

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0926

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

Oil Conservation Division

AMENDED REPORT

1220 South St. Francis Dr.

Santa Fe, NM 87505

RECEIVED
MAY 10 2013
NMOCD ARTESIA

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		2 OGRID Number 229137
4 Property Code 39920		3 Property Name Apple 5 State SWD
		5 Well No 1

30-015-91902

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
B	5	26S	28E		990'	North	1980'	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

9. Pool Information

Pool Name SWD; Devonian	Pool Code 96101
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Additional Well Information

11. Work Type New Well	12. Well Type SWD	13. Cable/Rotary	14. Lease Type State	15. Ground Level Elevation 3017.4'
16. Multiple N	17. Proposed Depth 15,400'	18. Formation Delaware	19. Contractor	20. Spud Date 5/10/2013
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
Surface	26	20	94	300'	550	
Intrmd	17.5	13.375	54.5	2300'	1350	
Poduction	12.25	9.625	40	9100'	1350	2100'
Liner	8.75	7	29	14100'	500	9100'
Disposal	6.125	OH		15400'		

Casing/Cement Program: Additional Comments

Plan to drill a 26" hole to 300' with Fresh Water. Run 17-1/2", 94#, H-40 csg and cmt to surface. Drill 17-1/2" hole to 2300' with Brine, and run 13-3/8", 54.5#, J-55 and cement to surface. Drill 12-1/4" hole to approximately 9100' with cut brine, and run 9-5/8", 40#, J-55/ P-110 csg and cement to 2100'. Drill 8-3/4" hole to approximately 14,100' with cut brine, run & hang a 7", 29#, P-110 liner and cement back to liner hanger. Drill 6-1/8" hole to approximately 15,400' with cut brine, and leave it open hole for salt water disposal purposes.

22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Double Ram	5000	5000	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: 5/9/2013

Phone: 575-748-6945

OIL CONSERVATION DIVISION	
Approved By:	<i>T.C. Shepard</i>
Title:	<i>Geologist</i>
Approved Date:	<i>5/24/2013</i>
Expiration Date:	<i>5/24/2015</i>
Conditions of Approval Attached	

DISTRICT I
1025 N. FRENCH DR., HOBBS, NM 88240
Phone: (575) 383-0101 Fax: (575) 383-0720

DISTRICT II
1301 W. GRAND AVENUE, ARTESIA, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-0720

DISTRICT III
1000 RIO BRAZOS BLVD., ARTESIA, NM 87410
Phone: (505) 534-8478 Fax: (505) 534-8170

DISTRICT IV
11885 S. ST. FRANCIS DR., SANTA FE, NM 87505
Phone: (505) 478-3480 Fax: (505) 478-3482

RECEIVED
MAY 10 2013
NIMOOD ARTESIA

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

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

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015- 41402	Pool Code 96101	Pool Name SWD; Devonian
Property Code 37920	Property Name APPLE 5 STATE SWD	Well Number 1
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3017.4'

Surface Location

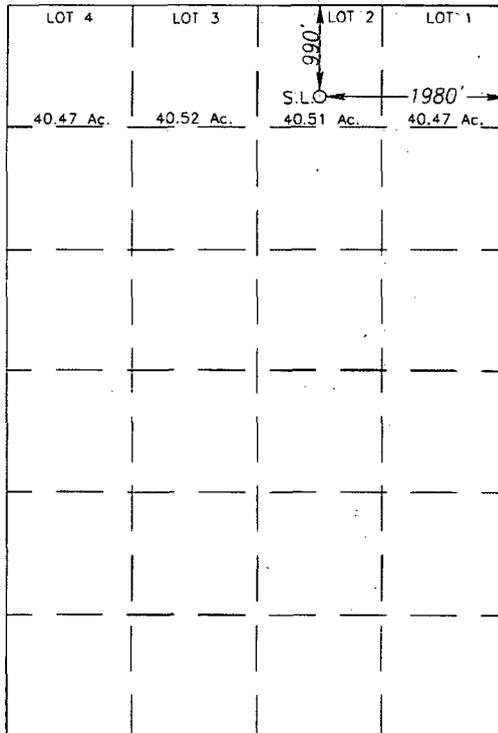
UL or lot No.	Section	Township	Range	Lot Idn.	Feet from the	North/South line	Feet from the	East/West line	County
B	5	26-S	28-E		990'	NORTH	1980'	EAST	EDDY

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

Dedicated Acres N/A	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



NAD 27
SURFACE LOCATION
Y=391478.7 N
X=570199.3 E
LAT.=32.076088° N
LONG.=104.106693° W

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 5/9/13
Signature Date
Melanie J Parker
Printed Name
m.parker@concho.com
Email 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.

DECEMBER 12, 2012

Date of Survey

Signature & Seal of Professional Surveyor

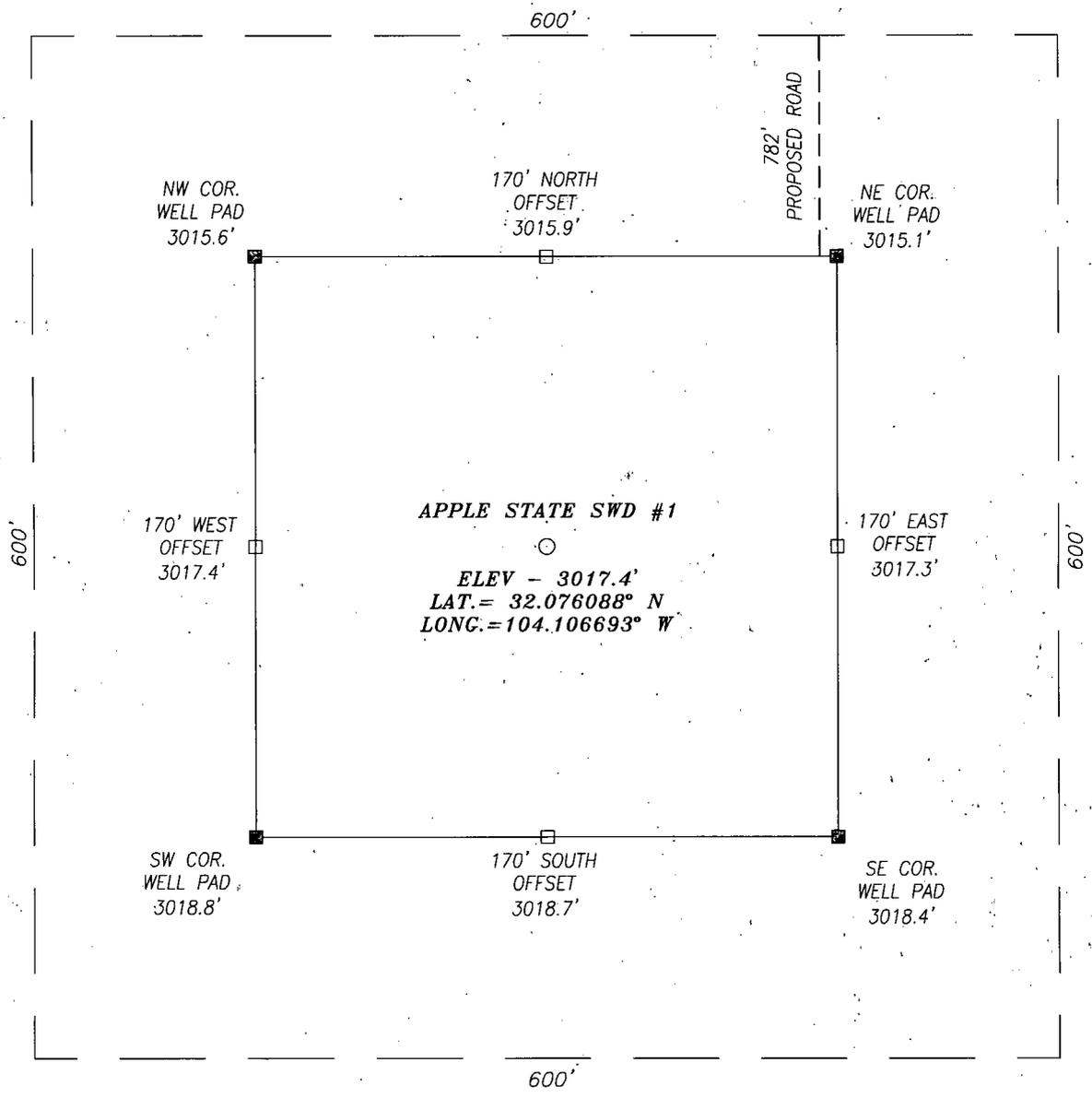


Chad Harcrow 11/31/13

Certificate No. CHAD HARCROW 17777

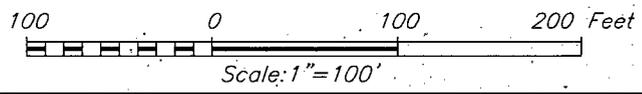
W.O. # 12-182 DRAWN BY: VD

SECTION 5 , TOWNSHIP 26 SOUTH, RANGE 28 EAST, N.M.P.M.,
 EDDY COUNTY NEW MEXICO



DIRECTIONS TO LOCATION

HEADING SOUTH ON HWY 285 TURN RIGHT ON COUNTY RD 724 CALICHE RD. GO APPROX. 2 MILES. TAKE ANOTHER RIGHT ON CALICHE RD. GO 1.1 MILES TURN LEFT. TRAVEL ANOTHER .3 MILES TO PROPOSED RD. TURN LEFT. PROPOSED WELL IS APPROX. 800FT DOWN PROPOSED RD.

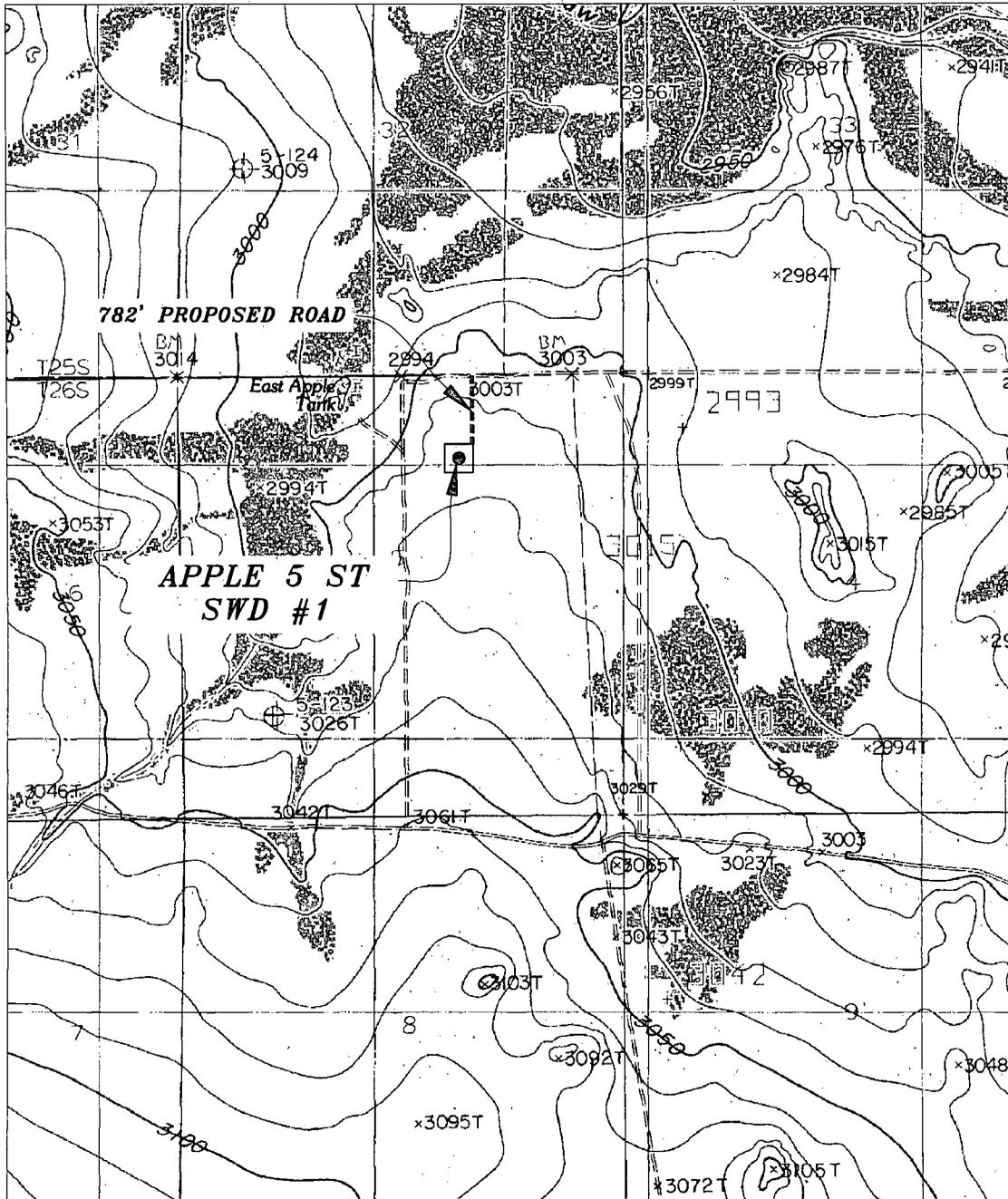


HARCROW SURVEYING, LLC
 1107 WATSON, ARTESIA, N.M. 88210
 PH: (575) 513-2570 FAX: (575) 746-2158
 chad_harcrow77@yahoo.com



COG PRODUCTION, LLC		
APPLE STATE SWD #1 WELL LOCATED 990 FEET FROM THE NORTH LINE AND 1980 FEET FROM THE EAST LINE OF SECTION 5, TOWNSHIP 26 SOUTH, RANGE 28 EAST, N.M.P.M., EDDY COUNTY, NEW MEXICO		
SURVEY DATE: 12/12/2012	PAGE: 1 OF 1	
DRAFT DATE: 01/03/2012		
APPROVED BY: CH	DRAWN BY: VD	FILE: 12-182

LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL: 10'

SEC. 5 TWP. 26-S RGE. 28-E
 SURVEY N.M.P.M.
 COUNTY EDDY STATE NEW MEXICO
 DESCRIPTION 990' FNL & 1980' FEL
 ELEVATION 3017.3'
 OPERATOR COG PRODUCTION, LLC
 LEASE APPLE 5 ST SWD
 U.S.G.S. TOPOGRAPHIC MAP
RED BLUFF, N.M.

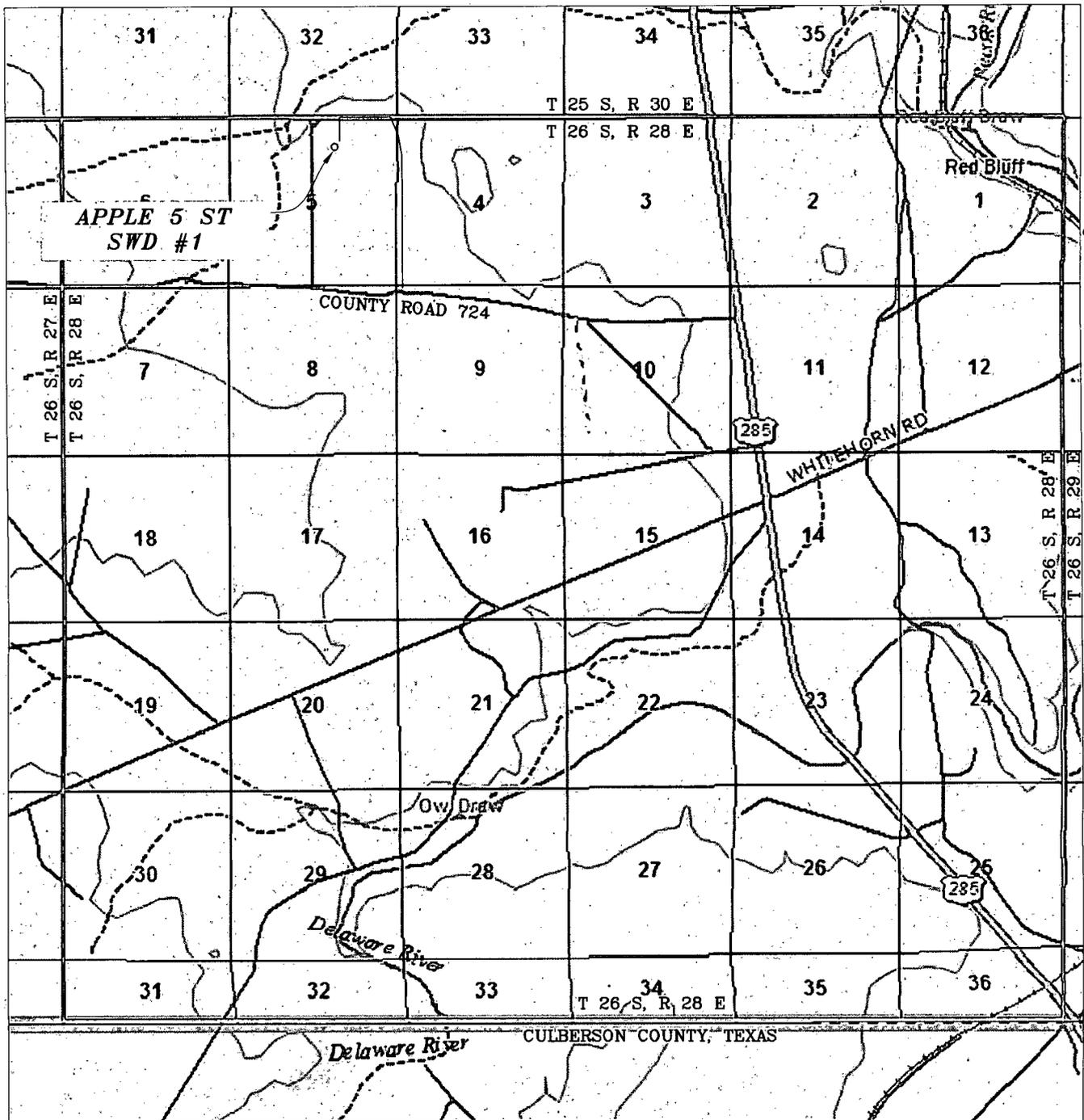
HARCROW SURVEYING
 1107 WATSON, ARTESIA N.M. 88210
 PH: (575) 513-2570
 FAX: (575) 746-2808
 EST. 2007



COG PRODUCTION, LLC

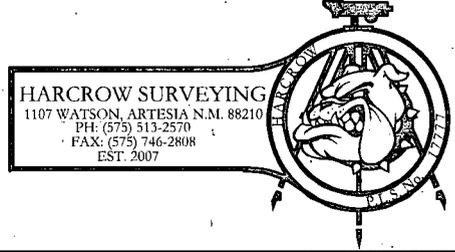
SURVEY DATE: DEC. 12, 2012	PAGE: 1 OF 1
DRAFTING DATE: JAN. 03, 2013	
APPROVED BY: CH	DRAWN BY: DDSI FILE: 12-182

VICINITY MAP



SEC. 5 TWP. 26-S RGE. 28-E
 SURVEY N.M.P.M.
 COUNTY EDDY STATE NEW MEXICO
 DESCRIPTION 990' FNL & 1980' FEL
 ELEVATION 3017.3'
 OPERATOR COG OPERATING, LLC
 LEASE APPLE 5 ST SWD

SCALE: 1" = 1 MILE



HARCROW SURVEYING
 1107 WATSON, ARTESIA N.M. 88210
 PH: (575) 513-2570
 FAX: (575) 746-2808
 EST. 2007

COG OPERATING, LLC	
SURVEY DATE: DEC. 12, 2012	PAGE: 1 OF 1
DRAFTING DATE: JAN. 03, 2013	
APPROVED BY: CH	DRAWN BY: DDSI
	FILE: 12-182

Apple 5 State SWD 1

	Hole Size	Casing	Wt	Depth	Cmt	TOC
Surface	26	20	94	300'	550	0
Intrmd	17.5	13.375	54.5	2300'	1350	0
Prod	12.25	9.625	40	9100'	1350	2100'
Liner	8.75	7	29	14,100'	500	9100'
Disposal	6.125	OH	-	15,400'	-	-

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Well Control

Type	Pressure	Test	Manufacture
Double Ram	5000	5000	Cameron