

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

HOBBS OCD State of New Mexico
Energy Minerals and Natural Resources

Form C-101
June 16, 2008

JAN 17 2012 Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit to appropriate District Office

☐ AMENDED REPORT

RECEIVED

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

Operator Name and Address CAZA OPERATING, LLC. 200 NORTH LORAIN SUITE 1550 MIDLAND, TEXAS 79701		OGRID Number 249099
		API Number 30-025-40402
Property Code 39017	Property Name LENNOX"33" STATE	Well No. 1H
Proposed Pool 1 Rock Lake WILDCAT=BONE SPRING		Proposed Pool 2

7 Surface Location

UL or lot no.	Section	Township	Range	Lot/Ida	Feet from the	North/South line	Feet from the	East/West line	County
D	33	22S	35E		660'	NORTH	330'	WEST	Lea

8 Proposed Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot/Ida	Feet from the	North/South line	Feet from the	East/West line	County
A	33	22S	35E		660'	NORTH	330'	EAST	Lea

Additional Well Information

Work Type Code N	Well Type Code O	Cable/Rotary ROTARY	Lense Type Code S	Ground Level Elevation 3522'
Multiple NO	Proposed Depth TVD-11,500 MD-15,583'	Formation WOLFCAMP	Contractor UNKNOWN	Spud Date WHEN APPROVED

21 Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
26"	20"	Conductor	40'	Redi-mix	Surface
17 1/2"	13 3/8"	54.5#	700'	468 Sx.	Surface
12 1/4"	9 5/8"	40#	4900'	1147 Sx.	Surface
8 3/4"	7"	26#	11,500'	1037 Sx.	TOC 4700' FS
6 1/8"	4 1/2"	11.6#	Liner 4285"	246 Sx	TOPOF LINER

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.

SEE ATTACHED SHEET FOR DETAIL

**Permit Expires 2 Years From Approval
Date Unless Drilling Underway**

I hereby certify that the information given above is true and complete to the best of my knowledge and belief.		OIL CONSERVATION DIVISION	
Signature: <i>Joe T. Janica</i>		Approved by: <i>[Signature]</i>	
Printed name: Joe T. Janica		Title: <i>[Signature]</i>	
Title: Permit Eng.	Approval Date: JAN 1	Expiration Date:	
E-mail Address: joeianica@valornet.com			
Date: 01/16/12	Phone: 575-391-8503	Conditions of Approval Attached ☐	

JAN 23 2012

1. Drill 26" hole to 40'. Set 40' of 20" conductor pipe and cement to surface with Redi-mix.
2. Drill 17½" hole to 700'. Run and set 700' of 13 3/8" 54.5# J-55 ST&C casing. Cement with 268 Sx. of 35/65 Class "C" POZ, cement + 5% Salt, Yield 1.89, tail in with 200 Sx. of Class "C" + 2% CaCl, Yield 1.32, circulate cement to surface.
3. Drill 12½" hole to 4900'. Run and set 4900' of 9 5/8" 40# casing as follows: 900' of 9 5/8" 40# HCK-55 LT&C, 4000' of 9 5/8" 40# J-55 LT&C casing. Cement with 947 Sx. of 35/65 Class "C" POZ + 5% Salt, + 6% Gel, Yield 2.09, tail in with 200 Sx. of Class "C" cement + 1% CaCl, Yield 1.32, circulate cement to surface.
4. Drill 8 3/4" hole to 11,500'. Run open hole logs. Run and set 7" casing as follows: 1100' of 7" 26# HCP-110 LT&C, 10,400' of 7" 26# P-110 LT&C casing. Cement with 1037 Sx. of 50/50 POZ Class "H" cement + 5# Gilsonite/Sx. + .125# Cello Flakes/Sx + 0.25% Econolite, Yield 1.335% Excess estimate TOC 4300' from surface.
5. Set Whipstock as determined by Geologist. Drill 6 1/8" hole to a MD of 15,583'. Run 4285' of 4½" 11.6# P-110 BT&C liner with engineered sliding sleeves. Cement with 246 Sx. of Class "H" SoluCem H w/Fluid loss control and Defoamer, Yield 2.61. Cement volumes may be adjusted as required.

DISTRICT I
1625 N French Dr., Hobbs, NM 88240
Phone (575) 393-6161 Fax. (575) 393-0720

DISTRICT II
811 S. First St., Artesia, NM 88210
Phone (575) 748-1283 Fax: (575) 748-9720

DISTRICT III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

DISTRICT IV
1220 S St Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax. (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30 025-40402	Pool Code 52766	Pool Name Rock Lake WILDCAT-BONE SPRING
Property Code 39017	Property Name LENNOX 33 STATE	Well Number 1H
OGRID No. 249099	Operator Name CAZA OPERATING, LLC	Elevation 3522'

Surface Location

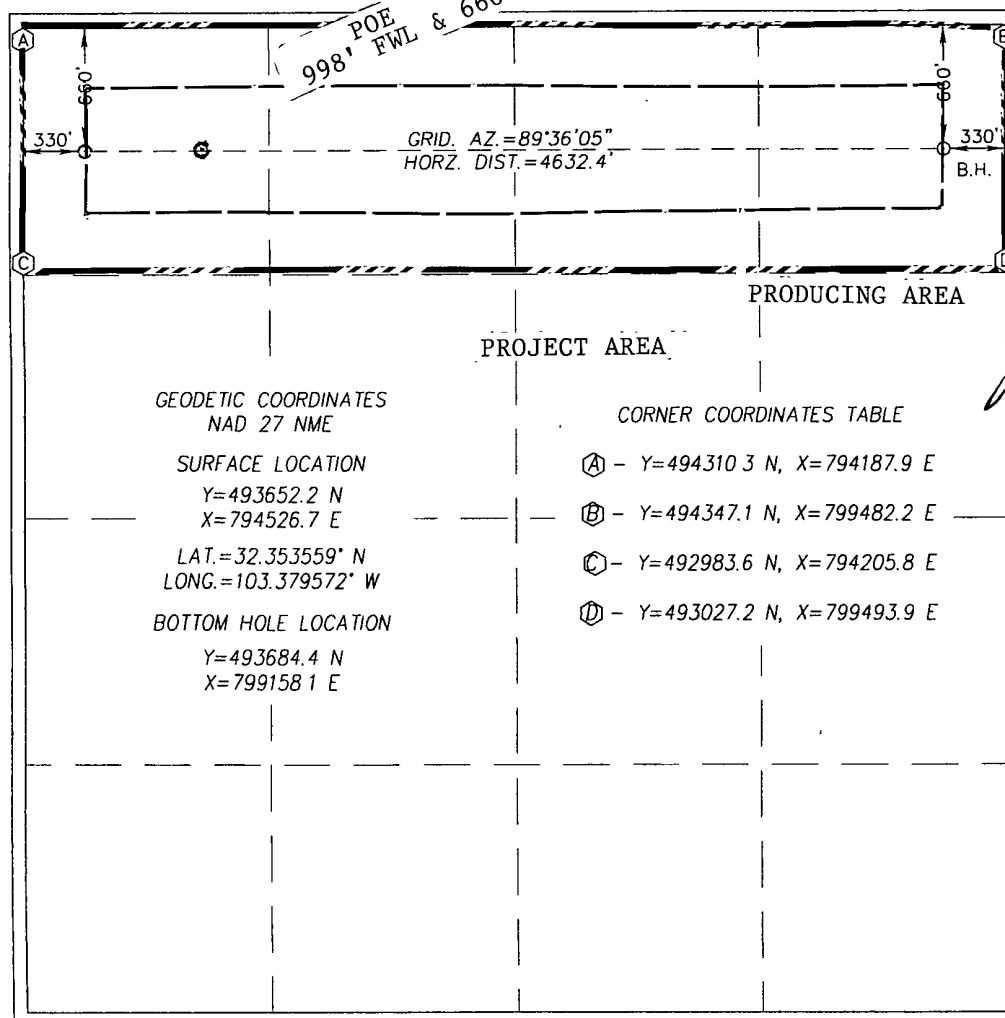
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	33	22-S	35-E		660	NORTH	330	WEST	LEA

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
A	33	22-S	35-E		660	NORTH	330	EAST	LEA

Dedicated Acres	Joint or Infill	Consolidation Code	Order No
-----------------	-----------------	--------------------	----------

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPI ENT INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



OPERATOR CERTIFICATION

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

Joe T. Janica
Signature Date

Joe T. Janica 01/16/12

Printed Name

joeganica@valornet.com
E-mail Address

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

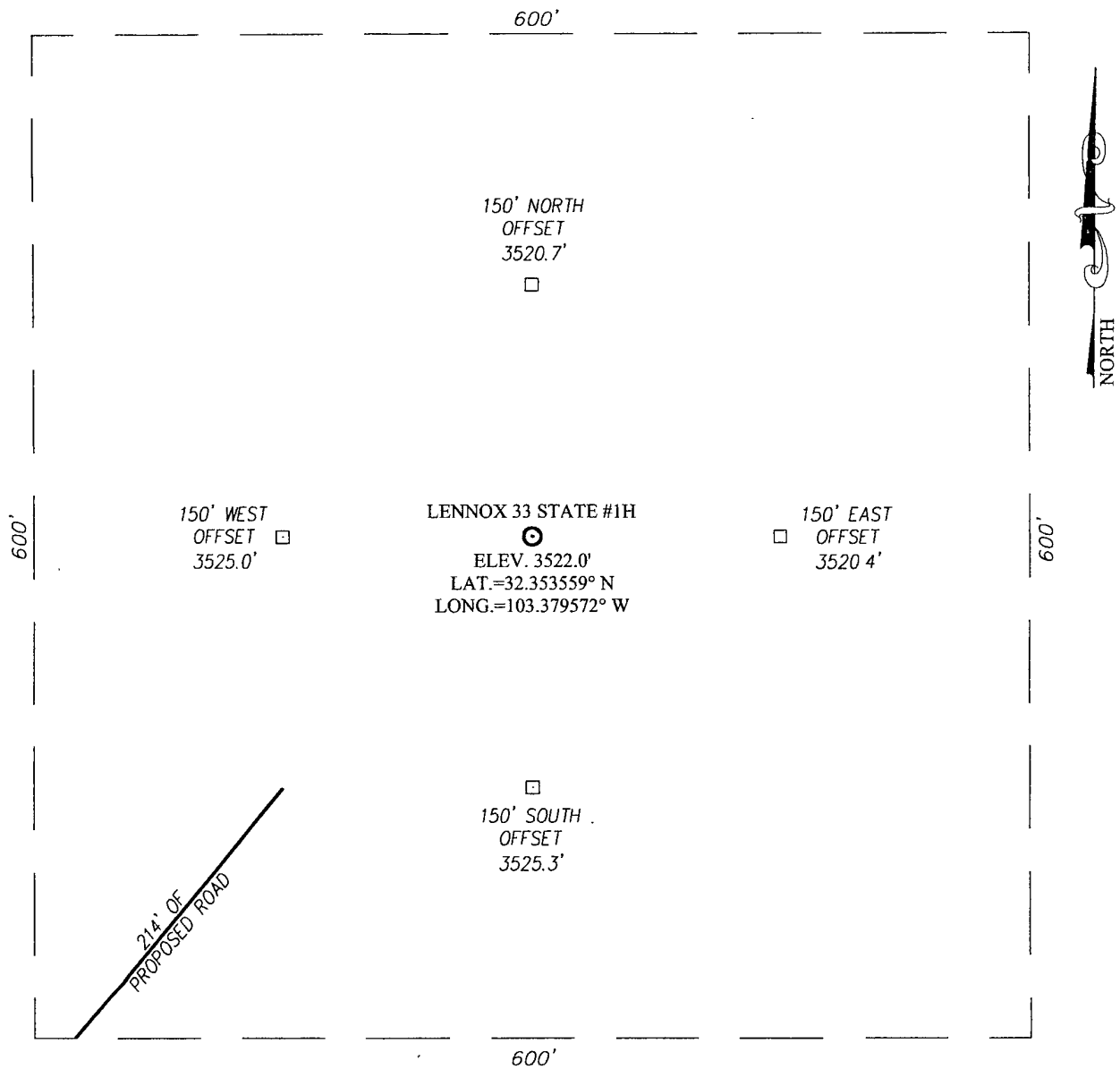
JANUARY 4, 2012

Date of Survey

Signature & Seal of Professional Surveyor:

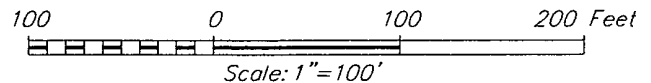
Ronald J. Eidson
Professional Surveyor
NEW MEXICO
3239
Certificate Number... Gary C. Eidson 12641
Ronald J. Eidson 3239
AF JWSC WO 11.11.2692

SECTION 33, TOWNSHIP 22 SOUTH, RANGE 35 EAST, N.M.P.M.
LEA COUNTY NEW MEXICO



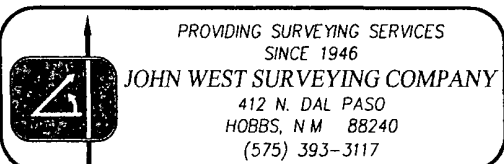
DIRECTIONS TO LOCATION

FROM THE INTERSECTION OF CO. RD. #E-21
(DELEWARE BASIN-PAVED) AND CO. RD. #E-11
(TEAGUE SWITCH-CALICHE) GO WEST APPROX. 3.0
MILES ON DELAWARE BASIN RD. TURN RIGHT AND GO
NORTHWEST APPROX 1.1 MILES TURN LEFT ON TRAIL
ROAD AND GO SOUTHWEST APPROX. 0.4 MILES TURN
RIGHT AND GO NORTHWEST APPROX. 0.2 MILES.
FOLLOW PROPOSED ACCESS ROAD 215 FEET
NORTHEAST TO THIS LOCATION.



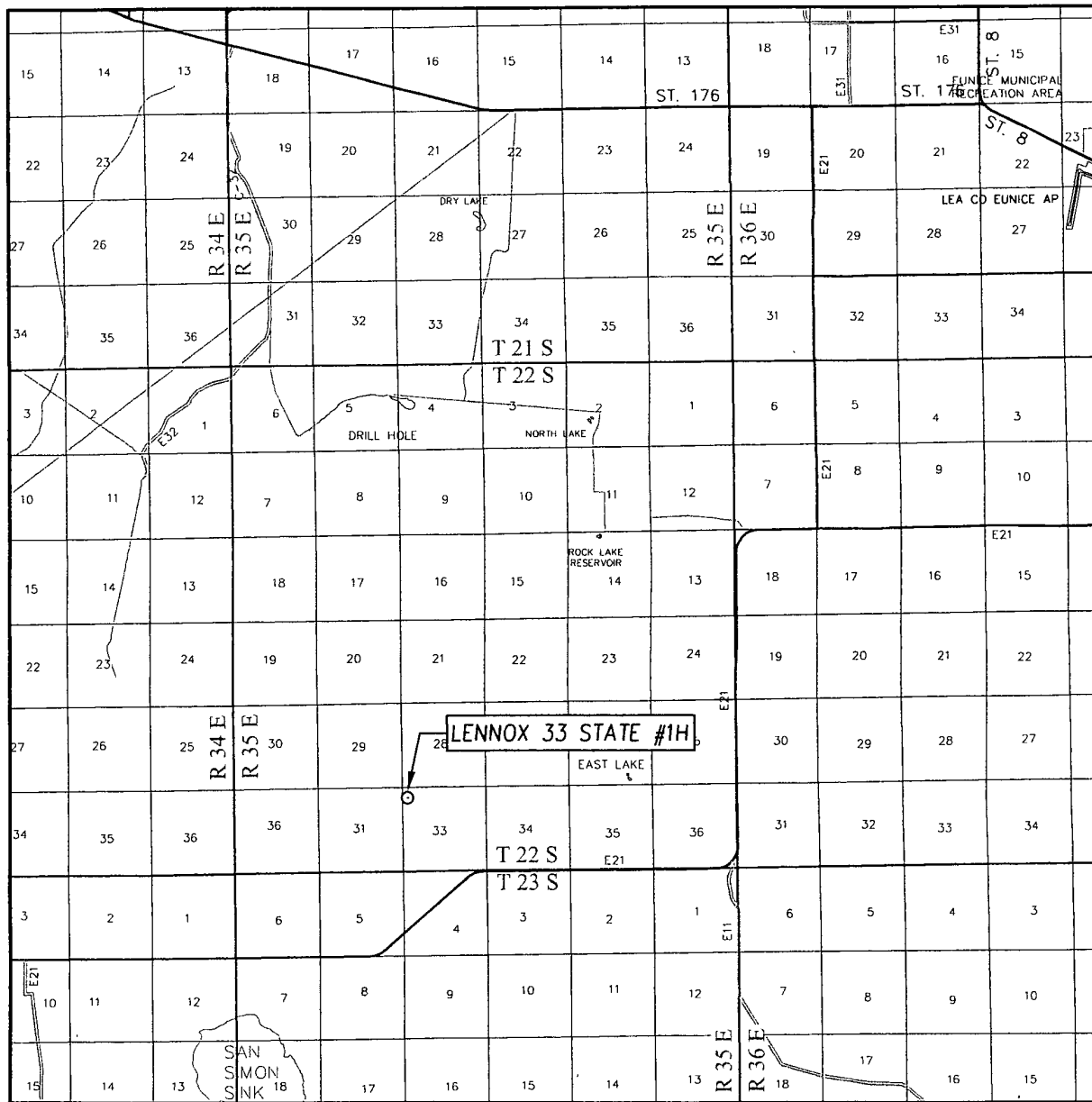
CAZA OPERATING, LLC

LENNOX 33 STATE #1H WELL
LOCATED 660 FEET FROM THE NORTH LINE
AND 330 FEET FROM THE WEST LINE OF SECTION 33,
TOWNSHIP 22 SOUTH, RANGE 35 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO



Survey Date: 1/4/12	Sheet 1 of 1 Sheets
W.O. Number: 11.11.2692	Dr. By: AF Rev 1:
Date: 1/10/12	Rel W.O.: 11112692 Scale: 1"=100'

VICINITY MAP



SCALE: 1" = 2 MILES

SEC. 33 TWP. 22-S RGE. 35-E

SURVEY N.M.P.M

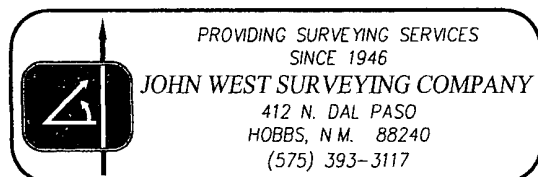
COUNTY LEA STATE NEW MEXICO

DESCRIPTION 660' FNL & 330' FWL

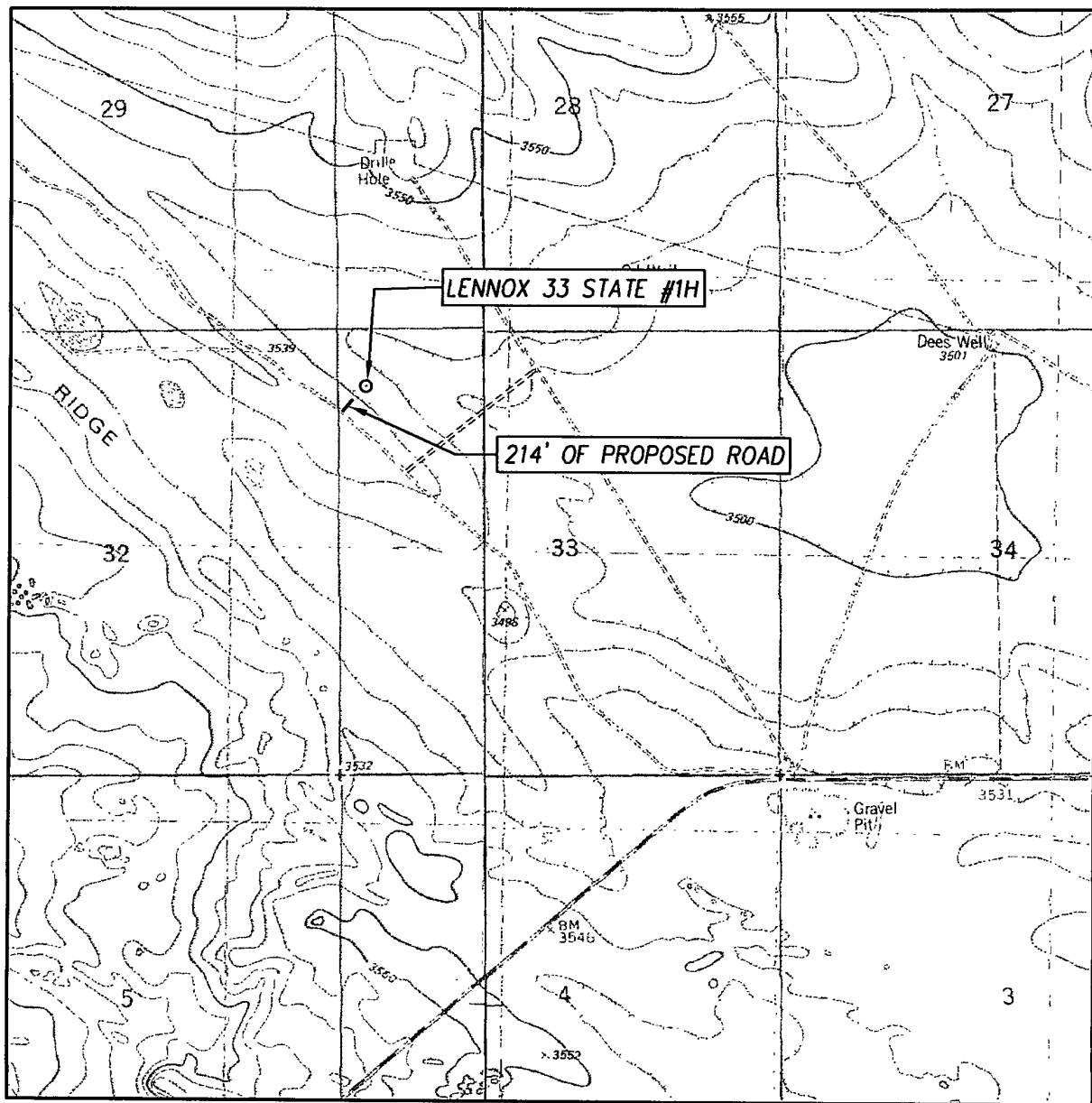
ELEVATION 3522'

OPERATOR CAZA OPERATING, LLC

LEASE LENNOX 33 STATE



LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

SEC. 33 TWP. 22-S RGE 35-E

SURVEY N.M.P.M.

COUNTY LEA STATE NEW MEXICO

DESCRIPTION 660' FNL & 330' FWL

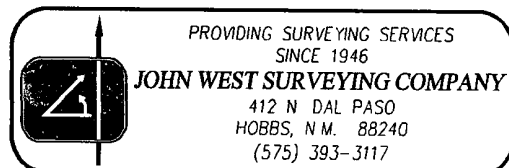
ELEVATION 3522'

OPERATOR CAZA OPERATING, LLC

LEASE LENNOX 33 STATE

U.S.G.S TOPOGRAPHIC MAP
SAN SIMON SINK, N.M.

CONTOUR INTERVAL:
SAN SIMON SINK, N.M. - 10'
EAST LAKE, N.M. - 10'



PROVIDING SURVEYING SERVICES
SINCE 1946

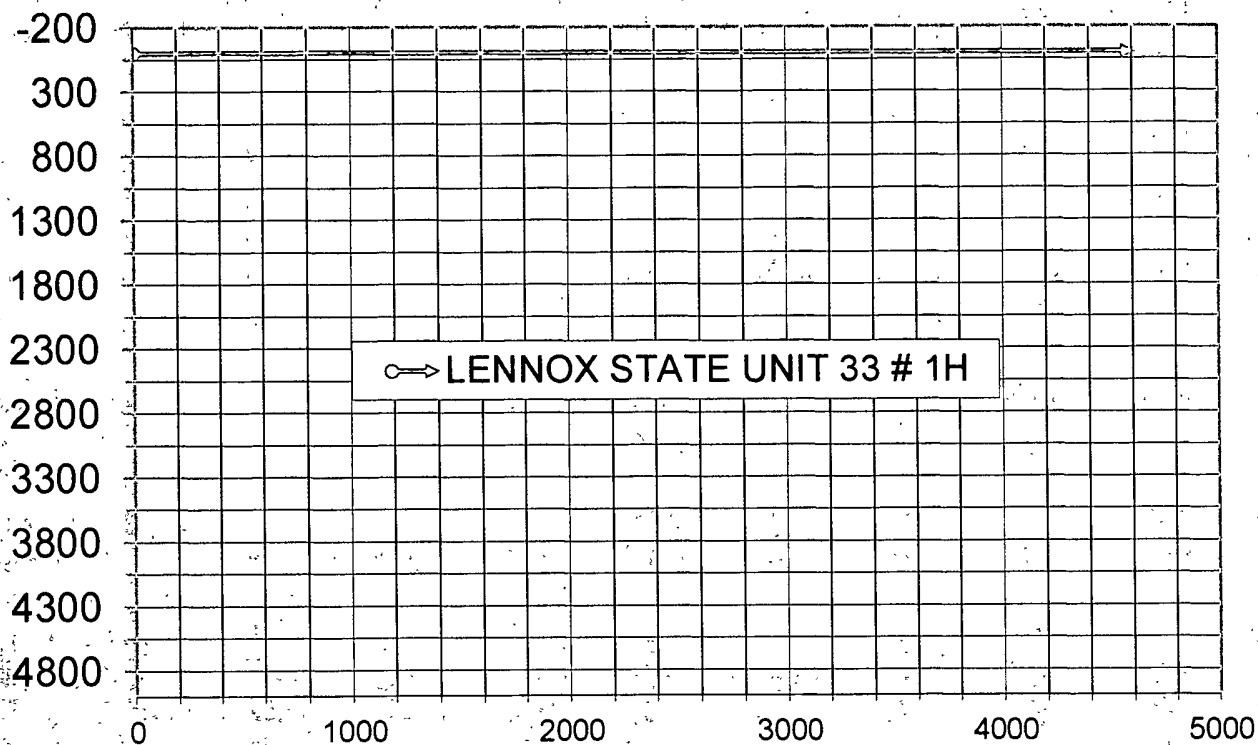
JOHN WEST SURVEYING COMPANY

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

Horizontal Plane

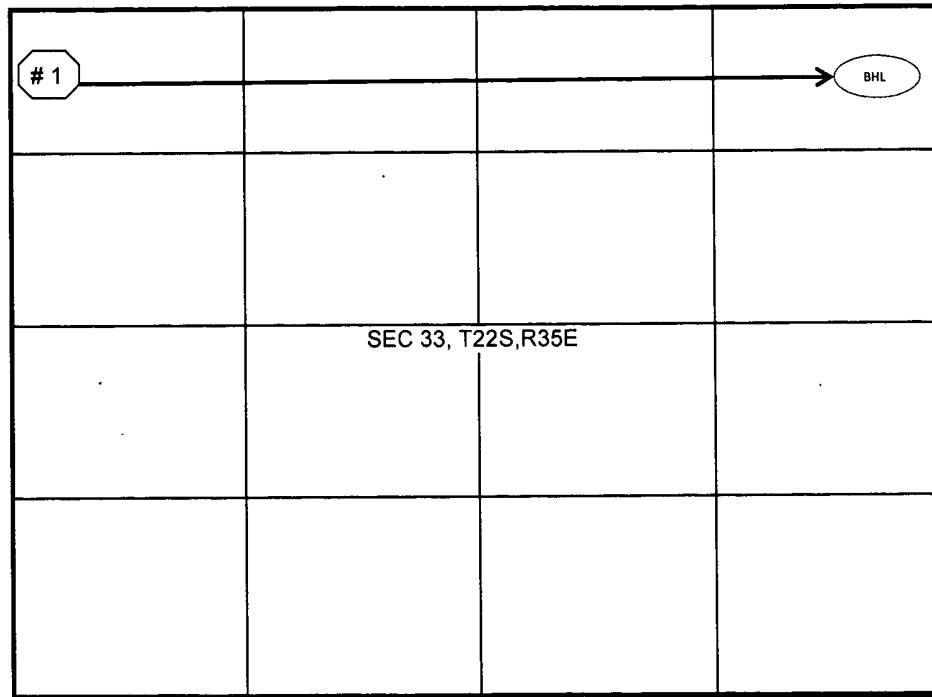
Footage +East/-West

Footage + North/- South



LENNOX 33 STATE UNIT # 1H 3rd Bones Springs Horizontal

Sec 33, T-22-S, R-35-E, Lea County, New Mexico



Well Name	Surface Location	Depth and Strata	Target TD	Bottom Hole Location	
LENNOX 33 # 1H	N/W N/W	TD = 11,100 3rd Bone Springs Hr	11,500 WOLFCAMP	NE/NE	± 11,100 T

LONG'S METHOD OF SURVEY COMPUTATION

OBLIQUE CIRCULAR ARC INTERPOLATION

6000	MD OF INTERPOLATION DEPTH,(feet)
#N/A	TVD COORDINATE OF THE DEPTH (feet)
#N/A	N/S COORDINATE OF DEPTH (feet)
#N/A	E/W COORDINATE OF DEPTH (feet)

3 D DISTANCE BETWEEN STATION A AND STATION B

DISTANCE TABLE

STATION A	STATION B
400.00	600.00
300.00	400.00
100.00	300.00
300.00	ft

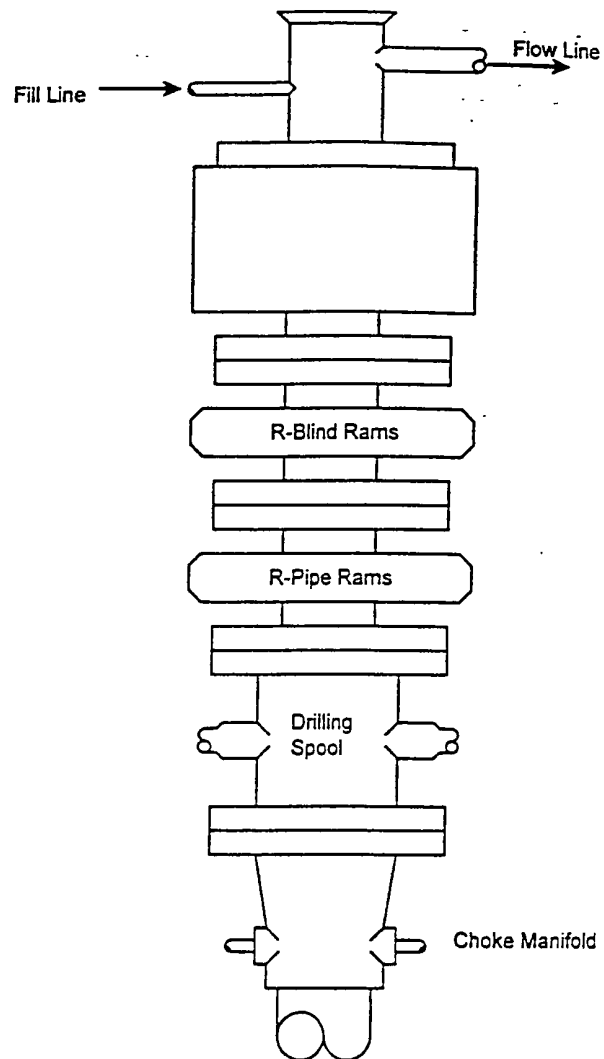
TABLE OF SURVEY STATIONS

Calculator =

STA #	ΔMD ft	INCL deg	AZIM deg	MD ft	TVD ft	N+/S- ft	E+/W- ft	DLS deg/100FT
1	TIE POINT =>	0	0	10782.00	10782.00	0.00	0.00	-
2	100	18	90	10882.00	10880.36	0.00	15.58	18.00
3	100	36	90	10982.00	10969.10	0.00	60.79	18.00
4	100	54	90	11082.00	11039.52	0.00	131.21	18.00
5	100	72	90	11182.00	11084.73	0.00	219.95	18.00
6	100	90	90	11282.00	11100.31	0.00	318.31	18.00
7	100	90	90	11382.00	11100.31	0.00	418.31	0.00
8	100	90	90	11482.00	11100.31	0.00	518.31	0.00
9	100	90	90	11582.00	11100.31	0.00	618.31	0.00
10	50	90	90	11632.00	11100.31	0.00	668.31	0.00
11	100	90	90	11732.00	11100.31	0.00	768.31	0.00
12	100	90	90	11832.00	11100.31	0.00	868.31	0.00
13	100	90	90	11932.00	11100.31	0.00	968.31	0.00
14	100	90	90	12032.00	11100.31	0.00	1068.31	0.00
15	100	90	90	12132.00	11100.31	0.00	1168.31	0.00
16	100	90	90	12232.00	11100.31	0.00	1268.31	0.00
17	100	90	90	12332.00	11100.31	0.00	1368.31	0.00
18	100	90	90	12432.00	11100.31	0.00	1468.31	0.00
19	100	90	90	12532.00	11100.31	0.00	1568.31	0.00
20	100	90	90	12632.00	11100.31	0.00	1668.31	0.00
21	100	90	90	12732.00	11100.31	0.00	1768.31	0.00
22	100	90	90	12832.00	11100.31	0.00	1868.31	0.00
23	100	90	90	12932.00	11100.31	0.00	1968.31	0.00
24	100	90	90	13032.00	11100.31	0.00	2068.31	0.00
25	100	90	90	13132.00	11100.31	0.00	2168.31	0.00
26	100	90	90	13232.00	11100.31	0.00	2268.31	0.00
27	100	90	90	13332.00	11100.31	0.00	2368.31	0.00
28	100	90	90	13432.00	11100.31	0.00	2468.31	0.00
29	100	90	90	13532.00	11100.31	0.00	2568.31	0.00
30	100	90	90	13632.00	11100.31	0.00	2668.31	0.00
31	100	90	90	13732.00	11100.31	0.00	2768.31	0.00
32	100	90	90	13832.00	11100.31	0.00	2868.31	0.00
33	100	90	90	13932.00	11100.31	0.00	2968.31	0.00
34	100	90	90	14032.00	11100.31	0.00	3068.31	0.00
35	100	90	90	14132.00	11100.31	0.00	3168.31	0.00
36	100	90	90	14232.00	11100.31	0.00	3268.31	0.00
37	100	90	90	14332.00	11100.31	0.00	3368.31	0.00
38	100	90	90	14432.00	11100.31	0.00	3468.31	0.00
39	100	90	90	14532.00	11100.31	0.00	3568.31	0.00
40	100	90	90	14632.00	11100.31	0.00	3668.31	0.00
41	100	90	90	14732.00	11100.31	0.00	3768.31	0.00
42	100	90	90	14832.00	11100.31	0.00	3868.31	0.00
43	100	90	90	14932.00	11100.31	0.00	3968.31	0.00
44	100	90	90	15032.00	11100.31	0.00	4068.31	0.00
45	100	90	90	15132.00	11100.31	0.00	4168.31	0.00
46	100	90	90	15232.00	11100.31	0.00	4268.31	0.00
47	100	90	90	15332.00	11100.31	0.00	4368.31	0.00
48	100	90	90	15432.00	11100.31	0.00	4468.31	0.00
49	100	90	90	15532.00	11100.31	0.00	4568.31	0.00
50	51	90	90	15583.00	11100.31	0.00	4619.31	0.00
51								
52								

BLOWOUT PREVENTER SYSTEM

3000 PSI



Type 900 SERIES
3000 PSI WP

Choke Manifold Assembly for 5M WP System

