

Submit 1 Copy To Appropriate District
Office

District I - (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II - (575) 748-1283
811 S. First St., Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV - (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM
87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised August 1, 2011

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

WELL API NO. 30-015-37571
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name G J West Coop Unit
8. Well Number 263
9. OGRID Number 229137
10. Pool name or Wildcat GJ;7RVS-QN-GB-Glorieta Yeso 97558
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3547'

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.)

1. Type of Well: Oil Well ☒ Gas Well ☐ Other

2. Name of Operator
COG Operating LLC

3. Address of Operator
One Concho Center - 600 W Illinois Ave Midland, TX 79701

4. Well Location

Unit Letter **D** : **990** feet from the **NORTH** line and **1105** feet from the **WEST** line
Section **22** Township **17S** Range **29E** NMPM County **EDDY**

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
3547'

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
DOWNHOLE COMMINGLE ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐

OTHER: **Change SHL & add BHL**

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 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of
proposed completion or recompletion.

COG Operating LLC submitted APD for this well at this location:
SHL: 990' FNL 1105' FWL, Unit D

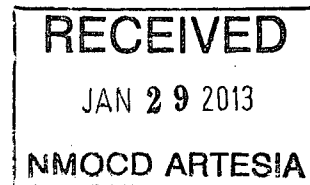
COG Operating LLC respectfully requests permission to change SHL and add a BHL:
SHL: 1065' FNL 1095' FWL, Unit D
BHL: 990' FNL 990' FWL, Unit D

Reason for adding a BHL is due to surface issues.

A revised C-102 and directional plan are attached for your review.

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 **Permitting Tech** DATE **1-28-13**

Type or print name **Kelly J. Holly** E-mail address: **kholly@concho.com** PHONE: **432-685-4384**
For State Use Only

APPROVED BY: TITLE **Geologist** DATE **1/29/2013**

Conditions of Approval (if any):

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. NMOC D ARTESIA
Santa Fe, NM 87505

RECEIVED

JAN 29 2013

Form C-102

Revised August 1, 2011

Submit one copy to appropriate
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-37571	² Pool Code 97558	³ Pool Name GJ;7RVS-QN-GB-Glorieta Yeso
⁴ Property Code 302497	⁵ Property Name GJ WEST COOP. UNIT	
⁷ OGRID No. 229137	⁸ Operator Name COG OPERATING, LLC	⁶ Well Number 263
		⁹ Elevation 3547'

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
D	22	17-S	29-E		1065	NORTH	1095	WEST	EDDY

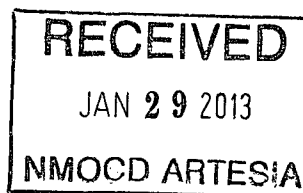
¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	22	17-S	29-E		990	NORTH	990	WEST	EDDY

¹² Dedicated Acres 40	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ 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.

	CORNER DATA NAD 27 GRID - NM EAST A: BRASS CAP "1914" N 659479.7 - E 580680.9 B: FND 1 1/2" RBR N 662117.4 - E 580669.1 C: BRASS CAP "1914" N 664755.4 - E 580657.6 D: FND 1 1/2" PIPE N 664757.9 - E 583298.3 E: BRASS CAP "1914" N 664760.6 - E 585945.4 F: BRASS CAP "1914" N 662121.2 - E 585955.6 G: BRASS CAP "1914" N 659481.4 - E 585964.7	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained 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 a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. Signature 1-10-13 Date Kelly J. Holly Printed Name kholly@concho.com E-mail Address
	GEODETIC DATA NAD 27 GRID - NM EAST SURFACE LOCATION N 663691.6 - E 581757.0 LAT: 32.82429° N LONG: 104.06719° W BOTTOM LOCATION N 663766.6 - E 581651.7	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. 1/8/13 Date of Survey Signature and Seal of Professional Surveyor 19680 Certificate Number



Concho

**Eddy County, New Mexico (NAD 27)
GJ West Coop Unit #263**

Wellbore #1

Plan: Plan #1 01-25-13

Surface: 1065' FNL, 1095' FWL, Sec 22, T17S, R29E, Unit D

Top of Paddock @ 3970' TVD, 85' N of Surface, 115' W of Surface

BHL: 980' FNL, 980' FWL, Sec 22, T17S, R29E, Unit D

Standard Planning Report

25 January, 2013





Phoenix Technology Services
Planning Report



Database:	GCR DB	Local Co-ordinate Reference:	Well #263
Company:	Concho	TVD Reference:	GL @ 3547.00usft
Project:	Eddy County, New Mexico (NAD 27)	MD Reference:	GL @ 3547.00usft
Site:	GJ West Coop Unit	North Reference:	Grid
Well:	#263	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 01-25-13		

Project:	Eddy County, New Mexico (NAD 27)		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site:	GJ West Coop Unit		
Site Position:		Northing:	663,691.60 usft
From:	Map	Easting:	581,757.00 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 49' 27.4526 N
		Longitude:	104° 4' 1.8788 W
		Grid Convergence:	0.14 °

Well	#263					
Well Position	+N/-S	0.00 usft	Northing:	663,691.60 usft	Latitude:	32° 49' 27.4526 N
	+E/-W	0.00 usft	Easting:	581,757.00 usft	Longitude:	104° 4' 1.8788 W
Position Uncertainty		0.00 usft	Wellhead Elevation:		Ground Level:	3,547.00 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010_14	01/25/13	7.66	60.62	48,760

Design		Plan #1 01-25-13		
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	306.40

Plan Sections											
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
1,150.00	0.00	0.00	1,150.00	0.00	0.00	0.00	0.00	0.00	0.00		
1,303.77	3.08	306.40	1,303.69	2.45	-3.32	2.00	2.00	0.00	306.40		
3,820.00	3.08	306.40	3,816.31	82.55	-111.98	0.00	0.00	0.00	0.00		
3,973.77	0.00	0.00	3,970.00	85.00	-115.30	2.00	-2.00	0.00	180.00	TG1-GJ West Coop #	
5,553.77	0.00	0.00	5,550.00	85.00	-115.30	0.00	0.00	0.00	0.00	PBHL-GJ West Coop	



Phoenix Technology Services
Planning Report



Database: GCR DB
Company: Concho
Project: Eddy County, New Mexico (NAD 27)
Site: GJ West Coop Unit
Well: #263
Wellbore: Wellbore #1
Design: Plan #1 01-25-13

Local Co-ordinate Reference: Well #263
TVD Reference: GL @ 3547.00usft
MD Reference: GL @ 3547.00usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,050.00	0.00	0.00	1,050.00	0.00	0.00	0.00	0.00	0.00	0.00
8 5/8"									
1,150.00	0.00	0.00	1,150.00	0.00	0.00	0.00	0.00	0.00	0.00
KOP Start Build 2.00									
1,200.00	1.00	306.40	1,200.00	0.26	-0.35	0.44	2.00	2.00	0.00
1,300.00	3.00	306.40	1,299.93	2.33	-3.16	3.93	2.00	2.00	0.00
1,303.77	3.08	306.40	1,303.69	2.45	-3.32	4.13	2.00	2.00	0.00
Start 2516.24 hold at 1303.77 MD									
1,400.00	3.08	306.40	1,399.79	5.51	-7.48	9.29	0.00	0.00	0.00
1,500.00	3.08	306.40	1,499.64	8.70	-11.79	14.65	0.00	0.00	0.00
1,600.00	3.08	306.40	1,599.50	11.88	-16.11	20.02	0.00	0.00	0.00
1,700.00	3.08	306.40	1,699.36	15.06	-20.43	25.38	0.00	0.00	0.00
1,800.00	3.08	306.40	1,799.21	18.25	-24.75	30.75	0.00	0.00	0.00
1,900.00	3.08	306.40	1,899.07	21.43	-29.07	36.11	0.00	0.00	0.00
2,000.00	3.08	306.40	1,998.92	24.61	-33.39	41.48	0.00	0.00	0.00
2,100.00	3.08	306.40	2,098.78	27.80	-37.70	46.84	0.00	0.00	0.00
2,200.00	3.08	306.40	2,198.64	30.98	-42.02	52.21	0.00	0.00	0.00
2,300.00	3.08	306.40	2,298.49	34.16	-46.34	57.57	0.00	0.00	0.00
2,400.00	3.08	306.40	2,398.35	37.35	-50.66	62.94	0.00	0.00	0.00
2,500.00	3.08	306.40	2,498.20	40.53	-54.98	68.30	0.00	0.00	0.00
2,600.00	3.08	306.40	2,598.06	43.71	-59.30	73.67	0.00	0.00	0.00
2,700.00	3.08	306.40	2,697.92	46.90	-63.61	79.03	0.00	0.00	0.00
2,800.00	3.08	306.40	2,797.77	50.08	-67.93	84.40	0.00	0.00	0.00
2,900.00	3.08	306.40	2,897.63	53.26	-72.25	89.76	0.00	0.00	0.00
3,000.00	3.08	306.40	2,997.48	56.45	-76.57	95.13	0.00	0.00	0.00
3,100.00	3.08	306.40	3,097.34	59.63	-80.89	100.49	0.00	0.00	0.00
3,200.00	3.08	306.40	3,197.20	62.81	-85.21	105.86	0.00	0.00	0.00
3,300.00	3.08	306.40	3,297.05	66.00	-89.52	111.22	0.00	0.00	0.00
3,400.00	3.08	306.40	3,396.91	69.18	-93.84	116.59	0.00	0.00	0.00
3,500.00	3.08	306.40	3,496.76	72.36	-98.16	121.95	0.00	0.00	0.00
3,600.00	3.08	306.40	3,596.62	75.55	-102.48	127.32	0.00	0.00	0.00
3,700.00	3.08	306.40	3,696.48	78.73	-106.80	132.68	0.00	0.00	0.00
3,800.00	3.08	306.40	3,796.33	81.92	-111.12	138.05	0.00	0.00	0.00
3,820.00	3.08	306.40	3,816.31	82.55	-111.98	139.12	0.00	0.00	0.00
Start Drop -2.00									
3,900.00	1.48	306.40	3,896.24	84.44	-114.54	142.30	2.00	-2.00	0.00
3,973.77	0.00	0.00	3,970.00	85.00	-115.30	143.24	2.00	-2.00	0.00
Start 1580.00 hold at 3973.77 MD - Top of Paddock - TG1-GJ West Coop #263									
5,553.77	0.00	0.00	5,550.00	85.00	-115.30	143.24	0.00	0.00	0.00
TD at 5553.77 - PBHL-GJ West Coop #263									



Phoenix Technology Services
Planning Report



Database:	GCR DB	Local Co-ordinate Reference:	Well #263
Company:	Concho	TVD Reference:	GL @ 3547.00usft
Project:	Eddy County, New Mexico (NAD 27)	MD Reference:	GL @ 3547.00usft
Site:	GJ West Coop Unit	North Reference:	Grid
Well:	#263	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1- 01-25-13		

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
TG1-GJ West Coop #26: - plan hits target center - Point	0.00	0.00	3,970.00	85.00	-115.30	663,776.60	581,641.70	32° 49' 28.2965 N	104° 4' 3.2275 W
PBHL-GJ West Coop #2 - plan hits target center - Circle (radius 10.00)	0.00	0.00	5,550.00	85.00	-115.30	663,776.60	581,641.70	32° 49' 28.2965 N	104° 4' 3.2275 W

Casing Points

Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")
1,050.00	1,050.00	8 5/8"	8-5/8	12-1/4

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
3,973.77	3,970.00	Top of Paddock		0.00	

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
1,150.00	1,150.00	0.00	0.00	KOP Start Build 2.00
1,303.77	1,303.69	2.45	-3.32	Start 2516.24 hold at 1303.77 MD
3,820.00	3,816.31	82.55	-111.98	Start Drop -2.00
3,973.77	3,970.00	85.00	-115.30	Start 1580.00 hold at 3973.77 MD
5,553.77	5,550.00	85.00	-115.30	TD at 5553.77



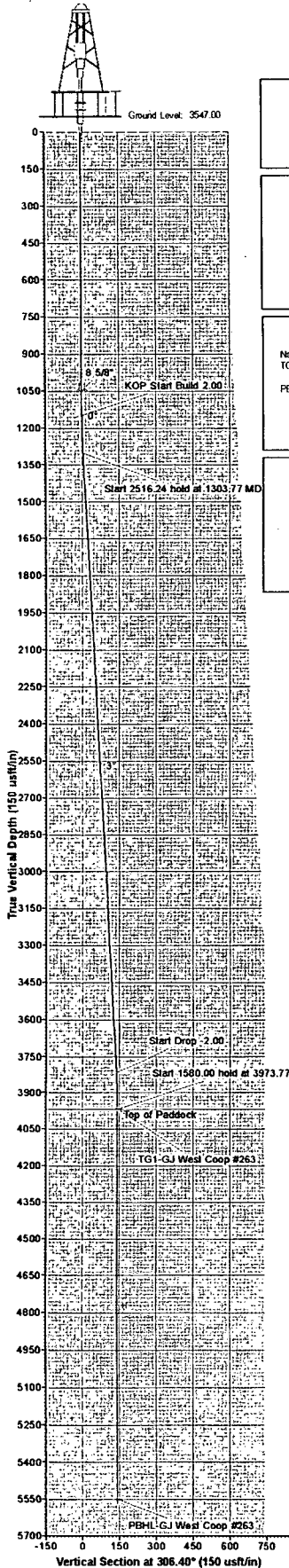
Project: Eddy County, New Mexico (NAD 27)
Site: GJ West Coop Unit
Well: #263
Wellbore: Wellbore #1
Design: Plan #1 01-25-13



PHOENIX
TECHNOLOGY SERVICES



Alignments to Grid North
True North: -0.14°
Magnetic North: 7.52°
Magnetic Field
Strength: 48760.4nT
Dip Angle: 60.62°
Date: 01/25/2013
Model: IGRF2010_14



WELL DETAILS							
				Ground Level	3547.00		
-N-S	-E-W	Northing	Eastings	Latitude	Longitude		
0.00	0.00	663691.60	581757.00	32° 49' 27.4526 N	104° 4' 18.788 W		

SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	-N-S	-E-W	Dleg	IFace	VSet	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	1150.00	0.00	0.00	1150.00	0.00	0.00	0.00	0.00	0.00	KOP Start Build 2.00
3	1303.77	3.08	306.40	1303.89	2.45	-3.32	2.00	306.40	4.13	Start 2516.24 hold at 1303.77 MD
4	3820.00	3.08	306.40	3816.31	82.55	-111.98	0.00	0.00	136.12	Start Drop -2.00
5	3973.77	0.00	0.00	3970.00	85.00	-115.30	2.00	180.00	143.24	TG1-GJ West Coop #263
6	5553.77	0.00	0.00	5550.00	85.00	-115.30	0.00	0.00	143.24	PBHL-GJ West Coop #263

DESIGN TARGET DETAILS									
Name	TVD	-N-S	-E-W	Northing	Eastings	Latitude	Longitude	Shape	
TG1-GJ West Coop #263	3970.00	85.00	-115.30	663776.60	581641.70	32° 49' 28.2965 N	104° 4' 3.2275 W	Point	
PBHL-GJ West Coop #263	5550.00	85.00	-115.30	663776.60	581641.70	32° 49' 28.2965 N	104° 4' 3.2275 W	Circle (Radius: 10.00)	

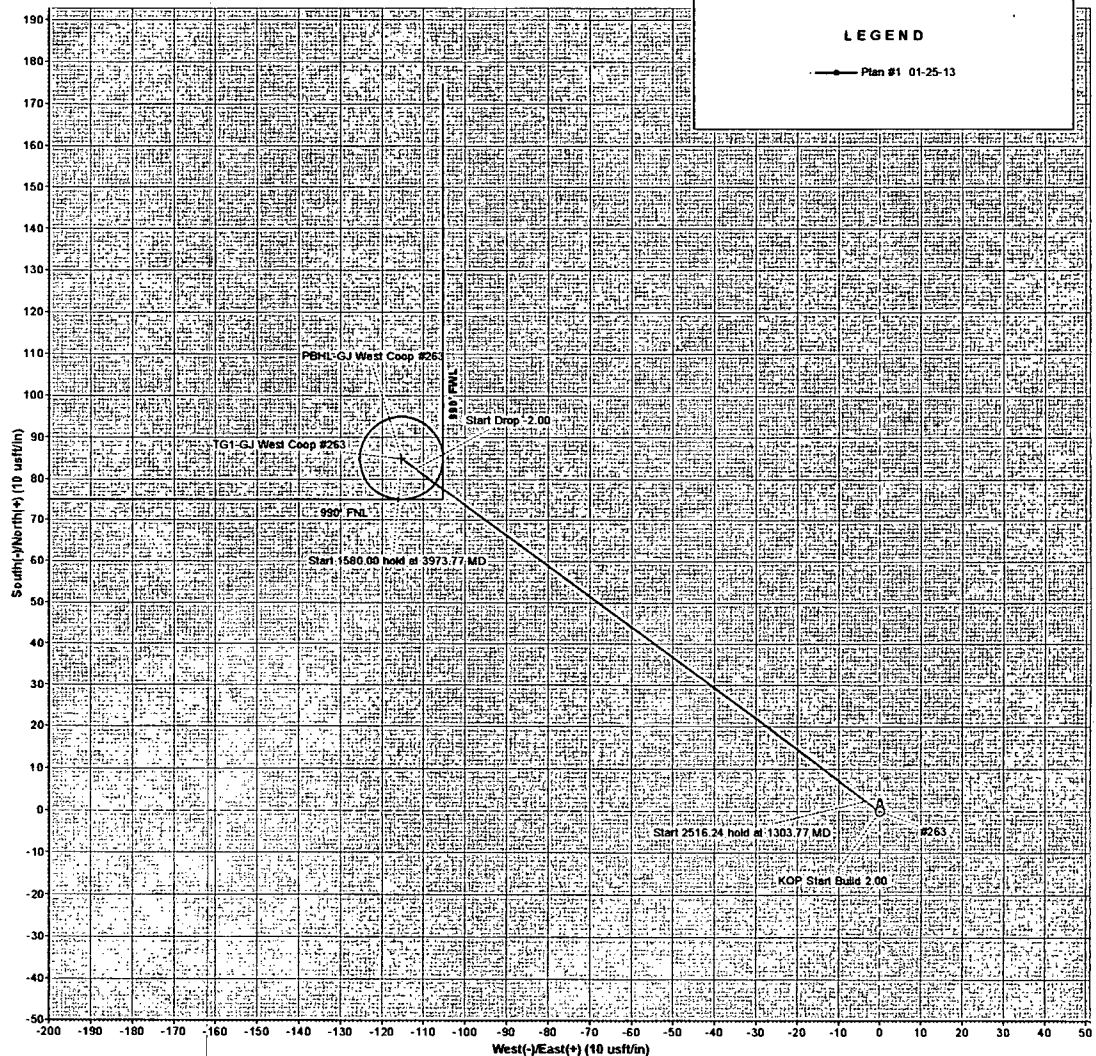
SITE DETAILS: GJ West Coop Unit		
Site Centre Northing	663691.60	
Eastings	581757.00	
Positional Uncertainty	0.00	
Convergence	0.14	
Local North	Grid	

PROJECT DETAILS: Eddy County, New Mexico (NAD 27)		
Geodetic System	US State Plane 1927 (Exact solution)	
Datum	NAD 1927 (NADCON CONUS)	
Ellipsoid	Clarke 1866	
Zone	New Mexico East 3001	
System Datum	Mean Sea Level	

Map System: US State Plane 1927 (Exact solution)		
Datum	NAD 1927 (NADCON CONUS)	
Ellipsoid	Clarke 1866	
Zone Name	New Mexico East 3001	
Local Origin	Well #263, Grid North	
Latitude	32° 49' 27.4526 N	
Longitude	104° 4' 18.788 W	
Grid East	581757.00	
Grid North	663691.60	
Scale Factor	1.000	
Geomagnetic Model	IGRF2010_14	
Sample Date	25-Jan-13	
Magnetic Declination	7.52°	
Dip Angle from Horizontal	60.62°	
Magnetic Field Strength	48760	
To convert a Magnetic Direction to a Grid Direction, Add 7.52°		
To convert a Magnetic Direction to a True Direction, Add 7.56° East		
To convert a True Direction to a Grid Direction, Subtract 0.14°		

FORMATION TOP DETAILS				
TVDPath	MDPath	Formation	DipAngle	DipDir
3970.00	3973.77	Top of Paddock	0.00	

CASING DETAILS			
TVD	MD	Name	Size
1050.00	1050.00	8 5/8"	8-5/8



LEGEND

— Plan #1 01-25-13