: 1

1	40.58 CS E05229 0007 BASS ENTERPRISES R 05/10/61 C	C 40.00 CS E05229 0007 BASS ENTERPRISES R 05/10/61 C A	B 40.00 Federal owned R A	A 40.00 Federal owned R A A
2	40.65 CS E05229 0007 BASS ENTERPRISES R 05/10/61 C	F 40.00 CS E05229 0007 BASS ENTERPRISES R 05/10/61 C C A	G 40.00 Federal owned R C A	H 40.00 Federal owned R A

PF01 HELP PF02 PF03 EXIT PF04 GOTO PF05 PF06
 PF07 BKWD PF08 FWD PF09 PRINT PF10 SDIV PF11 PF12

322.72

CMD : ONGARD
 OG5SECT INQUIRE LAND BY SECTION

05/21/02 10:06:03
 OGOMES -TPJH
 PAGE NO: 2

Sec : 31 Twp : 23S Rng : 30E Section Type : NORMAL

3	40.71 CS E05229 0007 BASS ENTERPRISES R 05/10/61 C	K 40.00 CS E05229 0007 BASS ENTERPRISES U R 05/10/61 A	J 40.00 Federal owned U R A	I 40.00 Federal owned U R A
4	40.78 CS E05229 0007 BASS ENTERPRISES R 05/10/61 C A	N 40.00 CS E05229 0007 BASS ENTERPRISES U R 05/10/61 A	O 40.00 Federal owned U R A	P 40.00 Federal owned U R A

PF01 HELP PF02 PF03 EXIT PF04 GOTO PF05 PF06
 PF07 BKWD PF08 FWD PF09 PRINT PF10 SDIV PF11 PF12

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

SK

Form C-103
 Revised March 25, 1999

OIL CONSERVATION DIVISION
 2040 South Pacheco
 Santa Fe, NM 87505

WELL API NO. 30-015-31774
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. 28052
7. Lease Name or Unit Agreement Name: Remuda Basin 31 State Com
8. Well No. 1
9. Pool name or Wildcat Dog Town Draw (Morrow)
10. Elevation (Show whether DR, RKB, RT, GR, etc.) 3175'

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.)

1. Type of Well:
 Oil Well Gas Well Other

2. Name of Operator
 Bass Enterprises Production Co.

3. Address of Operator
 P.O. Box 2760 Midland, TX 79702-2760

4. Well Location
 Unit Letter Lot 4 : 660' feet from the South line and 660' feet from the West line
 Section 31 Township 23S Range 30E NMPM County Eddy

10. Elevation (Show whether DR, RKB, RT, GR, etc.)
 3175'

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
- OTHER:

SUBSEQUENT REPORT OF:

- REMEDIAL WORK ALTERING CASING
- COMMENCE DRILLING OPNS. PLUG AND ABANDONMENT
- CASING TEST AND CEMENT JOB
- 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. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Spud @ 8:00 p.m. 6/10/01. Drilled 17-1/2" to 528'. 6/11/01
 Ran 12 joints 13-3/8" 54.5# J-55 ST&C casing set @ 528'.
 Cmt w/ 245 sx PBCZ w/additives. Tail w/ 225 sx PP w/ additives. Circ 98 sx to surf. WOC 37.5 hrs.
 Drilled 12-1/4" hole to 3461' 6/17/01. Ran 81 jts 9-5/8" 40# K55,N80 LT&C csg set @ 3461'.
 Cmt w/ 900 sx PP w/additives. Tail w/220 sx PP w/additives. Circ 270 sx to surf. WOC 19.5 hrs.
 Drilled 8-3/4" hole to 11,330' 7/2/01. Ran 258 jts 7" 26# P110 LT&C csg set @ 11,329'.
 Stage 1:Cmt w/ 450 sx Super H w/additives. Estimated TOC 7506'.
 Stage 2:Cmt w/ 610 sx Super H w/additives. Estimated TOC 3000'. WOC 30.5 hrs.
 Drilled 6-1/8" hole to 14,175' 7/30/01. Ran 73 jts 5" 18# P110 STL csg set @ 14,175'.
 Cmt with 265 sx Super H w/additives. Circ 94 sx. Estimated TOC 10,992'.
 Rig released @ 7:00 p.m. 7/31/01.
 Prep for completion.

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

SIGNATURE Tami Wilber TITLE Production Clerk DATE 9/5/01

Type or print name Tami Wilber Telephone No. 915-683-2277

(This space for State use)
 APPROVED BY [Signature] TITLE SUPERVISOR, DISTRICT II DATE SEP 19 2001

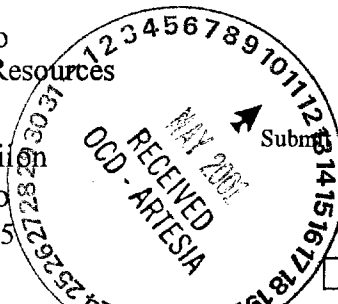
Conditions of approval, if any:

State of New Mexico
Energy, Minerals & Natural Resources

SK Form C-101
Revised March 17, 1999

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. 1st Street, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505



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 28052		³ API Number 30- OLS- 31774
⁵ Property Name Remuda Basin 31 State Com		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
Lot 4	31	23S	30E		660'	South	660'	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 Wildcat (Morrow)					¹⁰ Proposed Pool 2				
--	--	--	--	--	-------------------------------	--	--	--	--

¹¹ Work Type Code N	¹² Well Type Code G	¹³ Cable/Rotary R	¹⁴ Lease Type Code State	¹⁵ Ground Level Elevation 3175'
¹⁶ Multiple N	¹⁷ Proposed Depth 14,500'	¹⁸ Formation Morrow	¹⁹ Contractor U.T.I.	²⁰ Spud Date 6/15/01

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"	54.5	525'	510	Surface
12-1/4"	9-5/8"	40	3435'	955	Surface
8-3/4"	7"	26	11,400'	850	3000' (435') Inside
6-1/8"	5"	18	11,100-14,500'	360	11,100' (TOL)

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 well is outside the R-111 potash area.
The surface casing will be set into the Rustler below all fresh water sands.
The intermediate will be set through the Salt.
Cement will tie 475' into the intermediate casing.

Communitization procedures will be submitted at a later date.

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: <i>William R. Dannels</i>		Approved by: <i>John W. Stearns</i>	
Printed name: William R. Dannels		Title: SUPERVISOR, DISTRICT II	
Title: Division Drilling Superintendent		Approval Date: MAY 14 2001	Expiration Date: MAY 14 2002
Date: 5/10/01	Phone: (915) 683-2277	Conditions of Approval:	
		Attached <input type="checkbox"/>	

DISTRICT I
1625 N. French Dr., Hobbs, NM 88240

DISTRICT II
811 South First, Artesia, NM 88210

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

DISTRICT IV
2040 South Pacheco, Santa Fe, NM 87505

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
		Wildcat (Morrow)
Property Code	Property Name	Well Number
	REMUDA BASIN "31" STATE COM	1
OGRD No.	Operator Name	Elevation
001801	BASS ENTERPRISES PRODUCTION COMPANY	3175'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
LOT 4	31	23 S	30 E		660	SOUTH	660	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

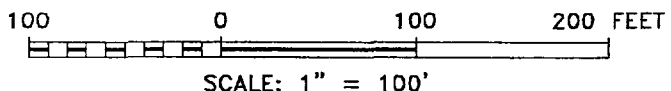
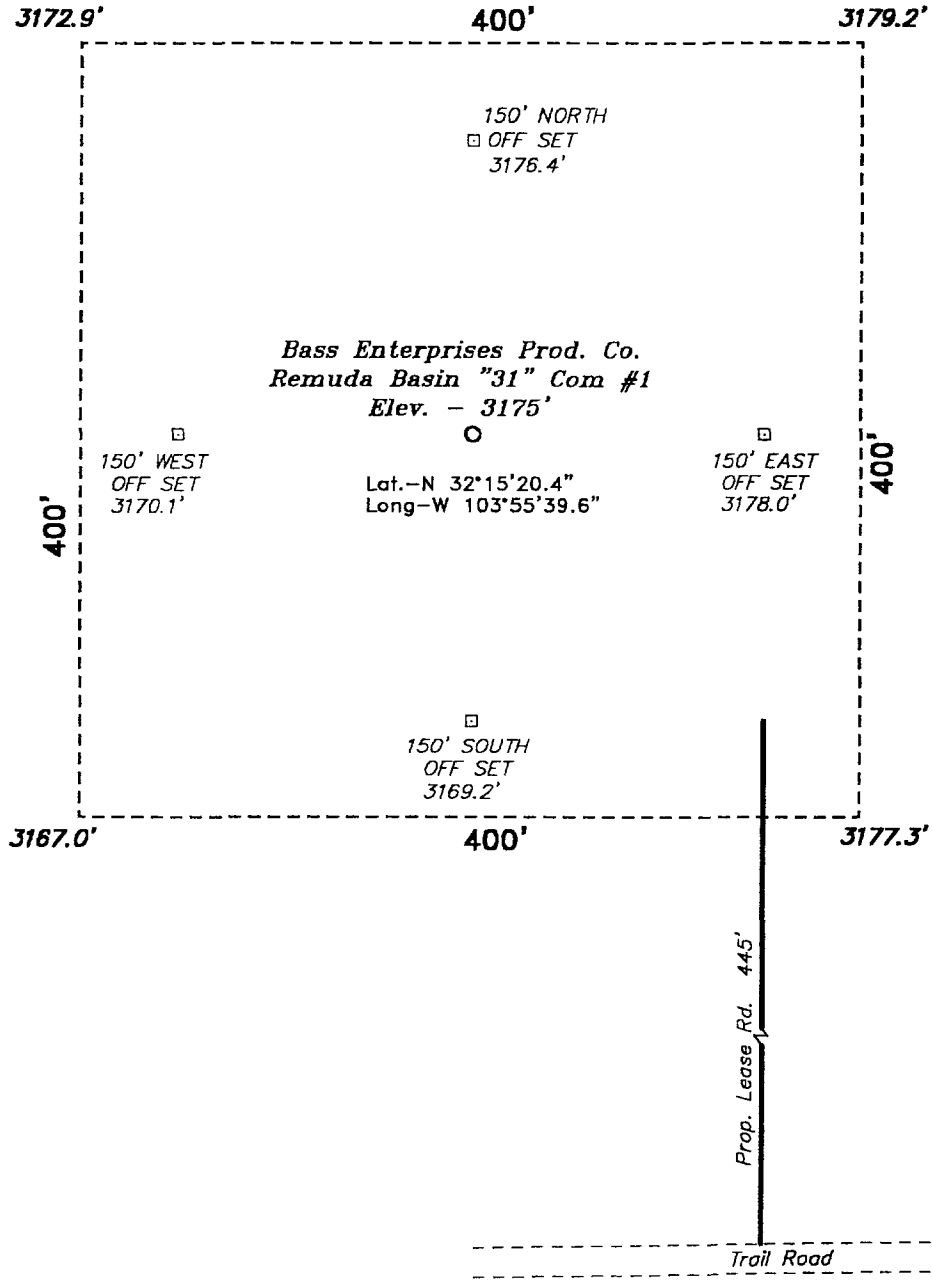
Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
180	Y	C	

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

322.72

<p>LOT 1 - 40.58 ac.</p> <p>LOT 2 - 40.65 ac.</p> <p>LOT 3 - 40.71 ac.</p> <p>LOT 4 - 40.78 ac.</p> <p>3172.9' 3179.2'</p> <p>660'</p> <p>3167.0' 3177.3'</p> <p>LAT - N32°15'20.4"</p> <p>LONG - W103°55'39.6"</p>	40			<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><i>William R. Dannels</i></p> <p>Signature</p> <p>William R. Dannels</p> <p>Printed Name</p> <p>Division Drilling Supt.</p> <p>Title</p> <p>5-10-01</p> <p>Date</p> <hr/> <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>April 10 2001</p> <p>Date Surveyed</p> <p>JONES</p> <p>Signature & Seal of Professional Surveyor</p> <p>7977</p> <p>W.O. No. 1561</p> <p>Certification No. Jones 7977</p> <p>BASIN SURVEYS</p>
	40			
	40			
	40			

**SECTION 31, TOWNSHIP 23 SOUTH, RANGE 30 EAST, N.M.P.M.,
EDDY COUNTY, NEW MEXICO.**



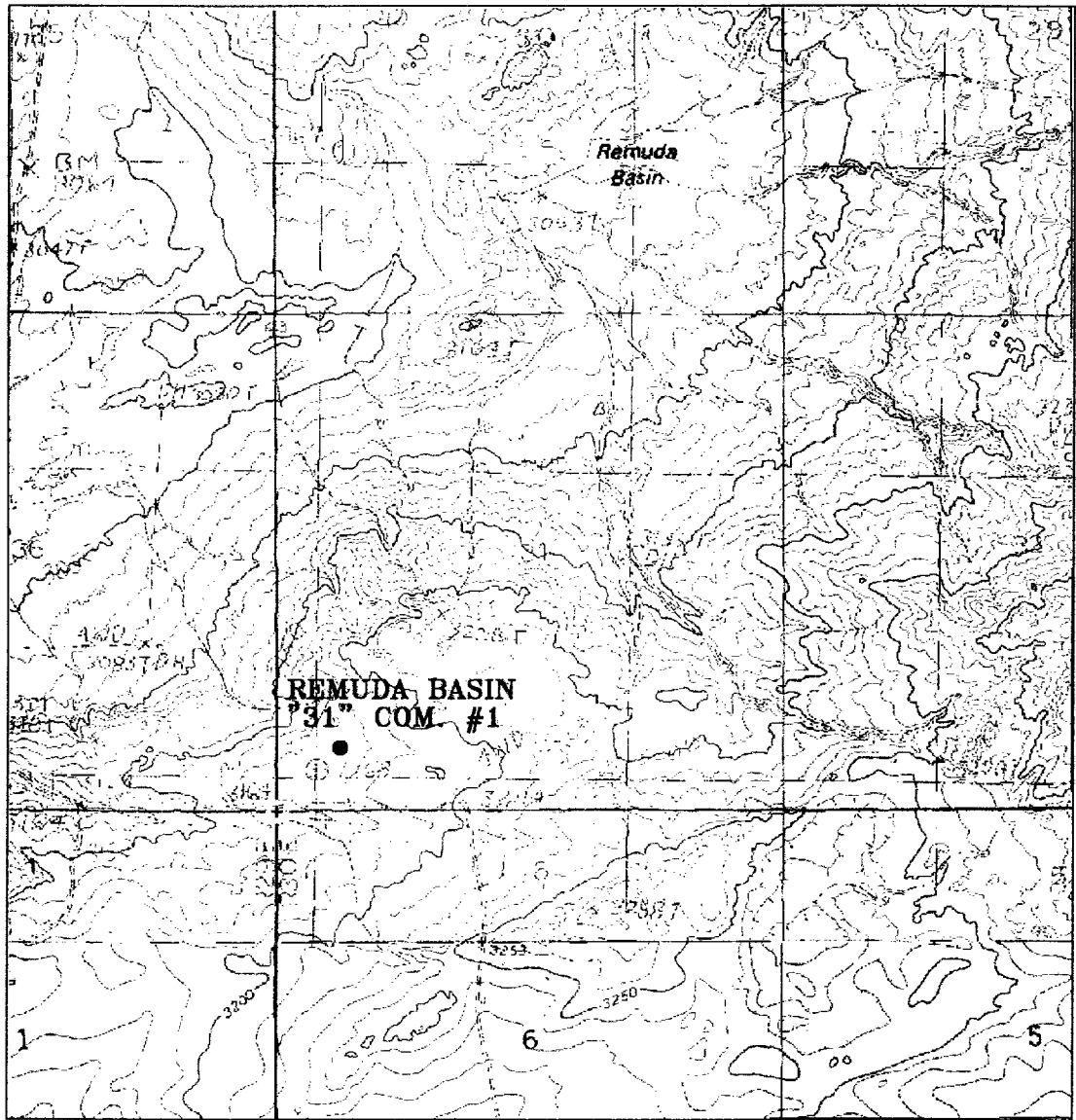
DIRECTIONS TO LOCATION:

FROM THE JUNCTION OF STATE HWY 128 & CO. RD. 793, GO SOUTH AND WEST ON CO. RD. 793 APPROX. 3.5 MILES TO A TRAIL ROAD; THENCE WEST ON TRAIL ROAD FOR 1125 FEET TO A PROPOSED LEASE ROAD.

BASS ENTERPRISES PRODUCTION CO.	
REF: Remuda Basin "31" Com. No. 1 / Well Pad Topo	
THE REMUDA BASIN "31" COM No. 1 LOCATED 660' FROM THE SOUTH LINE AND 660' FROM THE WEST LINE OF SECTION 31, TOWNSHIP 23 SOUTH, RANGE 30 EAST, N.M.P.M., EDDY COUNTY, NEW MEXICO.	

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

W.O. Number: 1361 Drawn By: **K. GOAD**



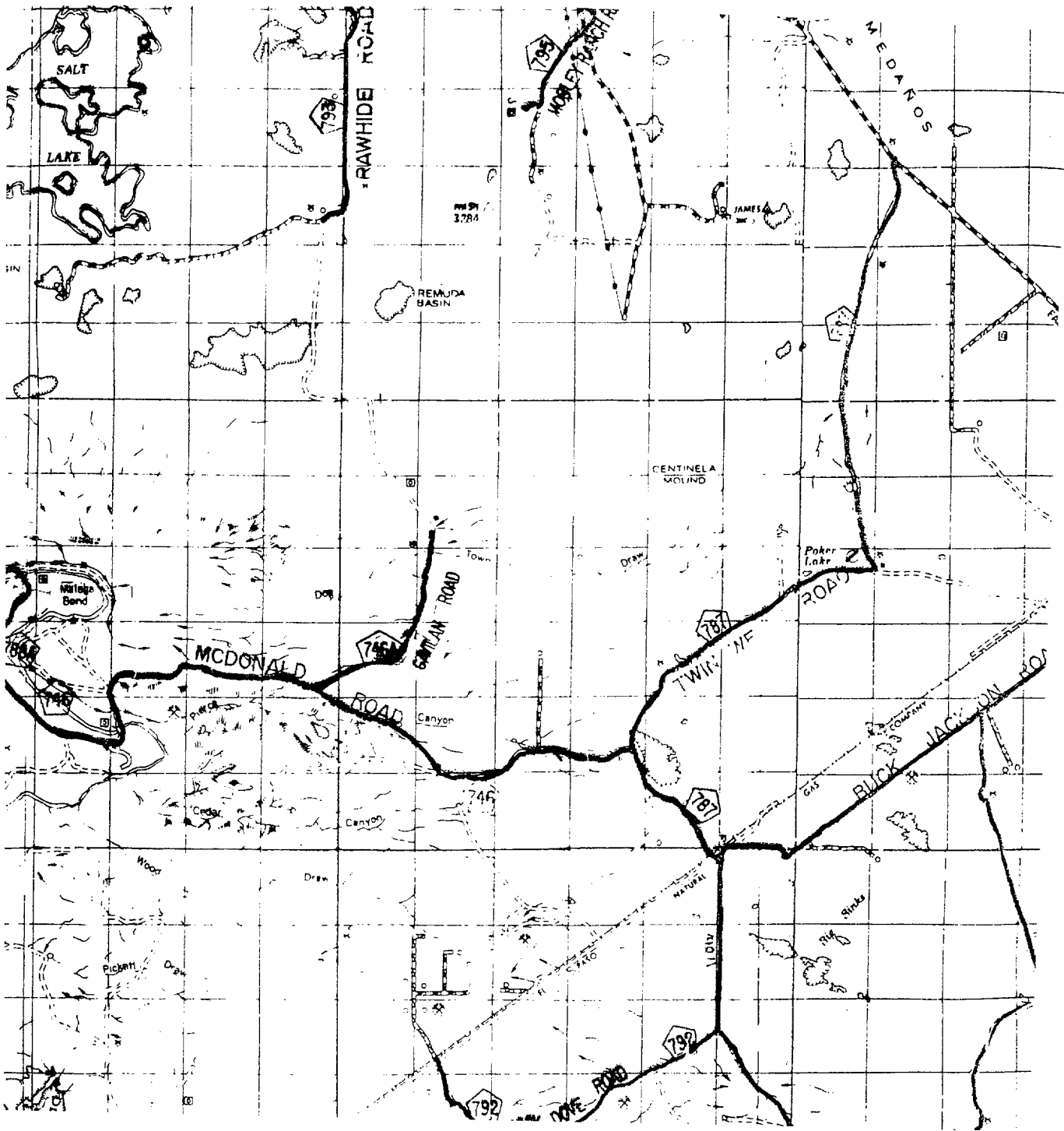
REMUDA BASIN "31" COM. #1
 Located at 660' FSL and 660' FWL
 Section 31, Township 23 South, Range 30 East,
 N.M.P.M., Eddy County, New Mexico.

basin surveys
 focused on excellence
 in the oilfield

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: 1361AA - KJG CD#3
Survey Date: 04-10-2001
Scale: 1" = 2000'
Date: 04-16-2001

**BASS ENTERPRISES
 PRODUCTION CO.**



REMUDA BASIN "31" COM. #1
 Located at 660' FSL and 660' FWL
 Section 31, Township 23 South, Range 30 East,
 N.M.P.M., Eddy County, New Mexico.

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 (505) 392-3074 - Fax
 basinsurveys.com

W.O. Number: 1361AA - KJG CD#3

Survey Date: 04-10-2001

Scale: 1" = 2 MILES

Date: 04-16-2001

BASS ENTERPRISES
PRODUCTION CO.

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

NAME OF WELL: REMUDA BASIN 31 STATE COM #1

LEGAL DESCRIPTION - SURFACE: 660' FSL & 660' FWL, Section 31, T23S, R30E, 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 3201' (est)
GL 3175'

<u>FORMATION</u>	<u>ESTIMATED TOP FROM KB</u>	<u>ESTIMATED SUBSEA TOP</u>	<u>BEARING</u>
T/Rustler	331'	+ 2,870'	Barren
T/Salt	541'	+ 2,660'	Barren
B/Salt	3,195'	+ 6'	Barren
T/Lamar Lime	3,426'	- 225'	Barren
T/Delaware Sands	3,456'	- 255'	Oil/Gas
T/Lower Brushy Canyon (8A)	6,923'	- 3,722'	Oil/Gas
T/Bone Spring	7,161'	- 3,960'	Oil/Gas
T/Wolfcamp	10,476'	- 7,275'	Barren
T/Atoka	12,579'	- 9,378'	Oil/Gas
T/Atoka Bank	12,877'	- 9,676'	Oil/Gas
T/Morrow	13,391'	- 10,190'	Oil/Gas
T/Middle Morrow	13,775'	- 10,574'	Oil/Gas
TD	14,500'	- 11,299'	

POINT 3: CASING PROGRAM

<u>TYPE</u>	<u>INTERVALS</u>	<u>PURPOSE</u>	<u>CONDITION</u>
20"	0' - 40'	Conductor	Contractor Discretion
13-3/8", 54.5#, J-55, STC	0' - 525'	Surface	New
9-5/8", 40#, N80, LTC	0' - 1,000'	Intermediate	New
9-5/8", 40#, K-55, LTC	1,000' - 3,435'	Intermediate	New
7", 26#, P-110, LTC	0' - 11,000'	Intermediate	New
7", 26#, S-95, LTC	11,000' - 11,400'	Intermediate	New
5", 18#, P110, STL	11,100' - TD	Production Liner	New

POINT 4: PRESSURE CONTROL EQUIPMENT (SEE ATTACHED DIAGRAM)

A rotating head will be nipped up on the surface casing. The rotating head will not be hydro-tested.

A BOP equivalent to Diagram 1 will be nipped up on the first and second intermediate casings. The BOP stack, choke, kill lines, kelly cocks, inside BOP, etc. will be hydro-tested to 3,000 psi on the first intermediate and 10,000 psi on the second intermediate casing. The annular will be tested to 3000 psi. In addition to the rated working pressure test, a low pressure (250 psi) test will be required. These tests will be performed:

- a) Upon installation
- b) After any component changes
- c) Twenty-one 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. See the attached Diagram 1 for the minimum criteria for the choke manifold.

POINT 5: MUD PROGRAM

<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' - 525'	FW	8.5 - 9.2	45-35	NC	NC	NC	9.5
525' - 3,435'	CBW	9.2 - 10.0	28-30	NC	NC	NC	9.5
3,435' - 10,000'	FW	8.6 - 8.9	28-30	4	2	NC	9.5
10,000' - 11,400'	CBW	8.6 - 9.0	28-30	6	4	<20	9.5
11,400' - TD	CBW/Polymer	9.0 - 13.5	32-55	12-20	12-22	10-15	9.5-10.0

POINT 6: TECHNICAL STAGES OF OPERATION**A) TESTING**

Drill stem tests may be performed on significant shows in zones of interest, but none are anticipated.

B) LOGGING

Run #1:

GR-CNL-LDT-LLD run from TD to first ICP, GR-CNL to surface. May run logging suite across Delaware prior to drilling below 7300' if mud log shows warrant.

Con't... POINT 6: TECHNICAL STAGES OF OPERATION

B) LOGGING

Run #2:

GR-CNL-LDT-LLD run from TD to second ICP, FMI across Wolfcamp as needed.

C) CORING

No cores are anticipated.

D) CEMENT

<u>INTERVAL</u>	<u>AMOUNT SX</u>	<u>FT OF FILL</u>	<u>TYPE</u>	<u>GALS/SX</u>	<u>PPG</u>	<u>FT³/SX</u>
<u>SURFACE</u>						
Lead						
0' - 225' (100% excess)	170	225	Permian Basin Critical + Zone + Pol-e-flake	10.30	12.80	1.89
Tail						
225'-525' (100% Excess)	340	300	Premium Plus + 2% CaCl ₂ + 1/8#/sx Pol-e-flake	6.32	14.80	1.34
<u>INTERMEDIATE</u>						
<u>INTERVAL</u>	<u>AMOUNT SXS</u>	<u>FT OF FILL</u>	<u>TYPE</u>	<u>GALS/SX</u>	<u>PPG</u>	<u>FT³/SX</u>
Lead						
0' - 3000' (100% Excess)	720	3000	Interfill C + 1/8#/sx + Pol-e-flake	14.10	11.90	2.45
Tail						
3000' - 3435' (100% Excess)	235	435	Premium Plus + 2% CaCl ₂	6.34	14.80	1.34
<u>PRODUCTION</u> (Two stage w/DV tool @ 8000' and circulate cement to 3000')						
<u>INTERVAL</u>	<u>AMOUNT SXS</u>	<u>FILL</u>	<u>TYPE</u>	<u>GALS/SX</u>	<u>PPG</u>	<u>FT³/SX</u>
<u>1st Stage</u>						
LEAD						
8000'-10,700' (50% excess)	250	2700	Interfill H + 5pps Gilsonite + 0.5% Halad 9 + 1/8 pps Pol-e-flake	13.61	11.90	2.46
TAIL						
10,700'-11,400' (50% excess)	100	700	Super H + 0.5% Halad 344 + 0.4% CFR3 + 5 pps Gilsonite + 1 pps Salt + 0.2% HRT	8.20	13.00	1.67
<u>2nd Stage</u>						
LEAD						
3000'-7,300' (50% excess)	400	4300	Interfill H + 1/8 pps Pol-e-flake + 0.5% Halad 9	14.00	11.90	2.45
TAIL						
7,300'-8,000' (50% excess)	100	700	Super H + 0.5% Halad 344 + 0.4% CFR3 + 5 pps Gilsonite + 1 pps Salt + 0.2% HRT	8.20	13.00	1.67
<u>PRODUCTION LINER</u>						
11,100'-14,500' (25% excess)	360	3100	Class H + 0.8% Halad 322 + 0.6% Halad 344 + 0.2% HR-7 + 5pps Microbond M	5.68	15.40	1.28

E) DIRECTIONAL DRILLING

No directional services anticipated. A straight hole will be drilled to 14,500' TD.

POINT 7: ANTICIPATED RESERVOIR CONDITIONS

Normal pressures are anticipated throughout the Delaware, Bone Spring & Wolfcamp sections. The Atoka Bank may be abnormally pressured with expected BHP of 9250 psi (max) or an equivalent mud weight of 13.8 ppg. The Morrow expected BHP is 7800 (max) or an equivalent mud weight of 10.5 ppg @ TD. Due to the tight nature of the reservoir rock (high pressure, low volume), the well will be drilled under balanced utilizing a rotating head. The expected BHT at TD is 230°F. No H₂S is anticipated.

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

90 days drilling operations

25 days completion operations

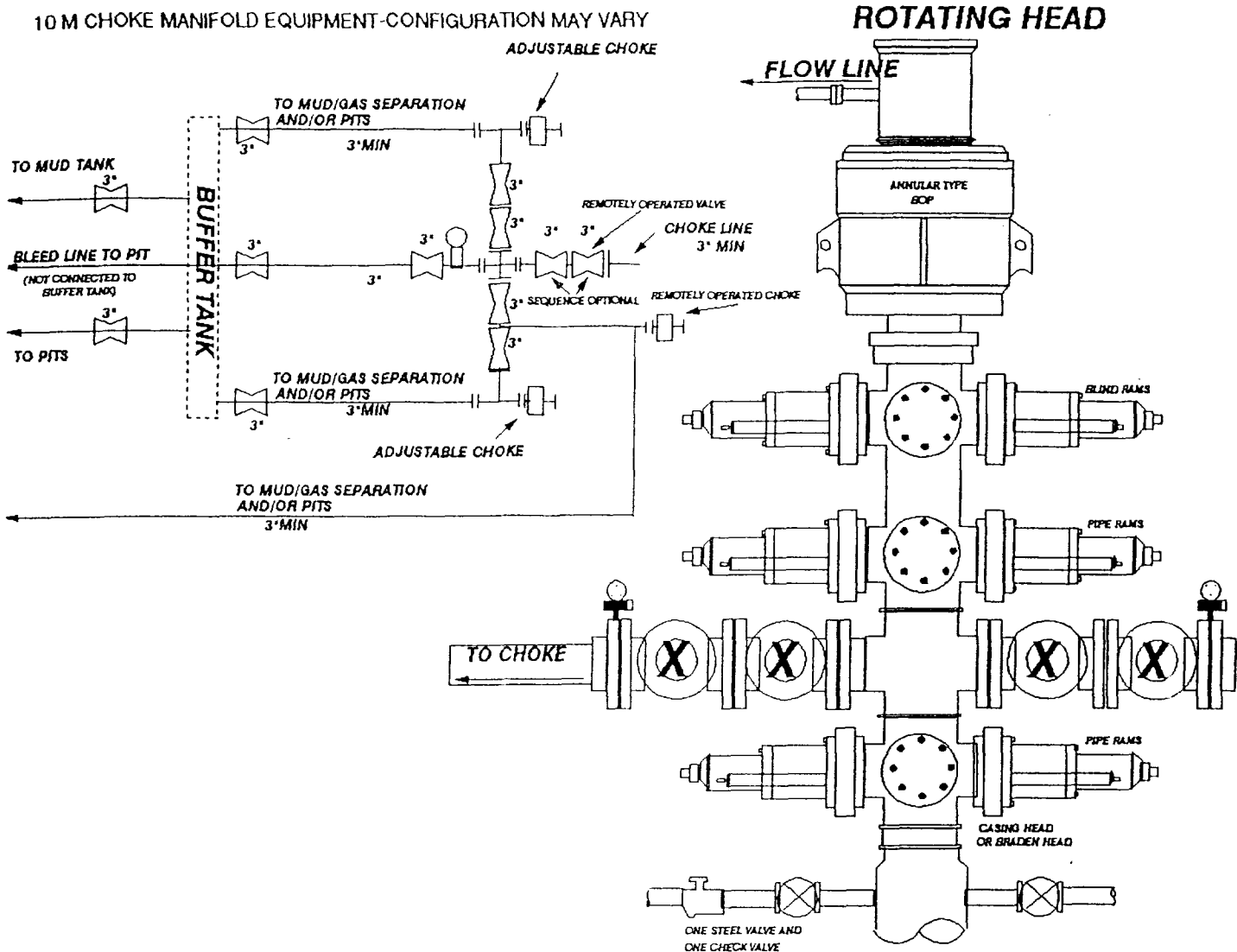
5-10-01

Date

William R. Dannels
William R. Dannels

WRD/JCW:tlw

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.