

District I

1625 N. French Dr., Hobbs, NM 88249

District II

1301 W. Grand Avenue, Artesia, NM 88210

District III

1000 Rio Brazos Road, Aztec, NM 87401

District IV

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

State of New Mexico

RECEIVED

Energy Minerals and Natural Resources

Form C-101

June 16, 2008

JUN 17 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 ✓
Property Code 37721		API Number 30 - 025-39448
Property Name MOORE BAILOUT "11" STATE		Well No. # 1 ✓
Proposed Pool 1 WILDCAT-ABO ✓		Proposed Pool 2

Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	11	11S	32E		660'	660' N	990'	EAST	LEA ✓

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
P	11	11S	32E		330'	SOUTH	660'	EAST	LEA

Additional Well Information

Work Type Code N	Well Type Code O	Cable/Rotary ROTARY	Lease Type Code S	Ground Level Elevation 4362'
Multiple NO	Proposed Depth MD-12, 035' TVD-8262'	Formation WOLFCAMP	Contractor RW DRILLING CO.	Spud Date WHEN APPROVED

Proposed Casing and Cement Program

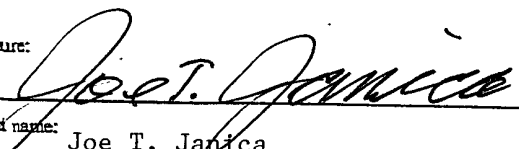
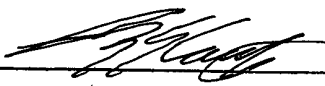
Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
26"	20"	Conductor	40'	Redi-mix	Surface
17 1/2"	13 3/8"	54.5#	500'	400 Sx.	Surface
12 1/4"	9 5/8"	40 & 36#	4500'	1150 Sx.	Surface
8 3/4"	7"	26#	8535' MD	1000 Sx.	
6 1/8"	4 1/2"	11.6	4660' Liner	*	

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.

* Production Liner Sleeve/Packer Assembly

SEE ATTACHED SHEET FOR DETAIL

**Permit Expires 2 Years From Approval
Date Unless Drilling Underway**

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: 		Approved by: 	
Printed name: Joe T. Janica		Title: PETROLEUM ENGINEER	
Title: Permit Eng.		Approval Date:	Expiration Date:
E-mail Address: joejanica@valornet.com		JUN 23 2009	
Date: 06/17/09	Phone: 575-391-8503	Conditions of Approval Attached ☐	

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State of New Mexico

Energy, Minerals and Natural Resources Department

Form C-102

Revised October 12, 2005

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

RECEIVED

JUN 17 2009

HOBBSD

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, New Mexico 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 3D-025-39448	Pool Code ✓	Pool Name WILDCAT-ABO
Property Code 37721	Property Name MOORE BAILOUT "11" STATE	Well Number 1H
OGRID No. 249099	Operator Name CAZA OPERATING, LLC	Elevation 4362'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	11	11 S	32 E		660	NORTH	990	EAST	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
P	11	11 S	32 E		330	SOUTH	660	EAST	LEA

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
160			

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

SURFACE LOCATION Lat - N 33°23'09.06" Long - W 103°40'58.68" NMSPCE- N 868543.4 E 739853.8 (NAD-83) POE 1136' FNL & 953' FEL PROJECT AREA PRODUCING AREA BOTTOM HOLE LOCATION Lat - N 33°22'26.58" Long - W 103°40'54.79" NMSPCE- N 864251.101 E 740210.682 (NAD-83)	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 06/17/09 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. JUNE 3, 2009 Date Surveyed <i>W. O. Jones</i> Signature & Seal of Professional Surveyor 7977 W.O. No. 21426 7977 Certificate No. Gary L. Jones BASIN SURVEYS

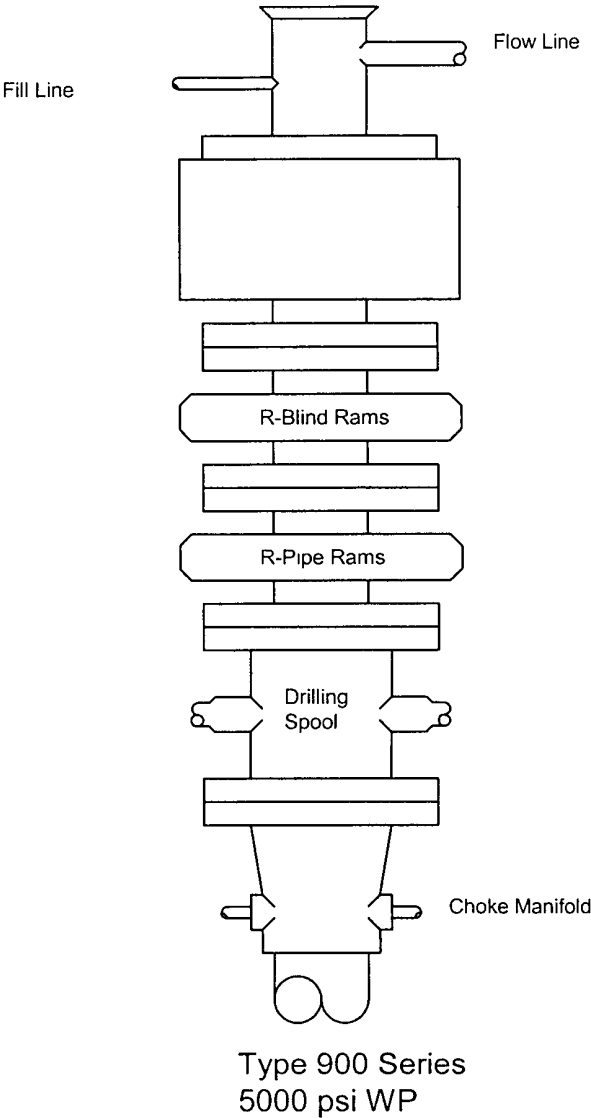
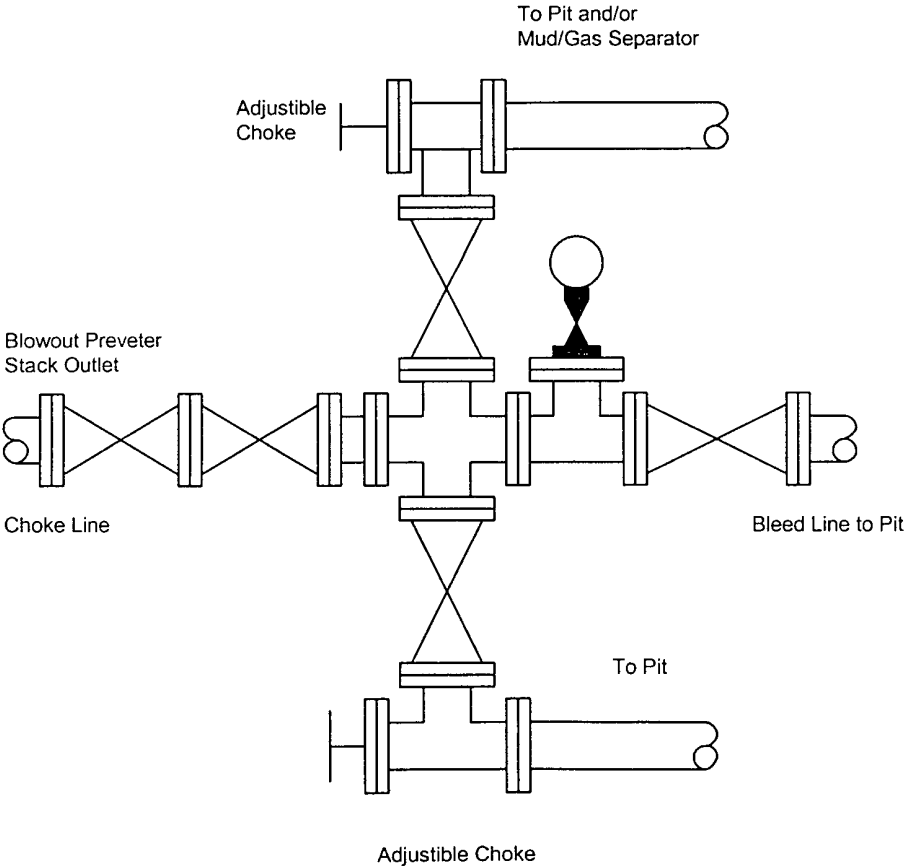
1. Drill 26" hole to 40'. Set 40' of 20" conductor pipe and cement to surface with Redi-mix.
2. Drill 17½" hole to 500'. Run and set 500' of 13 3/8" 54.5# J-55 ST&C casing. Cement with 250 Sx. of 35/65 Class "C" POZ + 6% Gel, + 5% Salt, Yield 1.89, tail in with 150 Sx. of Class "C" cement + 2% CaCl, yield 1.32, circulate cement to surface.
3. Drill 12¼" hole to 4500'. Run and set 4500' of 9 5/8" casing as follows: 1300' of 9 5/8" 40# HCK-55 LT&C, 3200' of 9 5/8" 36# J-55 LT&C. Cement with 950 Sx. of 35/65 Class "C" POZ, + 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 8600'. Run open-hole logs. Go in hole and set a 350 Sx. Class "H" cement plug, go in hole and dress of cement plug to 7775±' (KOP point). Drill 8 3/4" hole to end of curve 8535±'. Run and set 8535' of 7" casing as follows: 735' of 7" 26# P-110 BT&C, & 7800' of 7" 26# P-110 LT&C casing. Cement with 800 Sx. of TXI Class "H" Light cement Yield 1.25, tail in with 200 Sx. of TXI Class "H" cement Yield 1.18.
5. Drill 6 1/8" horizontal hole to a Measured depth of 12,035'±. Run 4660±' of 4½" 11.6# P-110 BT&C liner with Pkr/Sliding Sleeve Completion Assembly to set expandable liner hanger at 7375±'.

This well will be drilled using a closed mud system and a 5000 PSI B.O.P.

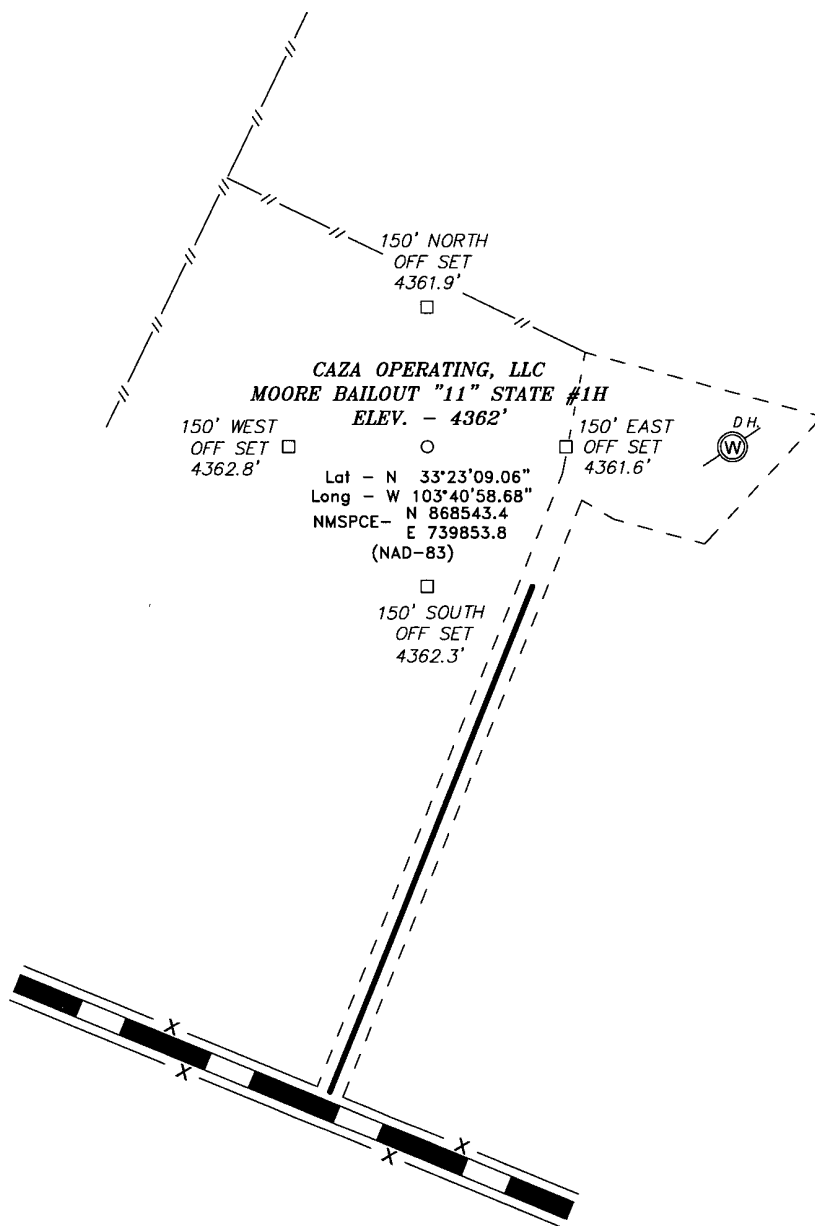
BLOWOUT PREVENTER SYSTEM

5000 PSI

Choke Manifold Assembly for 5M WP System

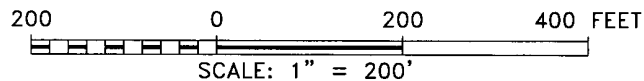


SECTION 11, TOWNSHIP 11 SOUTH, RANGE 32 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO.



Directions to Location:

FROM MILE MARKER 220 OF HWY 380, GO
NORTHWESTERLY ON HWY 380 FOR 330' TO LEASE
ROAD, ON LEASE ROAD GO NORTHEAST FOR 0.26
MILES TO PAD AND PROPOSED LOCATION.



CAZA OPERATING, LLC

REF: MOORE BAILOUT "11" STATE #1H / WELL PAD TOPO

THE MOORE BAILOUT "11" STATE #1H LOCATED 660'
FROM THE NORTH LINE AND 990' FROM THE EAST LINE OF
SECTION 11, TOWNSHIP 11 SOUTH, RANGE 32 EAST,
N.M.P.M., LEA COUNTY, NEW MEXICO.

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

W.O. Number: 21426

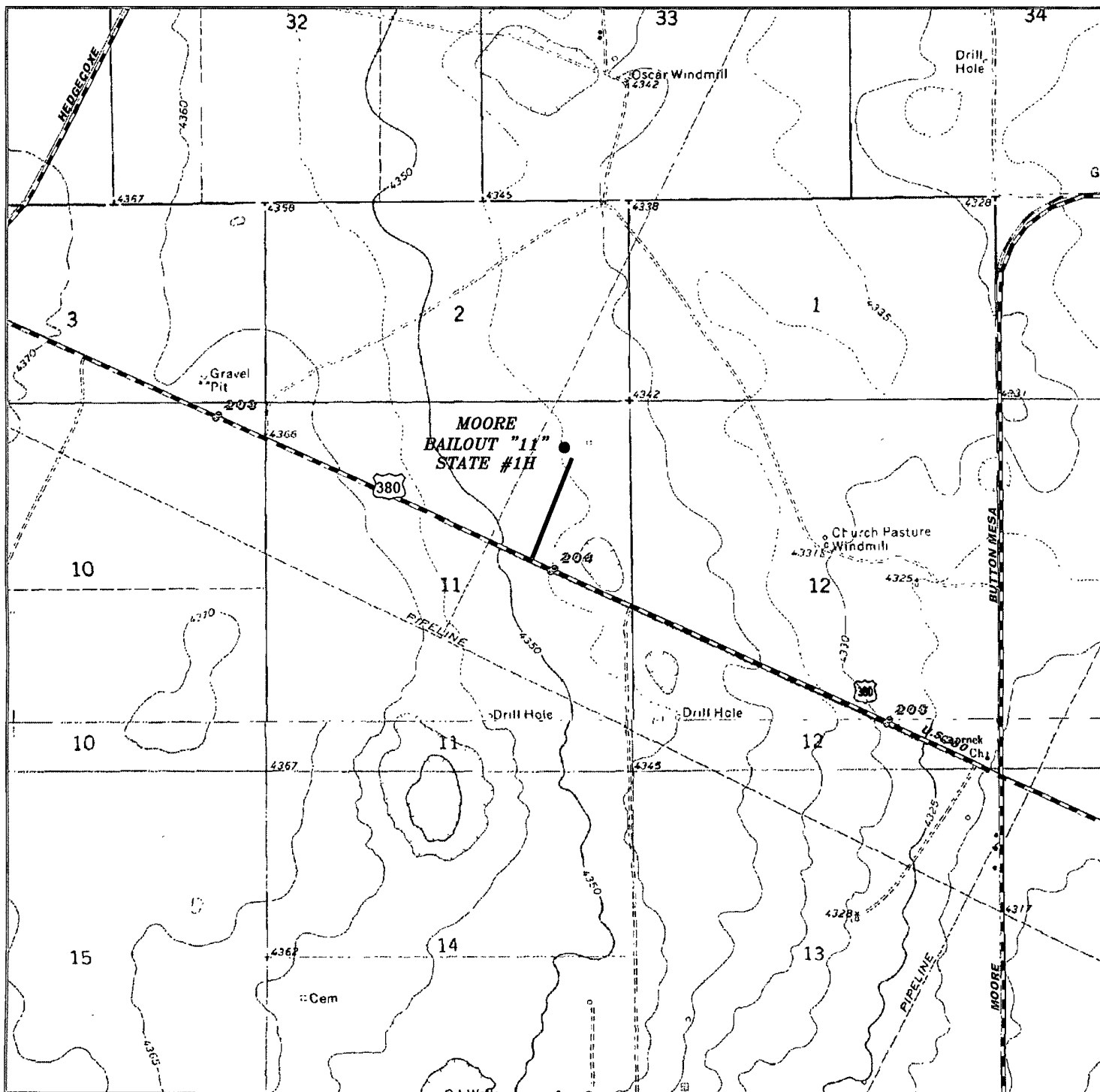
Drawn By: J. SMALL

Date: 06-04-2009

Disk: JMS 21426

Survey Date: 06-03-2009

Sheet 1 of 1 Sheets



MOORE BAILOUT "11" STATE #1
 Located 660' FNL and 990' FEL
 Section 11, Township 11 South, Range 32 East,
 N.M.P.M., Lea County, New Mexico.



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 21426

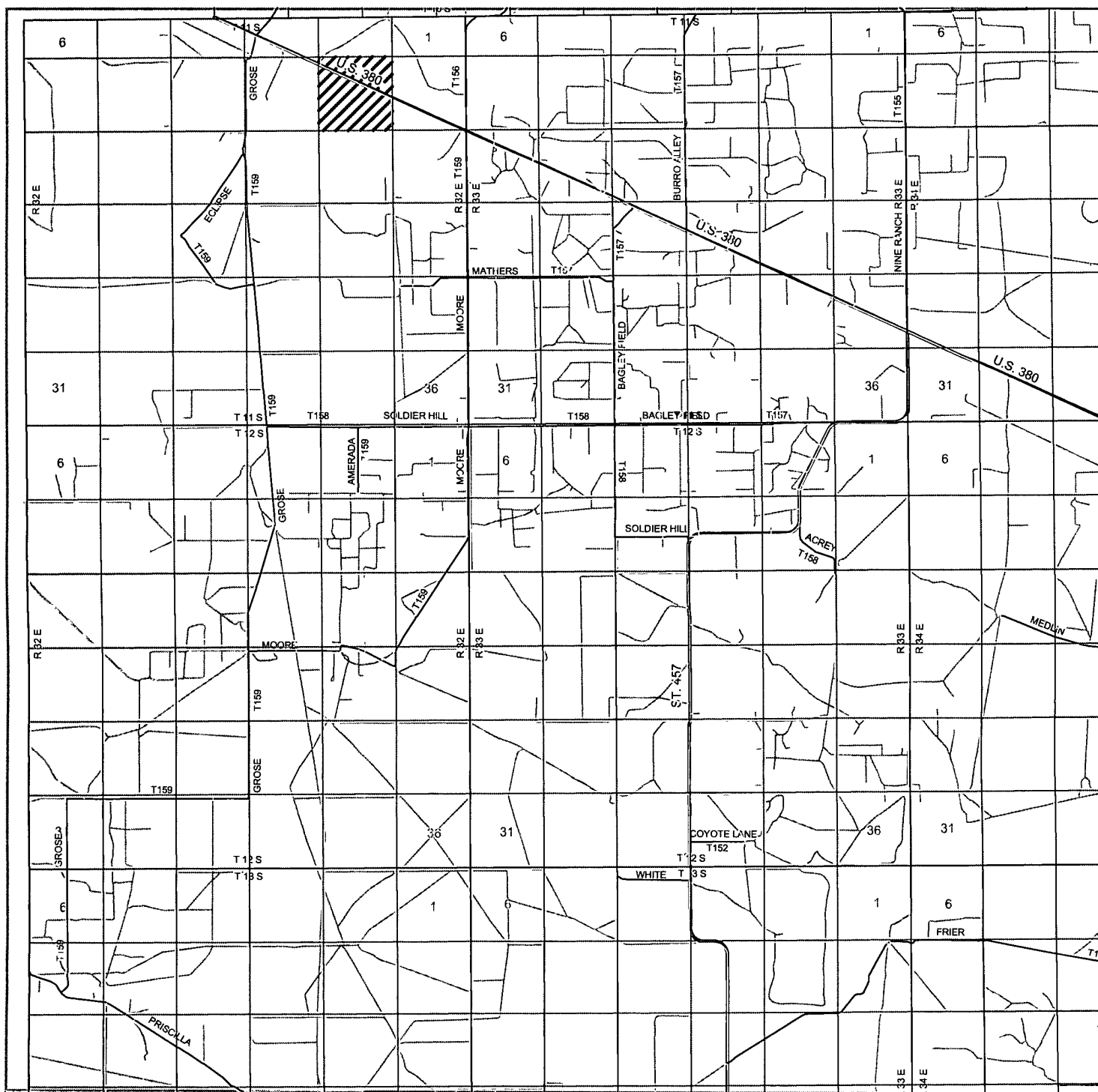
Survey Date: 06-03-2009

Scale: 1" = 2000'

Date: 06-04-2009



**CAZA
 OPERATING,
 LLC**



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 Located 660' FNL and 990' FEL
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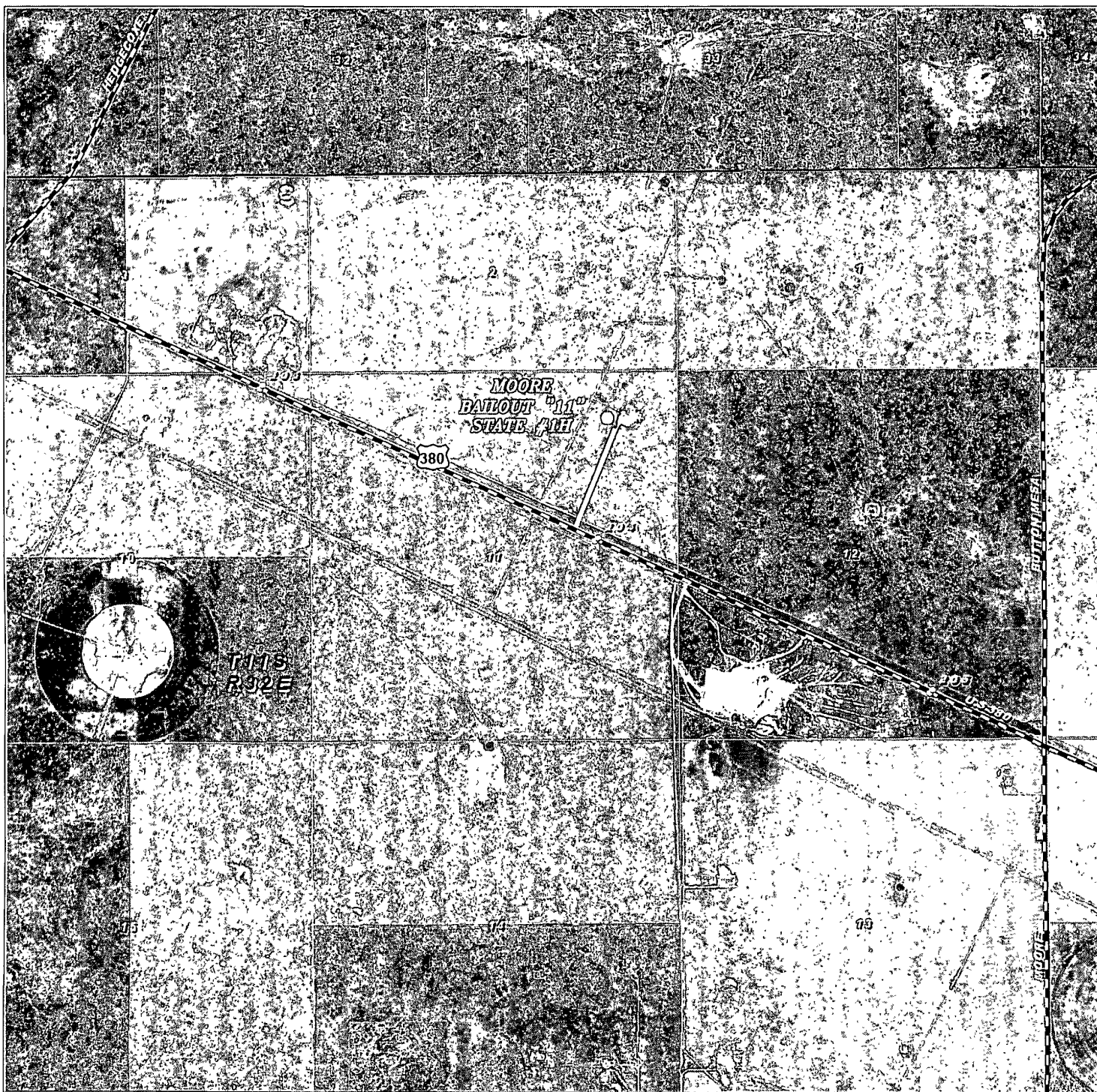
Survey Date: 06-03-2009

Scale: 1" = 2 Miles

Date: 06-04-2009



CAZA
OPERATING,
LLC



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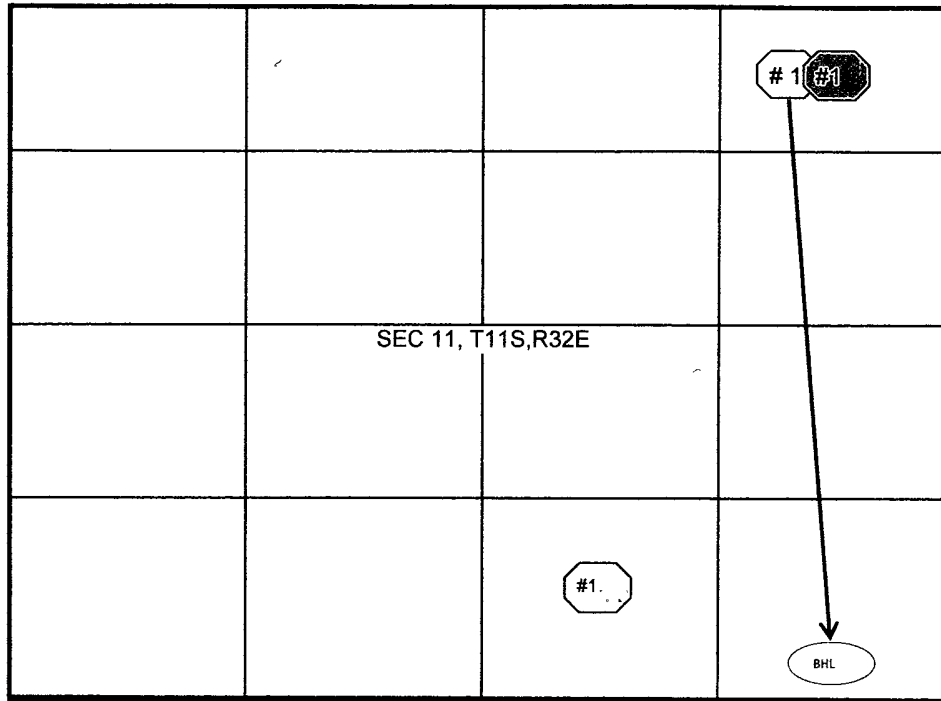
Scale: 1" = 2000'

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

CAZA
OPERATING,
LLC

Moore Bailout 11 State # 1 Wolfcamp Horizontal

Sec 11, T-11-S, R-32-E, Lea County, New Mexico



Well Name	Surface Location	Depth and Strata	Current Prod Zone	Bottom Hole Location 8350 tvd	
Moore Bailout 11 State # 1	660 FNL & 990 FEL	TD = 8600 Abo Wolfcamp	Vertical in Penn	330 FSL & 660 FEL	Horizontal in Wolfcamp
State Com Unit # 1	660 FNL & 660 FEL	TD = 10,632 Miss	Produced & PA'd	Same	W.O.G
State MHB # 1	660 FSL & 1980 FEL	TD = 11,060 Miss	Drilled & Abandoned	Same	Amerada Petroleum Corp

COPYRIGHT 1990 MITCHELL ENGINEERING, PO BOX 1492. GOLDEN, CO, 80402, USA (303) 273 3744

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	E/W COORDINATE OF DEPTH (feet)

3 D DISTANCE BETWEEN STATION A AND STATION B

DISTANCE TABLE

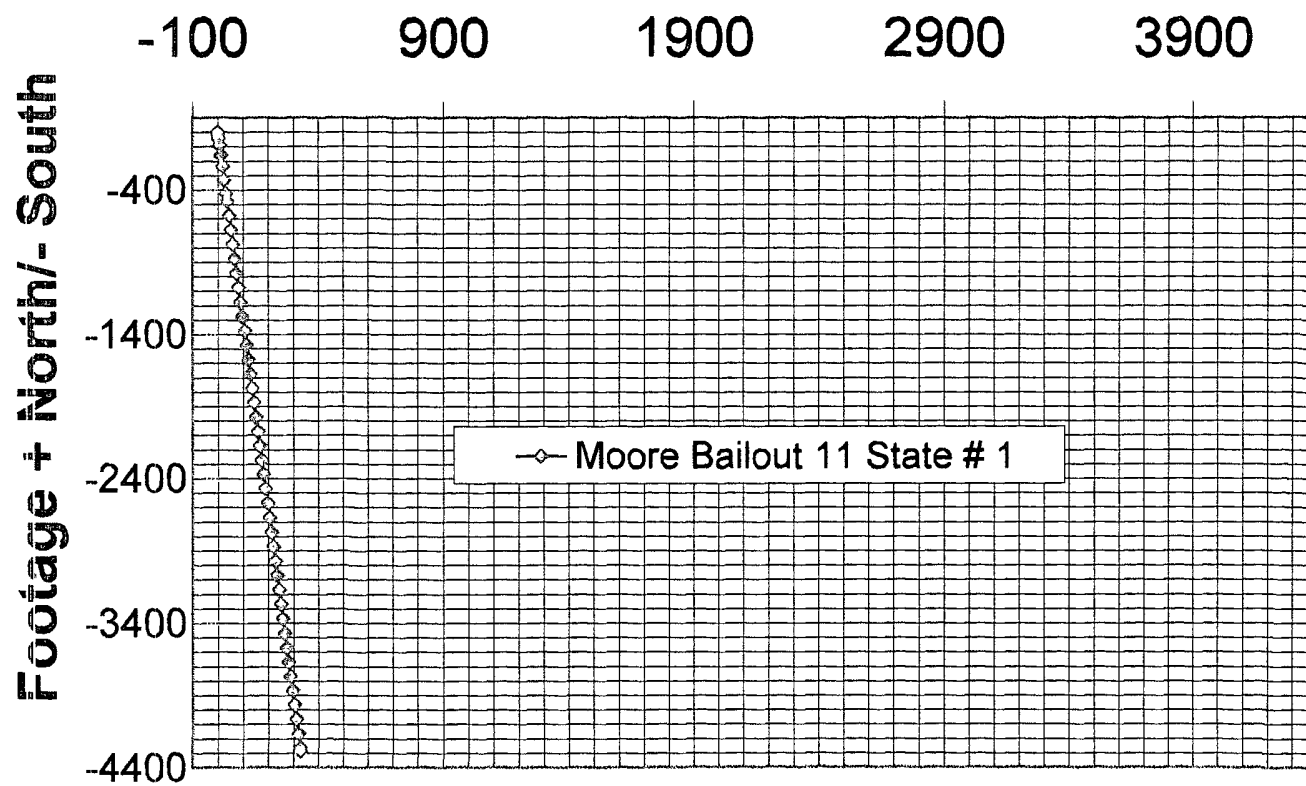
STATION A	STATION B
400.00	600.00
300.00	400.00
100.00	300.00
300.00	ft

Calculator =

TABLE OF SURVEY STATIONS

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	7785.00	7785.00	0.00	0.00	-
2	100	12	175.6013	7885.00	7884.27	-10.40	0.80	12.00
3	100	24	175.6013	7985.00	7979.20	-41.16	3.17	12.00
4	100	36	175.6013	8085.00	8065.65	-90.92	6.99	12.00
5	100	48	175.6013	8185.00	8139.83	-157.51	12.12	12.00
6	100	60	175.6013	8285.00	8198.50	-238.03	18.31	12.00
7	100	72	175.6013	8385.00	8239.10	-328.95	25.30	12.00
8	100	84	175.6013	8485.00	8259.85	-426.30	32.79	12.00
9	50	90	175.6013	8535.00	8262.46	-476.06	36.62	12.00
10	100	90	175.6013	8635.00	8262.46	-575.76	44.29	0.00
11	100	90	175.6013	8735.00	8262.46	-675.47	51.96	0.00
12	100	90	175.6013	8835.00	8262.46	-775.17	59.63	0.00
13	100	90	175.6013	8935.00	8262.46	-874.88	67.30	0.00
14	100	90	175.6013	9035.00	8262.46	-974.59	74.97	0.00
15	100	90	175.6013	9135.00	8262.46	-1074.29	82.64	0.00
16	100	90	175.6013	9235.00	8262.46	-1174.00	90.31	0.00
17	100	90	175.6013	9335.00	8262.46	-1273.70	97.98	0.00
18	100	90	175.6013	9435.00	8262.46	-1373.41	105.65	0.00
19	100	90	175.6013	9535.00	8262.46	-1473.11	113.32	0.00
20	100	90	175.6013	9635.00	8262.46	-1572.82	120.99	0.00
21	100	90	175.6013	9735.00	8262.46	-1672.52	128.66	0.00
22	100	90	175.6013	9835.00	8262.46	-1772.23	136.33	0.00
23	100	90	175.6013	9935.00	8262.46	-1871.93	143.99	0.00
24	100	90	175.6013	10035.00	8262.46	-1971.64	151.66	0.00
25	100	90	175.6013	10135.00	8262.46	-2071.35	159.33	0.00
26	100	90	175.6013	10235.00	8262.46	-2171.05	167.00	0.00
27	100	90	175.6013	10335.00	8262.46	-2270.76	174.67	0.00
28	100	90	175.6013	10435.00	8262.46	-2370.46	182.34	0.00
29	100	90	175.6013	10535.00	8262.46	-2470.17	190.01	0.00
30	100	90	175.6013	10635.00	8262.46	-2569.87	197.68	0.00
31	100	90	175.6013	10735.00	8262.46	-2669.58	205.35	0.00
32	100	90	175.6013	10835.00	8262.46	-2769.28	213.02	0.00
33	100	90	175.6013	10935.00	8262.46	-2868.99	220.69	0.00
34	100	90	175.6013	11035.00	8262.46	-2968.69	228.36	0.00
35	100	90	175.6013	11135.00	8262.46	-3068.40	236.03	0.00
36	100	90	175.6013	11235.00	8262.46	-3168.11	243.70	0.00
37	100	90	175.6013	11335.00	8262.46	-3267.81	251.37	0.00
38	100	90	175.6013	11435.00	8262.46	-3367.52	259.04	0.00
39	100	90	175.6013	11535.00	8262.46	-3467.22	266.71	0.00
40	100	90	175.6013	11635.00	8262.46	-3566.93	274.38	0.00
41	100	90	175.6013	11735.00	8262.46	-3666.63	282.05	0.00
42	100	90	175.6013	11835.00	8262.46	-3766.34	289.72	0.00
43	100	90	175.6013	11935.00	8262.46	-3866.04	297.39	0.00
44	100	90	175.6013	12035.00	8262.46	-3965.75	305.06	0.00

Horizontal Plane
Footage + East/-West



Moore Bailout 11 State # 1

