

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

Form C-101
Revised November 14, 2012

Energy Minerals and Natural Resources
HOBBS OCD Oil Conservation Division
MAY 29 2013 1220 South St. Francis Dr.
Santa Fe, NM 87505

AMENDED REPORT

RECEIVED

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

1. Operator Name and Address COG Operating LLC 2208 West Main Street Artesia, NM 88210		4. OGRID Number 229137	
399260 Property Code		30025-25518 APT Number	
2. Property Name Bebidas 16 State SWD		5. Well No 1	

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
L	16	23S	33E		1980	South	660	West	Lea

8. Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County

9. Pool Information

Pool Name SWD; Delaware	Pool Code 96100
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Additional Well Information

11. Work Type Reentry	12. Well Type SWD	13. Cable/Rotary	14. Lease Type State	15. Ground Level Elevation 3698.9'
16. Multiple N	17. Proposed Depth 7550'	18. Formation Delaware	19. Contractor	20. Spud Date 6/10/2013
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

21. Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC

Permit Expires 2 Years From Approval Date Unless Drilling Underway Re-Entry

Casing/Cement Program: Additional Comments

See original completion for installed casing strings.
PU 6 1/4" bit, drill out cement plugs and clean out to 7550'. Set CIBP @ 7550' and perforate the Delaware Sand from 5160' to 7350'. RIH with injection packer on 4 1/2 injection tubing, set packer at approximately 5110' test tubing x casing annulus to 500 psi for 30 minutes and place well into SWD service.

22. Proposed Blowout Prevention Program

SWD-1412

Type	Working Pressure	Test Pressure	Manufacturer
Double Ram	3000	3000	Cameron

<p>23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that I have complied with 19.15.14.9 (A) NMAC <input type="checkbox"/> and/or 19.15.14.9 (B) NMAC <input type="checkbox"/>, if applicable. Signature: <i>Mayte Reyes</i></p> <p>Printed name: Mayte Reyes Title: Regulatory Analyst E-mail Address: mreyes1@concho.com Date: 5/29/2013 Phone: 575-748-6945</p>	OIL CONSERVATION DIVISION	
	Approved By: <i>[Signature]</i>	
	Title: Petroleum Engineer	
	Approved Date: 05/30/13	Expiration Date: 05/30/15
	Conditions of Approval Attached	

DISTRICT I
1623 N. FRENCH DR., HOBBS, NM 88240
Phone: (575) 363-6161 Fax: (575) 363-0720

DISTRICT II
1501 W. GRAND AVENUE, ARTESIA, NM 88210
Phone: (575) 746-1223 Fax: (575) 746-0720

DISTRICT III
1000 RIO BRAZOS RD., AZTEC, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

DISTRICT IV
11885 S. ST. FRANCIS DR., SANTA FE, NM 87505
Phone: (505) 476-3480 Fax: (505) 476-3482

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
11885 SOUTH ST. FRANCIS DR.
Santa Fe, New Mexico 87505

HOBBS OCD

Form C-102

Revised August 1, 2011

Submit one copy to appropriate

MAY 29 2013

RECEIVED

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code 96100	Pool Name SWD; Delaware
Property Code 39926	Property Name BEBIDAS 16 STATE SWD	Well Number 1
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3698.9

Surface Location

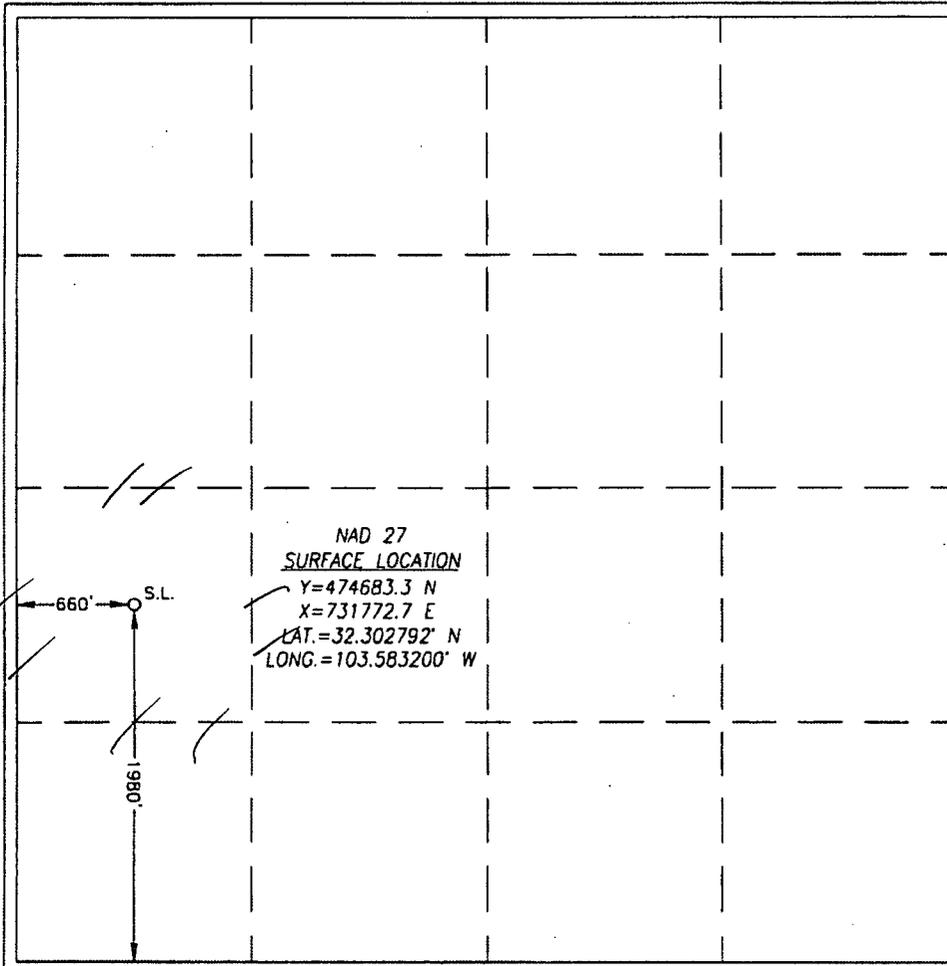
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	16	23-S	33-E		1980	SOUTH	660	WEST	LEA

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

Dedicated Acres 40	Joint or Infill	Consolidation Code	Order No.
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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



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.

Melanie Parker 5/29/13
Signature Date

Melanie J Parker
Printed Name

mparker@concho.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.

APRIL 18, 2013

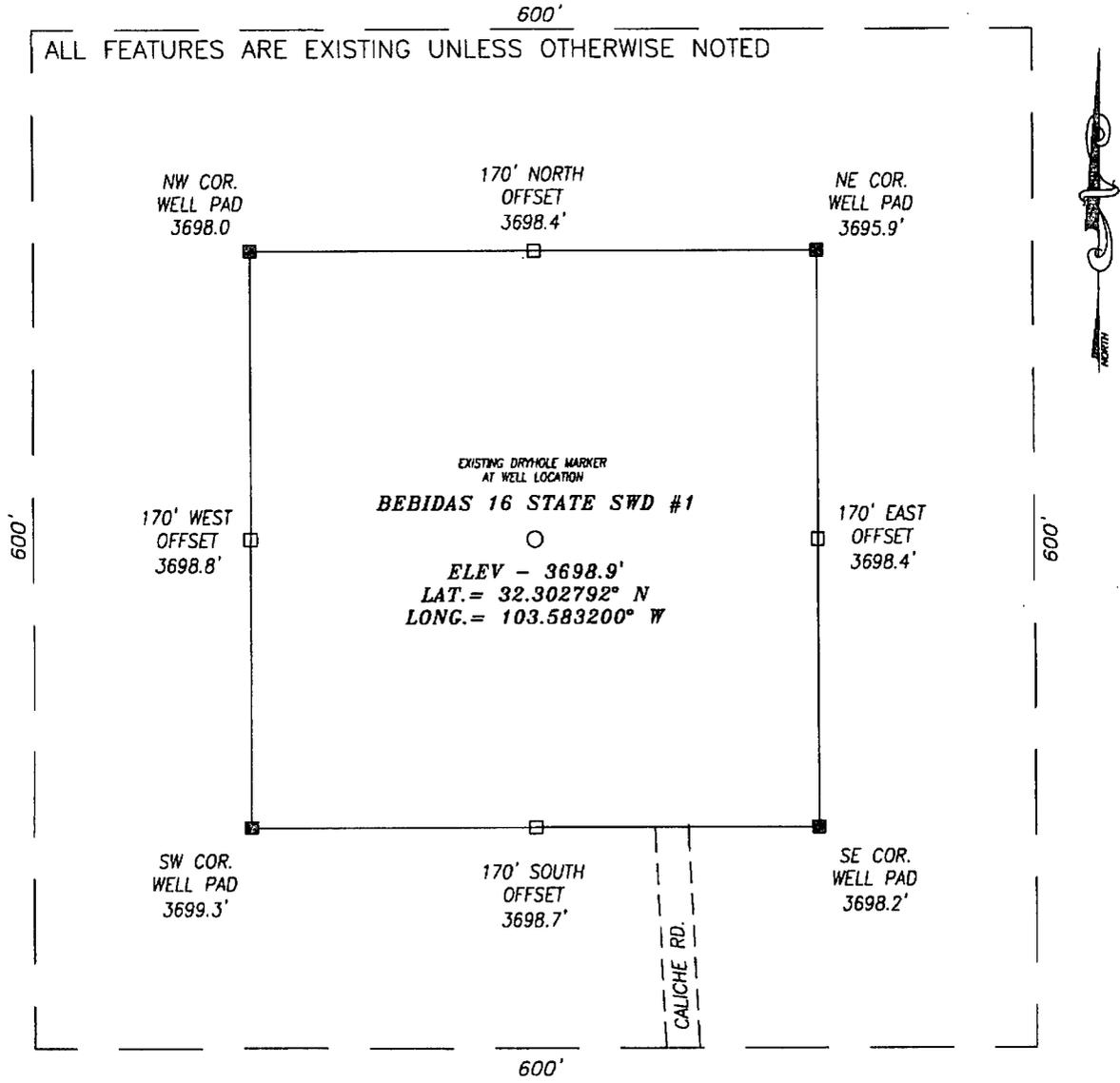
Date of Survey

Signature & Seal of Professional Surveyor



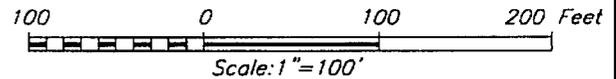
Chad L. Harcrow 4/24/13
Certificate No. CHAD HARCROW 17777
W.O. # 13-220 DRAWN BY: VD

SECTION 16, TOWNSHIP 23 SOUTH, RANGE 33 EAST, N.M.P.M.,
LEA COUNTY NEW MEXICO



DIRECTIONS TO LOCATION

FROM THE INTERSECTION OF HWY 128 AND CR #21 (DELAWARE BASIN RD) GO APPROX. 6.1 MILES NORTH ALONG CR #21; THEN TURN LEFT (WEST) ONTO A CALICHE ROAD AND GO APPROX. 4.2 MILES; THEN TURN RIGHT (NORTH) AND GO APPROX. 0.3 MILES AND PROPOSED WELL IS APPROX. 170 FEET NORTH.

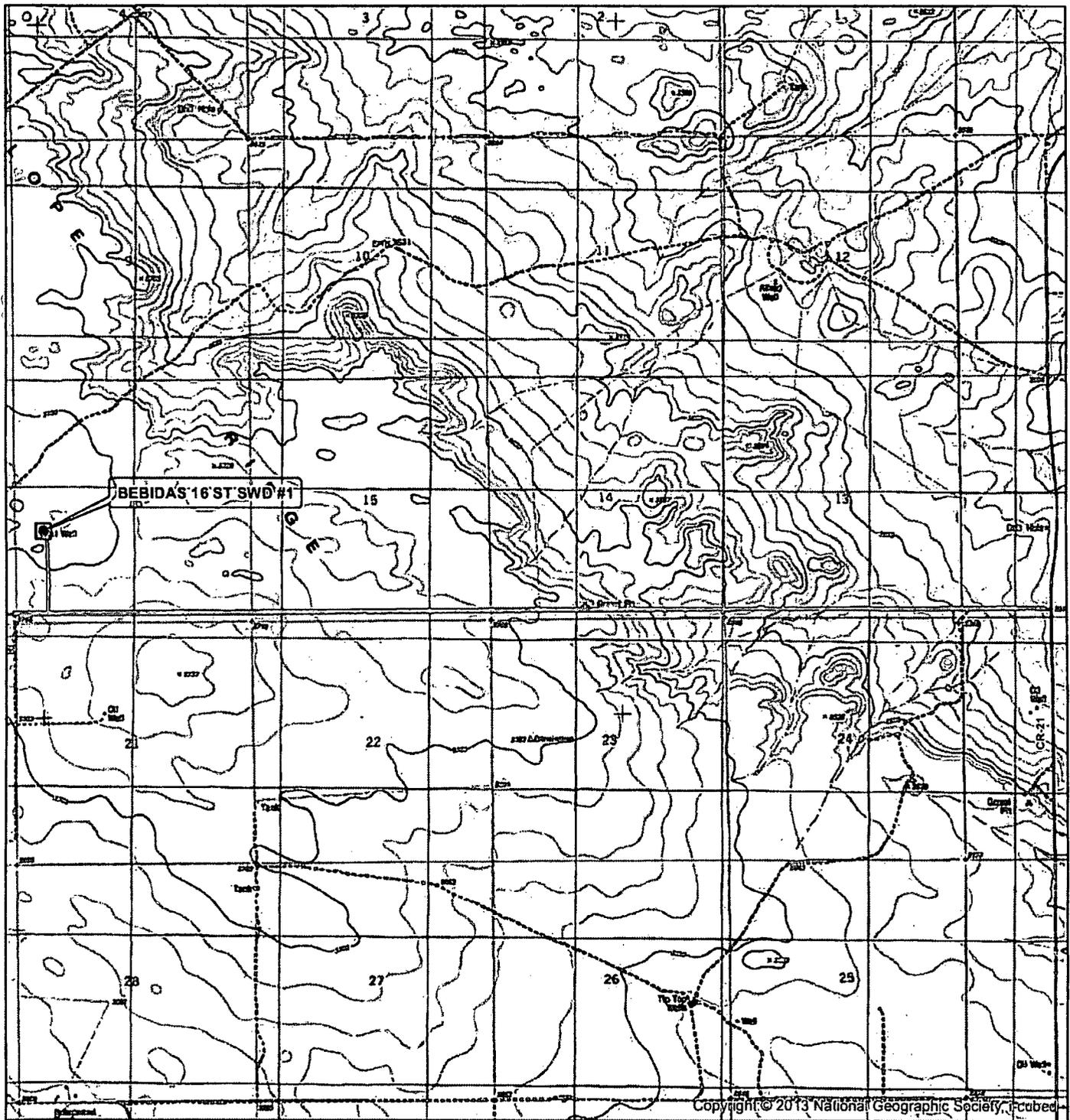


HARCROW SURVEYING, LLC
1107 WATSON, ARTESIA, N.M. 88210
PH: (575) 513-2570 FAX: (575) 746-2158
chad_harcrow77@yahoo.com



COG OPERATING, LLC	
BEBIDAS 16 STATE SWD #1 WELL LOCATED 1980 FEET FROM THE SOUTH LINE AND 660 FEET FROM THE WEST LINE OF SECTION 16, TOWNSHIP 23 SOUTH, RANGE 33 EAST, N.M.P.M., LEA COUNTY, NEW MEXICO	
SURVEY DATE: 04/18/2013	PAGE: 1 OF 1
DRAFTING DATE: 04/18/2013	
APPROVED BY: CH	DRAWN BY: VD FILE: 13-220

LOCATION VERIFICATION MAP



SEC. 16, TWP. 23S, RGE. 33E
 SURVEY: N.M.P.M.
 COUNTY: LEA STATE: NEW MEXICO
 DESCRIPTION: BEBIDAS 16 STATE SWD #1
 1980' FSL & 660' FWL

ELEVATION: 3698.9'
 OPERATOR: COG OPERATING, LLC
 LEASE: BEBIDAS 16 STATE

W.O. # 13-220



1 IN = 3,000 FT

0 1,000 2,000 3,000 4,000 FEET

0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 MILES

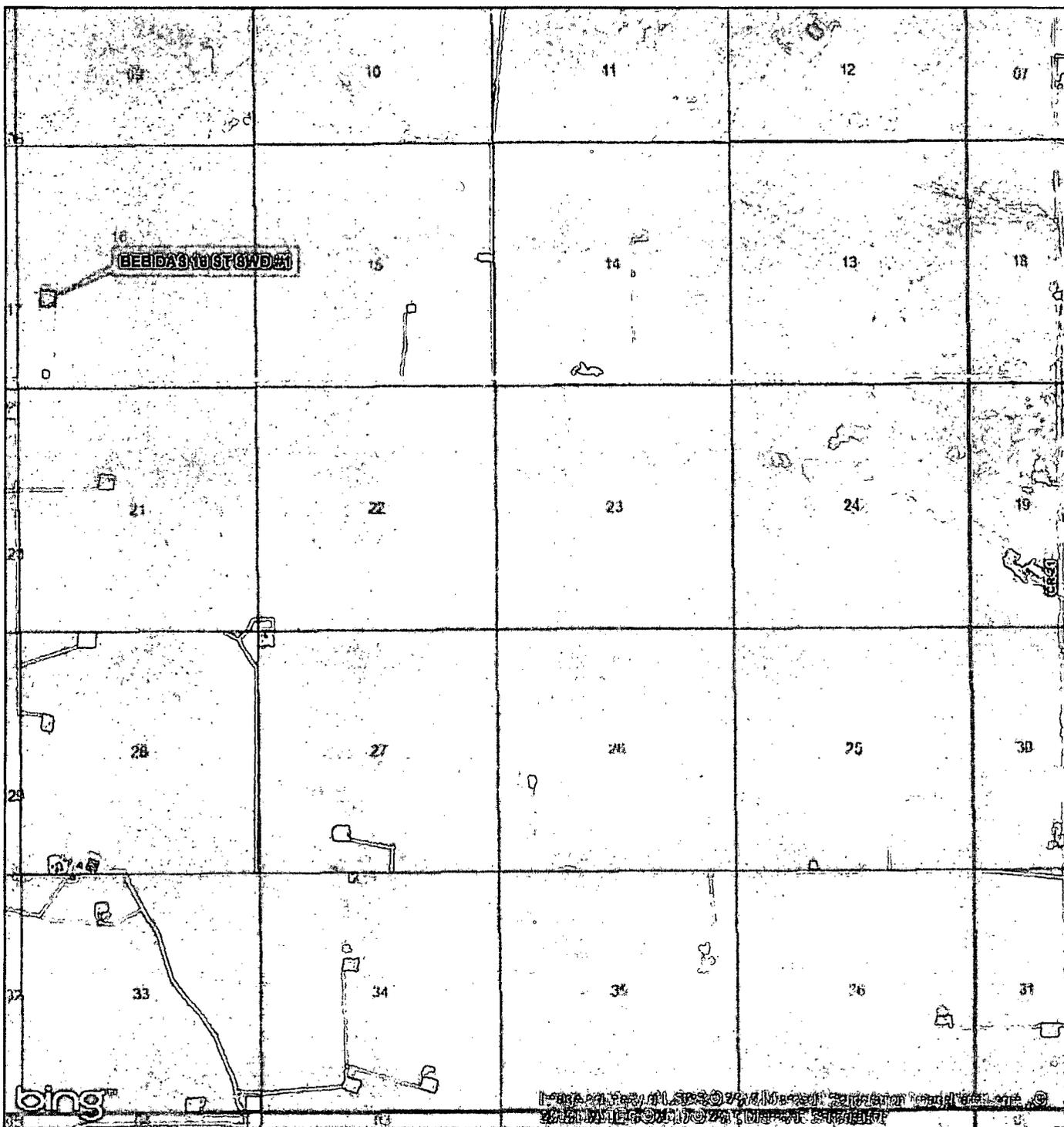
- WELL
- WELL PAD
- EXISTING ROAD

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MAP DATE: 4/19/2013

LOCATION VERIFICATION MAP



SEC. 16, TWP. 23S, RGE. 33E
 SURVEY: N.M.P.M.
 COUNTY: LEA STATE: NEW MEXICO
 DESCRIPTION: BEBIDAS 16 STATE SWD #1
 1980' FSL & 660' FWL

ELEVATION: 3698.9'
 OPERATOR: COG OPERATING, LLC
 LEASE: BEBIDAS 16 STATE

W.O. # 13-220



1 IN = 3,000 FT

0 1,000 2,000 3,000 4,000 FEET



0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 MILES

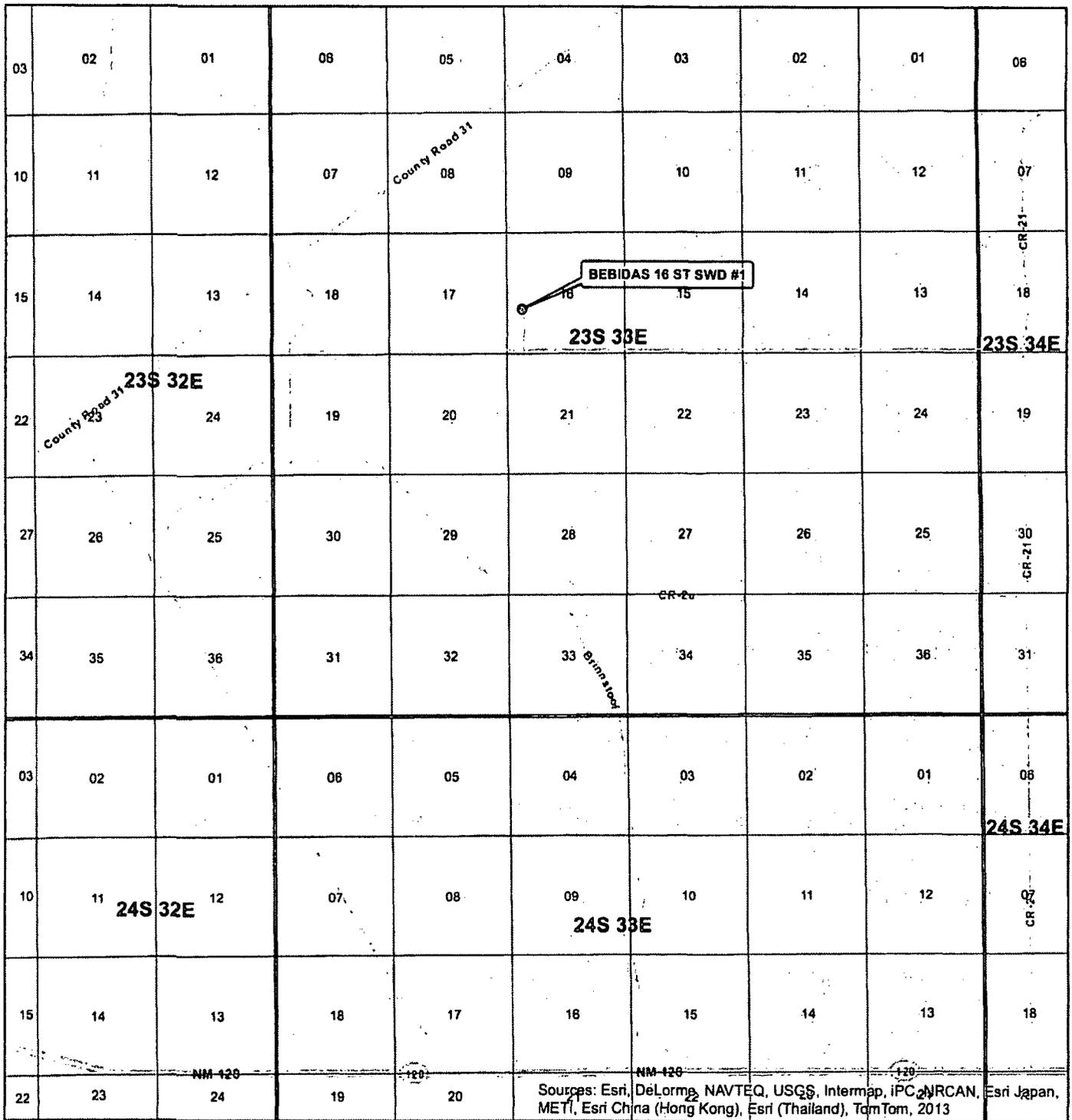
- WELL
- WELL PAD
- EXISTING ROAD

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MAP DATE: 4/19/2013

VICINITY MAP



Sources: Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013

SEC. 16, TWP. 23S, RGE. 3E
 SURVEY: N.M.P.M.
 COUNTY: LEA STATE: NEW MEXICO
 DESCRIPTION: BEBIDAS 16 STATE SWD #1
 1980' FSL & 660' FWL
 ELEVATION: 3698.9'
 OPERATOR: COG OPERATING, LLC
 LEASE: BEBIDAS 16 STATE

W.O. # 13-220



1 IN = 6,000 FT

- Well
- ▭ TOWNSHIP
- ▭ SECTION

0 0.25 0.5 0.75 1 1.25 1.5 1.75 MILES



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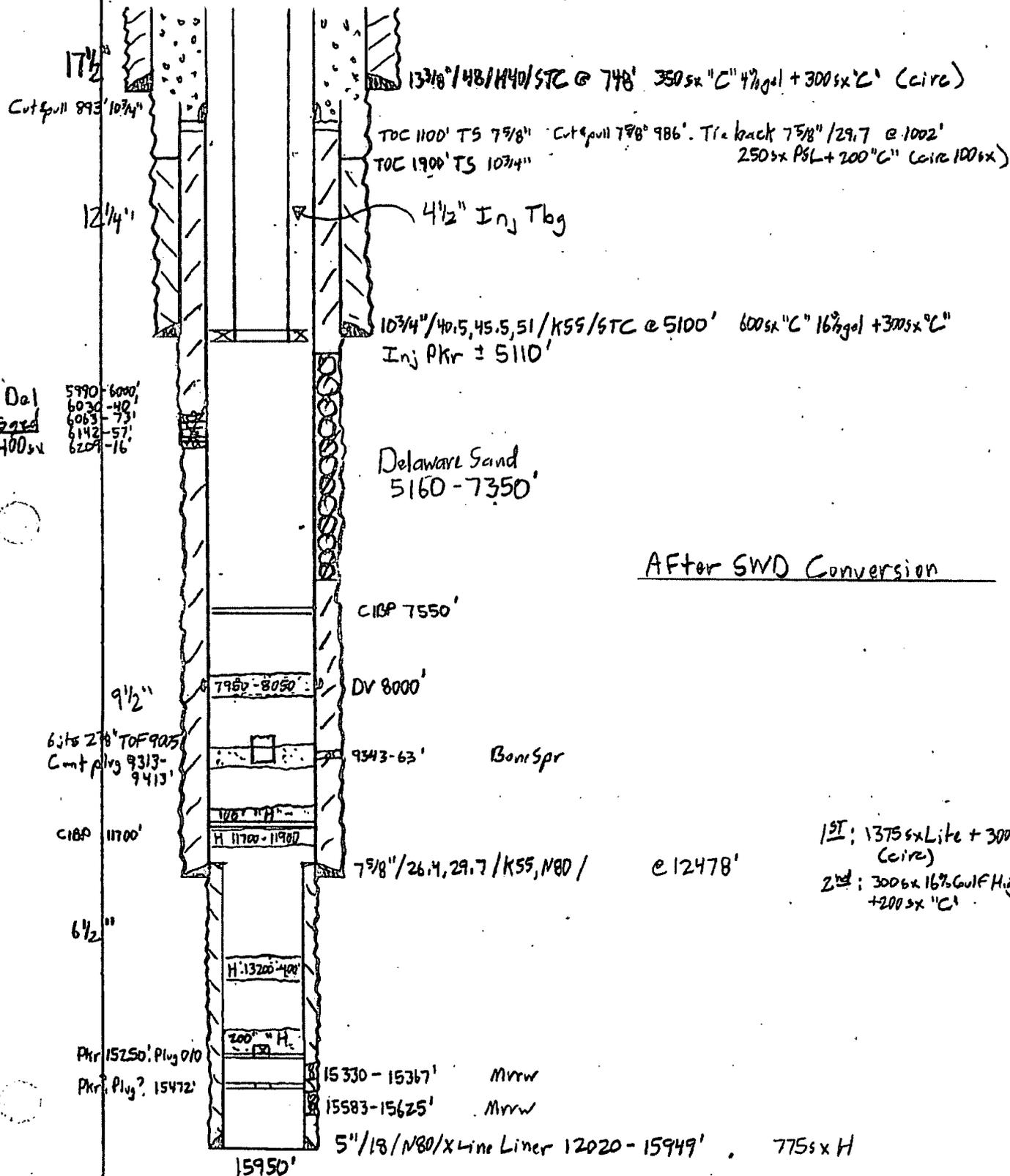


MAP DATE: 4/19/2013

30-025-25518

Bebidas 16 State SWO 1
(Formerly Lea RL St. 1)
1980' FSL, 660' FWL.
L-16-23s-33e
Lea, NM

SWD-1412
5160-7550'
1032psi Max
5 Apr 2013



After SWD Conversion

1st: 1375sx Lite + 300sx H (circ)
2nd: 300sx 16% Gulf H. gal + 200sx "C"