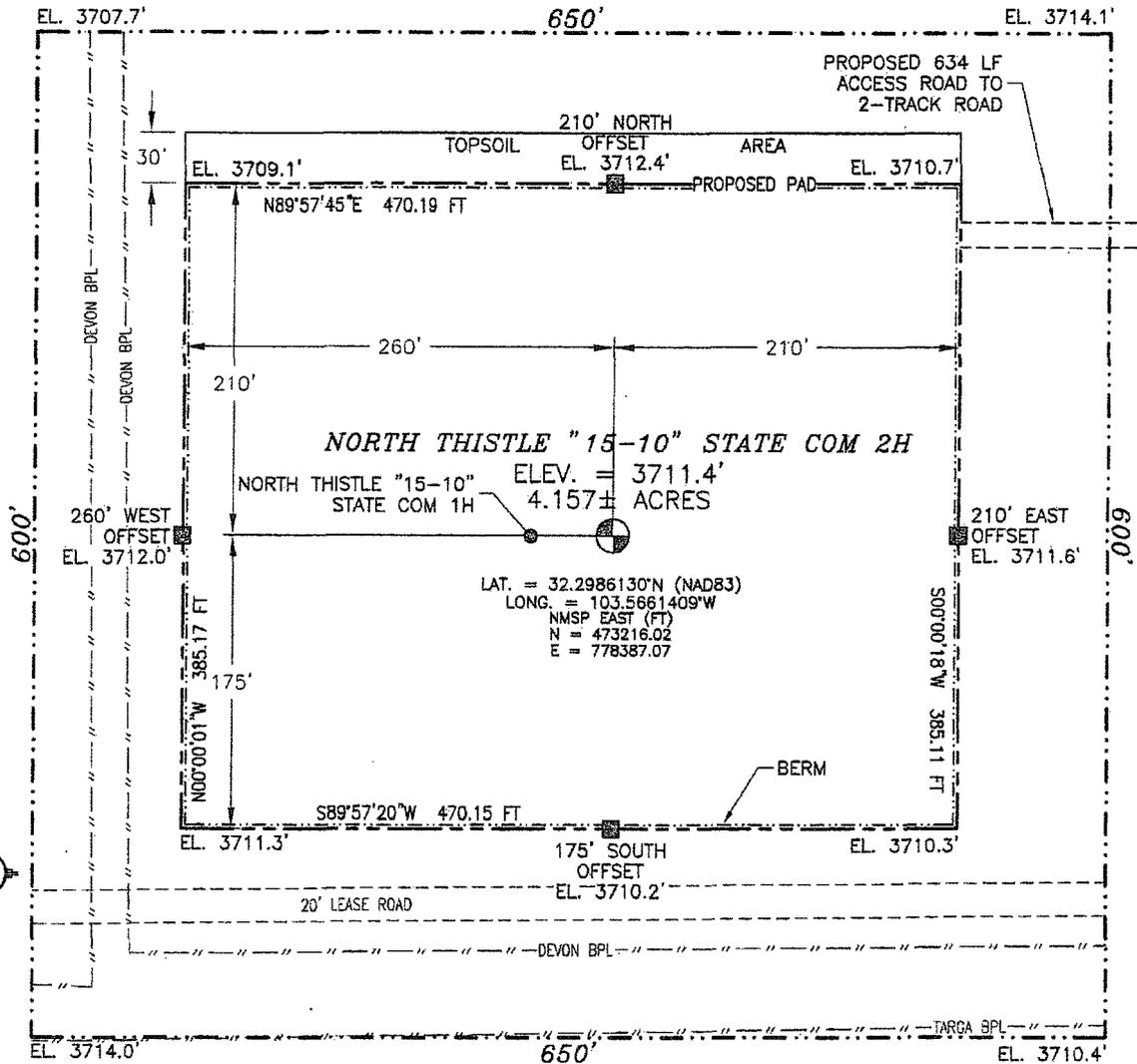


SECTION 15, TOWNSHIP 23 SOUTH, RANGE 33 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO

SITE MAP

NOTE: LATITUDE AND LONGITUDE COORDINATES ARE SHOWN USING THE NORTH AMERICAN DATUM OF 1983 (NAD83). LISTED NEW MEXICO STATE PLANE EAST COORDINATES ARE GRID (NAD83). BASIS OF BEARING AND DISTANCES USED ARE NEW MEXICO STATE PLANE EAST COORDINATES MODIFIED TO THE SURFACE



LAT. = 32.2986130°N (NAD83)
LONG. = 103.5661409°W
NMSP EAST (FT)
N = 473216.02
E = 778387.07

010 50 100 200

SCALE 1" = 100'

DIRECTIONS TO LOCATION

FROM THE INTERSECTION OF STATE HIGHWAY 128 AND CR 21 (DELAWARE BASIN ROAD) GO NORTH ON CR 21 APPROX. 6.1 MILES TO A LEASE ROAD ON LEFT (WEST). TURN WEST GO APPROX. 3.1 MILES TO A LEASE ROAD ON RIGHT (NORTH), TURN NORTH GO 0.1 MILE TO ROAD LATH ON LEFT (WEST) FOLLOW ROAD LATHS WEST APPROX. 634' TO THE NORTHEAST PAD CORNER FOR THIS LOCATION.

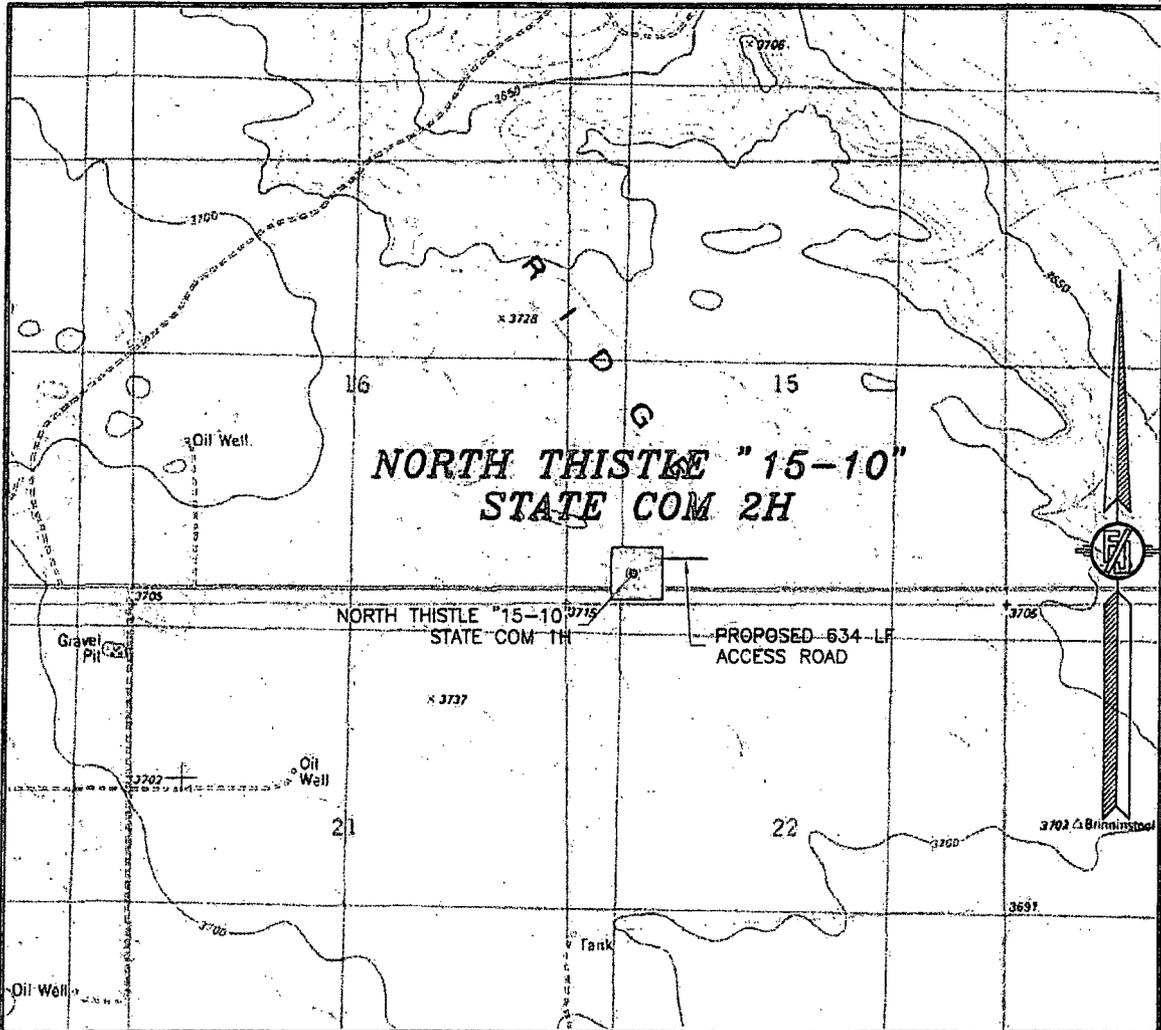
DEVON ENERGY PRODUCTION COMPANY, L.P.
NORTH THISTLE "15-10" STATE COM 2H
LOCATED 415 FT. FROM THE SOUTH LINE
AND 810 FT. FROM THE WEST LINE OF
SECTION 15, TOWNSHIP 23 SOUTH,
RANGE 33 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO

MAY 1, 2015

SURVEY NO. 3669A

MADRON SURVEYING, INC. 301 SOUTH CANAL (575) 234-3341 CARLSBAD, NEW MEXICO

SECTION 15, TOWNSHIP 23 SOUTH, RANGE 33 EAST, N.M.P.M.
 LEA COUNTY, STATE OF NEW MEXICO
 LOCATION VERIFICATION MAP



USGS QUAD MAP:
 TIP TOP WELLS

NOT TO SCALE

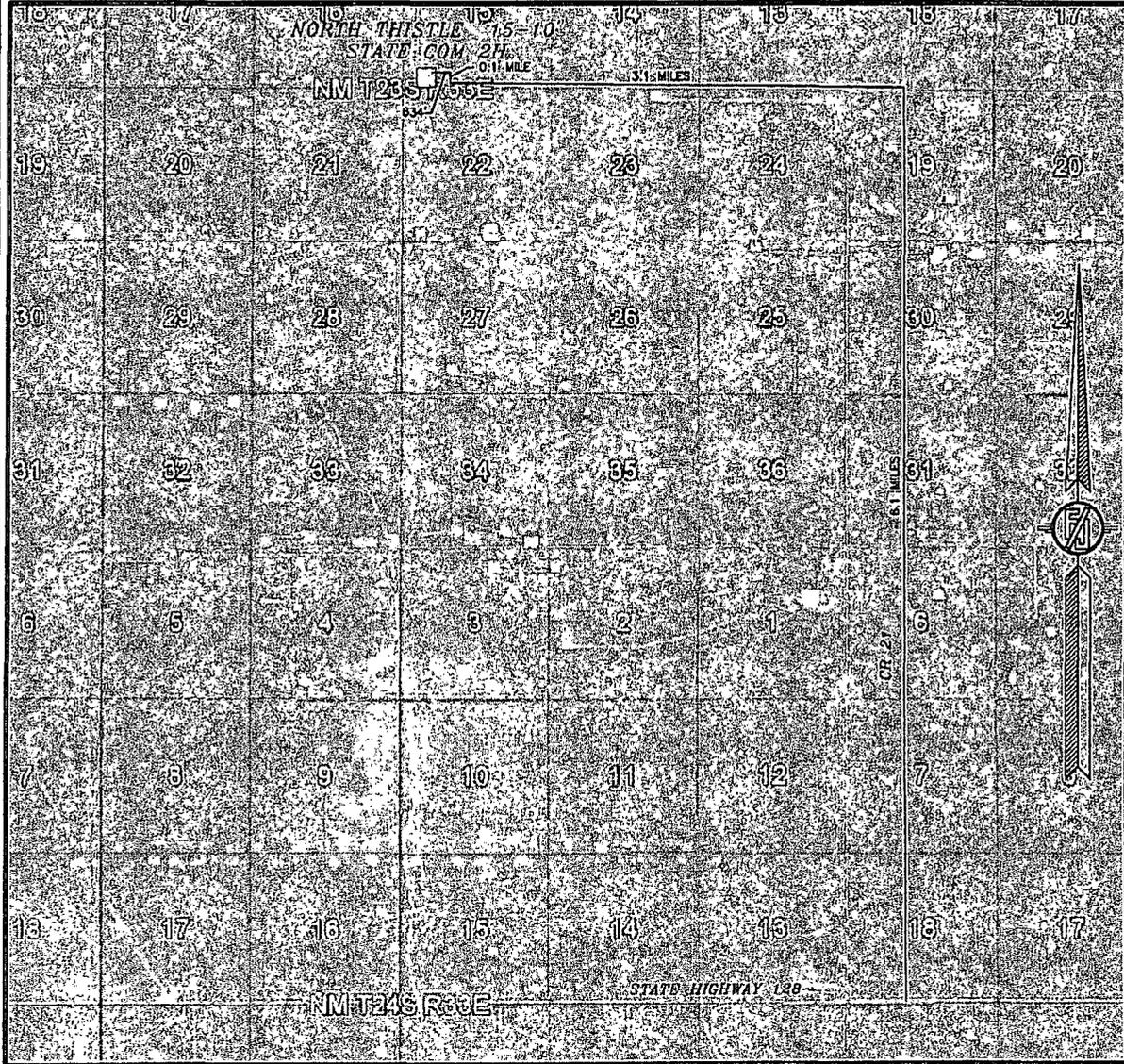
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MADRON SURVEYING, INC. 301 SOUTH CANAL CARLSBAD, NEW MEXICO
 (575) 234-3341

SECTION 15, TOWNSHIP 23 SOUTH, RANGE 33 EAST, N.M.P.M.
 LEA COUNTY, STATE OF NEW MEXICO
ACCESS AERIAL ROUTE MAP



NOT TO SCALE
 AERIAL PHOTO:
 GOOGLE EARTH
 FEBRUARY 2014

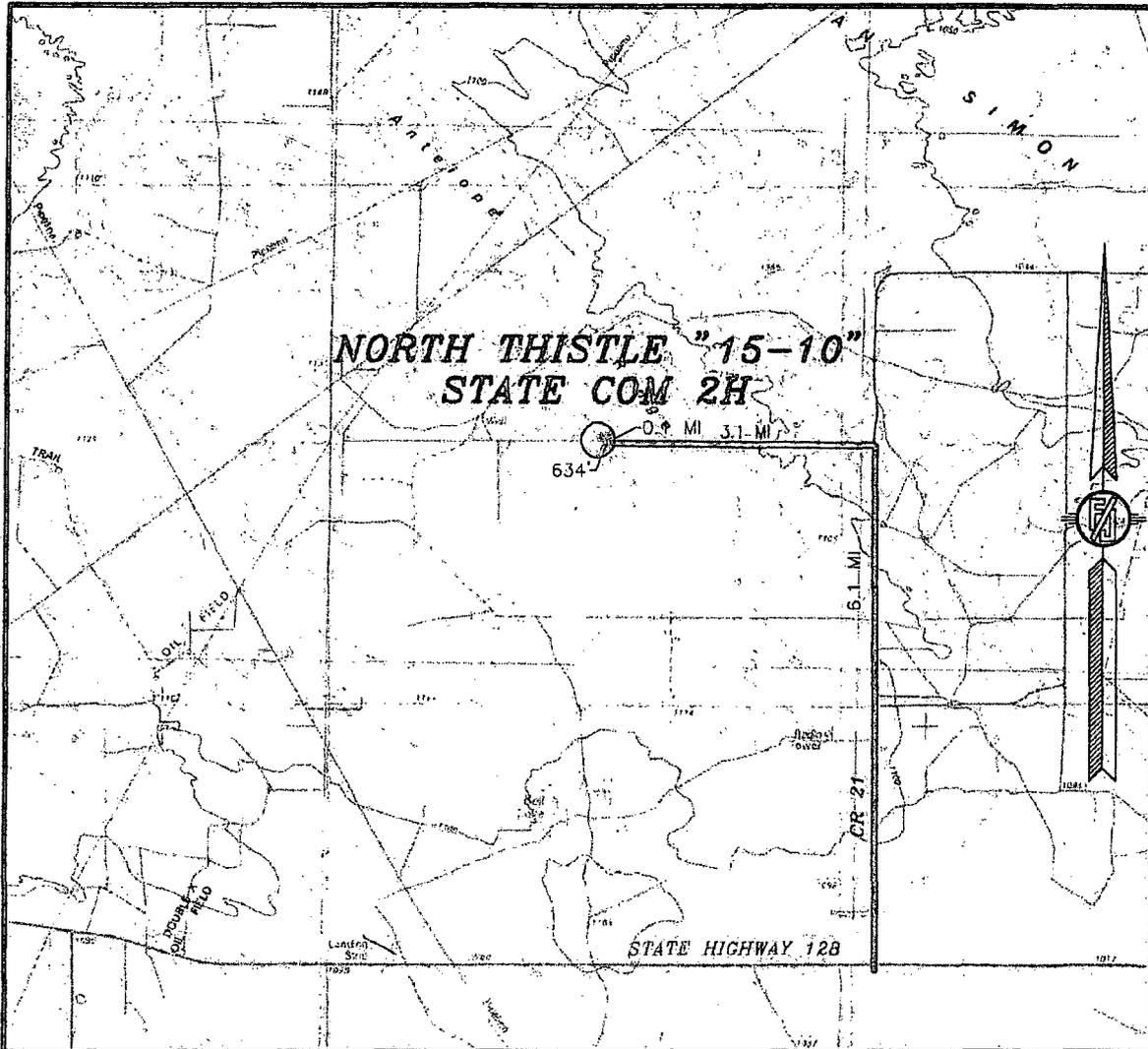
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SECTION 15, TOWNSHIP 23 SOUTH, RANGE 33 EAST, N.M.P.M.
 LEA COUNTY, STATE OF NEW MEXICO
 VICINITY MAP



DISTANCES IN MILES

NOT TO SCALE

DEVON ENERGY PRODUCTION COMPANY, L.P.
NORTH THISTLE "15-10" STATE COM 2H
 LOCATED 415 FT. FROM THE SOUTH LINE
 AND 810 FT. FROM THE WEST LINE OF
 SECTION 15, TOWNSHIP 23 SOUTH,
 RANGE 33 EAST, N.M.P.M.
 LEA COUNTY, STATE OF NEW MEXICO

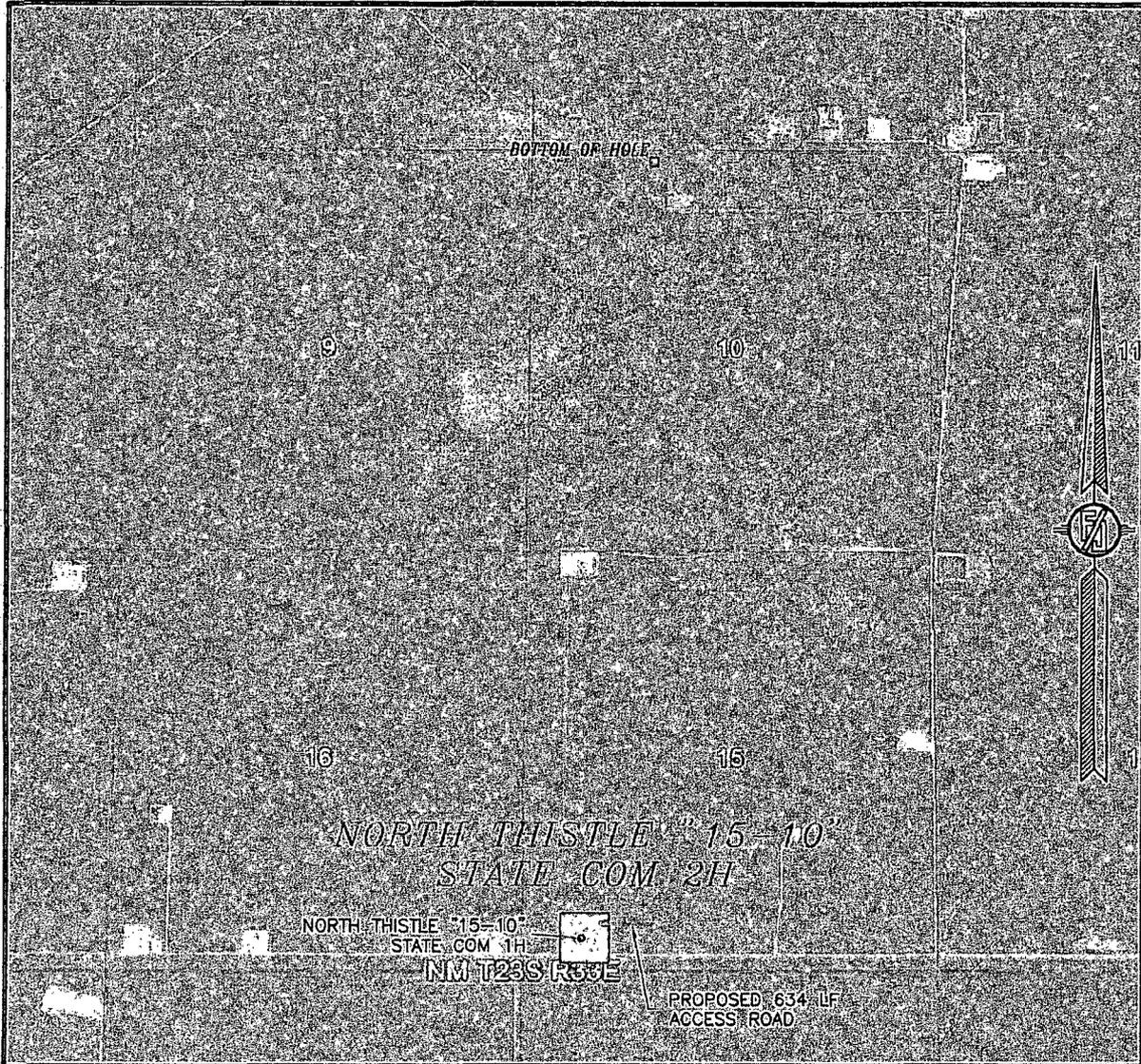
DIRECTIONS TO LOCATION
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 APPROX. 634' TO THE NORTHEAST PAD CORNER FOR THIS LOCATION.

MAY 1, 2015

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SECTION 15, TOWNSHIP 23 SOUTH, RANGE 33 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO
AERIAL PHOTO



NOT TO SCALE
AERIAL PHOTO:
GOOGLE EARTH
FEBRUARY 2014

DEVON ENERGY PRODUCTION COMPANY, L.P.
NORTH THISTLE "15-10" STATE COM 2H
LOCATED 415 FT. FROM THE SOUTH LINE
AND 810 FT. FROM THE WEST LINE OF
SECTION 15, TOWNSHIP 23 SOUTH,
RANGE 33 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO

MAY 1, 2015

SURVEY NO. 3669A

MADRON SURVEYING, INC. 301 SOUTH CANAL (575) 234-3341 CARLSBAD, NEW MEXICO

Devon Energy, North Thistle 15-10 State Com 2H

1. Geologic Formations

TVD of target	9,936'	Pilot hole depth	n/a
MD at TD:	19,038'	Deepest expected fresh water:	

Basin

Formation	Depth (TVD) from KB	Water/Mineral Bearing/Target Zone?	Hazards*
Rustler	1,304	Barren	
Top of Salt	1,550	Barren	
Lamar	5,230	Barren	
Cherry Canyon	6,285	Oil	
Brushy Canyon	7,775	Oil	
Lower Brushy	8,925	Oil	
1 st Bone Spring Lime	9,113	Oil	
Leonard Shale Upper	9,287	Oil	
Leonard Shale Middle	9,585	Oil	
Leonard Shale Lower	9,761	Oil	

*H2S, water flows, loss of circulation, abnormal pressures, etc.