

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
1800 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 July 18, 2013

Energy Minerals and Natural Resources

Oil Conservation Division

1220 South St. Francis Dr.

Santa Fe, NM 87505

RECEIVED

MAR 04 2014

NMOCD ARTESIA

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

Operator Name and Address COG Operating LLC 2208 West Main Street Artesia, NM 88210		OGRID Number 229137
Property Code 40112		API Number 30-015-42129
Property Name SRO State Com		Well No 65H

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
B	17	26S	28E		190	North	2020	East	Eddy

8. Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
O	20	26S	28E		330	South	1970	East	Eddy

9. Pool Information

Pool Name	Pool Code
Hay Hollow; Bone Spring	30215 ✓

Additional Well Information

11. Work Type	12. Well Type	13. Cable/Rotary	14. Lease Type	15. Ground Level Elevation
New Well	Oil		State	3080.9'
16. Multiple	17. Proposed Depth	18. Formation	19. Contractor	20. Spud Date
N	19048'	Bone Spring		3/15/2014
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

☒ We will be using a closed-loop system in lieu of lined pits

21. Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surface	17.5	13.375	48	350'	340	
Intnd	12.25	9.625	36	2430'	825	
Production	8.75	5.5	17	19048'	3880	2130

Casing/Cement Program: Additional Comments

Drill 17-1/2" hole to ~350' w/ fresh water spud mud. Run 13-3/8" 48# H40 STC casing to TD and cement to surface in one stage. Will use 1" tubing and Class C w/ 2% CaCl₂ to cement to surface, if necessary.

Drill 12-1/4" hole to ~2430' with saturated brine water. Run 9-5/8" 36# J55 LTC casing to TD and cement to surface in one stage.

Drill 8-3/4" vertical hole, curve and lateral to 19048' with cut brine. Run 5-1/2" 17# P110 Tenaris TXP BTC casing to TD and cement in one stage bringing TOC to 2130' (300' overlap).

22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Double Ram	3000	3000	Cameron

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 ☒ and/or 19.15.14.9 (B) NMAC ☒ if applicable.

Signature: *Mayte Reyes*

Printed name: Mayte Reyes

Title: Regulatory Analyst

E-mail Address: mreyes1@concho.com

Date: 3/4/2014

Phone: 575-748-6945

OIL CONSERVATION DIVISION

Approved By:

Title:

Approved Date: 3-4-2014

Expiration Date: 3-4-2016

Conditions of Approval Attached

DISTRICT I
1825 N. FRENCH DR., HOBBS, NM 88240
Phone: (575) 383-6181 Fax: (575) 383-0720

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

DISTRICT IV
1820 S. ST. FRANCIS DR., SANTA FE, NM 87505
Phone: (505) 476-3480 Fax: (505) 476-3483

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 30-015- 42129	Pool Code 30215	Pool Name Hay Hollow; Bone Spring
Property Code 4012	Property Name SRO STATE COM	Well Number 65H
GRID No. 229137	Operator Name COG OPERATING LLC	Elevation 3080.9

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	17	26-S	28-E		190	NORTH	2020	EAST	EDDY

Bottom Hole Location If Different From Surface

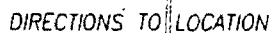
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	20	26-S	28-E		330	SOUTH	1970	EAST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
320			

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

<p>NAD 27 <u>SURFACE LOCATION</u> Y=381689.1 N X=570092.6 E LAT.=32.049177° N LONG.=104.107104° W</p>	<p>Y=381874.3 N X=569481.3 E</p> <p>190' S.L.</p> <p>2020'</p> <p>Y=381884.6 N X=570796.7 E</p> <p>SECTION 17</p> <p>SECTION 20</p> <p>GRID AZ. = 179°30'21"</p> <p>HORZ. DIST. = 10,053.1'</p> <p>NAD 27 <u>PROPOSED BOTTOM HOLE LOCATION</u> Y=371636.4 N X=570179.3 E LAT.=32.021540° N LONG.=104.106892° W</p> <p>Y=371313.8 N X=569507.1 E</p> <p>B.H.</p> <p>1970'</p> <p>Y=371299.3 N X=570828.5 E</p>	<p>OPERATOR CERTIFICATION</p> <p>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.</p> <p><i>Melanie J. Parker</i> 3/4/14 Signature Date Printed Name E-mail Address <i>meparker@concho.com</i></p> <p>SURVEYOR CERTIFICATION</p> <p>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.</p> <p>FEBRUARY 18, 2014 Date of Survey</p> <p>Signature & Seal of Professional Surveyor</p> <p><i>Chad L. Harcrow</i> 2/27/14 Certificate No. CHAD HARCROW 17777 W.O. # 14-114 DRAWN BY: SP</p>
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NEW MEXICO



100 0 100 200 Feet

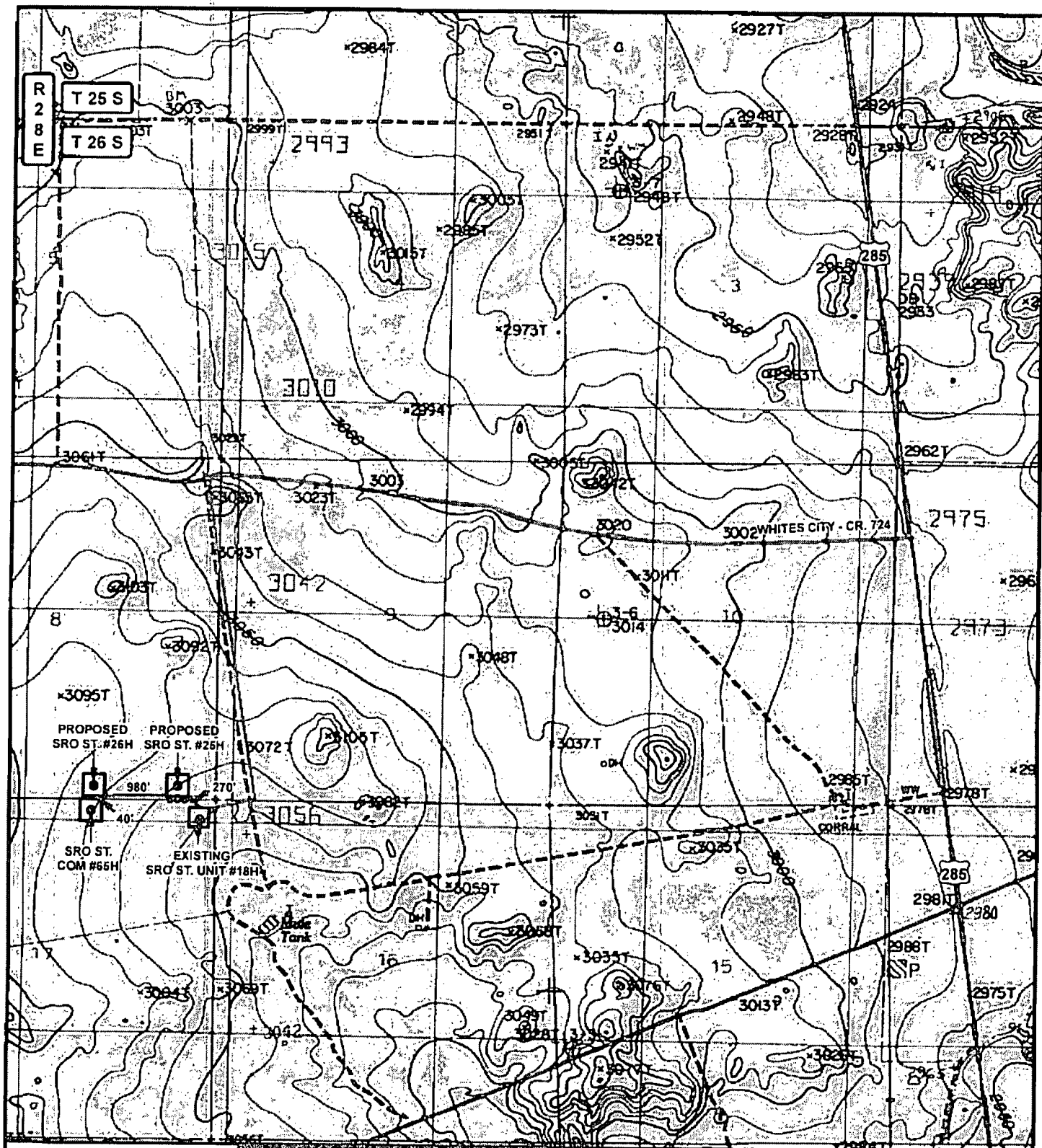
Scale: 1" = 100'

SRO ST. COM #65H WELL
LOCATED 190 FEET FROM THE NORTH LINE
AND 2020 FEET FROM THE EAST LINE OF SECTION 17,
TOWNSHIP 26 SOUTH, RANGE 28 EAST, N.M.P.M.,
EDDY COUNTY, NEW MEXICO

PAGE: 1 OF 1

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FILE: 14-114



LEGEND

- WELL
- WELLPAD
- EXISTING ROAD
- PROPOSED ROAD

SRO STATE COM #65H

SEC: 17 TWP: 26 S. RGE: 28 E. ELEVATION: 3080.9'

STATE: NEW MEXICO COUNTY: EDDY 190' FNL & 2020' FEL

W.O. # 14-114 LEASE: SRO STATE COM SURVEY: N.M.P.M

0 2,500 5,000 FEET

0 0.125 0.25 0.5 Miles

1 IN = 2,000 FT

LOCATION MAP

(TOPO)

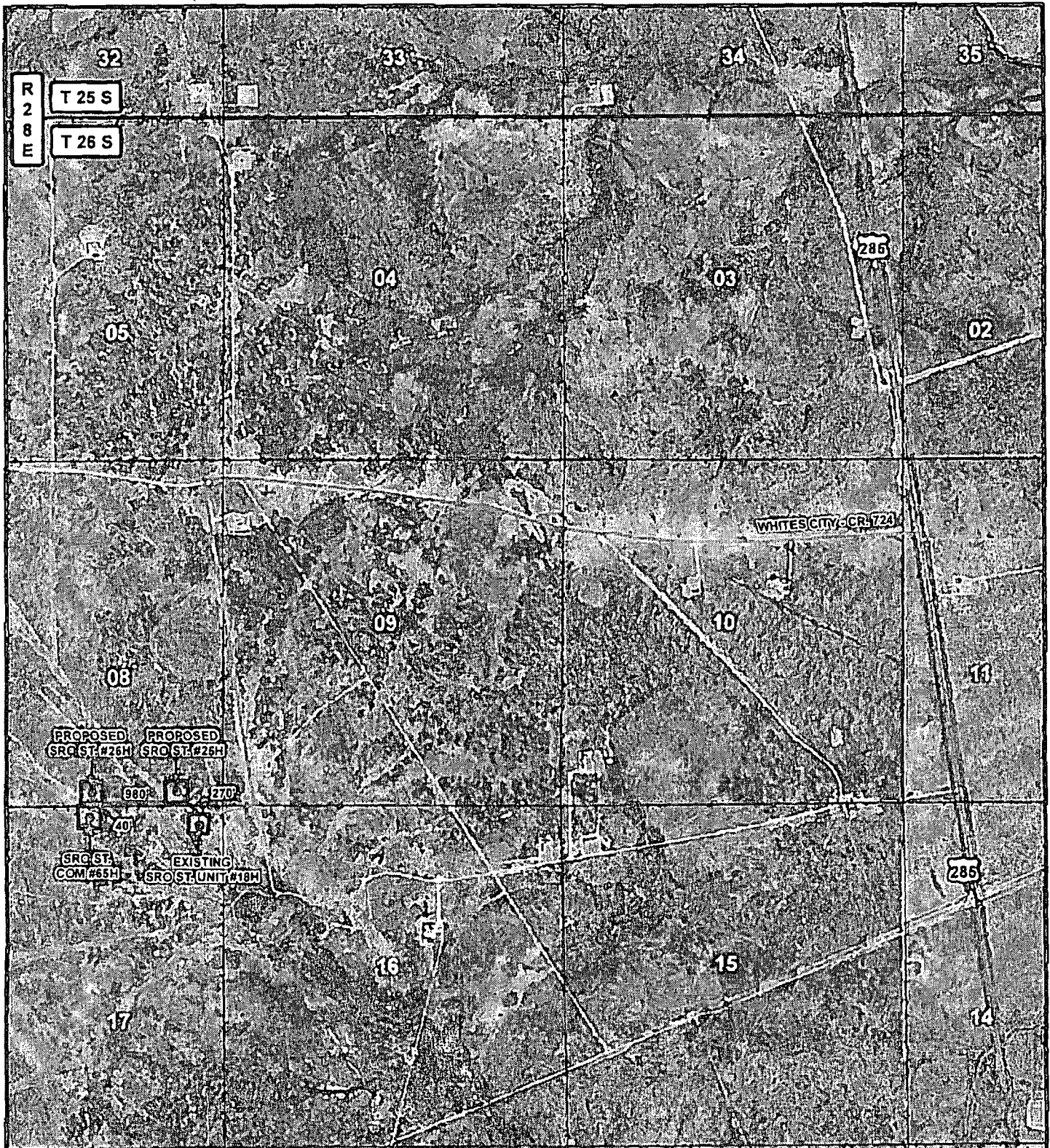
02/20/2011

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CONCHO
COG OPERATING, LLC

HARCROW SURVEYING, LLC
1107 WATSON, ARTESIA, N.M. 8210
PH: (505) 913-2570 FAX: (505) 913-2158
chad.harcrow77@plano.com





LEGEND

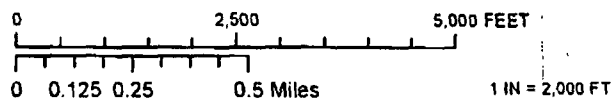
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W.O. # 14-114 LEASE: SRO STATE COM SURVEY: N.M.P.M



LOCATION MAP

IMAGERY

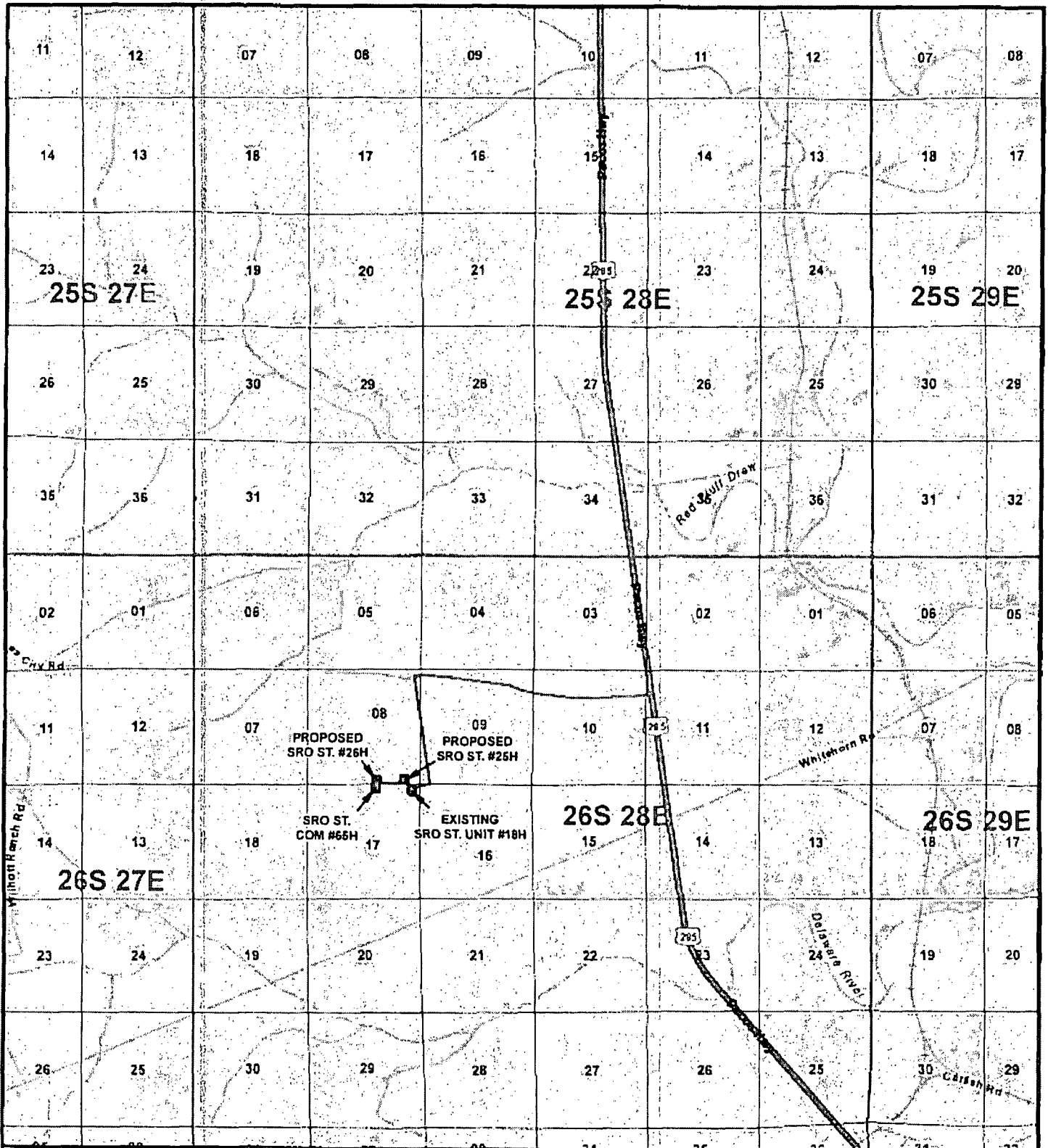
02/20/2014

SP

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rhad_harcrow77@paloalto.com





LEGEND

- WELL
- WELLPAD
- EXISTING ROAD
- PROPOSED ROAD

SRO STATE COM #65H

SEC: 17 TWP: 26 S. RGE: 28 E. ELEVATION: 3080.9'

STATE: NEW MEXICO COUNTY: EDDY 190' FNL & 2020' FEL

W.O. # 14-114 LEASE: SRO STATE COM SURVEY: N.M.P.M

0 2,500 5,000 7,500 10,000 12,500 15,000 FEET

0 0.4 0.8 1.6 Miles

1 IN = 6,000 FT

VICINITY MAP 02/20/2011

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