

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

District II
1301 W. Grand Avenue, Artesia, NM 87501

District III
1000 Rio Brazos Road, Aztec, NM 87410

District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Form C-101
June 16, 2008

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AUG 24 2009

HOBBSOCD

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit to appropriate District Office

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

Operator Name and Address CAZA OPERATING, LLC. 200 NORTH LORAIN SUITE 1550 MIDLAND, TEXAS 79701		OGRID Number 249099 API Number 30 - 025-39508
Property Code 37800	Property Name BADA BING "23" STATE	Well No. 1 H
Proposed Pool 1 INBE-PERMO PENN (33660)		Proposed Pool 2

Surface Location									
UL lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	23	10S	33E		330'	South	660'	WEST	LEA

Proposed Bottom Hole Location: If Different From Surface									
UL lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	23	10S	33E		330' 50"	NORTH	660'	WEST	LEA

Work Type Code N	Well Type Code O	Cable/Rotary ROTARY	Lease Type Code S	Ground Level Elevation 4208'
Multiple NO	Proposed Depth TVD -8800'	Formation WOLFCAMP	Contractor JW DRILLING CO.	Spud Date WHEN APPROVED

MD-13,215'

Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
26"	20"	Conductor	40'	Redi-mix	Surface
17 1/2"	13 3/8"	54.5	500'	625 Sx.	Surface
12 1/4"	9 5/8"	36.6 & 40#	4000'	1300 Sx	Surface
8 3/4"	7"	26#	9150'	1180 Sx.	3500' FS
6 1/8"	4 1/2"	11.6#	13,035	*	

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.

* Run a 5015' Liner and hang at 8022', run a Halliburton "Swell-Packer Sleeve" and a Versa Flex hanger assembly, hang

SEE ATTACHED SHEET FOR DETAIL

Permit Expires 2 Years From Approval
Date Unless Drilling Underway

I hereby certify that the information given above is true and complete to the best of my knowledge and belief.		OIL CONSERVATION DIVISION	
Signature: Joe T. Janica	Approved by: [Signature]		
Printed name: Joe T. Janica	Title: PETROLEUM ENGINEER		
Title: Permit Eng.	Approval Date: AUG 28 2009	Expiration Date:	
E-mail Address: joejanica@valornet.com			
Date:	Phone: 575-391-8503	Conditions of Approval Attached ☐	

1. Drill 26" hole to 40'. Set 40' of 20" conductor pipe and cement to surface with Redi-mix.
2. Drill 17½" hole to 500'. Run and set 500' of 13 3/8" 54.5# J-55 ST&C casing. Cement with 425 Sx. of 65/35 Class "C" POZ cement + 6% Gel, + 5% Salt, Yield 1.89, tail in with 200 Sx. of Class "C" cement + 2% CaCl. Yield 1.32, circulate cement to surface.
3. Drill 12¼" hole to 4000'. Run and set 4000' of 9 5/8" as follows: 900' of 9 5/8" 40# J-55 ST&C casing, 3100' of 9 5/8" 36# J-55 LT&C casing. Cement with 1100 Sx. of 65/35 Class "C" POZ Cement + 6% Gel, + 5% Salt, Yield 2.09, tail in with 200 Sx. of Class "C" cement + 1% CaCl, Yield 1.32, circulate cement to surface.
4. Drill 8 3/4" hole to 9200'. Run open hole logs. Set Cement plug back to 8100±'. Dress off cement plug to KO Point at 8325±'. Drill 8 3/4" hole to MD of 9153±'. Run and set 9155±' of 7" 26# P-110 LT&C casing. Cement with 880 Sx. of TXI Class "H" Light cement + additives, Yield 1.25, tail in with 300 Sx. of TXI Class "H" cement + additives, Yield 1.18. Estimate top of cement 3500' from surface.
5. Drill 6 1/8" horizontal hole to a total MD of 13,035'. Run and set a 5015' 4½" 11.6# P-110 BT&C Liner. Run a Halliburton Swell Packer-Sleeve completion system, with a Versa Flex liner hanger assembly hang at 8022±'.

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State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

Form C-102
Revised October 12, 2005

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number	Pool Code 33660	Pool Name INBE-PERMO PENN.
Property Code	Property Name BADA BING "23" STATE	Well Number 1H
OGRID No. 249099	Operator Name CAZA OPERATING, LLC	Elevation 4208'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	23	10 S	33 E		330	SOUTH	660	WEST	LEA

Bottom Hole Location If Different From Surface

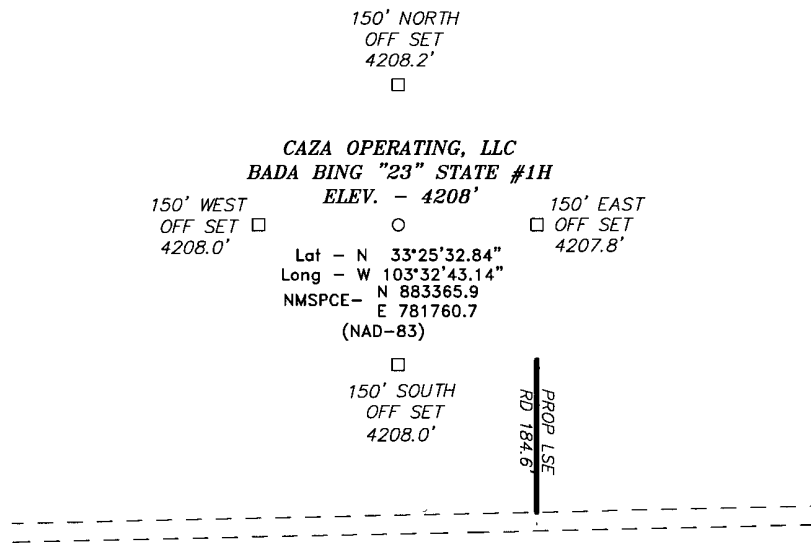
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	23	10 S	33 E		510	NORTH	660	WEST	LEA

Dedicated Acres 160	Joint or Infill	Consolidation Code	Order No.
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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

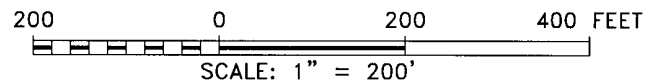
BOTTOM HOLE LOCATION Lat - N 33°26'17.24" Long - W 103°32'42.77" NMSPCE - N 887853.103 E 781758.533 (NAD-83) PROJECT AREA PRODUCING AREA SURFACE LOCATION Lat - N 33°25'32.84" Long - W 103°32'43.14" NMSPCE - N 883365.9 E 781760.7 (NAD-83) POE 807' FSL & 660' FWL	OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. <i>Joe T. Janica</i> Signature Date Joe T. Janica Printed Name 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 MAY 29, 2009 Date Surveyed Signature & Seal of Professional Surveyor W.O. No. 21414 Certificate No. Gary L. Jones 7977 BASIN SURVEYS
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SECTION 23, TOWNSHIP 10 SOUTH, RANGE 33 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO.



Directions to Location:

FROM THE JUNCTION OF HWY 380 AND CO. RD.
NINE, GO NORTH ON NINE FOR 4.4 MILES TO CO.
RD. LANE, ON LAND GO EAST TURNING NORTH 2.6
MILES TO LEASE ROAD, ON LEASE ROAD GO EAST
0.7 MILES TO PROPOSED LEASE ROAD.



CAZA OPERATING, LLC

REF: BADA BING "23" STATE #1H / WELL PAD TOPO

THE BADA BING "23" STATE #1H LOCATED 330'
FROM THE SOUTH LINE AND 660' FROM THE WEST LINE OF
SECTION 23, TOWNSHIP 10 SOUTH, RANGE 33 EAST,
N.M.P.M., LEA COUNTY, NEW MEXICO.

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

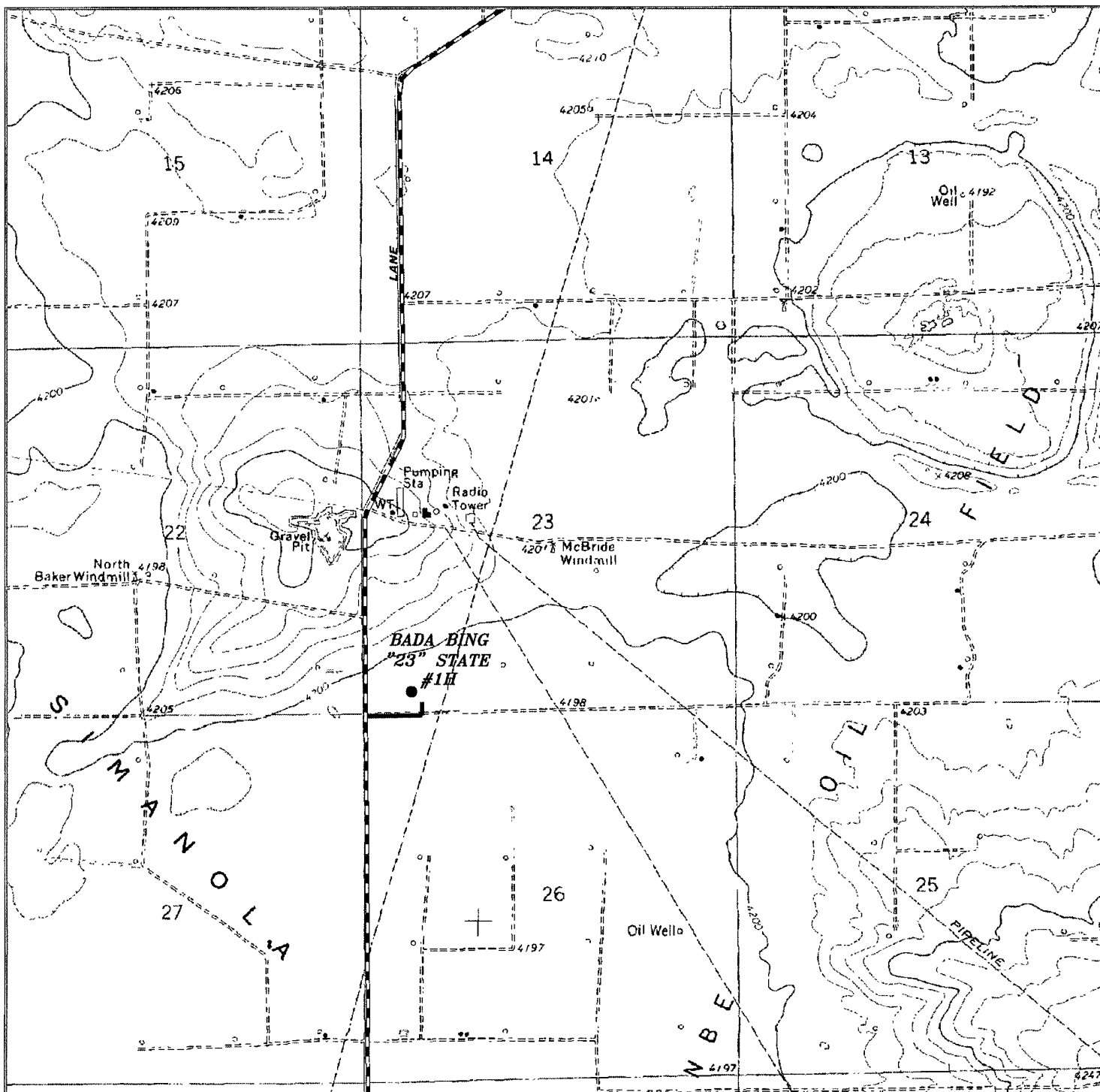
W.O. Number: 21414

Drawn By: J. SMALL

Date: 06-01-2009 Disk: JMS 21414

Survey Date: 05-29-2009

Sheet 1 of 1 Sheets



BADA BING "23" STATE #1H
 Located 330' FSL and 660' FWL
 Section 23, Township 10 South, Range 33 East,
 N.M.P.M., Lea County, New Mexico.

basin
surveys
 focused on excellence
 in the oilfield

P.O. Box 1786
 1120 N. West County Rd.
 Hobbs, New Mexico 88241
 (575) 393-7316 - Office
 (575) 392-2206 - Fax
 basinsurveys.com

W.O. Number: JMS 21414

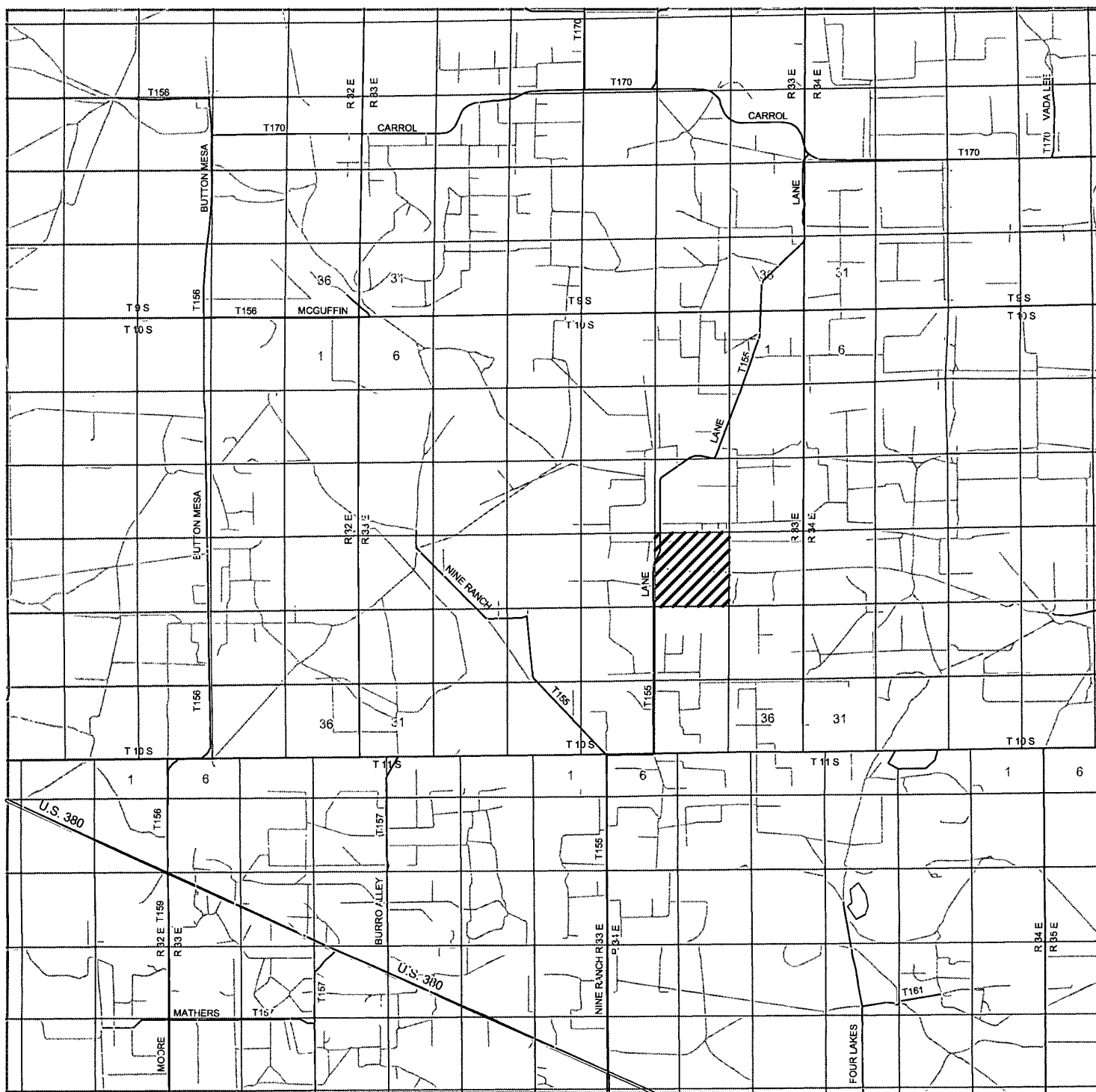
Survey Date: 05-29-2009

Scale: 1" = 2000'

Date: 06-01-2009



CAZA
OPERATING,
LLC



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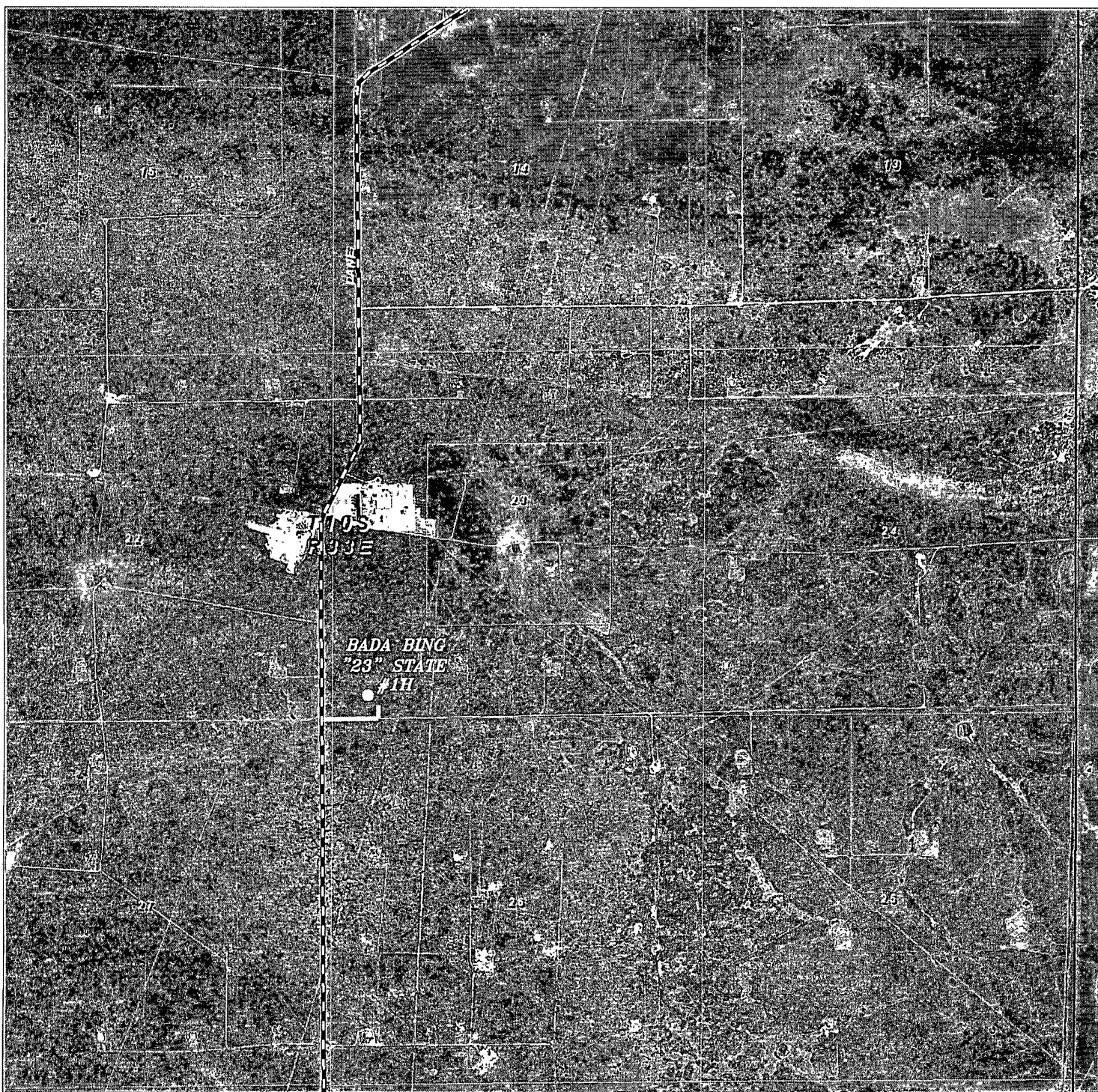
Survey Date: 05-29-2009

Scale: 1" = 2 Miles

Date: 06-01-2009



CAZA
OPERATING,
LLC



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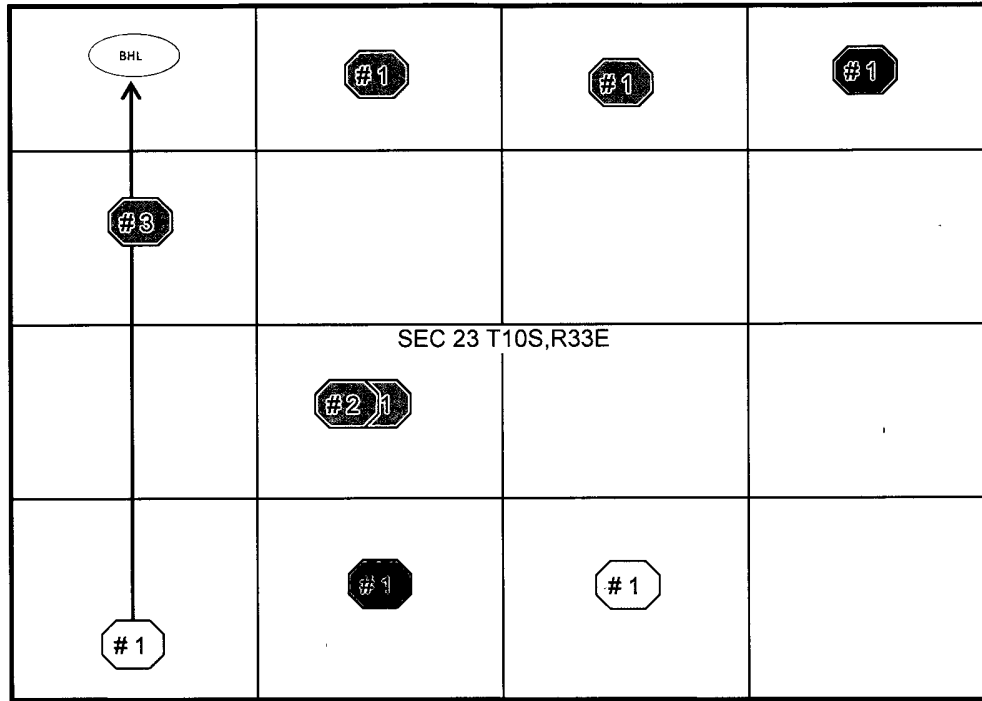
Scale: 1" = 2000'

YELLOW TINT - USA LAND
 BLUE TINT - STATE LAND
 NATURAL COLOR - FEE LAND

CAZA
OPERATING,
LLC

Bada Bing Prospect Wolfcamp Horizontal

Sec 23, T-10-S, R-33-E, Lea County, New Mexico



Well Name	Surface Location	Depth and Strata	Current Prod Zone	Bottom Hole Location 8800 tvd	
Bada Bing 23 St # 1H	510 FSL & 660 FWL	TD = 8800 Wolfcamp Horiz	Proposed	510 FNL & 660 FWL	Caza Operating Proposal
Midwest State #1	1980 FSL & 1980 FWL	TD = 10,000 Penn Dr'd 1962	P&A	Same	Delaware Apache Corp
British America # 1	660 FSL & 1980 FEL	TD = 9812 Penn Dr'd 1963	P&A	Same	Boren & Major & Giebel Oils
Warren State 23 #1	810 FNL & 1980 FEL	TD = 9812 Penn Dr'd 1967	P&A	Same	H.C. Hood
Midwest "A" State #1	660 FNL & 1980 FWL	TD = 9792 Penn Dr'd 1967	P&A	Same	Delaware Apache Corp
N.M. AQ State NCT-5 # 1	660 FNL & 660 FEL	TD = 9900 Penn Dr'd 1967	P&A	Same	Texaco Inc
Warren State 23 #2	1980 FSL & 1830 FWL	TD = 9831 Penn Dr'd 1967	P&A	Same	H.C. Hood
Midwest State #3	1909 FNL & 791 FWL	TD = 9830 Penn Dr'd 1968	P&A	Same	Delaware Apache Corp
Nine Ranch # 1	660 FSL & 1980 FWL	TD = 9835 Penn Dr'd 1968	P&A	Same	Charles Read

LONG's METHOD OF SURVEY COMPUTATION**OBLIQUE CIRCULAR ARC INTERPOLATION**

6000	MD OF INTERPOLATION DEPTH,(feet)
#N/A	TVD COORDINATE OF THE DEPTH (feet)
#N/A	N/S COORDINATE OF DEPTH (feet)
#N/A	EW COORDINATE OF DEPTH (feet)

3 D DISTANCE BETWEEN STATION A AND STATION B

DISTANCE TABLE

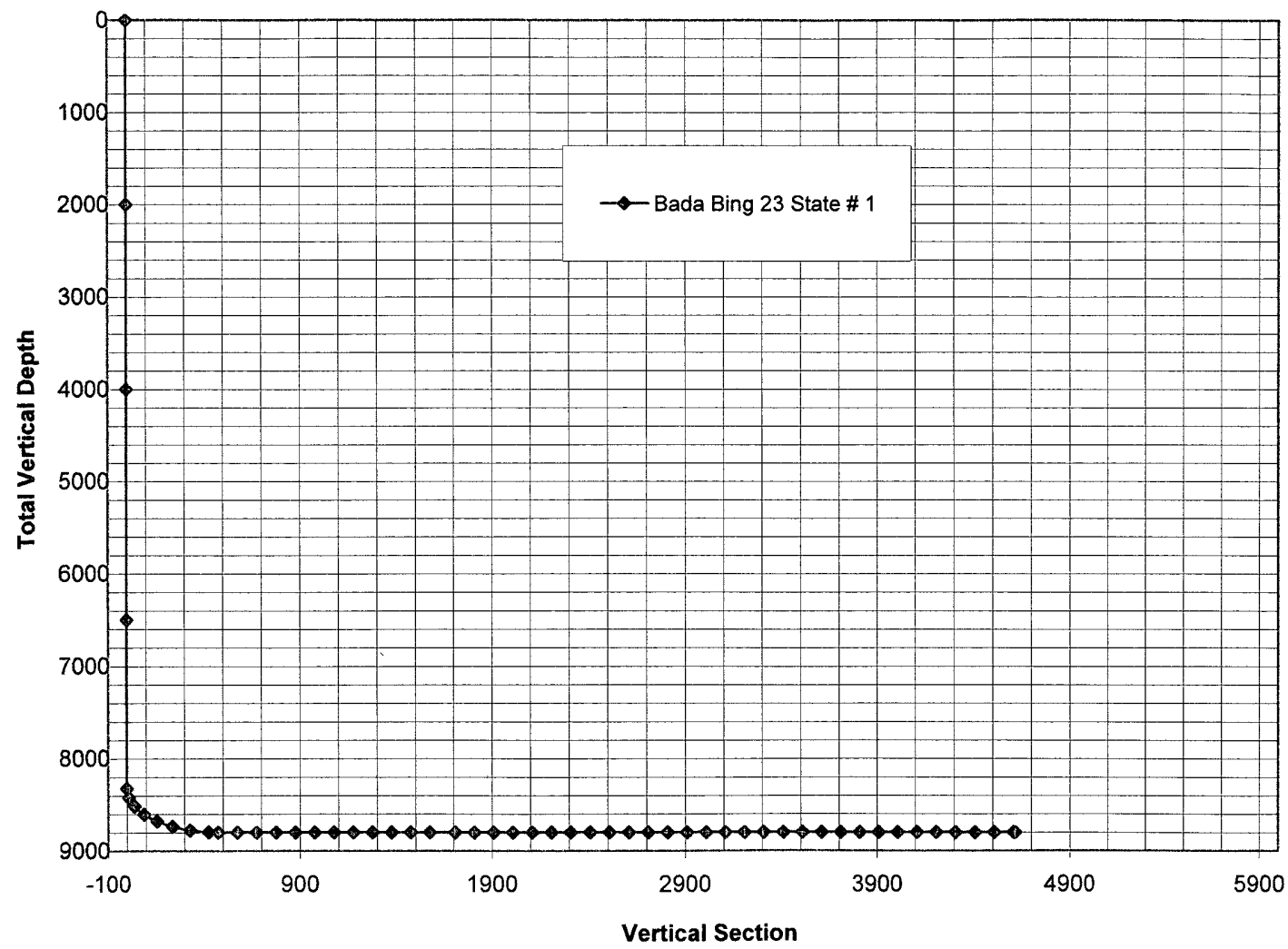
STATION A	STATION B
400.00	600.00
300.00	400.00
100.00	300.00
300.00	ft

TABLE OF SURVEY STATIONS

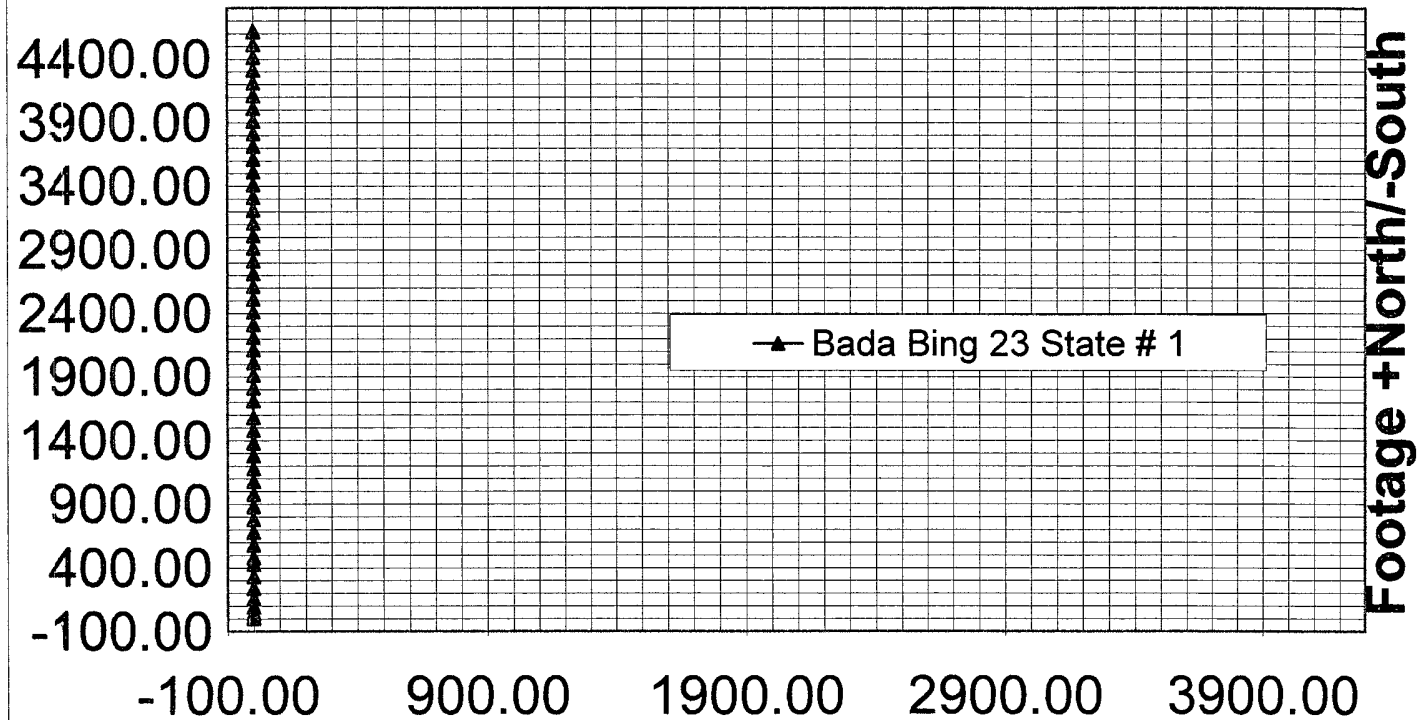
Calculator =

STA #	ΔMD ft	INCL deg	AZIM deg	MD ft	TVD ft	N+S- ft	E+W- ft	DLS deg/100FT
1	TIE POINT =>	0	0	8323.00	8323.00	0.00	0.00	-
2	100	12	0	8423.00	8422.27	10.43	0.00	12.00
3	100	24	0	8523.00	8517.20	41.28	0.00	12.00
4	100	36	0	8623.00	8603.65	91.19	0.00	12.00
5	100	48	0	8723.00	8677.83	157.98	0.00	12.00
6	100	60	0	8823.00	8736.50	238.73	0.00	12.00
7	100	72	0	8923.00	8777.10	329.92	0.00	12.00
8	100	84	0	9023.00	8797.85	427.56	0.00	12.00
9	50	90	0	9073.00	8800.46	477.46	0.00	12.00
10	100	90	0	9173.00	8800.46	577.46	0.00	0.00
11	100	90	0	9273.00	8800.46	677.46	0.00	0.00
12	100	90	0	9373.00	8800.46	777.46	0.00	0.00
13	100	90	0	9473.00	8800.46	877.46	0.00	0.00
14	100	90	0	9573.00	8800.46	977.46	0.00	0.00
15	100	90	0	9673.00	8800.46	1077.46	0.00	0.00
16	100	90	0	9773.00	8800.46	1177.46	0.00	0.00
17	100	90	0	9873.00	8800.46	1277.46	0.00	0.00
18	100	90	0	9973.00	8800.46	1377.46	0.00	0.00
19	100	90	0	10073.00	8800.46	1477.46	0.00	0.00
20	100	90	0	10173.00	8800.46	1577.46	0.00	0.00
21	133	90	0	10306.00	8800.46	1710.46	0.00	0.00
22	100	90	0	10406.00	8800.46	1810.46	0.00	0.00
23	100	90	0	10506.00	8800.46	1910.46	0.00	0.00
24	100	90	0	10606.00	8800.46	2010.46	0.00	0.00
25	100	90	0	10706.00	8800.46	2110.46	0.00	0.00
26	100	90	0	10806.00	8800.46	2210.46	0.00	0.00
27	100	90	0	10906.00	8800.46	2310.46	0.00	0.00
28	100	90	0	11006.00	8800.46	2410.46	0.00	0.00
29	100	90	0	11106.00	8800.46	2510.46	0.00	0.00
30	100	90	0	11206.00	8800.46	2610.46	0.00	0.00
31	100	90	0	11306.00	8800.46	2710.46	0.00	0.00
32	100	90	0	11406.00	8800.46	2810.46	0.00	0.00
33	100	90	0	11506.00	8800.46	2910.46	0.00	0.00
34	100	90	0	11606.00	8800.46	3010.46	0.00	0.00
35	100	90	0	11706.00	8800.46	3110.46	0.00	0.00
36	100	90	0	11806.00	8800.46	3210.46	0.00	0.00
37	100	90	0	11906.00	8800.46	3310.46	0.00	0.00
38	100	90	0	12006.00	8800.46	3410.46	0.00	0.00
39	100	90	0	12106.00	8800.46	3510.46	0.00	0.00
40	100	90	0	12206.00	8800.46	3610.46	0.00	0.00
41	100	90	0	12306.00	8800.46	3710.46	0.00	0.00
42	100	90	0	12406.00	8800.46	3810.46	0.00	0.00
43	100	90	0	12506.00	8800.46	3910.46	0.00	0.00
44	100	90	0	12606.00	8800.46	4010.46	0.00	0.00
45	100	90	0	12706.00	8800.46	4110.46	0.00	0.00
46	100	90	0	12806.00	8800.46	4210.46	0.00	0.00
47	100	90	0	12906.00	8800.46	4310.46	0.00	0.00
48	100	90	0	13006.00	8800.46	4410.46	0.00	0.00
49	100	90	0	13106.00	8800.46	4510.46	0.00	0.00
50	100	90	0	13206.00	8800.46	4610.46	0.00	0.00
51	9	90	0	13215.00	8800.46	4619.46	0.00	0.00

Bada Bing 23 State # 1

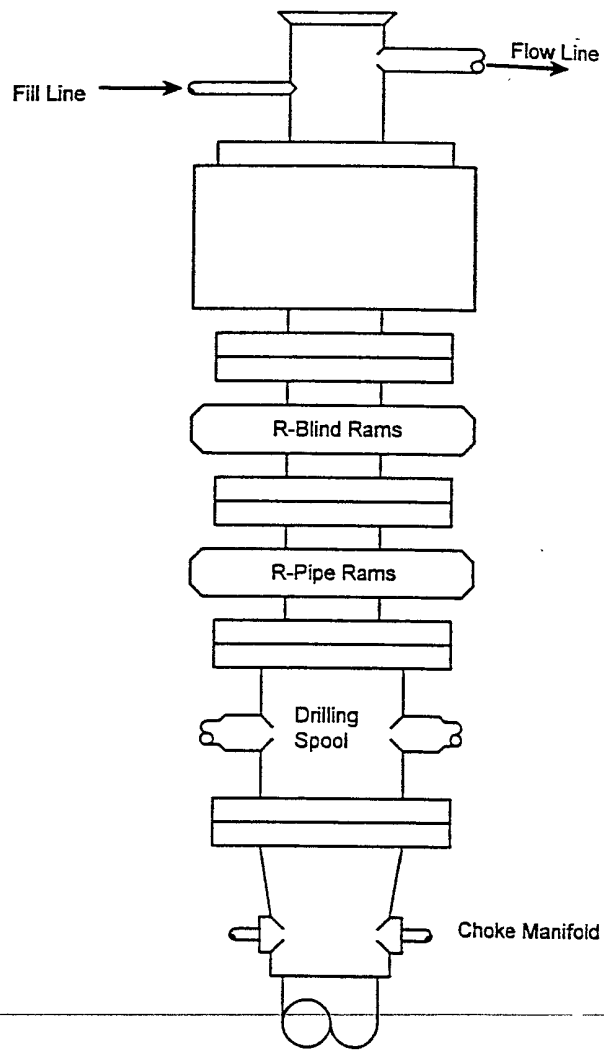


Horizontal Plane Footage -West/+East



BLOWOUT PREVENTER SYSTEM

5000 PSI



Type 1500 SERIES
5000 psi WP

Choke Manifold Assembly for 5M WP System

