

DISTRICT I  
1626 N. French Dr., Hobbs, NM 88240

State of New Mexico  
Energy, Minerals & Natural Resources Department

Form C-102  
Revised August 15, 2000  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88211-0719

OIL CONSERVATION DIVISION  
2040 South Pacheco  
Santa Fe, NM 87505

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

DISTRICT IV  
2040 South Pacheco, Santa Fe, NM 87505

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code 96649	Pool Name NORTHEAST SHOE BAR (STRAWN)
Property Code 25994	Property Name CHAMBERS	Well Number 2
OGRID No. 25797	Operator Name PERMIAN RESOURCES, INC.	Elevation 3944

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	7	16 S	36 E		1038	SOUTH	802	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
O	7	16 S	36 E		950	SOUTH	1500	EAST	LEA
Dedicated Acres	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

Coordinate Table	
Description	Plane Coordinate
Chambers #2	X = 790,127
Surface Location	Y = 704,094
Chambers #2	X = 789,829
Strawn Entry Point	Y = 704,052
Chambers #2	X = 789,430
Bottom Hole Location	Y = 703,996

Proposed Chambers #2  
Project Area - 80 Acres  
S/2, SE/4, Section 7

Strawn Entry Point  
● 11,355 TVD

1000' FSL  
100' FEL

Existing PRI-Chambers #1  
555' FSL & 2099' FEL  
North Shoe Bar (Wolfcamp)  
160 Acres PU  
SE/4, Section 7

NOTE:  
1) Plane Coordinates shown hereon are Lambert Grid and Conform to the "New Mexico Coordinate System", New Mexico East Zone, North American Datum of 1927. Distances shown hereon are mean horizontal surface values.

OPERATOR CERTIFICATION

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

Signature \_\_\_\_\_

Printed Name \_\_\_\_\_

Title \_\_\_\_\_

Date \_\_\_\_\_

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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.*

October 23, 2002

Date Surveyed \_\_\_\_\_ M2

Signature & Seal of Professional Surveyor \_\_\_\_\_

---

W.O. Num. 2002-0564-S

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Certificate No. MACON McDONALD 12185

Permian Resources, Inc.  
NMOCD Case #12953  
October 24, 2002  
Exhibit No. 15

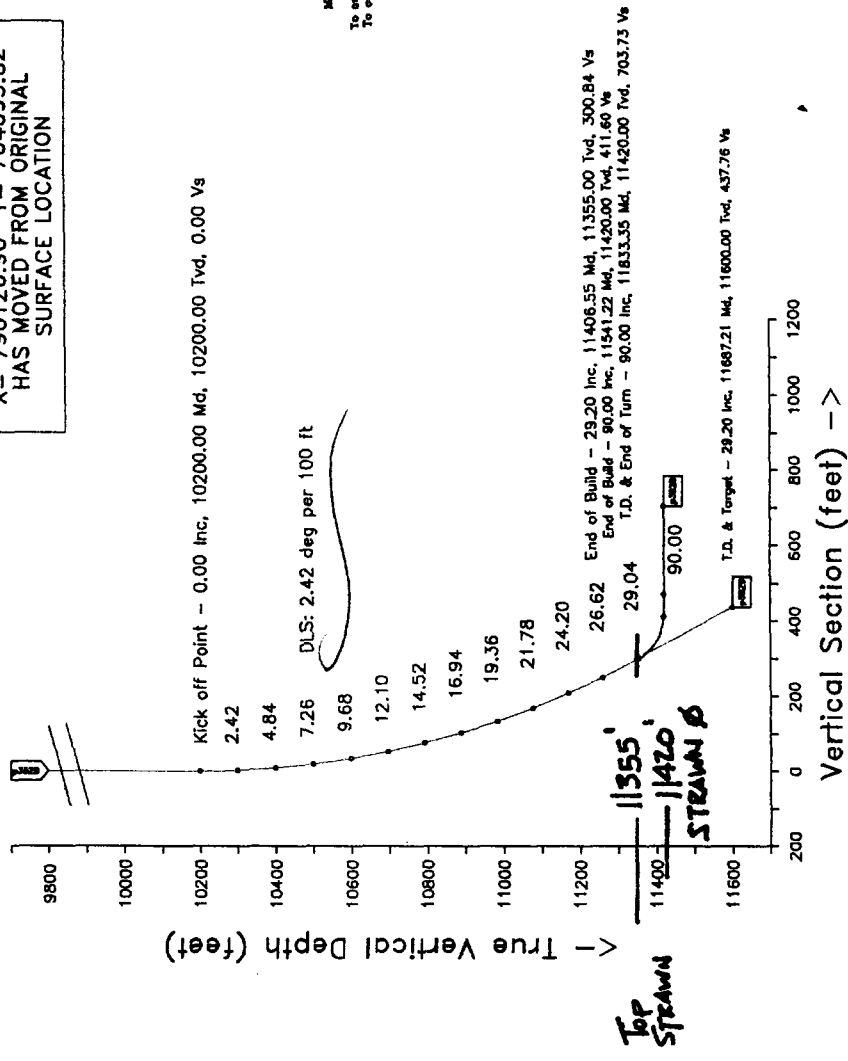
# PERMIAN RESOURCES

Structure : CHAMBERS NO. 2 Slot : slot #1  
 Field : UNKNOWN Location : LEA COUNTY, NEW MEXICO

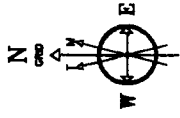
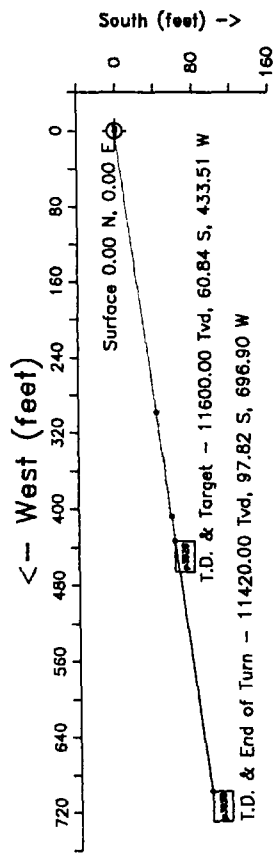
--- WELL PROFILE DATA ---

Point	MD	Inc	Dir	TVD	North	East	V. Sect	Deg/100
Trs on	0.00	0.00	262.01	0.00	0.00	0.00	0.00	0.00
End of Hold	10200.00	0.00	262.01	10200.00	0.00	0.00	0.00	0.00
End of Build	11406.54	29.20	262.01	11355.00	-41.81	-297.90	300.82	2.42
End of Build	11541.22	90.00	262.01	11420.00	-57.21	-407.61	411.60	45.15
T.D. & End of Turn	11833.35	90.00	262.01	11420.00	-97.82	-696.90	703.73	0.00

SURFACE LOCATION  
 X= 790126.90 Y= 704093.82  
 HAS MOVED FROM ORIGINAL  
 SURFACE LOCATION



Azimuth 262.01 with reference 0.00 N, 0.00 E from slot #1



08-04-2002 (revise 08/24)  
 Magnolia North is 8.00 degrees East of True North  
 CSD North is 0.51 degrees East of True North  
 To convert azimuth from True to CSD subtract 0.51 deg  
 To convert azimuth from Magnolia to CSD add 0.97 deg

PROPOSED BHL  
 703.73' ON AZI 262.01 DEGS  
 FROM SURFACE LOCATION  
 M.D: 11833.35' T.V.D: 11420.00'  
 S- 97.82' W- 696.90'  
 X= 789430.0 Y= 703996.0

--- PILOT HOLE ---  
 PROPOSED BHL  
 437.76' ON AZI 262.01 DEGS  
 FROM SURFACE LOCATION  
 M.D: 11687.21' T.V.D: 11600.00'  
 S- 60.84' W- 433.51'  
 X= 789893.39 Y= 704032.98



Created By Kellym  
 Date plotted : 22-Oct-2002  
 Plot Reference is PO 20J LAT RH.  
 Coordinates are in feet reference slot #1.  
 True Vertical Depths are reference rotary table.  
 cham2pp  
 --- Baker Hughes INTEQ ---

PERMIAN RESOURCES  
CHAMBERS NO. 2

slot #1  
UNKNOWN  
LEA COUNTY, NEW MEXICO

P R O P O S A L L I S T I N G

by  
Baker Hughes INTEQ

Your ref : Pilot Hole  
Our ref : prop3529  
License :

Date printed : 22-Oct-2002  
Date created : 22-Oct-2002  
Last revised : 22-Oct-2002

Field is centred on n33 30 0.000,w103 30 0  
Structure is centred on 790126.900,704093.820,999.00000,N

Slot location is n32 55 55.385,w103 23 15.906  
Slot Grid coordinates are N 704093.820, E 790126.900  
Slot local coordinates are 0.00 N 0.00 E

Projection type: mercator - New Mexico East (3001), Spheroid: Clarke - 1866

Reference North is Grid North

PERMIAN RESOURCES  
 CHAMBERS NO. 2, slot #1  
 UNKNOWN, LEA COUNTY, NEW MEXICO

PROPOSAL LISTING Page 1  
 Your ref : Pilot Hole  
 Last revised : 22-Oct-2002

Measured Depth	Inclin Degrees	Azimuth Degrees	True Vert Depth	RECTANGULAR COORDINATES		Dogleg Deg/100ft	Vert Sect	GRID COORDS Easting Northing	
0.00	0.00	262.01	0.00	0.00N	0.00E	0.00	0.00	790126.90	704093.82
500.00	0.00	262.01	500.00	0.00N	0.00E	0.00	0.00	790126.90	704093.82
1000.00	0.00	262.01	1000.00	0.00N	0.00E	0.00	0.00	790126.90	704093.82
1500.00	0.00	262.01	1500.00	0.00N	0.00E	0.00	0.00	790126.90	704093.82
2000.00	0.00	262.01	2000.00	0.00N	0.00E	0.00	0.00	790126.90	704093.82
2500.00	0.00	262.01	2500.00	0.00N	0.00E	0.00	0.00	790126.90	704093.82
3000.00	0.00	262.01	3000.00	0.00N	0.00E	0.00	0.00	790126.90	704093.82
3500.00	0.00	262.01	3500.00	0.00N	0.00E	0.00	0.00	790126.90	704093.82
4000.00	0.00	262.01	4000.00	0.00N	0.00E	0.00	0.00	790126.90	704093.82
4500.00	0.00	262.01	4500.00	0.00N	0.00E	0.00	0.00	790126.90	704093.82
5000.00	0.00	262.01	5000.00	0.00N	0.00E	0.00	0.00	790126.90	704093.82
5500.00	0.00	262.01	5500.00	0.00N	0.00E	0.00	0.00	790126.90	704093.82
6000.00	0.00	262.01	6000.00	0.00N	0.00E	0.00	0.00	790126.90	704093.82
6500.00	0.00	262.01	6500.00	0.00N	0.00E	0.00	0.00	790126.90	704093.82
7000.00	0.00	262.01	7000.00	0.00N	0.00E	0.00	0.00	790126.90	704093.82
7500.00	0.00	262.01	7500.00	0.00N	0.00E	0.00	0.00	790126.90	704093.82
8000.00	0.00	262.01	8000.00	0.00N	0.00E	0.00	0.00	790126.90	704093.82
8500.00	0.00	262.01	8500.00	0.00N	0.00E	0.00	0.00	790126.90	704093.82
9000.00	0.00	262.01	9000.00	0.00N	0.00E	0.00	0.00	790126.90	704093.82
9500.00	0.00	262.01	9500.00	0.00N	0.00E	0.00	0.00	790126.90	704093.82
10000.00	0.00	262.01	10000.00	0.00N	0.00E	0.00	0.00	790126.90	704093.82
10200.00	0.00	262.01	10200.00	0.00N	0.00E	0.00	0.00	790126.90	704093.82
10300.00	2.42	262.01	10299.97	0.29S	2.09W	2.42	2.11	790124.81	704093.53
10400.00	4.84	262.01	10399.76	1.17S	8.36W	2.42	8.44	790118.54	704092.65
10500.00	7.26	262.01	10499.20	2.64S	18.80W	2.42	18.98	790108.10	704091.18
10600.00	9.68	262.01	10598.10	4.69S	33.38W	2.42	33.71	790093.52	704089.13
10700.00	12.10	262.01	10696.29	7.31S	52.09W	2.42	52.60	790074.81	704086.51
10800.00	14.52	262.01	10793.60	10.51S	74.89W	2.42	75.62	790052.01	704083.31
10900.00	16.94	262.01	10889.85	14.28S	101.73W	2.42	102.73	790025.17	704079.54
11000.00	19.36	262.01	10984.86	18.61S	132.58W	2.42	133.88	789994.32	704075.21
11100.00	21.78	262.01	11078.48	23.49S	167.37W	2.42	169.01	789959.53	704070.33
11200.00	24.20	262.01	11170.53	28.92S	206.04W	2.42	208.06	789920.86	704064.90
11300.00	26.62	262.01	11260.85	34.88S	248.53W	2.42	250.97	789878.37	704058.94
11400.00	29.04	262.01	11349.28	41.37S	294.76W	2.42	297.65	789832.14	704052.45
11406.55	29.20	262.01	<u>11355.00</u>	41.81S	297.92W	2.42	300.84	789828.98	704052.01
11500.00	29.20	262.01	11436.58	48.15S	343.07W	0.00	346.43	789783.83	704045.67
11687.21	29.20	262.01	11600.00	60.84S	433.51W	0.00	437.76	789693.39	704032.98

EST TOP STRAIN

All data in feet unless otherwise stated. Calculation uses minimum curvature method.  
 Coordinates from slot #1 and TVD from rotary table.  
 Bottom hole distance is 437.76 on azimuth 262.01 degrees from wellhead.  
 Vertical section is from N 0.00 E 0.00 on azimuth 262.01 degrees.  
 Grid is mercator - New Mexico East (3001).  
 Grid coordinates in FEET and computed using the Clarke - 1866 spheroid  
 Presented by Baker Hughes INTEQ

PERMIAN RESOURCES  
CHAMBERS NO. 2

slot #1  
UNKNOWN  
LEA COUNTY, NEW MEXICO

P R O P O S A L L I S T I N G

by  
Baker Hughes INTEQ

Your ref : P0 2DJ LAT RH  
Our ref : prop3528  
License :

Date printed : 22-Oct-2002  
Date created : 22-Oct-2002  
Last revised : 22-Oct-2002

Field is centred on n33 30 0.000,w103 30 0  
Structure is centred on 790126.900,704093.820,999.00000,N

Slot location is n32 55 55.385,w103 23 15.906  
Slot Grid coordinates are N 704093.820, E 790126.900  
Slot local coordinates are 0.00 N 0.00 E

Projection type: mercator - New Mexico East (3001), Spheroid: Clarke - 1866

Reference North is Grid North

PERMIAN RESOURCES  
 CHAMBERS NO. 2.slot #1  
 UNKNOWN,LEA COUNTY, NEW MEXICO

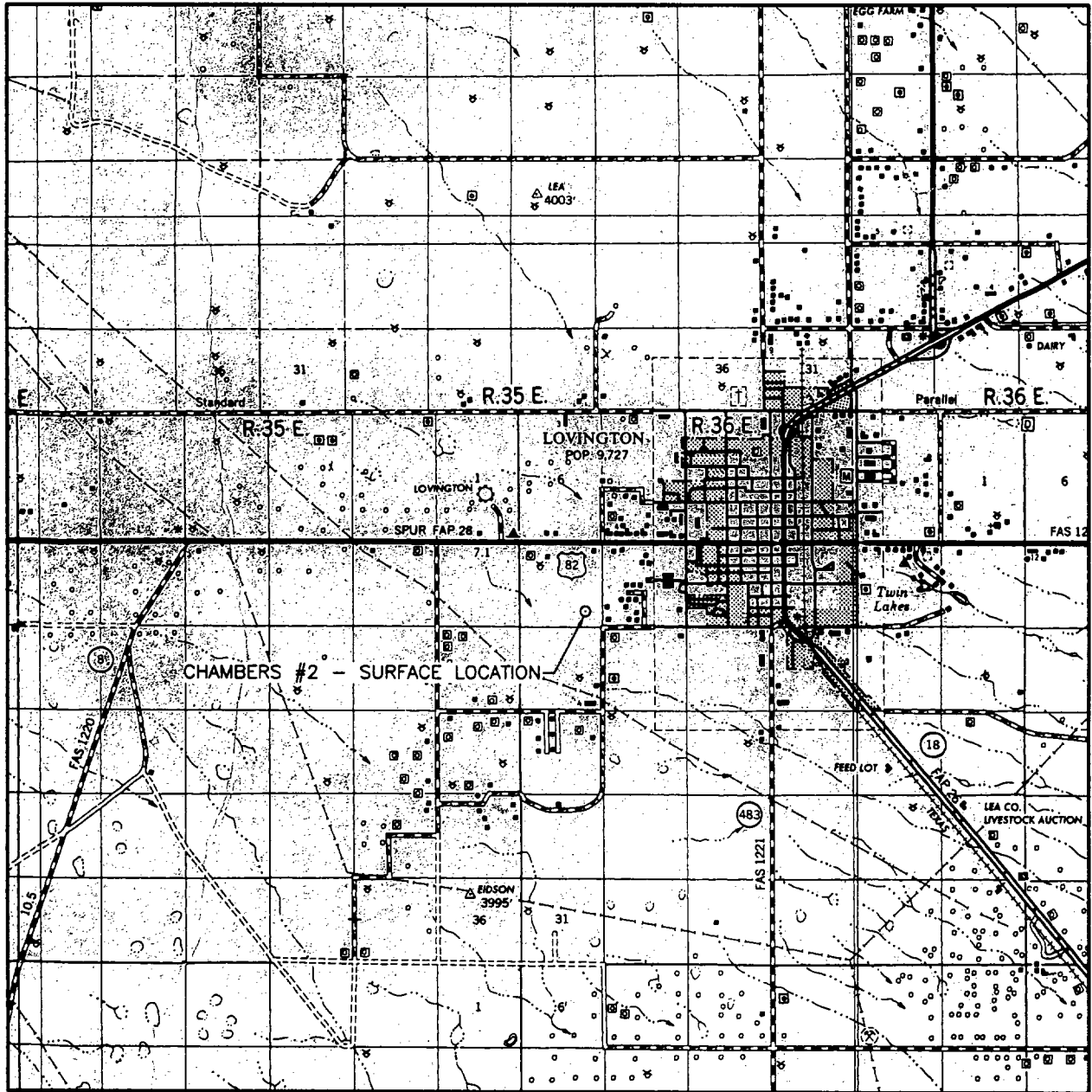
PROPOSAL LISTING Page 1  
 Your ref : P0 2DJ LAT RH  
 Last revised : 22-Oct-2002

Measured Depth	Inclin Degrees	Azimuth Degrees	True Vert Depth	R E C T A N G U L A R C O O R D I N A T E S		Dogleg Deg/100ft	Vert Sect	G R I D Easting	C O O R D S Northing
0.00	0.00	262.01	0.00	0.00N	0.00E	0.00	0.00	790126.90	704093.82
500.00	0.00	262.01	500.00	0.00N	0.00E	0.00	0.00	790126.90	704093.82
1000.00	0.00	262.01	1000.00	0.00N	0.00E	0.00	0.00	790126.90	704093.82
1500.00	0.00	262.01	1500.00	0.00N	0.00E	0.00	0.00	790126.90	704093.82
2000.00	0.00	262.01	2000.00	0.00N	0.00E	0.00	0.00	790126.90	704093.82
2500.00	0.00	262.01	2500.00	0.00N	0.00E	0.00	0.00	790126.90	704093.82
3000.00	0.00	262.01	3000.00	0.00N	0.00E	0.00	0.00	790126.90	704093.82
3500.00	0.00	262.01	3500.00	0.00N	0.00E	0.00	0.00	790126.90	704093.82
4000.00	0.00	262.01	4000.00	0.00N	0.00E	0.00	0.00	790126.90	704093.82
4500.00	0.00	262.01	4500.00	0.00N	0.00E	0.00	0.00	790126.90	704093.82
5000.00	0.00	262.01	5000.00	0.00N	0.00E	0.00	0.00	790126.90	704093.82
5500.00	0.00	262.01	5500.00	0.00N	0.00E	0.00	0.00	790126.90	704093.82
6000.00	0.00	262.01	6000.00	0.00N	0.00E	0.00	0.00	790126.90	704093.82
6500.00	0.00	262.01	6500.00	0.00N	0.00E	0.00	0.00	790126.90	704093.82
7000.00	0.00	262.01	7000.00	0.00N	0.00E	0.00	0.00	790126.90	704093.82
7500.00	0.00	262.01	7500.00	0.00N	0.00E	0.00	0.00	790126.90	704093.82
8000.00	0.00	262.01	8000.00	0.00N	0.00E	0.00	0.00	790126.90	704093.82
8500.00	0.00	262.01	8500.00	0.00N	0.00E	0.00	0.00	790126.90	704093.82
9000.00	0.00	262.01	9000.00	0.00N	0.00E	0.00	0.00	790126.90	704093.82
9500.00	0.00	262.01	9500.00	0.00N	0.00E	0.00	0.00	790126.90	704093.82
10000.00	0.00	262.01	10000.00	0.00N	0.00E	0.00	0.00	790126.90	704093.82
10200.00	0.00	262.01	10200.00	0.00N	0.00E	0.00	0.00	790126.90	704093.82
10300.00	2.42	262.01	10299.97	0.29S	2.09W	2.42	2.11	790124.81	704093.53
10400.00	4.84	262.01	10399.76	1.17S	8.36W	2.42	8.44	790118.54	704092.65
10500.00	7.26	262.01	10499.20	2.64S	18.80W	2.42	18.98	790108.10	704091.18
10600.00	9.68	262.01	10598.10	4.68S	33.38W	2.42	33.71	790093.52	704089.14
10700.00	12.10	262.01	10696.29	7.31S	52.09W	2.42	52.60	790074.81	704086.51
10800.00	14.52	262.01	10793.60	10.51S	74.88W	2.42	75.62	790052.02	704083.31
10900.00	16.94	262.01	10889.85	14.28S	101.73W	2.42	102.72	790025.17	704079.54
11000.00	19.36	262.01	10984.87	18.61S	132.57W	2.42	133.87	789994.33	704075.21
11100.00	21.78	262.01	11078.48	23.49S	167.36W	2.42	169.00	789959.54	704070.33
11200.00	24.20	262.01	11170.53	28.92S	206.03W	2.42	208.05	789920.87	704064.90
11300.00	26.62	262.01	11260.86	34.88S	248.52W	2.42	250.96	789878.38	704058.94
11400.00	29.04	262.01	11349.28	41.37S	294.75W	2.42	297.64	789832.15	704052.45
11406.54	29.20	262.01	11355.00	41.81S	297.90W	2.42	300.82	789829.00	704052.01
11441.87	45.15	262.01	11383.06	44.77S	318.97W	45.15	322.10	789807.93	704049.05
11541.22	90.00	262.01	11420.00	57.21S	407.61W	45.15	411.60	789719.29	704036.61
11600.00	90.00	262.01	11420.00	65.38S	465.82W	0.00	470.38	789661.08	704028.44
11700.00	90.00	262.01	11420.00	79.28S	564.85W	0.00	570.38	789562.05	704014.54
11800.00	90.00	262.01	11420.00	93.18S	663.88W	0.00	670.38	789463.02	704000.64
11833.35	90.00	262.01	11420.00	97.82S	696.90W	0.00	703.73	789430.00	703996.00

All data in feet unless otherwise stated. Calculation uses minimum curvature method.  
 Coordinates from slot #1 and TVD from rotary table.  
 Bottom hole distance is 703.73 on azimuth 262.01 degrees from wellhead.  
 Vertical section is from N 0.00 E 0.00 on azimuth 262.01 degrees.  
 Grid is mercator - New Mexico East (3001).  
 Grid coordinates in FEET and computed using the Clarke - 1866 spheroid  
 Presented by Baker Hughes INTEQ



# VICINITY MAP



SCALE: 1" = 2 MILES

SEC. 7 TWP. 16-S RGE. 36-E

SURVEY N.M.P.M.

COUNTY LEA

DESCRIPTION 1000' FSL & 1100' FEL

ELEVATION 3944

OPERATOR PERMIAN RESOURCES, INC.

LEASE CHAMBERS #2



**WEST  
COMPANY**  
of Midland, Inc.

110 W. LOUISIANA, STE. 110  
MIDLAND TEXAS, 79701  
(915) 687-0865 - (915) 687-0868 FAX