

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505

RECEIVED

State of New Mexico
Energy Minerals and Natural Resources

Form C-101
June 16, 2008

OCT 04 2010
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

¹ Operator Name and Address Marshall & Winston P.O Box 50880 Midland, TX 79710-0880		² OGRID Number 014187
³ Property Code 97715 38337	⁵ Property Name State 31	³ API Number 30 - 025 - 39933
⁹ Proposed Pool 1 Anderson Ranch Wolfcamp North		¹⁰ Proposed Pool 2

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
A	31	15 South	32 East	N/A	330	North	460	East	Lea

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
P	31	15 South	32 East	N/A	330	South	660	East	Lea

Additional Well Information

¹¹ Work Type Code N	¹² Well Type Code O	¹³ Cable/Rotary R	¹⁴ Lease Type Code S	¹⁵ Ground Level Elevation 4,359'
¹⁶ Multiple N	¹⁷ Proposed Depth 8,700 Ft	¹⁸ Formation Lower Abo/Wolfcamp	¹⁹ Contractor McVay Drilling	²⁰ Spud Date Estimated October 8-15 th , 2010

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	400	450	To surface
12 1/4	9 5/8	36 & 40	3,050	1100	To surface
8 3/4	7.0	26.0	8,974	665	3,450'
6 1/4	4 1/2	11.0	13,250	700	8,170'

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.

We propose to drill a horizontal well to the Abo/Wolfcamp horizon. Set a 20" conductor at 40 ft., then spud hole with a 17 1/2 inch bit, drill to 400 ft with fresh water, set 13 3/8 " casing and circulate to surface. NU a 3,000 BOPE, Well Head and test to 2,000 psi. Continue drilling with a 12 1/4 inch hole with brine to 4,050', set 9 5/8 " casing, circulate cement to surface, continue drilling with a 8 3/4" hole using cut brine to 8,918', and set 7.0 inch casing, circulate TOC to 3,450'. Evaluate Abo / Wolfcamp zones, if decision is to continue, then we will choose the best KO point which should be approximately 8,700 ft and drill a 6 1/8 " horizontal hole to a measured depth from surface to 13,015', to the desired BHL. An evaluation will be made before production facilities are confirmed and the OCD may distinguish which formation completion is in. A sundry notice with the facility plans will be submitted.

**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.

Signature: 	OIL CONSERVATION DIVISION	
	Approved by:	
Printed name: Vernon D. Dyer	Title:	PETROLEUM ENGINEER
Title: Agent	Approval Date:	OCT 06 2010
E-mail Address: Vdyeroil@cableone.com	Expiration Date:	
Date: October 4 th , 2010	Phone: (575) 420-0355	Conditions of Approval Attached <input type="checkbox"/>

CDT

RECEIVED

OCT 05 2010

HOBBSOCK

DISTRICT I
1625 N. FRENCH DR., HOBBES, NM 88240

DISTRICT II
1301 W. GRAND AVENUE, ARTESIA, NM 88210

DISTRICT III
1000 RIO BRAZOS RD., AZTEC, NM 87410

DISTRICT IV
1330 S. ST. FRANCIS DR., SANTA FE, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
1330 SOUTH ST. FRANCIS DR.
Santa Fe, New Mexico 87505

Form C-101
Revised October 12, 2005
Submit to Appropriate District Office
State License - 4 Copies
Fee License - 3 Copies

WELL LOCATION AND ACREAGE DEDICATION PLAT

AMENDED REPORT

API Number 30-025-39933	Pool Code 1920	Pool Name Anderson Ranch Wolfcamp N
Property Code 38337	Property Name STATE 31	Well Number 1H
OGRID No. 14187	Operator Name MARSHALL & WINSTON, INC.	Elevation 4329'

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	31	15-S	32-E		330	NORTH	460	EAST	LEA

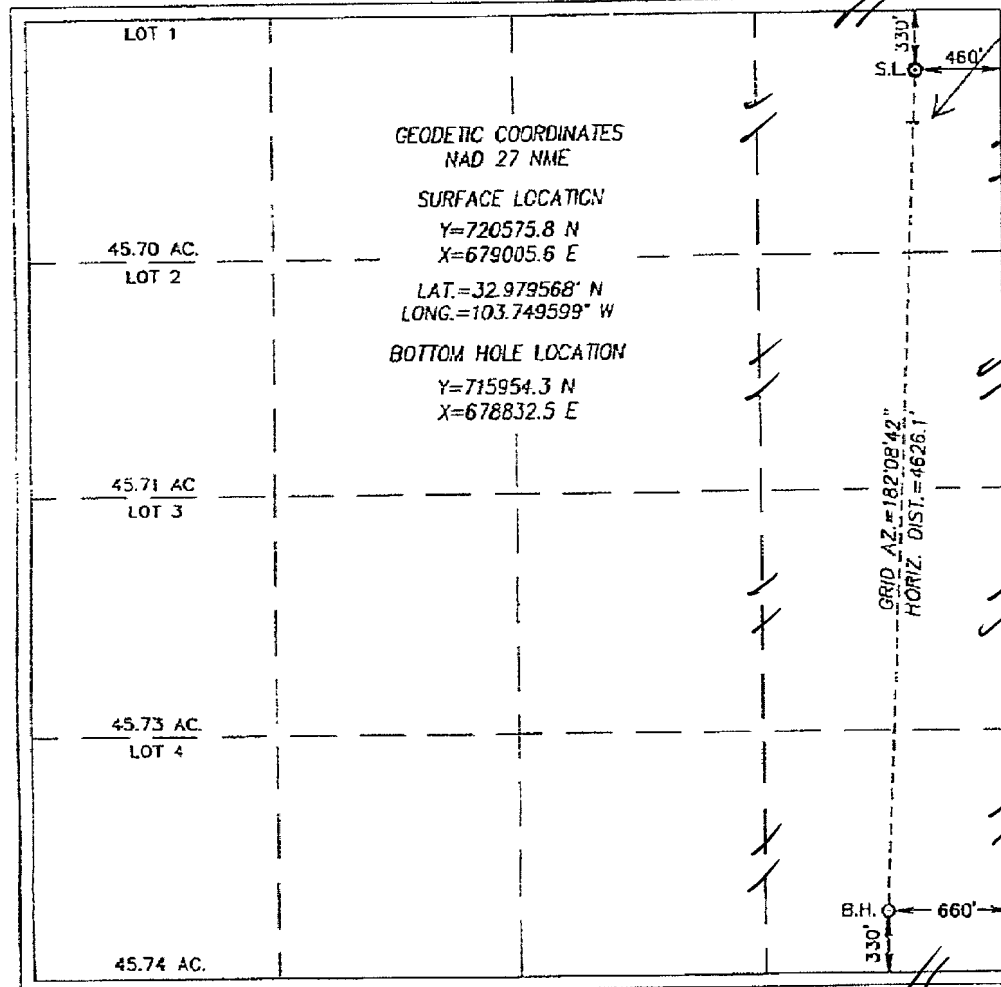
Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	31	15-S	32-E		330	SOUTH	660	EAST	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
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

Penetration Point
660' FNL & 475' FEL



OPERATOR CERTIFICATION

I hereby certify that the information hereon is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unless mineral interests in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order be entered by the division.

Vernon D. Dyer 10-4-10
Signature Date

VERNON D. DYER
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.

GARY G. EIDSON
MARCH 2, 2010

Date Surveyed: _____
Signature & Seal of Professional Surveyor

Gary Eidson 3/15/10
1011 G286

Certificate No. GARY G. EIDSON 12641
RONALD J. EIDSON 3239

DISTRICT I
1625 N. FRENCH DR., HOBBS, NM 88240

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102

DISTRICT II
1301 W. GRAND AVENUE, ARTESIA, NM 88210

OIL CONSERVATION DIVISION
1330 SOUTH ST. FRANCIS DR.
Santa Fe, New Mexico 87505

Revised October 12, 2005
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

DISTRICT III
1000 RIO BRAZOS RD., AZTEC, NM 87410

DISTRICT IV
1330 S. ST. FRANCIS DR., SANTA FE, NM 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

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Property Code 38337	Property Name STATE 31	Well Number 1H
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A	31	15-S	32-E		330	NORTH	460	EAST	LEA

Bottom Hole Location If Different From Surface

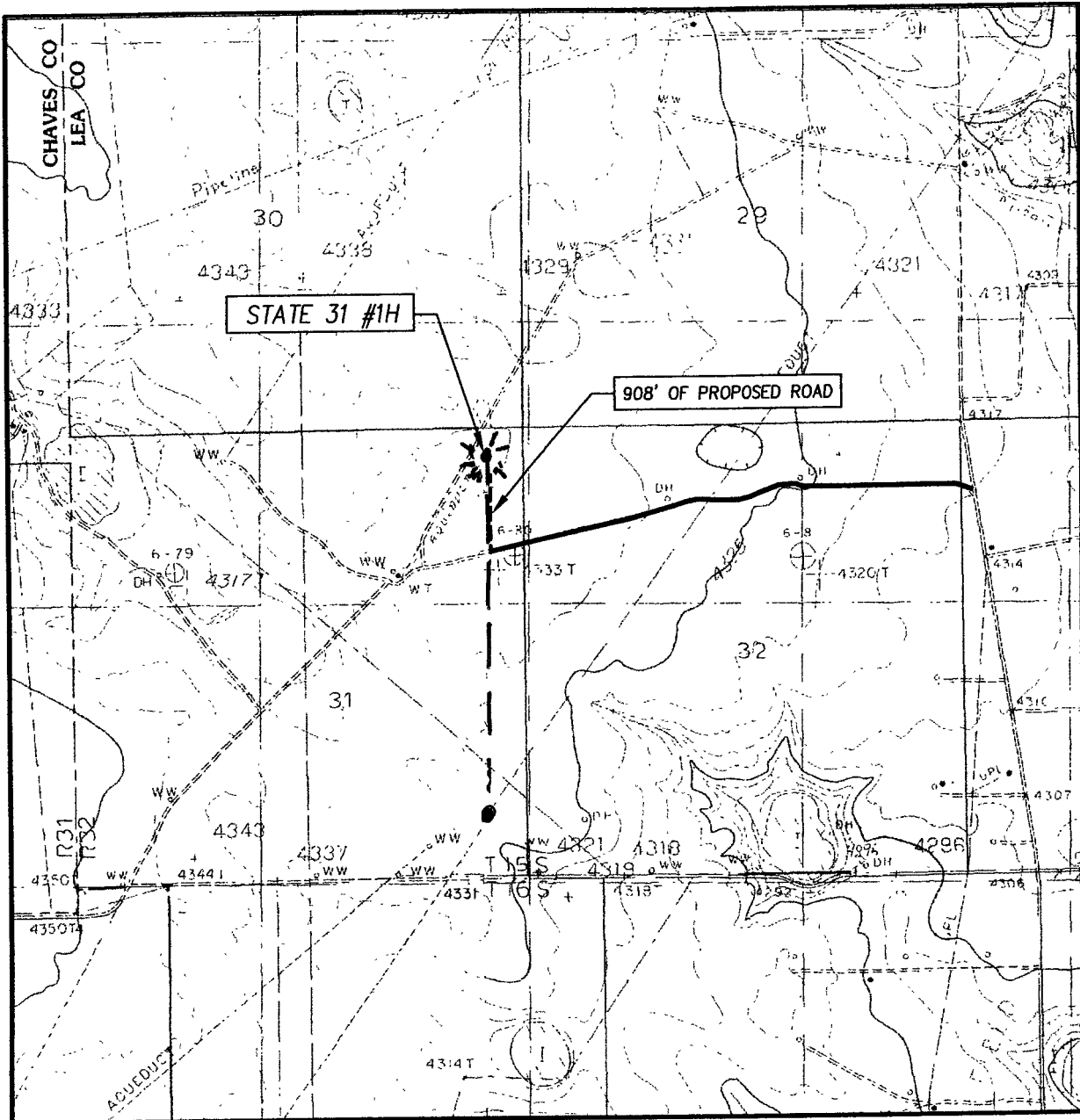
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	31	15-S	32-E		330	SOUTH	660	EAST	LEA

Dedicated Acres 160	Joint or Infill	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

LOT 1 45.70 AC.	<p>GEODETIC COORDINATES NAD 27 NME</p> <p>SURFACE LOCATION Y=720575.8 N X=679005.6 E</p> <p>LAT.=32.979568° N LONG.=103.749599° W</p> <p>BOTTOM HOLE LOCATION Y=715954.3 N X=678832.5 E</p>	<p>GRID AZ. = 182°08'42" HORIZ. DIST. = 4626.1'</p>	<p>S.L. 330' ← 460'</p>	<p>OPERATOR CERTIFICATION</p> <p>I hereby certify that the information 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 or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p><i>Vernon D. Dyer</i> 10-4-10 Signature Date</p> <p>VERNON D. DYER Printed Name</p>
LOT 2 45.71 AC.				<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>
LOT 3 45.73 AC.				<p>Date Surveyed: _____</p> <p>Signature & Seal of Professional Surveyor 6841</p> <p><i>Gary G. Eidson</i> 3/15/10</p>
LOT 4 45.74 AC.				<p>Certificate No. GARY G. EIDSON 12641 RONALD J. EIDSON 3239</p>

LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL:
 BUCKEYE NW, N.M. - 5'
 MALJAMAR NE, N.M. - 10'

SEC. 31 TWP. 15-S RGE. 32-E

SURVEY N.M.P.M.

COUNTY LEA STATE NEW MEXICO


DESCRIPTION 330' FNL & 460' FEL

ELEVATION 4329'

OPERATOR MARSHALL & WINSTON, INC.

LEASE STATE 31

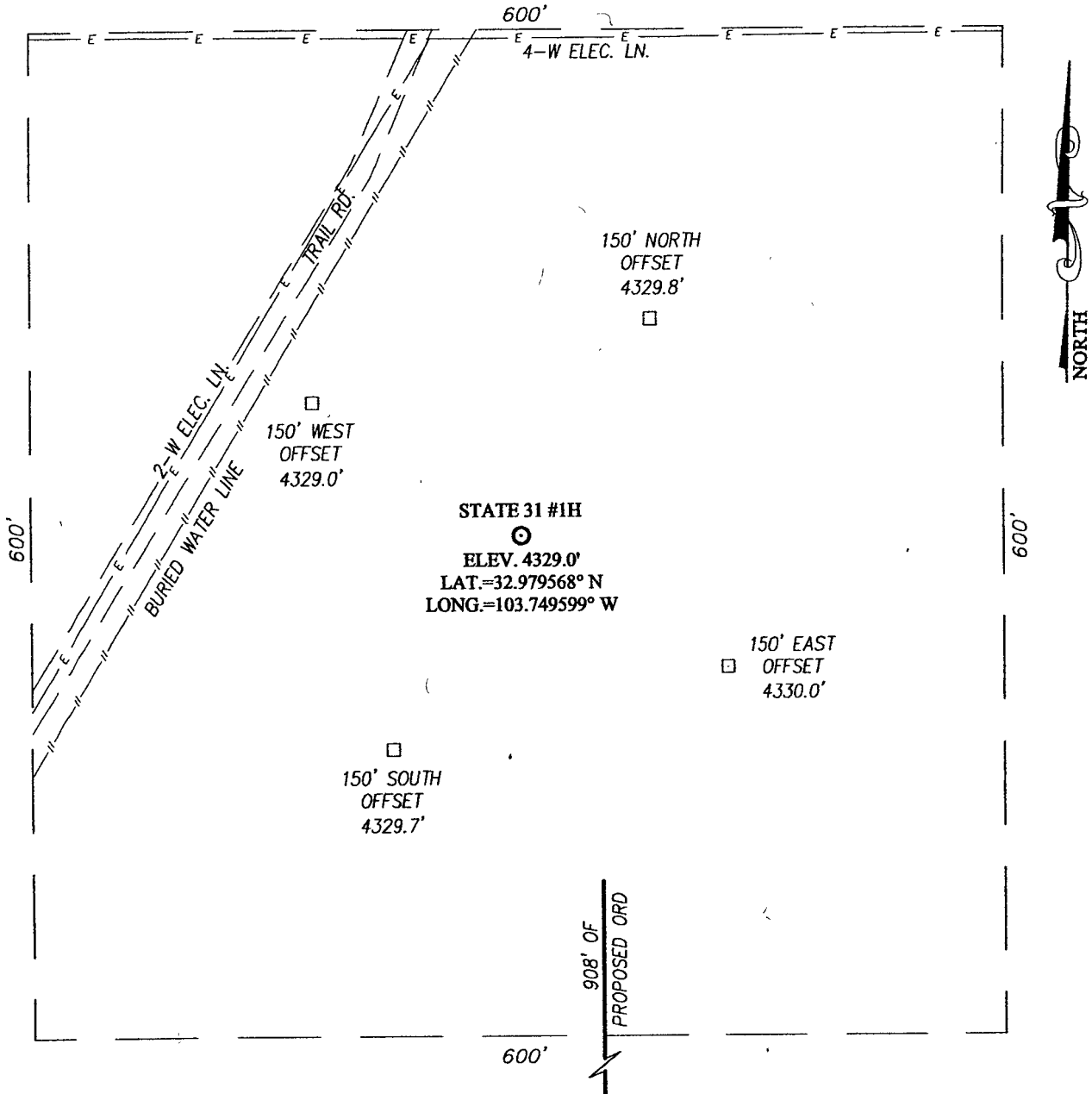
U.S.G.S. TOPOGRAPHIC MAP
BUCKEYE NW, N.M.



PROVIDING SURVEYING SERVICES
 SINCE 1946
JOHN WEST SURVEYING COMPANY
 412 N. DAL PASO
 HOBBS, N.M. 88240
 (575) 393-3117

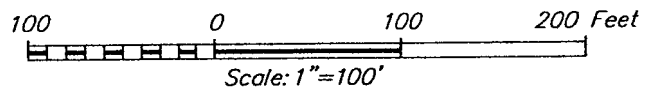
2-131 Topo

SECTION 31, TOWNSHIP 15 SOUTH, RANGE 32 EAST, N.M.P.M.
LEA COUNTY NEW MEXICO



DIRECTIONS TO LOCATION

FROM THE INTERSECTION OF U.S. HWY. #82 AND CO. RD. #L121 (MENDEL RD.), GO NORTH-NORTHWEST ON MENDEL RD. APPROX. 4.6 MILES. TURN RIGHT ON CO. RD. #L118 (PATTERSON RD.) AND GO EAST-SOUTHEAST APPROX. 0.85 MILES. ROAD TURNS HARD LEFT. GO NORTH-NORTHEAST APPROX. 0.35 MILES. ROAD TURNS RIGHT. GO EAST APPROX. 0.45 MILES. ROAD TURNS LEFT. GO NORTH APPROX. 2.4 MILES. TURN LEFT AND GO WEST APPROX. 1.1 MILES TO PROPOSED ROAD SURVEY. TURN RIGHT ON PROPOSED ROAD ND GO NORTH APPROX. 908 FEET. THIS LOCATION STAKE IS APPROX. 212 FEET NORTHWEST.



MARSHALL & WINSTON, INC.

STATE 31 #1H WELL
LOCATED 330 FEET FROM THE NORTH LINE
AND 460 FEET FROM THE EAST LINE OF SECTION 31,
TOWNSHIP 15 SOUTH, RANGE 32 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO

Survey Date: 03/02/10	Sheet 1 of 1 Sheets
W.O. Number: 10.11.0286	Dr. By: DSS
Date: 03/08/10	Rel. W.O.: 10110286
	Scale: 1"=100'

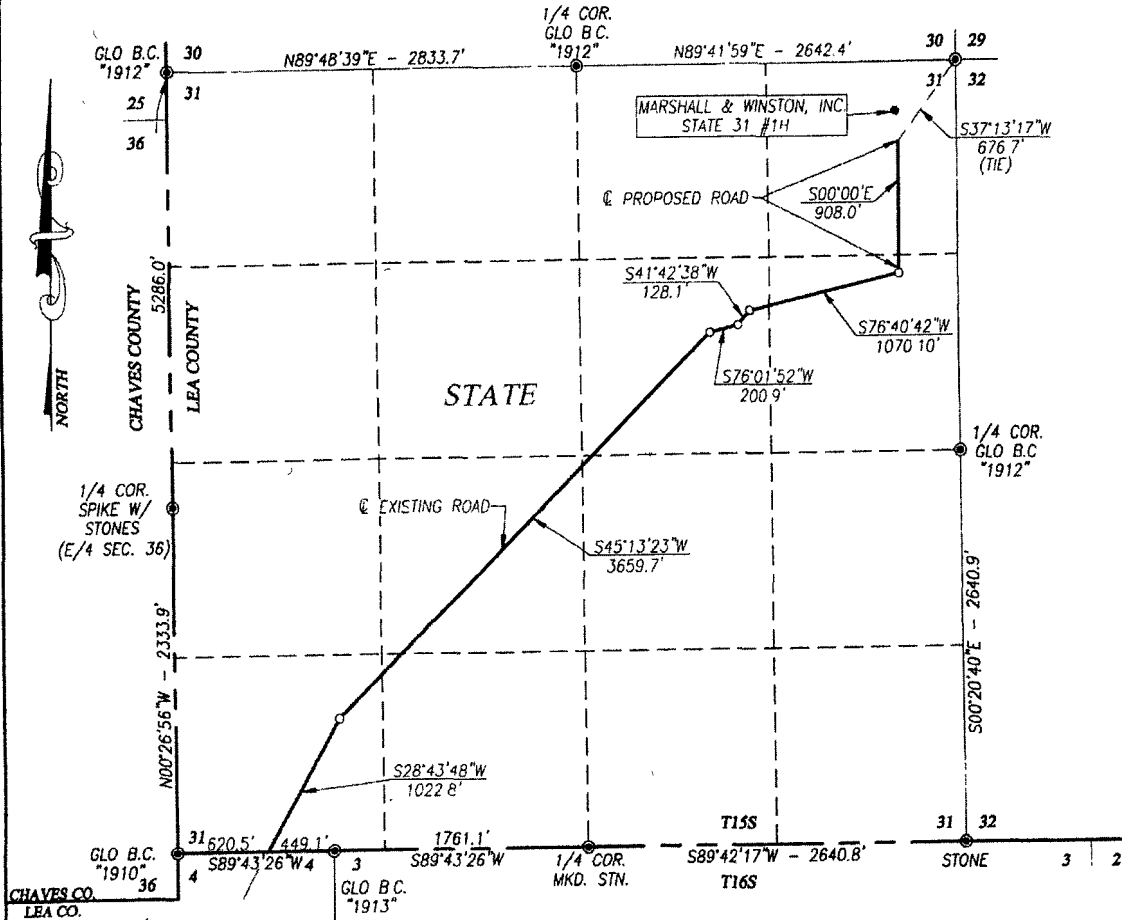
PROVIDING SURVEYING SERVICES
SINCE 1946

JOHN WEST SURVEYING COMPANY

412 N. DAL PASO
HOBBS, N.M. 88240
(575) 393-3117

2-B2 Access Rel.

SECTION 31, TOWNSHIP 15 SOUTH, RANGE 32 EAST, N.M.P.M.
LEA COUNTY NEW MEXICO



DESCRIPTION

A STRIP OF LAND 20.0 FEET WIDE CROSSING STATE OF NEW MEXICO LAND IN SECTION 31, TOWNSHIP 15 SOUTH, RANGE 32 EAST, N.M.P.M., LEA COUNTY, NEW MEXICO AND BEING 10.0 FEET RIGHT AND 10.0 FEET LEFT OF THE FOLLOWING DESCRIBED CENTERLINE SURVEY

BEGINNING AT A POINT IN THE NORTHEAST QUARTER OF THE NORTHEAST QUARTER OF SAID SECTION WHICH LIES S37°13'17\"/>

SAID STRIP OF LAND BEING 6989.6 FEET OR 423.61 RODS IN LENGTH, CONTAINING 3.209 ACRES MORE OR LESS AND BEING ALLOCATED BY FORTIES AS FOLLOWS

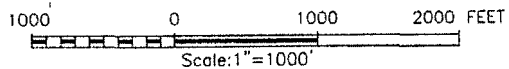
NE/4 NE/4	47.48 RODS OR 0.360 ACRES
SE/4 NE/4	63.68 RODS OR 0.482 ACRES
SW/4 NE/4	99.32 RODS OR 0.752 ACRES
NW/4 SE/4	5.76 RODS OR 0.043 ACRES
NE/4 SW/4	108.45 RODS OR 0.822 ACRES
SE/4 SW/4	11.68 RODS OR 0.089 ACRES
SW/4 SW/4	87.24 RODS OR 0.661 ACRES

NOTE

BEARINGS SHOWN HEREON ARE MERCATOR GRID AND CONFORM TO THE NEW MEXICO COORDINATE SYSTEM "NEW MEXICO EAST ZONE" NORTH AMERICAN DATUM 1983. DISTANCES ARE SURFACE VALUES.

LEGEND

⊙ DENOTES FOUND CORNER AS NOTED



I HEREBY CERTIFY THAT I HAVE CONDUCTED AND AM RESPONSIBLE FOR THIS SURVEY IN THE GROUND SURVEY, THAT THIS SURVEY IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND THAT THIS SURVEY AND PLOT MEET THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO.

Ronald J. Goshorn 9/22/2010
GARY G. ROSE, N.M., R.S. No. 12541
RONALD J. GOSHORN, N.M., R.S. No. 3239

PROVIDING SURVEYING SERVICES SINCE 1946
JOHN WEST SURVEYING COMPANY
412 N. DAL PASO
HOBBBS, N.M. 88240
(575) 393-3117

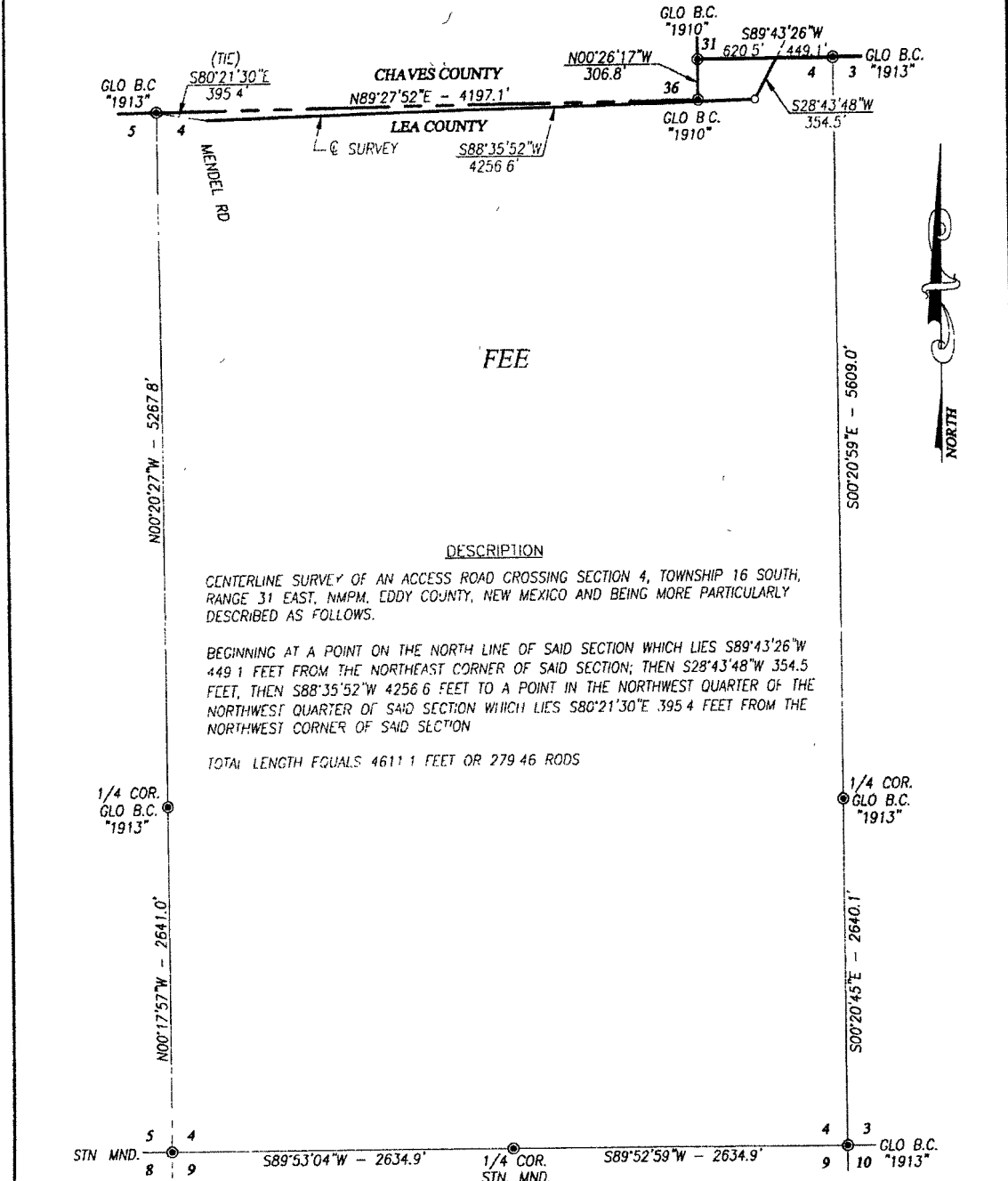
MARSHALL & WINSTON, INC.

CENTERLINE SURVEY OF AN EXISTING & PROPOSED ACCESS ROAD CROSSING SECTION 31, TOWNSHIP 15 SOUTH, RANGE 32 EAST, N.M.P.M., LEA COUNTY, NEW MEXICO

Survey Date 8/31/10	Sheet 1 of 1 Sheets
W.O Number: 10.11.1275	Drawn By: LA
Date: 9/20/10	CAD File: 10111275

Access Rd.
TO
2-B3 Location

SECTION 4, TOWNSHIP 16 SOUTH, RANGE 32 EAST, N.M.P.M.
LEA COUNTY NEW MEXICO



DESCRIPTION

CENTERLINE SURVEY OF AN ACCESS ROAD CROSSING SECTION 4, TOWNSHIP 16 SOUTH, RANGE 31 EAST, N.M.P.M., EDDY COUNTY, NEW MEXICO AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS.

BEGINNING AT A POINT ON THE NORTH LINE OF SAID SECTION WHICH LIES S89°43'26\"/>

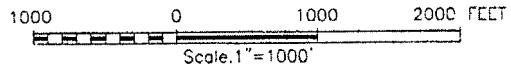
TOTAL LENGTH EQUALS 4611.1 FEET OR 279.46 RODS

NOTE

BEARINGS SHOWN HEREON ARE MERCATOR GRID AND CONFORM TO THE NEW MEXICO COORDINATE SYSTEM "NEW MEXICO EAST ZONE" NORTH AMERICAN DATUM 1983. DISTANCES ARE SURFACE VALUES.

LEGEND

● DENOTES FOUND CORNER AS NOTED



I HEREBY CERTIFY THAT I HAVE DIRECTED AND AM RESPONSIBLE FOR THIS ACTUAL SURVEYING SURVEY, THAT THIS SURVEY IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND THAT THIS SURVEY MEETS THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO.

Ronald J. Johnson 9/21/2010
GARY G. JOHNSON, N.M.P.S. No 12641
RONALD JOHNSON, N.M.P.S. No 3739

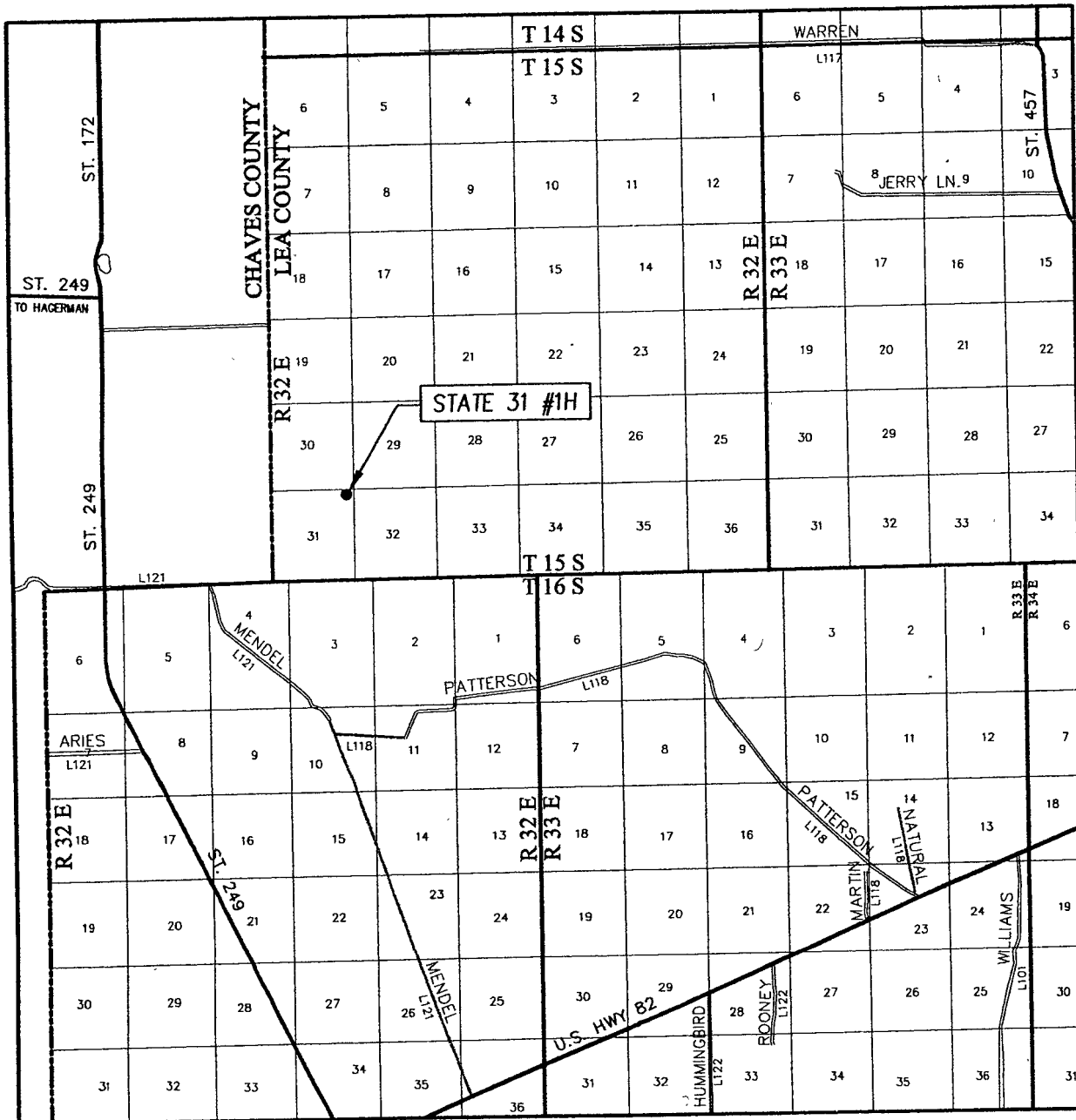
PROFESSIONAL SURVEYING SERVICES SINCE 1946
JOHN WEST SURVEYING COMPANY
412 N. DAL PASO
HOBBS, N.M. 88240
(575) 393-3117

MARSHALL & WINSTON, INC.

CENTERLINE SURVEY OF AN EXISTING ACCESS ROAD CROSSING SECTION 4, TOWNSHIP 16 SOUTH, RANGE 32 EAST, N.M.P.M., LEA COUNTY, NEW MEXICO


Survey Date: 8/31/10	Sheet 1 of 1 Sheets
W.O. Number: 10.11.1275	Drawn By: LA
Date: 9/20/10	CAD File: 10111275

VICINITY MAP



SCALE: 1" = 2 MILES

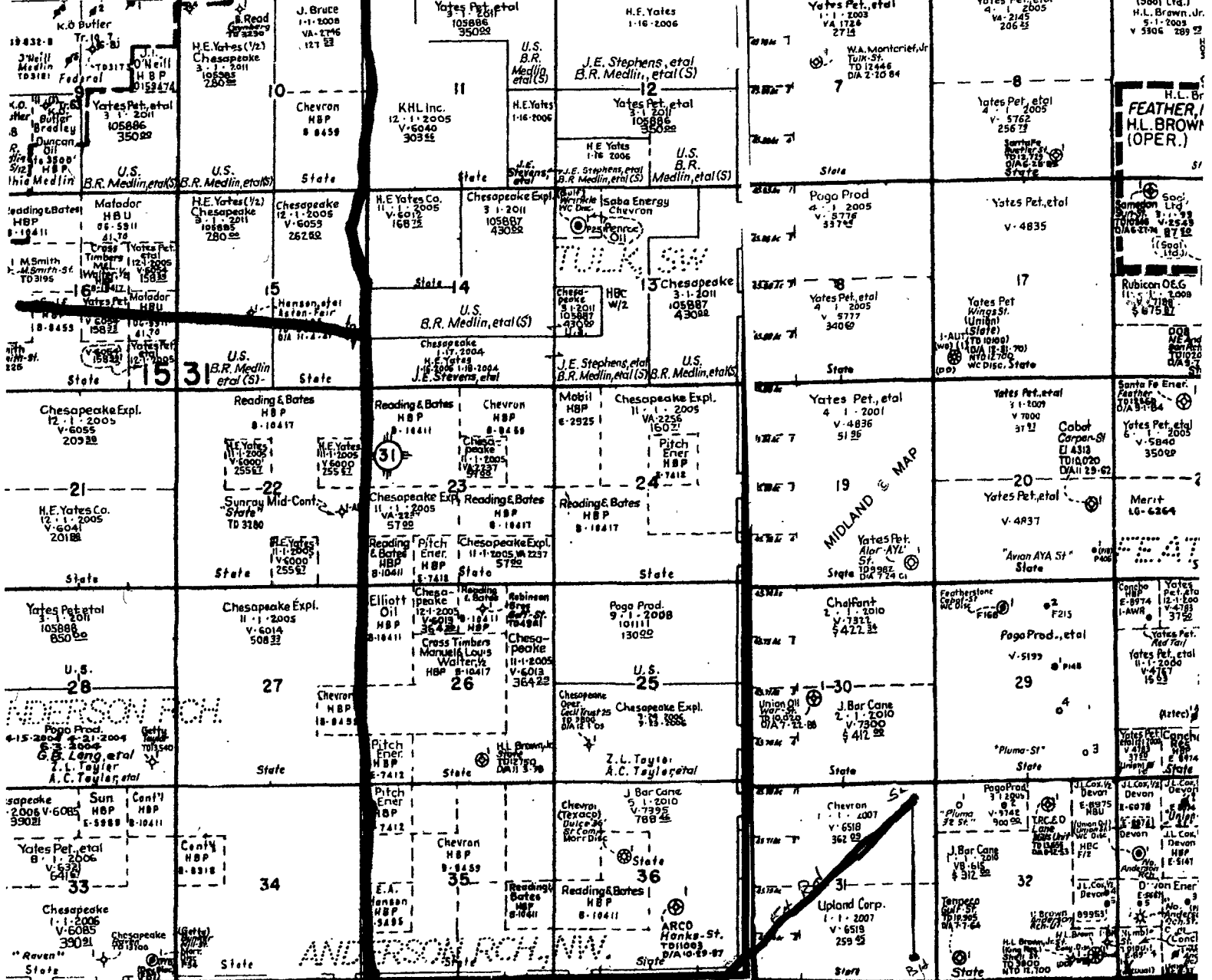
SEC. 31 TWP. 15-S RGE. 32-E
 SURVEY N.M.P.M.
 COUNTY LEA STATE NEW MEXICO
 DESCRIPTION 330' FNL & 460' FEL
 ELEVATION 4329'
 OPERATOR MARSHALL & WINSTON, INC.
 LEASE STATE 31



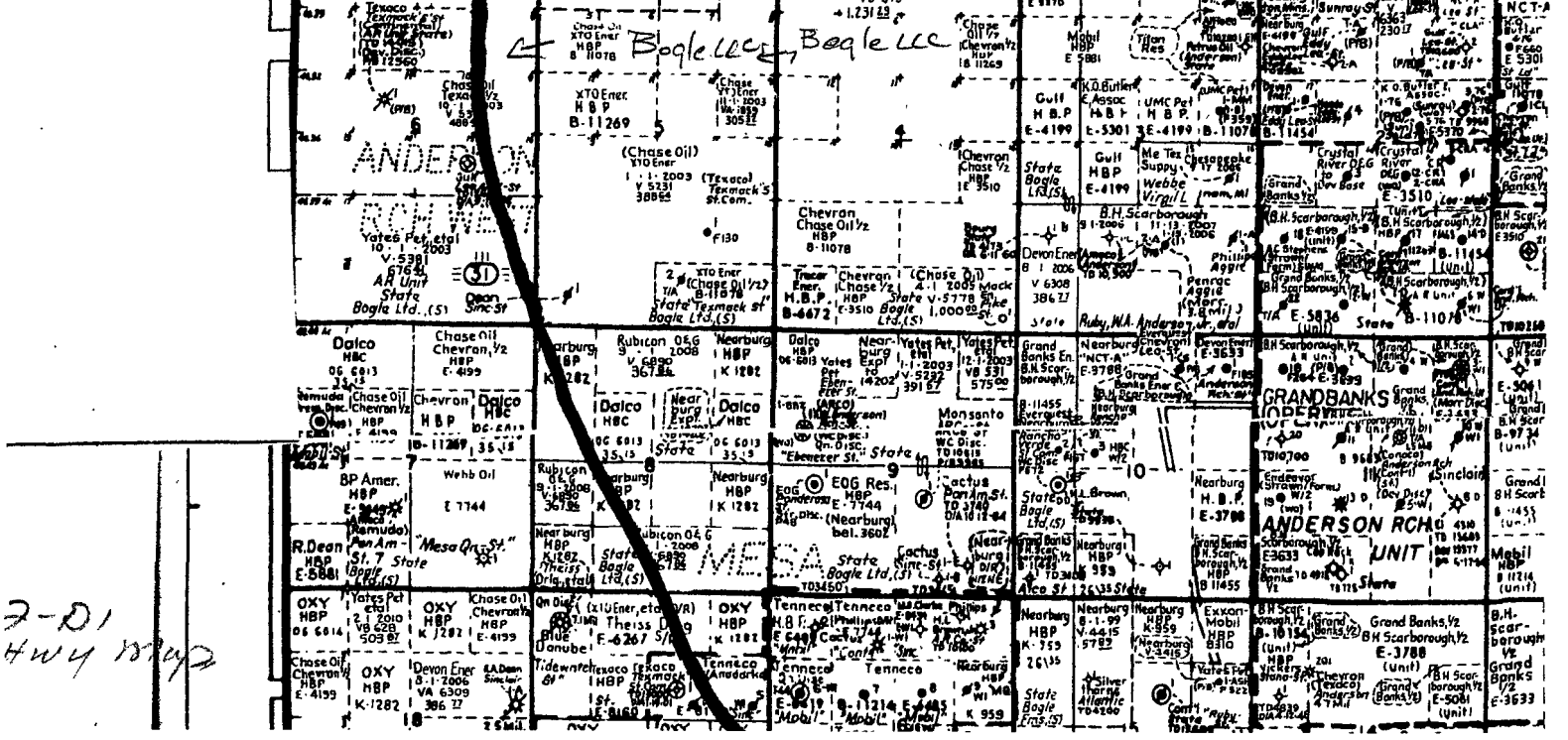
PROVIDING SURVEYING SERVICES
SINCE 1946

JOHN WEST SURVEYING COMPANY
 412 N. DAL PASO
 HOBBS, N.M. 88240
 (575) 393-3117

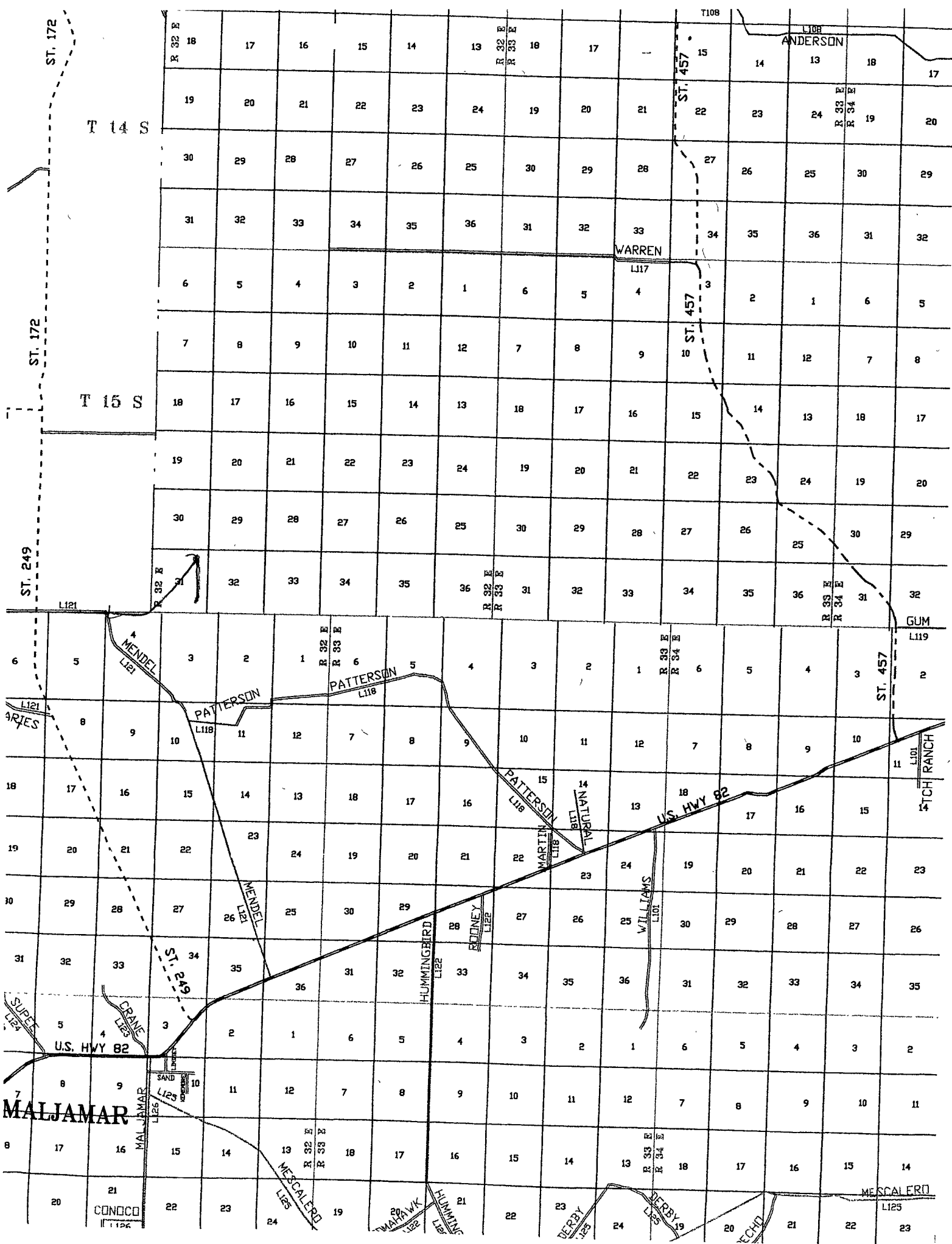
D.C. Vicinity



EDDY. East



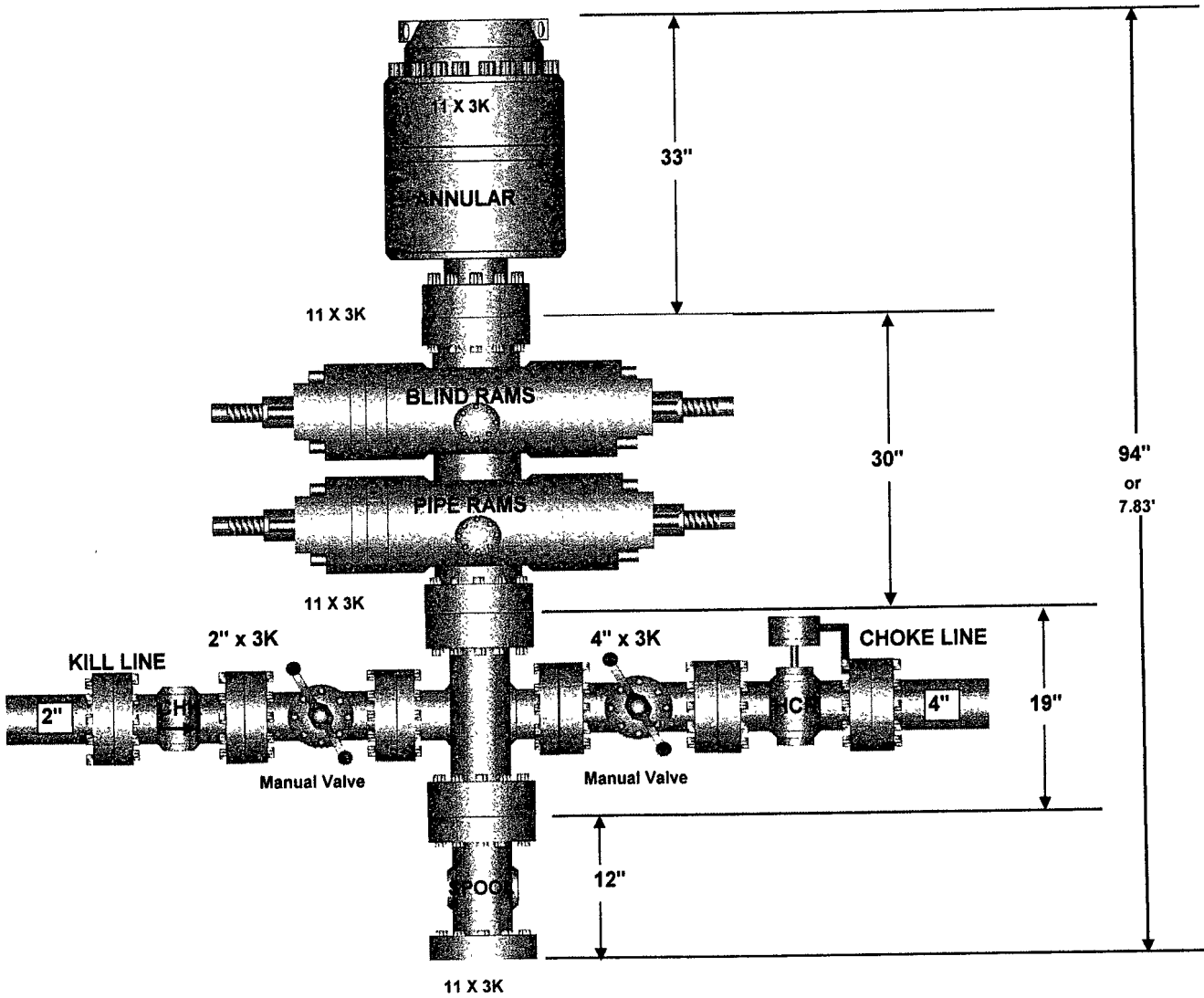
2-D1
Hwy 104



2-22 Turn Hwy

BOP STACK SPACING

SIZE: 11" X 3,000 PSI



5,000 PSI CHOKE MANIFOLD

