SUBSURFACE

PERMIT RENEWAL APPLICATION
CLASS I NONHAZARDOUS WASTE INJECTION WELL
WDW NO. 1

Volume 1 of 3

NAVAJO REFINING COMPANY, L.L.C.
ARTESIA, NEW MEXICO
SUBSURFACE PROJECT NO. 60D6894

DRAWINGS
2.0 OF 5

SUBSURFACE TECHNOLOGY, INC.
8212 KELWOOD AVE.
BATON ROUGE, LOUISIANA 70806
225-753-2561
PFBR@SUBSURFACEGROUP.COM

MARCH 2013

NORTHWEST - SOUTHEAST DIP
GEOLOGIC CROSS-SECTION A - A'

NAVAJO REFINING COMPANY
ARTESIA, NEW MEXICO

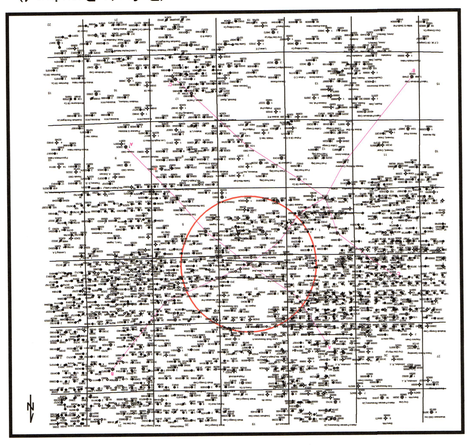
DRAWING 5

SUBSURFACE
HOUSTON, TX
SOUTH BEND, IN
BATON ROUGE, LA

DATE: 01/03/13	CHECKED BY:	JOB NO: 60D6894
DRAWN BY: WDD	APPROVED BY:	DWG. NO:

VERTICAL SCALE
0
200
1000 Feet
HORIZONTAL SCALE

(Refer to Drawing 4)



Elevation (ft msl)

-6800' -6600' -6400' -6200' -6000' -5800' -5600' -5400' -5200' -5000' -4800' -4600' -4400' -4200' -4000' -3800' -3600' -3400' -3200' -3000' -2800' -2600' -2400' -2200' -2000' -1800' -1600' -1400' -1200' -1000' -800' -600' -400' -200' -0' 200' 400' 600' 800' 1000' 1200' 1400' 1600' 1800' 2000' 2200' 2400' 2600' 2800' 3000' 3200' 3400' 3600' 3800' 4000'

ATOKA
STRAWN
CANYON
CISCO
LOWER WOLFCAMP
UPPER WOLFCAMP
ABO
YESO
TUBB
TOP OF CONFINING ZONE
GLORIETA
SAN ANDRES
GRAYBURG

INJECTION ZONE
UPPER CONFINING ZONE

NORTHWEST
A

COG OPERATING LLC
SPRUCE FEDERAL NO. 1
K-25 T17S R27E
TD: 9,985' KB: 3382'
ACTIVE - GAS
API NUMBER 30-015-24092

4274'

LRE OPERATING, LLC
NO BLUFF 36 STATE COM NO. 2
H-36 T17S R27E
TD: 10,050' KB: 3634'
ACTIVE - GAS
API NUMBER 30-015-31123

4582'

NAVAJO REFINING COMPANY
WDW NO. 1
31 T17S R28E
TD: 10,200' KB: 3678'
ACTIVE - INJECTION
API NUMBER 30-015-27592

4423'

CONOCO PHILLIPS CO
ILLINOIS CAMP A COM NO. 1
E-05 T18S R28E
TD: 10,450' KB: 3672
ACTIVE - GAS
API NUMBER 30-015-24485

3291'

EOG RESOURCES INC.
EMPIRE 5 STATE COM NO. 1
O-05 T18S R28E
TD: 10,438' KB: 3640'
ACTIVE - GAS
API NUMBER 30-015-28852

5503'

CHEVRON USA INC.
EXXON STATE NO. 1
K-09 T18S R28E
TD: 10,610' KB: 3646'
ACTIVE - GAS
API NUMBER 30-015-22825

SOUTHEAST
A'