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
2.2 OF 5

SUBSURFACE TECHNOLOGY, INC.
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MARCH 2013

NORTHWEST
C

SOUTHEAST
C'

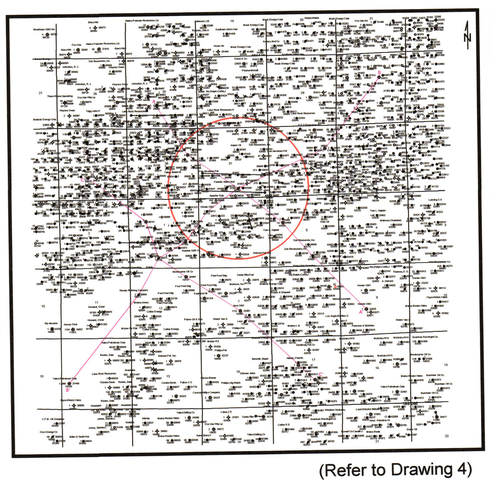
PRE-ONGARD WELL OPER.	MEWBOURNE OIL	NAVAJO REFINING COMPANY	LIME ROCK RESOURCES	RAY WESTALL	MEWBOURNE OIL
PRE-ONGARD NO. 15	CHALK BLUFF FED COM NO. 2	WDW NO. 3	FED T SWD NO. 1	STATE CG NO. 1	ILLINOIS CAMP 17 ST NO. 2
K-35 T17S R27E	F-01 T18S R27E	M-01 T18S R27E	A-12 T18S R27E	J-07 T18S R28E	J-17 T18S R28E
TD: 10,900' KB: 3641'	TD: 10,140' KB: 3599'	TD: 10,119' KB: 3609'	TD: 10,142' KB: 3619'	TD: 10,380' KB: 3597'	TD: 10,570' KB: 3616'
PLUGGED OIL - SITE RELEASED	ACTIVE - GAS	ACTIVE - INJECTION	ACTIVE - SALTWATER DISPOSAL	ACTIVE - SALTWATER DISPOSAL	ACTIVE - GAS
API NUMBER 30-015-00628	API NUMBER 30-015-26741	API NUMBER 30-015-26575	API NUMBER 30-015-26404	API NUMBER 30-015-25361	API NUMBER 30-015-27732

5795' | 2575' | 2578' | 5033' | 7355'

Elevation (ft msl)

4000' 3800' 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' -4200' -4400' -4600' -4800' -5000' -5200' -5400' -5600' -5800' -6000' -6200' -6400' -6600' -6800'

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



(Refer to Drawing 4)

VERTICAL SCALE
0
200
0 1000 Feet
HORIZONTAL SCALE

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

DRAWING 7

NAVAJO REFINING COMPANY
ARTESIA, NEW MEXICO

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

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