Submit 3 Copies To Appropriate District Office
District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Ave., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-103
June 19, 2008

WELL API NO. 30-045-33583	
5. Indicate Type of Lease STATE ☐ FEE ☒	
6. State Oil & Gas Lease No. 25016	
SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)	7. Lease Name or Unit Agreement Name RIO BRAVO 27
1. Type of Well: Oil Well ☐ Gas Well ☒ Other	8. Well Number 05
2. Name of Operator NOBLE ENERGY, INC.	9. OGRID Number 234550
3. Address of Operator 5802 US HIGHWAY 64 FARMINGTON, NEW MEXICO 87041	10. Pool name or Wildcat BASIN DK/BASIN FRUITLAND COAL
4. Well Location Unit Letter E : 1505 feet from the NORTH line and 1245 feet from the WEST line Section 27 Township 31N Range 13W NMPM SAN JUAN County, NEW MEXICO	
	11. Elevation *(Show whether DR, RKB, RT, GR, etc.)* 5673' GL

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPNS. ☐	P AND A ☐
PULL OR ALTER CASING ☐	MULTIPLE COMPL ☐	CASING/CEMENT JOB ☐	
DOWNHOLE COMMINGLE ☐			
OTHER: CONVERT GAS WELL TO A SALT WATER INJECTION WELL ☒		OTHER: ☐	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

NOBLE ENERGY, INC. RESPECTFULLY MAKES THIS REQUEST AS THE NOTICE OF INTENT TO CONVERT THE SUBJECT WELL FROM AN UNECONOMIC PRODUCING GAS WELL INTO A SALT WATER INJECTION WELL.

RCVD SEP 23 '09
OIL CONS. DIV.
DIST. 3

The following documents are attached:

1. Procedures for the conversion
2. Well Plat
3. Proposed Injection Facility Diagram
4. Topographical map
5. Down-hole well bore schematic

NOBLE ENERGY, INC. proposes the conversion to begin by October 1, 2009, upon approval from the NMOCD.

Spud Date: Rig Release Date:

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

SIGNATURE TITLE REGULATORY COMPLIANCE DATE 09/22/2009

Type or print name JEAN M. MUSE E-mail address: jmuse@nobleenergyinc.com PHONE: 303-228-4316

For State Use Only

APPROVED BY: TITLE Deputy Oil & Gas Inspector, District #3 DATE OCT 0 1 2009

Conditions of Approval (if any): No disposal will be allowed until NM OCD Santa Fe has issued an administrative SWD order, or a hearing order permitting injection

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Squeeze Fruitland & Plug Dakota

WELL NAME:	Rio Bravo 27-05	**DATE:**	
LOCATION:	NE/SW/NW Sec 27 T31N R13W	**API:**	30-045-33583
COUNTY:	San Juan		
STATE:	New Mexico		
FIELD:	La Plata		
OBJECTIVE:	Squeeze Fruitland Perforations & Plug Dakota		
TARGET FORMATION:	Fruitland Coal / Dakota	**DEPTH:**	1226' / 6392'
COMPLETION STATUS:	Multiple - FC / Dakota		
TOTAL DEPTH:	6675'		
PLUG BACK TD:	6675'		

DISCUSSION: This well was spud on 10/2/2006 and was intially completed as a multiple completion in the Dakota (6442' - 6544') and the Fruitland (1630' - 1796'). The fruitland is no longer economical and needs to be plugged by cement squeeze. The Dakota has minimal economic life remaining and will be plugged. This will allow for future plans of converting the well into a SWD well into the Mesaverde.

PROCEDURE:

1) Install and test rig anchors.Comply with all NMOCD, BLM, & Noble Energy's safety rules and regulations.
2) MIRU workover rig
3) Release rods and TOH laying down rods and pump.
4) ND wellhead and NU BOP. Test 3k psi BOP.
5) TOH with 2 3/8" tubing (Fruitland string)
6) TOH with 2 3/8" tubing (Dakota string)
7) PU packer plucker and TIH
8) Retrieve 7" Weatherford (86-32) permament packer @ 2021'.
9) TOH with packer and tbg
10) Blowdown well & kill with water as necessary.
11) RU wireline and set cement retainer @ 6380'
12) TIH with stinger and tbg
13) Sting into retainer.
14) RU cementing unit and mix 60 sx of Class B cement.
15) Begin squeeze into Dakota with 55sx and establish rate into perforations.
16) Sting out of retainer.

17) Pump the remaining 5 sx of cement on top of retainer. Circulate tbg clean.
18) TOH with tbg and stinger.
19) RIH with 7" wireline CIBP and set at 4335'.
20) TIH with open ended tubing and tag CIBP. Load casing with water and pressure test to 2000 psi.
21) RU cementing unit and mix 5 sx of class B cement. Spot or Tag plug as appropiate.
22) Spot 5 sx of Class B cement above CIBP to provide base for disposal.
23) TOH with open ended tbg.
24) RU wireline and RIH with 7" wireline drillable BP and set @ 1900'. Dump bail 2 sx cement on top of BP.
25) TIH with packer to below Fruitland perforations and set packer @ 1850'
26) Pressure test BP to 2000 psi.
27) Release packer and pull up to 1600' and reset packer, above Fruitland perforations.
28) RU cementing unit and mix 164 sx class B cement.
29) Begin squeeze into Dakota with 164sx and establish rate into perforations.
30) Leave SI overnight to WOC
31) Release packer and TOH.
32) Check with district before proceeding.

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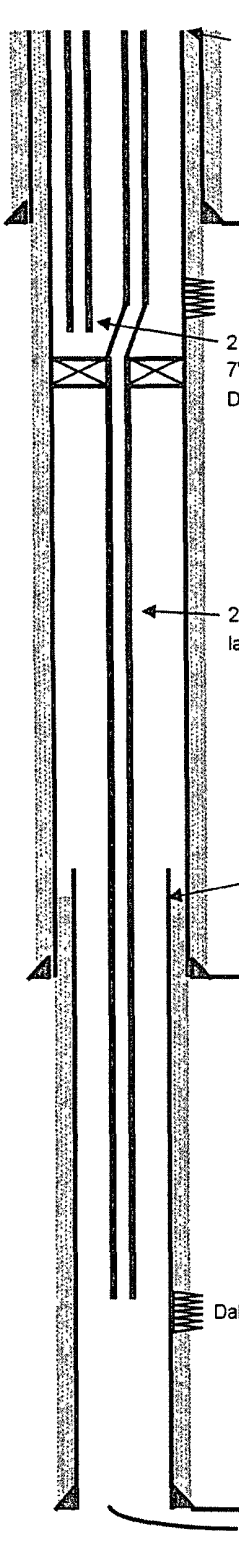
Rio Bravo 27-05
Current Schematic



Elevation: 5676'KB
TOC on 7", 1st stage circulated to surface. Cmt w/ 336 sx.
TOC on 7" 2nd stage circulated to surface. Cmt w/ 205 sx.
Confirmed with CBL to a depth of 275'

9 5/8" 36# J55 STC CSA 332'
Cement filled annulas to surface.

Fruitland Perforations @ 1630-1796' (gross)

2 3/8" tbg, J-55 4.7#, EUE (Fruitland String)
7" Weatherford (86-32) permament packer @ 2021'
DV Tool SA 2059.

2 3/8" tbg, J-55 4.7#, EUE (Dakota String)
landed @ ~6504'.

Chemical cut 4 1/2" casing @ 4339'
TOC on 4 1/2" CSG @ 4636' by CBL

7" 23# N-80 LTC CSA @ 4640'

Dakota perforations @ 6442' - 6544' (gross)

4 1/2" 11.6# N80 LTC CSA 6675' w/ 160 sx
TD: 6675'

Location: 1505' FNL, 1245' FWL,
Sec 27, T31N, R13W,
San Juan County, New Mexico

Field: La Plata
Basin Dakota/Blanco Mesa Verde

API #: 30-045-33583
Spud Date: October 2, 2006

Geoprognosis:

Fruitland Coal - 1226'
Pictured Cliffs - 1805'
Lewis - 1999'
Cliffhouse - 3398'
Menefee - 3517'
Point Lookout - 4199'
Gallup - 5771'
Dakota - 6392'

9/17/2009

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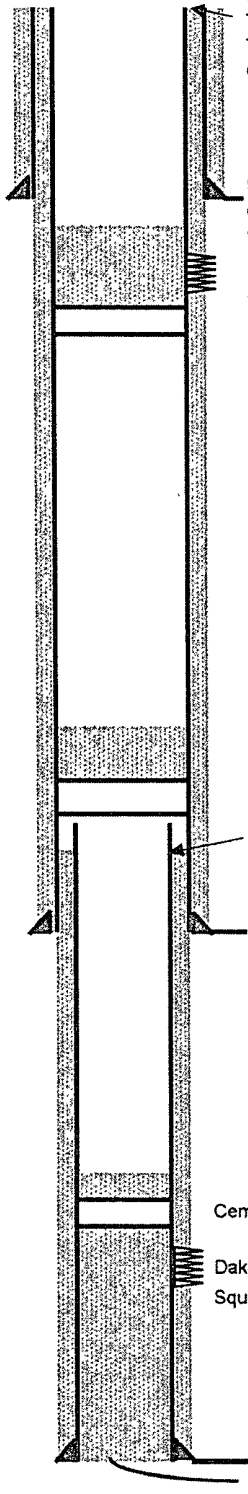
Rio Bravo 27-05
P&A Dakota & Fruitland
Schematic



Elevation: 5676'KB
TOC on 7", 1st stage circulated to surface. Cmt w/ 336 sx.
TOC on 7" 2nd stage circulated to surface. Cmt w/ 205 sx.
Confirmed with CBL to a depth of 275'

9 5/8" 36# J55 STC CSA 332'
Cement filled annulas to surface.
TOC @ 1600' where packer was set
Fruitland Perforations @ 1630-1796' (gross) - Squeezed
Squeezed with 164 sx of cement (200% excess)
Drillable BP @ 1900'

DV Tool SA 2059.

TOC @ 4310 by volume Calculations (0% excess)

7" CIBP @ 4335' w/ 5 sx cement on top

Chemical cut 4 1/2" casing @ 4339'
TOC on 4 1/2" CSG @ 4636' by CBL

7" 23# N-80 LTC CSA @ 4640'

Cement Retainer @ 6380' with 5 sx cement on top

Dakota perforations @ 6442' - 6544' (gross) - Squeezed
Squeezed and plugged with 55 sx of cement (160% excess)

4 1/2" 11.6# N80 LTC CSA 6675' w/ 160 sx
TD 6675'

Location: 1505' FNL, 1245' FWL,
Sec 27, T31N, R13W,
San Juan County, New Mexico

Field: La Plata
Basin Dakota/Blanco Mesa Verde

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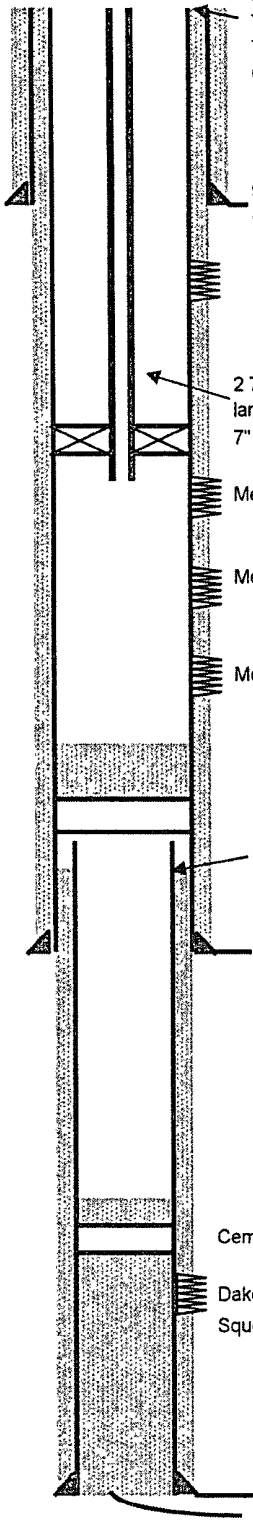
Dakota - 6392'

9/17/2009

noble energy

Rio Bravo 27-05
SWD Proposal Schematic



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TOC on 7" 2nd stage circulated to surface. Cmt w/ 205 sx.
Confirmed with CBL to a depth of 275'

9 5/8" 36# J55 STC CSA 332'
Cement filled annulas to surface.

Fruitland Perforations @ 1630-1796' (gross) - Squeezed
Squeezed with 164 sx of cement (200% excess)
DV Tool SA 2059.

2 7/8" internally coated tbg, J-55 6.4#, EUE
landed @ ~3480'.
7" Weatherford Arrowset 1X Ret Packer w/ on off tool @ 3410'

Mesaverde (Cliffhouse) perforations @3487' to 3517' (gross)
*30' net perf interval @ 4spf 120° phase, 120 total shots

Mesaverde (Menefee) perforations @3536' to 3568' (gross)
*32' net perf interval @ 4spf 120° phase, 128 total shots

Mesaverde (Point Lookout) Perforations @ 4200' - 4286' (gross)
*86' net perf interval @ 4spf 120° phase, 344 total shots

TOC @ 4310 by volume Calculations (0% excess)

7" CIBP @ 4335' w/ 5 sx cement on top

Chemical cut 4 1/2" casing @ 4339'
TOC on 4 1/2" CSG @ 4636' by CBL

7" 23# N-80 LTC CSA @ 4640'

Cement Retainer @ 6380' with 5 sx cement on top

Dakota perforations @ 6442' - 6544' (gross) - Squeezed
Squeezed and plugged with 55 sx of cement (160% excess)

4 1/2" 11.6# N80 LTC CSA 6675' w/ 160 sx
TD: 6675'

Location: 1505' FNL, 1245' FWL,
Sec 27, T31N, R13W,
San Juan County, New Mexico

Field: La Plata
Basin Dakota/Blanco Mesa Verde

API #: 30-045-33583
Spud Date: October 2, 2006

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Menefee - 3517'
Point Lookout - 4199'
Gallup - 5771'
Dakota - 6392'

9/17/2009

District I
PO Box 1980, Hobbs, NM 88241-1980

District II
PO Drawer DD, Artesia, NM 88211-0719

District III
1000 Rio Brazos Rd., Aztec, NM 87410

District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Form C-102
Revised February 21, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

[1] API Number	[2] Pool Code	[3] Pool Name
	71599 / 71629	BASIN DAKOTA / BASIN FRUITLAND COAL

[4] Property Code	[5] Property Name	[6] Well Number
	RIO BRAVO 27	05

[7] OGRID No.	[8] Operator Name	[9] Elevation
173252	PATINA SAN JUAN, INC.	5673'

[10] Surface Location

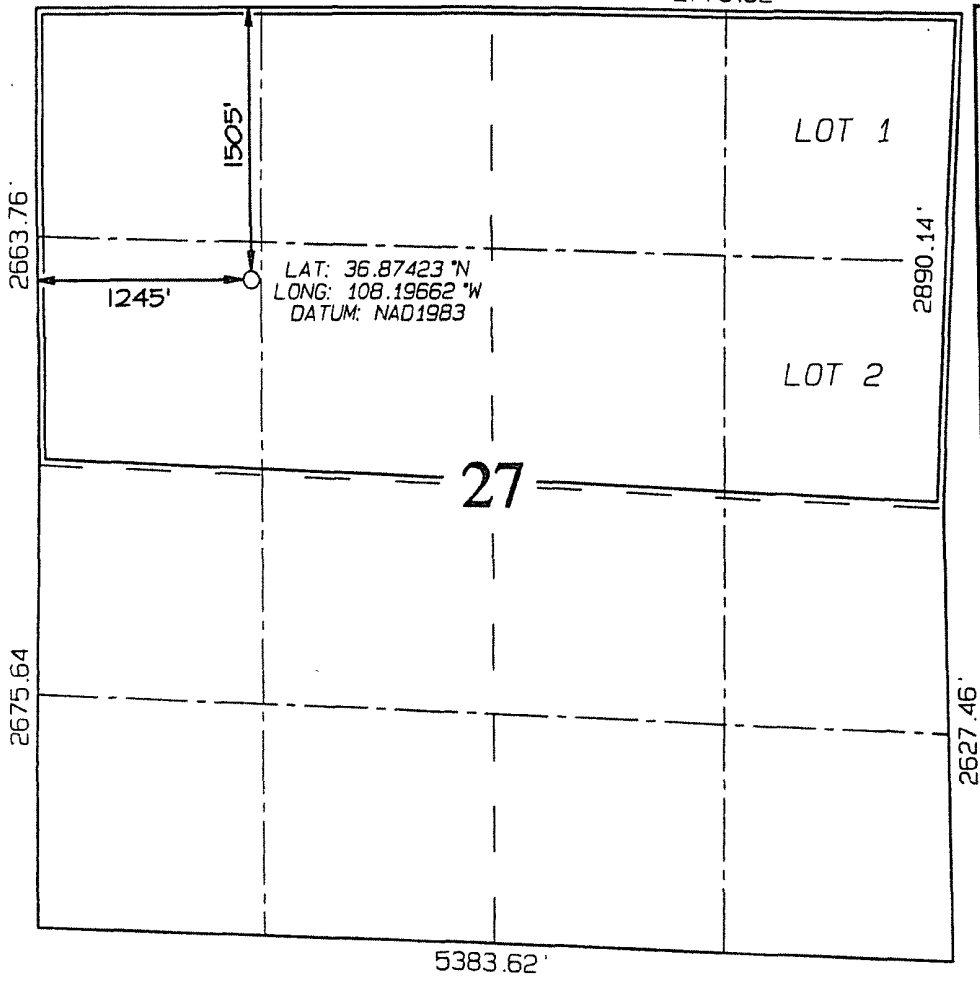
Ul or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	27	31N	13W		1505	NORTH	1245	WEST	SAN JUAN

[11] 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

[12] Dedicated Acres	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
329.25 Acres - (N/2)			

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



[17] 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

[18] 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.

Survey Date: JANUARY 25, 2006

Signature and Seal of Professional Surveyor

JASON C. EDWARDS
NEW MEXICO
15269
REGISTERED PROFESSIONAL SURVEYOR

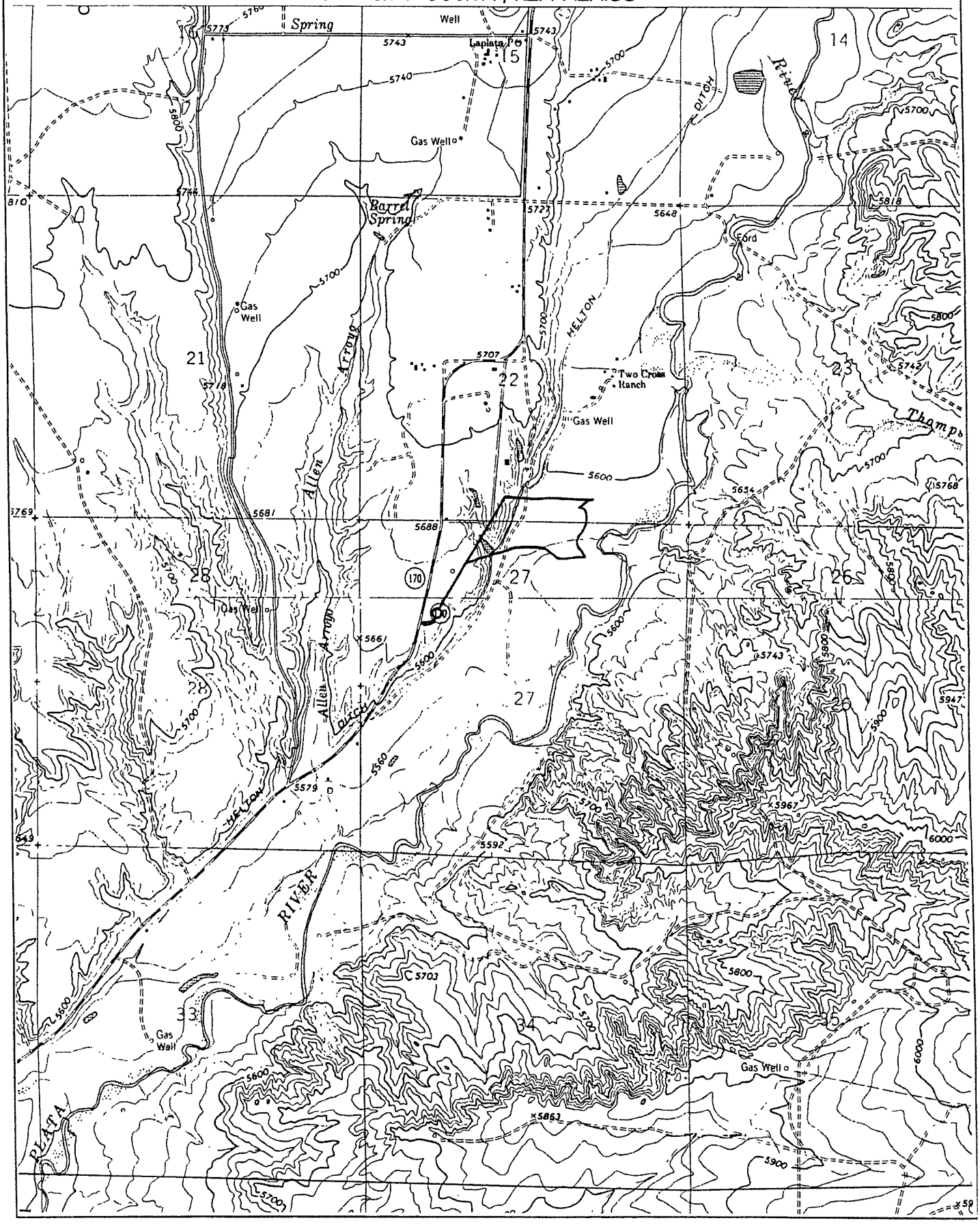
JASON C. EDWARDS

Certificate Number 15269

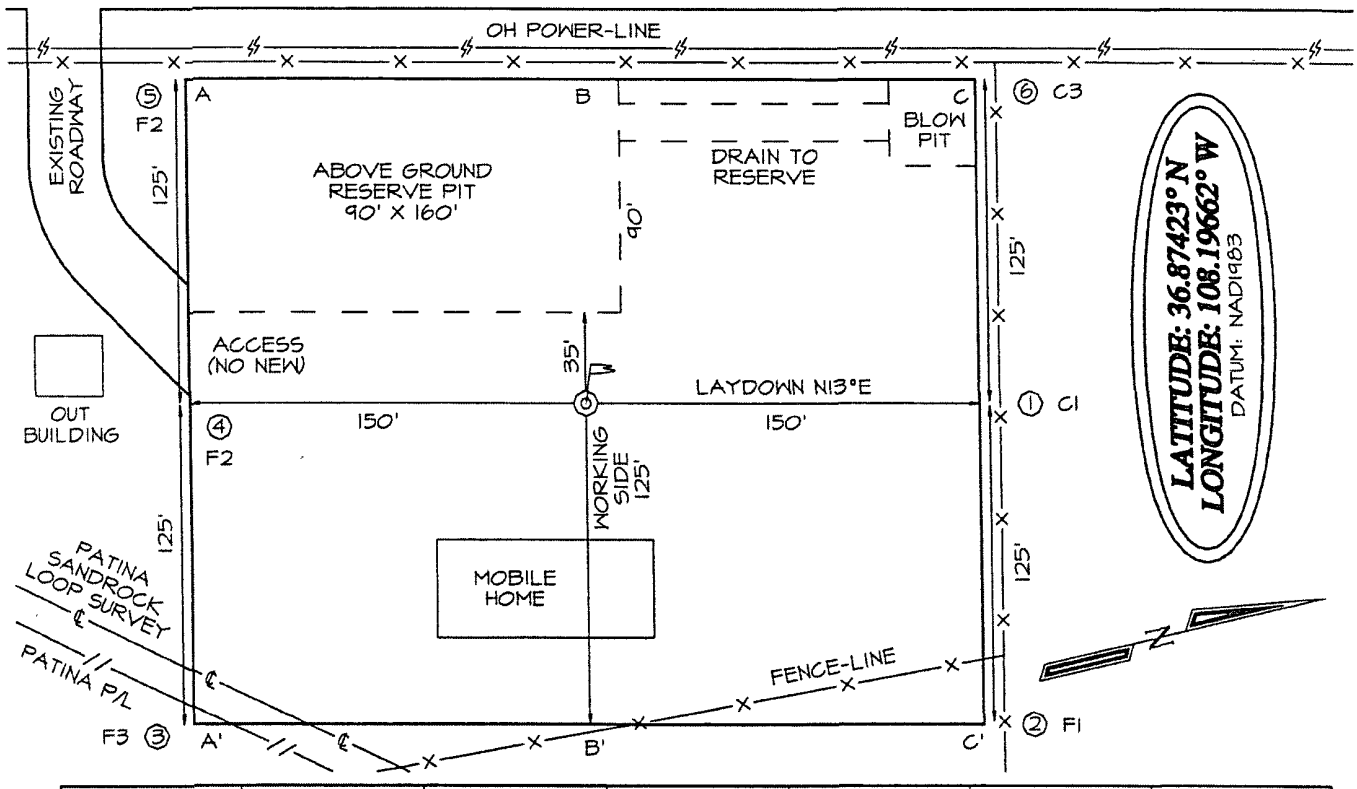
PATIN. SAN JUAN, INC. RIO BRAVO 27 #05

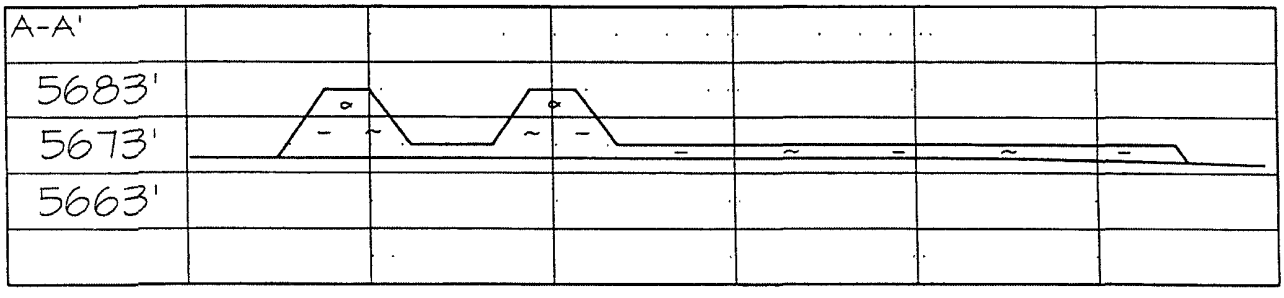
1505' FNL & 1245' FWL, SECTION 27, T31N, R13W, N.M.P.M.

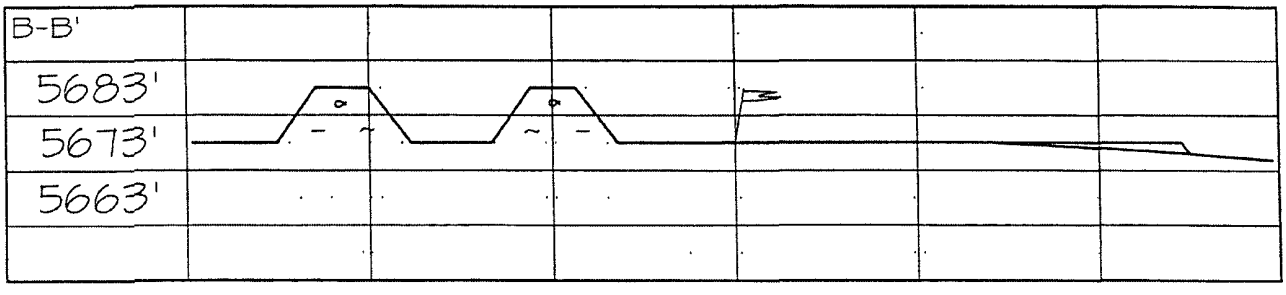
SAN JUAN COUNTY, NEW MEXICO

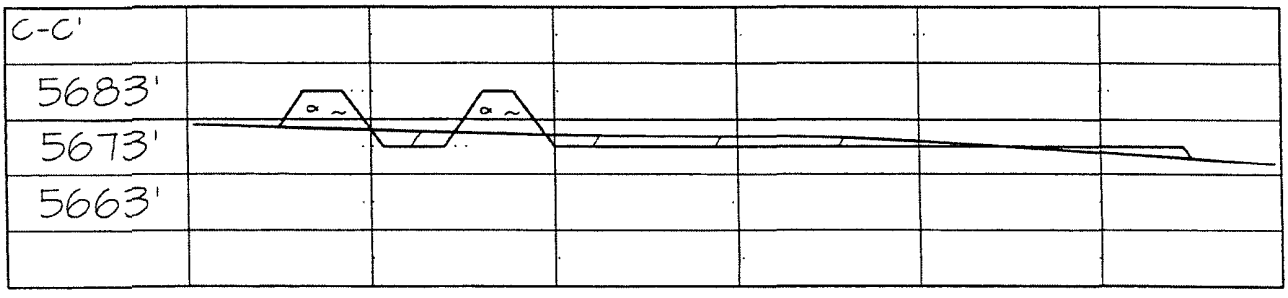


PATIN SAN JUAN, INC. RIO BRAVO 2 05
1505' FNL & 1245' FWL, SECTION 27, T31N, R13W, NMPM
SAN JUAN COUNTY, NEW MEXICO ELEVATION: 5673'



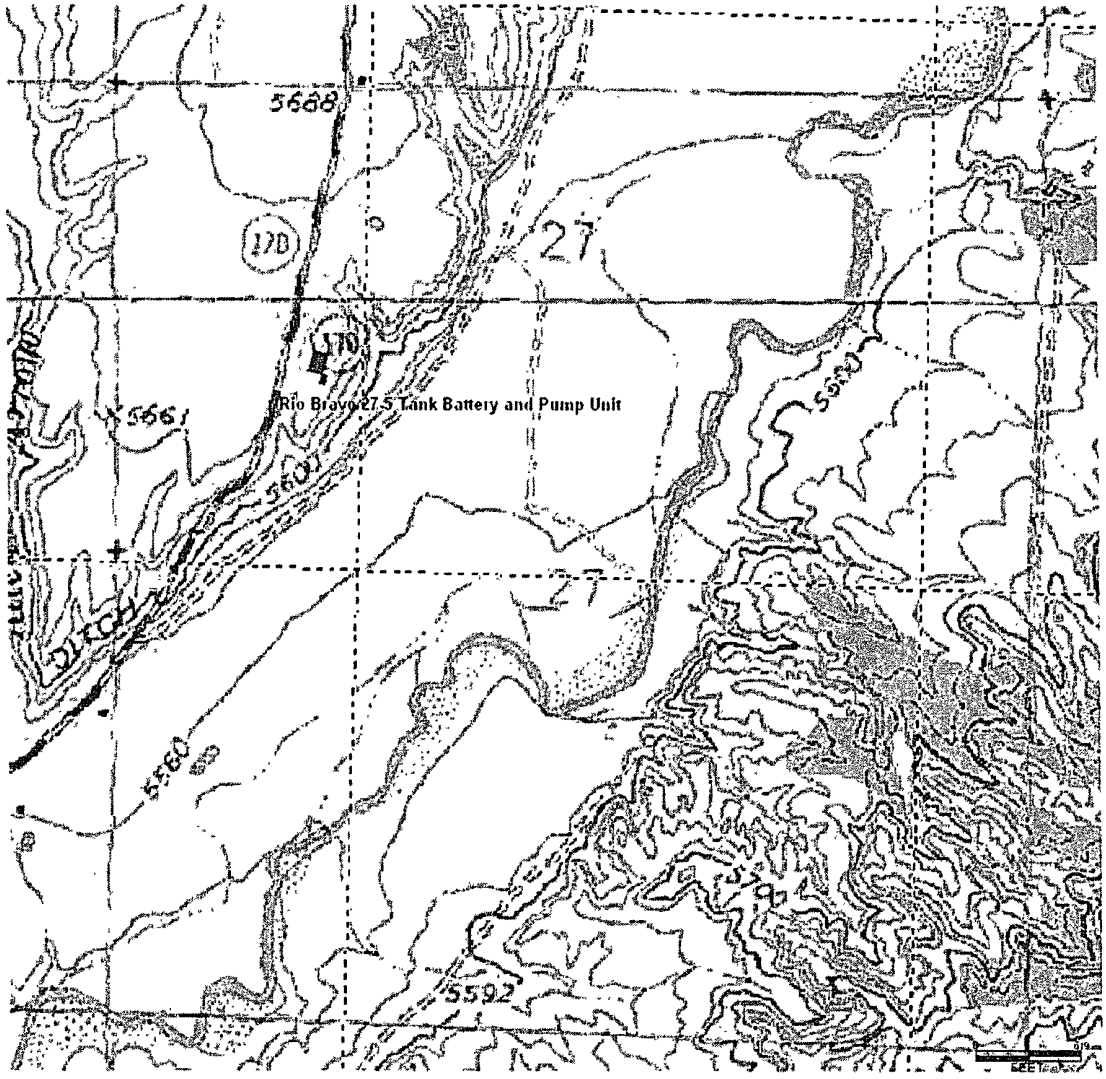




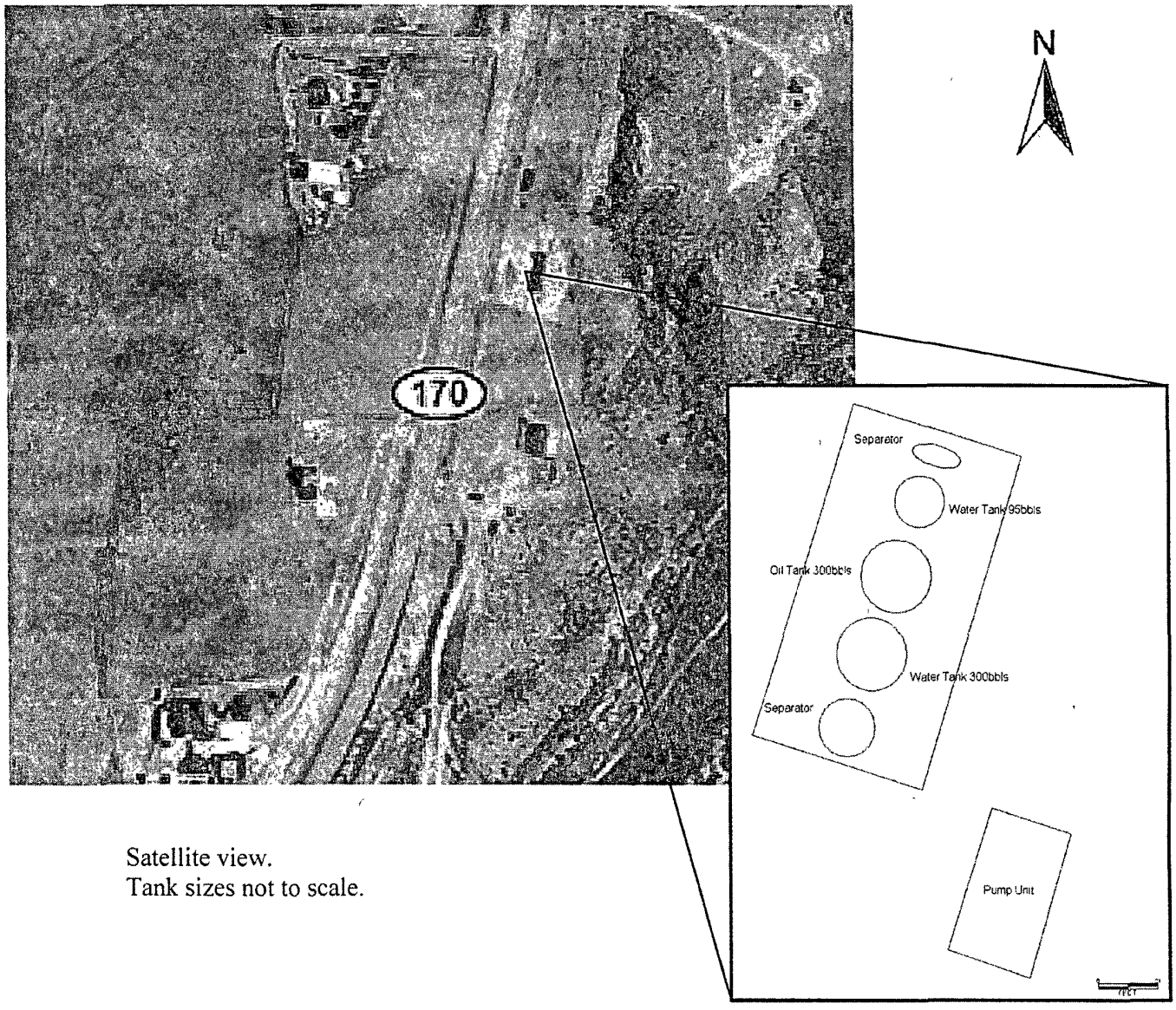


FILENAME: 311327ET	SHEET 2 OF 3	NCE SURVEYS, INC.	DRAWN BY: EDO	CHECKED BY JCE

Rio Bravo 27-5 located within T31N R13W Sec. 27. Unit includes Tank Battery and Pump Unit



Congressional View



Satellite view.
Tank sizes not to scale.

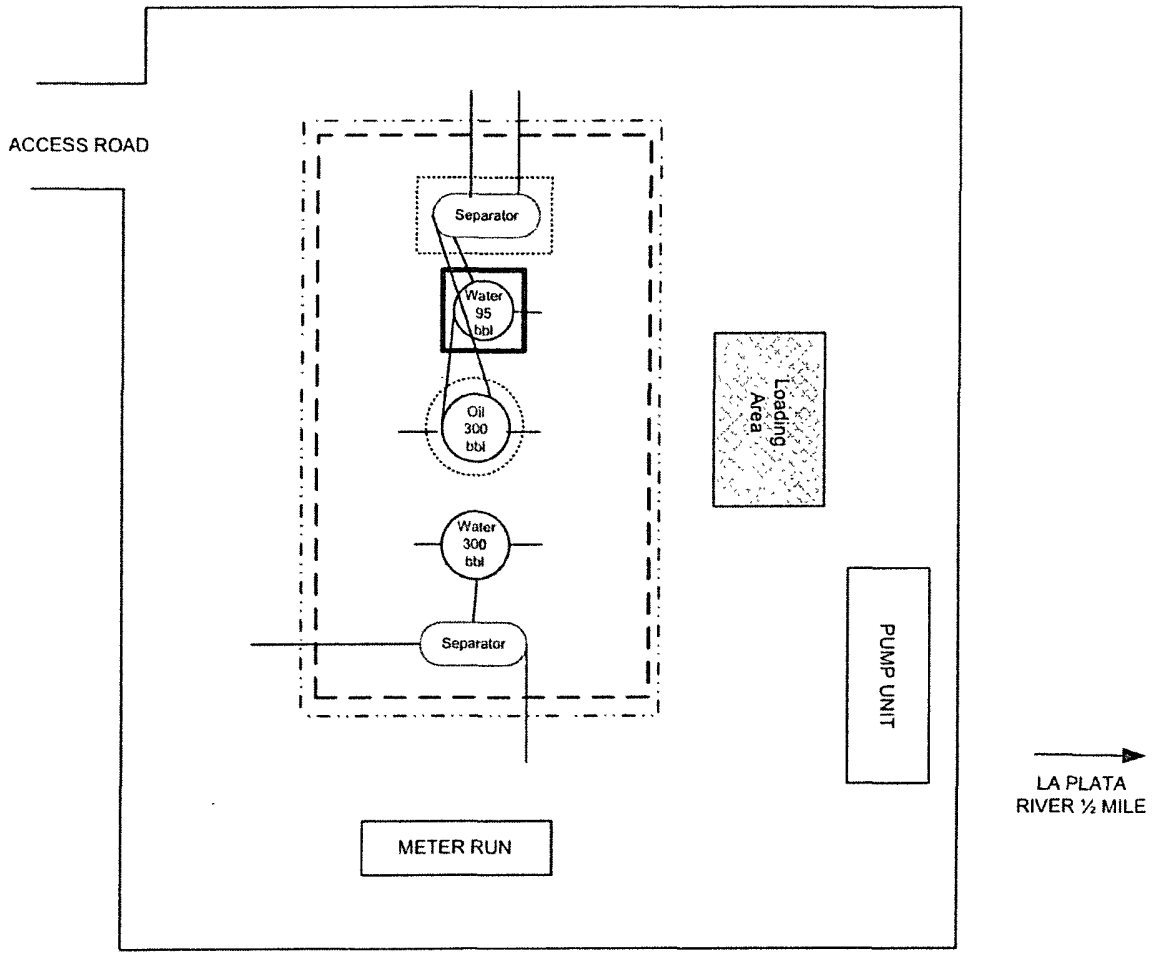
NOBLE ENERGY PRODUCTION, INC.

SITE ID: 303340
RIO BRAVO 27-05
SEC. 27 T31N R13W

NOT TO SCALE

LEGEND

- FENCE
- BERM
- ABOVEGROUND PIPING
- RAISED PAD
- DEPRESSION
- WELL HEAD
- DIRECTION OF FLOW
- bbl BARREL(S)



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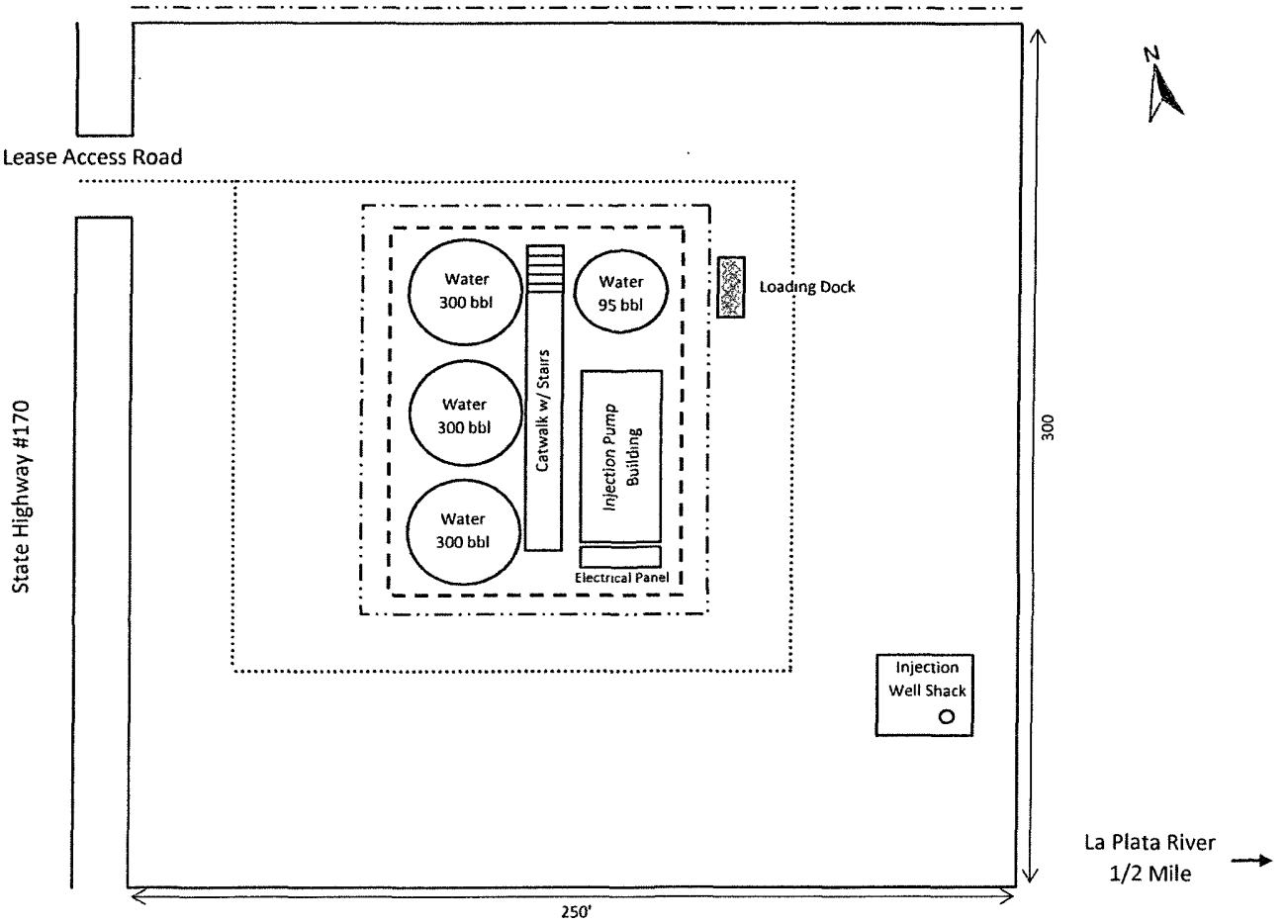
Rio Bravo 27-05 Proposed Injection Facility Plat

Scenario #1

1) 3 - 12'X15' 300 bbl water tanks
2) 1 - Underground 95 bbl water pit tank
3) 1 - 10'X30' building for pump
4) 1 - 30' catwalk w/ stairs
5) 1 - 6'X4' building for well
6) Lining placed within limits of burm



Legend

- O Well Location
- —·—·— Chainlink Fence
- - - - Burm
- ····· Road

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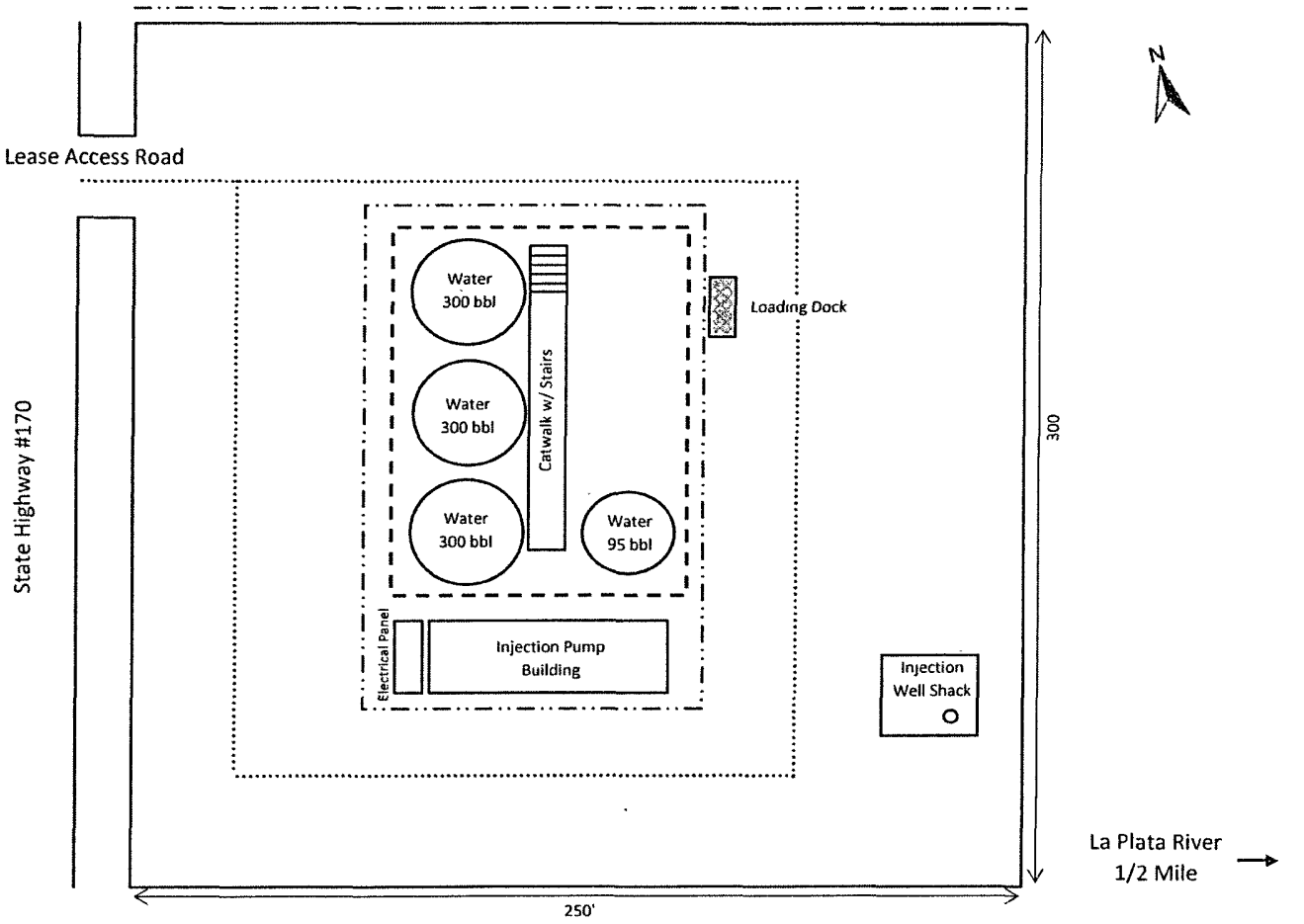
Rio Bravo 27-05 Proposed Injection Facility Plat

Scenario #2

1) 3 - 12'X15' 300 bbl water tanks
2) 1 - Underground 95 bbl water pit tank
2) 1 - 10'X30' building for pump
3) 1 - 30' catwalk w/ stairs
4) 1 - 6'X4' building for well
6) Lining placed within limits of burm



Legend

- O Well Location
- —·—·— Chainlink Fence
- - - - Burm
- ····· Road