

100001
1625 H. French Dr., H-Box 1, NM 87240
Phone: (505) 393-5161 Fax: (505) 393-7120
100002
1111 E. First St., Artesia NM 87010
Phone: (505) 748-1223 Fax: (505) 748-9220
100003
1000 Rio Pecos Road, Aztec, NM 87410
Phone: (505) 334-5172 Fax: (505) 334-5170
100004
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 441-2400 Fax: (505) 441-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

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 30-015-42404		2 Pool Code 96610		3 Pool Name Empire; Glorieta Yeso East	
4 Property Code 313320		5 Property Name BOSE IKARD 4 STATE COM			6 Well Number 8H
7 OGRID No. 229137		8 Operator Name COG OPERATING, LLC			9 Elevation 3601'

" Surface Location

III. or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	4	17-S	29-E		330	SOUTH	330	WEST	EDDY

" Bottom Hole Location If Different From Surface

III. or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	4	17-S	29-E		330	SOUTH	330	EAST	EDDY

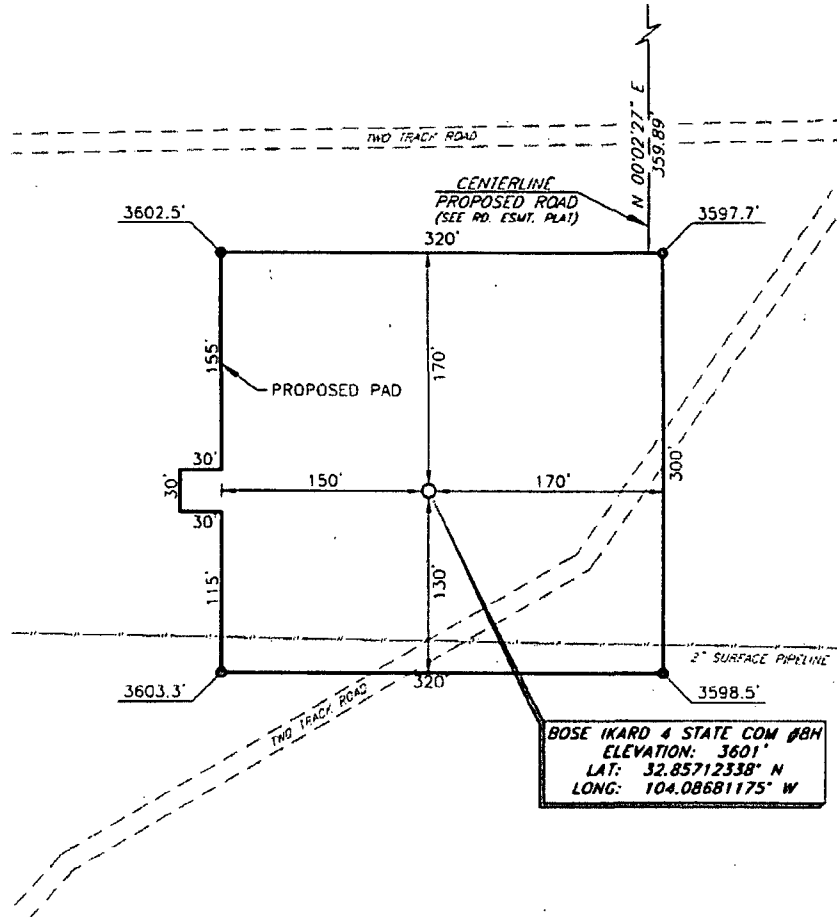
10 Dedicated Acres 160	11 Joint or Infill	12 Consolidation Code	13 Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

LOT 4 LOT 3 LOT 2 LOT 1 GEODETIC DATA NAD 27 GRID - NM EAST SURFACE LOCATION N 675521.1 E 575701.1 BOTTOM LOCATION N 675649.7 E 580298.3 PROJECT AREA PRODUCING AREA 330' S.L. N 39°38'39" E (GRID) - 4598.54' (HORIZ) B.H. 330'				" OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that the operator, well owner, leasing agent or authorized personnel have no knowledge of any other well location or hole in the field or on the land shown on this plat which is a violation of the rules and regulations of the Oil and Gas Conservation Division of the State of New Mexico. Signature: <i>[Signature]</i> Date: 5-21-14 Printed Name: Kelly J. Holly Email Address: kholly@concho.com " 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. Date of Survey: 2/27/14 Signature: <i>[Signature]</i> 19680 Certificate Number: 19680	
--	--	--	--	--	--

COG OPERATING, LLC

Bose Ikard 4 State Com #8H
(330' FSL & 330' FWL)
Section 4, T-17-S, R-29-E,
N. M. P. M., Eddy Co., New Mexico

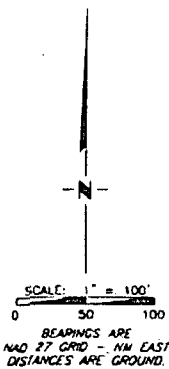


DIRECTIONS TO LOCATION

From the intersection of CR-211 (Old Loco) and CR-214 (Barnaval Draw):

Go West on CR-214 approx. 0.6 mile to road survey.

Turn left and follow road survey South approx. 0.6 mile to this location.



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NO.	REVISION	DATE
JOB NO.:	LS140098	
DWG. NO.:	140098PA0	

PROSPERITY CONSULTANTS, LLC

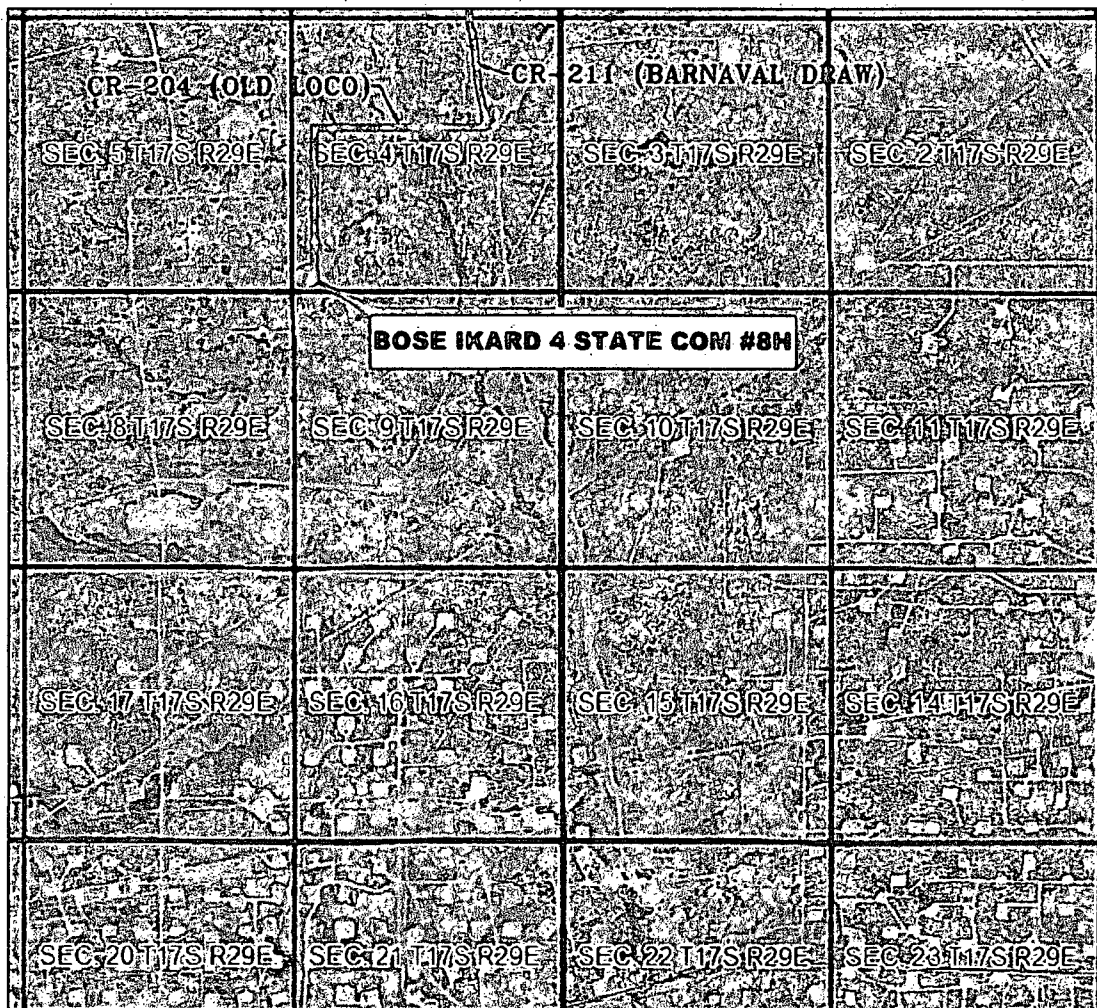


308 W Broadway St., Hobbs, NM 88240 | Firm No.: TX 10193838 NM 4635451 | (575) 964-8200

SCALE:	1"=100'
DATE:	2/27/13
SURVEYED BY:	GB/SM
DRAWN BY:	AF
APPROVED BY:	LWB
SHEET:	1 OF 1

VICINITY MAP

NOT TO SCALE



SECTION 4, TWP. 17 SOUTH, RGE. 29 EAST,
N. M. P. M., EDDY COUNTY, NEW MEXICO

OPERATOR: COG Operating, LLC
LEASE: Bose Ikard 4 State Com
WELL NO.: 8H

LOCATION: 330' FSL & 330' FWL
ELEVATION: 3601'

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NO.	REVISION	DATE
JOB NO.:	LS140098	
DWG. NO.:	140098VM	

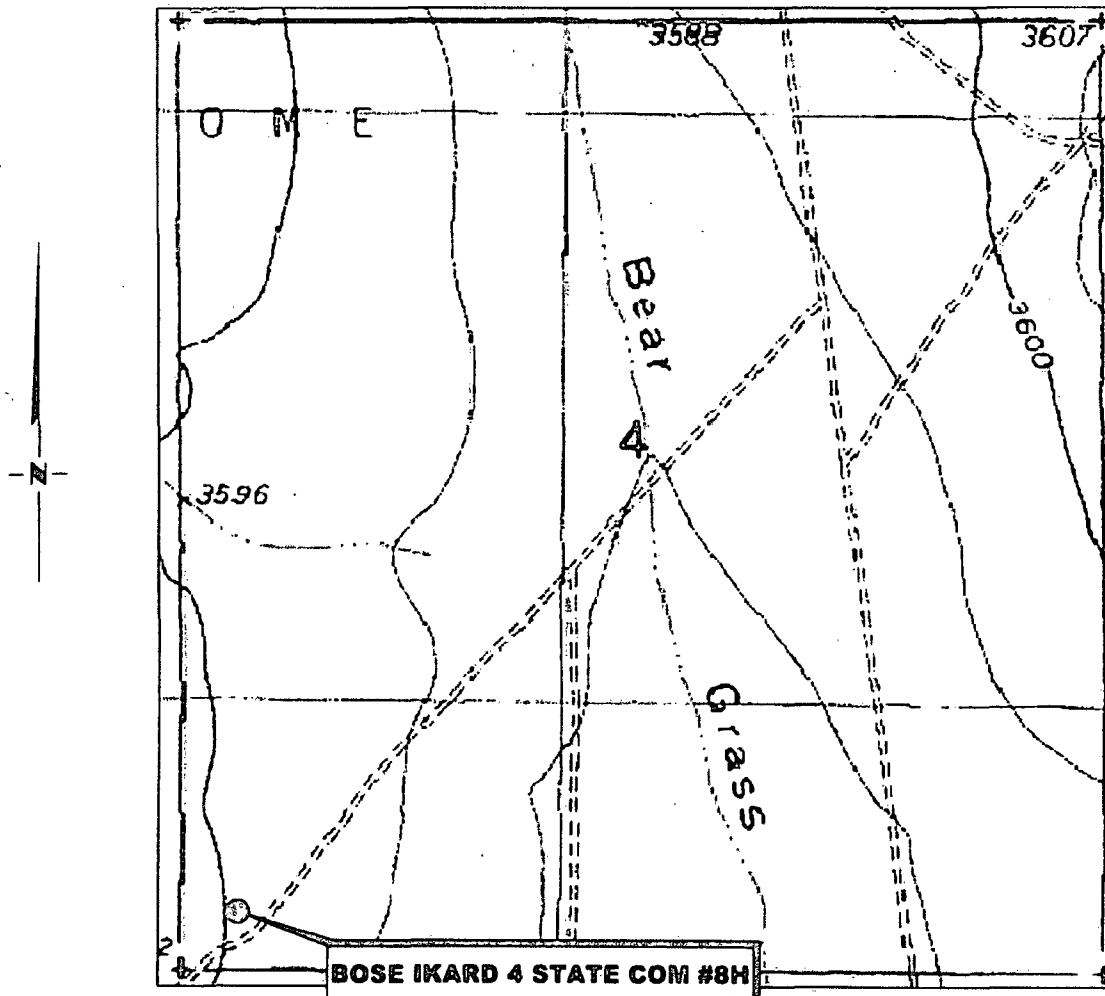
PROSPERITY CONSULTANTS, LLC



308 W. Broadway St., Hobbs, NM 88240 | Firm No. TX 10193838 NM 4655451 | (575) 964-8200

SCALE: N.T.S.
DATE: 2/27/14
SURVEYED BY: GB/SM
DRAWN BY: AF
APPROVED BY: LWB
SHEET: 1 OF 1

LOCATION VERIFICATION MAP



SECTION 4, TWP. 17 SOUTH, RGE. 29 EAST,
N. M. P. M., EDDY COUNTY, NEW MEXICO

OPERATOR: COG Operating, LLC
LEASE: Bose Ikard 4 State Com
WELL NO.: 8H
ELEVATION: 3601'

LOCATION: 330' FSL & 330' FWL
CONTOUR INTERVAL: 10'
USGS TOPO. SOURCE MAP:
Red Lake, NM (1955)

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NO.	REVISION	DATE
JOB NO.:	LS140098	
DWG. NO.:	140098LVM	

PROSPERITY CONSULTANTS, LLC



308 W. Broadway St., Hobbs, NM 88240 | Firm No. TX 10193838 NM 4655451 | (505) 964-8200

SCALE: 1"=1000'
DATE: 2/27/14
SURVEYED BY: GB/SM
DRAWN BY: AF
APPROVED BY: LWB
SHEET : 1 OF 1

COG OPERATING, LLC

Eddy County, NM

Bose Ikard 4 State Com 8H

8H

Lateral

Plan: Plan #1

Standard Planning Report

13 May, 2014

Section Distances

Sec4,T17S,R29E

SHL - Unit M

330'FSL, 330'FWL

PBHL - Unit P

330'FSL, 330'FEL

Archer

Planning Report

Database:	EDM-R5000.1 MULTI	Local Co-ordinate Reference:	Well: 8H
Company:	COG OPERATING, LLC	TVD Reference:	3601'GL+13.5'KB @ 3615.00usft (Planning)
Project:	Eddy County, NM	MD Reference:	3601'GL+13.5'KB @ 3615.00usft (Planning)
Site:	Bose Ikard 4 State Com 8H	North Reference:	Grid
Well:	8H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Lateral		
Design:	Plan #1		

Project		Eddy County, NM	
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 Bose Ikard 4 State Com 8H					
Site Position:		Northing:	675,621.10 usft	Latitude:	32° 51' 25.64 N
From:	Map	Easting:	575,701.10 usft	Longitude:	104° 5' 12.52 W
Position Uncertainty:	0.00 usft	Slot Radius:	13.200 in	Grid Convergence:	0.13 °

Well:	8H					
Well Position	+N/-S	0.00 usft	Northing:	675,621.10 usft	Latitude:	32° 51' 25.64 N
	+E/-W	0.00 usft	Easting:	575,701.10 usft	Longitude:	104° 5' 12.52 W
Position Uncertainty		0.00 usft	Wellhead Elevation:		Ground Level:	3,601.00 usft

Wellbore:	Lateral
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Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	5/13/2014	7.51	60.61	48,648

Design:		Plan #1		
Audit Notes:				
Version:		Phase:	PROTOTYPE	Tie On Depth: 0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	89.64

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 (°)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,629.21	0.00	0.00	3,629.21	0.00	0.00	0.00	0.00	0.00	0.00
4,456.48	91.00	89.50	4,150.00	4.62	529.94	11.00	11.00	0.00	89.50
4,461.82	91.00	89.66	4,149.91	4.66	535.28	3.00	0.00	3.00	89.97
8,524.42	91.00	89.66	4,079.00	28.76	4,597.19	0.00	0.00	0.00	0.00 Bose Ikard 8H PBHL

Archer

Planning Report

Database:	EDM R5000.1.MULTI	Local Co-ordinate Reference:	Well: 8H
Company:	COG OPERATING, LLC	TVD/Reference:	3601'GL+13.5'KB @ 3615.00usft. (Planning)
Project:	Eddy County, NM	MD/Reference:	3601'GL+13.5'KB @ 3615.00usft. (Planning)
Site:	Bose Ikard 4, State Cor 8H	North Reference:	Grid
Well:	8H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Lateral		
Design:	Plan #1		

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
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00
2,100.00	0.00	0.00	2,100.00	0.00	0.00	0.00	0.00	0.00	0.00
2,200.00	0.00	0.00	2,200.00	0.00	0.00	0.00	0.00	0.00	0.00
2,300.00	0.00	0.00	2,300.00	0.00	0.00	0.00	0.00	0.00	0.00
2,400.00	0.00	0.00	2,400.00	0.00	0.00	0.00	0.00	0.00	0.00
2,500.00	0.00	0.00	2,500.00	0.00	0.00	0.00	0.00	0.00	0.00
2,600.00	0.00	0.00	2,600.00	0.00	0.00	0.00	0.00	0.00	0.00
2,700.00	0.00	0.00	2,700.00	0.00	0.00	0.00	0.00	0.00	0.00
2,800.00	0.00	0.00	2,800.00	0.00	0.00	0.00	0.00	0.00	0.00
2,900.00	0.00	0.00	2,900.00	0.00	0.00	0.00	0.00	0.00	0.00
3,000.00	0.00	0.00	3,000.00	0.00	0.00	0.00	0.00	0.00	0.00
3,100.00	0.00	0.00	3,100.00	0.00	0.00	0.00	0.00	0.00	0.00
3,200.00	0.00	0.00	3,200.00	0.00	0.00	0.00	0.00	0.00	0.00
3,300.00	0.00	0.00	3,300.00	0.00	0.00	0.00	0.00	0.00	0.00
3,400.00	0.00	0.00	3,400.00	0.00	0.00	0.00	0.00	0.00	0.00
3,500.00	0.00	0.00	3,500.00	0.00	0.00	0.00	0.00	0.00	0.00
3,600.00	0.00	0.00	3,600.00	0.00	0.00	0.00	0.00	0.00	0.00
3,629.21	0.00	0.00	3,629.21	0.00	0.00	0.00	0.00	0.00	0.00
Start Build 11.00									
3,650.00	2.29	89.50	3,649.99	0.00	0.41	0.41	11.00	11.00	0.00
3,700.00	7.79	89.50	3,699.78	0.04	4.80	4.80	11.00	11.00	0.00
3,750.00	13.29	89.50	3,748.92	0.12	13.94	13.94	11.00	11.00	0.00
3,800.00	18.79	89.50	3,796.96	0.24	27.75	27.75	11.00	11.00	0.00
3,850.00	24.29	89.50	3,843.45	0.40	46.10	46.10	11.00	11.00	0.00
3,900.00	29.79	89.50	3,887.97	0.60	68.82	68.82	11.00	11.00	0.00
3,950.00	35.29	89.50	3,930.10	0.84	95.70	95.70	11.00	11.00	0.00
4,000.00	40.79	89.50	3,969.47	1.10	126.49	126.50	11.00	11.00	0.00
4,050.00	46.29	89.50	4,005.70	1.40	160.92	160.92	11.00	11.00	0.00
4,100.00	51.79	89.50	4,038.47	1.73	198.66	198.67	11.00	11.00	0.00
4,150.00	57.29	89.50	4,067.46	2.09	239.37	239.37	11.00	11.00	0.00
4,200.00	62.79	89.50	4,092.43	2.47	282.67	282.68	11.00	11.00	0.00
4,250.00	68.29	89.50	4,113.12	2.86	328.16	328.17	11.00	11.00	0.00
4,300.00	73.79	89.50	4,129.37	3.28	375.42	375.44	11.00	11.00	0.00
4,350.00	79.29	89.50	4,141.00	3.70	424.03	424.04	11.00	11.00	0.00

Archer

Planning Report

Database:	EDM:R5000-1-MULTI	Local Co-ordinate Reference:	Well: 8H
Company:	COG OPERATING, LLC	TVD Reference:	3601.GL+13.5KB @ 3615.00usft (Planning)
Project:	Eddy County, NM	MD Reference:	3601.GL+13.5KB @ 3615.00usft (Planning)
Site:	Bose Ikard 4 State Com 8H	North Reference:	Grid
Well:	8H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Lateral		
Design:	Plan #1		

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)
4,400.00	84.79	89.50	4,147.93	4.13	473.53	473.54	11.00	11.00	0.00
4,450.00	90.29	89.50	4,150.07	4.57	523.46	523.48	11.00	11.00	0.00
4,456.48	91.00	89.50	4,150.00	4.62	529.94	529.96	11.00	11.00	0.00
Start DLS 3.00 TFO 89.97									
4,461.82	91.00	89.66	4,149.91	4.66	535.28	535.30	3.00	0.00	3.00
Start 4062.60 hold at 4461.82 MD									
4,500.00	91.00	89.66	4,149.24	4.89	573.45	573.47	0.00	0.00	0.00
4,600.00	91.00	89.66	4,147.50	5.48	673.43	673.45	0.00	0.00	0.00
4,700.00	91.00	89.66	4,145.75	6.08	773.42	773.44	0.00	0.00	0.00
4,800.00	91.00	89.66	4,144.01	6.67	873.40	873.42	0.00	0.00	0.00
4,900.00	91.00	89.66	4,142.26	7.26	973.38	973.41	0.00	0.00	0.00
5,000.00	91.00	89.66	4,140.51	7.86	1,073.37	1,073.39	0.00	0.00	0.00
5,100.00	91.00	89.66	4,138.77	8.45	1,173.35	1,173.38	0.00	0.00	0.00
5,200.00	91.00	89.66	4,137.02	9.04	1,273.33	1,273.36	0.00	0.00	0.00
5,300.00	91.00	89.66	4,135.28	9.64	1,373.31	1,373.35	0.00	0.00	0.00
5,400.00	91.00	89.66	4,133.53	10.23	1,473.30	1,473.33	0.00	0.00	0.00
5,500.00	91.00	89.66	4,131.79	10.82	1,573.28	1,573.32	0.00	0.00	0.00
5,600.00	91.00	89.66	4,130.04	11.41	1,673.26	1,673.30	0.00	0.00	0.00
5,700.00	91.00	89.66	4,128.30	12.01	1,773.25	1,773.29	0.00	0.00	0.00
5,800.00	91.00	89.66	4,126.55	12.60	1,873.23	1,873.27	0.00	0.00	0.00
5,900.00	91.00	89.66	4,124.81	13.19	1,973.21	1,973.26	0.00	0.00	0.00
6,000.00	91.00	89.66	4,123.06	13.79	2,073.20	2,073.24	0.00	0.00	0.00
6,100.00	91.00	89.66	4,121.32	14.38	2,173.18	2,173.23	0.00	0.00	0.00
6,200.00	91.00	89.66	4,119.57	14.97	2,273.16	2,273.21	0.00	0.00	0.00
6,300.00	91.00	89.66	4,117.82	15.57	2,373.15	2,373.20	0.00	0.00	0.00
6,400.00	91.00	89.66	4,116.08	16.16	2,473.13	2,473.18	0.00	0.00	0.00
6,500.00	91.00	89.66	4,114.33	16.75	2,573.11	2,573.17	0.00	0.00	0.00
6,600.00	91.00	89.66	4,112.59	17.35	2,673.09	2,673.15	0.00	0.00	0.00
6,700.00	91.00	89.66	4,110.84	17.94	2,773.08	2,773.14	0.00	0.00	0.00
6,800.00	91.00	89.66	4,109.10	18.53	2,873.06	2,873.12	0.00	0.00	0.00
6,900.00	91.00	89.66	4,107.35	19.12	2,973.04	2,973.10	0.00	0.00	0.00
7,000.00	91.00	89.66	4,105.61	19.72	3,073.03	3,073.09	0.00	0.00	0.00
7,100.00	91.00	89.66	4,103.86	20.31	3,173.01	3,173.07	0.00	0.00	0.00
7,200.00	91.00	89.66	4,102.12	20.90	3,272.99	3,273.06	0.00	0.00	0.00
7,300.00	91.00	89.66	4,100.37	21.50	3,372.98	3,373.04	0.00	0.00	0.00
7,400.00	91.00	89.66	4,098.63	22.09	3,472.96	3,473.03	0.00	0.00	0.00
7,500.00	91.00	89.66	4,096.88	22.68	3,572.94	3,573.01	0.00	0.00	0.00
7,600.00	91.00	89.66	4,095.13	23.28	3,672.92	3,673.00	0.00	0.00	0.00
7,700.00	91.00	89.66	4,093.39	23.87	3,772.91	3,772.98	0.00	0.00	0.00
7,800.00	91.00	89.66	4,091.64	24.46	3,872.89	3,872.97	0.00	0.00	0.00
7,900.00	91.00	89.66	4,089.90	25.06	3,972.87	3,972.95	0.00	0.00	0.00
8,000.00	91.00	89.66	4,088.15	25.65	4,072.86	4,072.94	0.00	0.00	0.00
8,100.00	91.00	89.66	4,086.41	26.24	4,172.84	4,172.92	0.00	0.00	0.00
8,200.00	91.00	89.66	4,084.66	26.83	4,272.82	4,272.91	0.00	0.00	0.00
8,300.00	91.00	89.66	4,082.92	27.43	4,372.81	4,372.89	0.00	0.00	0.00
8,400.00	91.00	89.66	4,081.17	28.02	4,472.79	4,472.88	0.00	0.00	0.00
8,500.00	91.00	89.66	4,079.43	28.61	4,572.77	4,572.86	0.00	0.00	0.00
8,524.42	91.00	89.66	4,079.00	28.76	4,597.19	4,597.28	0.00	0.00	0.00
TD at 8524.42									

Archer

Planning Report

Database:	EDMIR5000.1 MULTI	Local Co-ordinate Reference:	Well 8H
Company:	COG OPERATING, LLC	TVD Reference:	3601' GL+13.5' KB' @ 3615.00usft (Planning)
Project:	Eddy County, NM	MD Reference:	3601' GL+13.5' KB' @ 3615.00usft (Planning)
Site:	Bose Ikard 4 State Com 8H	North Reference:	Grid
Well:	8H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Lateral		
Design:	Plan #1		

Design Targets									
Target Name	hit/miss target	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	
Shape		(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)	
									Latitude
									Longitude
Bose Ikard 8H Surface		0.00	0.00	0.00	0.00	0.00	675,621.10	575,701.10	32° 51' 25.64 N
- plan hits target center									104° 5' 12.52 W
- Point									
Bose Ikard 8H PBHL		0.00	0.01	4,079.00	28.76	4,597.19	675,649.85	580,298.29	32° 51' 25.82 N
- plan hits target center									104° 4' 18.63 W
- Point									

Plan Annotations				
Measured	Vertical	Local Coordinates		
Depth	Depth	+N/-S	+E/-W	Comment
(usft)	(usft)	(usft)	(usft)	
3,629.21	3,629.21	0.00	0.00	Start Build 11.00
4,456.48	4,150.00	4.62	529.94	Start DLS 3.00 TFO 89.97
4,461.82	4,149.91	4.66	535.28	Start 4062.60 hold at 4461.82 MD
8,524.42	4,079.00	28.76	4,597.19	TD at 8524.42

COG OPERATING, LLC

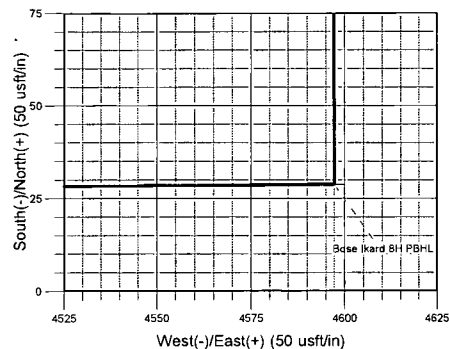
Field: Eddy County, NM
Site: Bose Ikard 4 State Com 8H
Well: 8H
Wellbore: Lateral
Plan: Plan #1

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSec	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	3629.21	0.00	0.00	3629.21	0.00	0.00	0.00	0.00	0.00	
3	4456.48	91.00	89.50	4150.00	4.62	529.94	11.00	89.50	529.96	
4	4461.82	91.00	89.66	4149.91	4.66	535.28	3.00	89.97	535.30	
5	8524.42	91.00	89.66	4079.00	28.76	4597.19	0.00	0.00	4597.28	Bose Ikard 8H PBHL

TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
Bose Ikard 8H Surface	0.00	0.00	0.00	675621.10	575701.10	32° 51' 25.64 N	104° 5' 12.52 W	Point
Bose Ikard 8H PBHL	4079.00	28.76	4597.19	675649.86	580298.29	32° 51' 25.82 N	104° 4' 18.63 W	Point



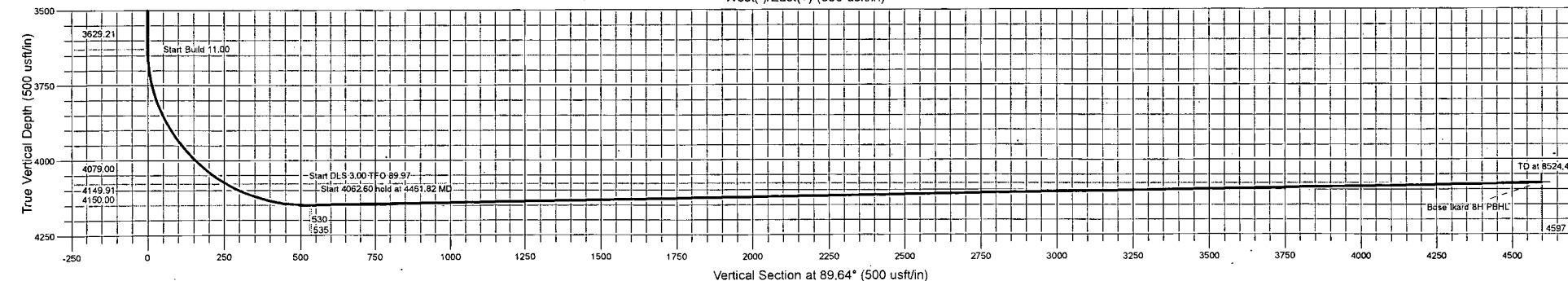
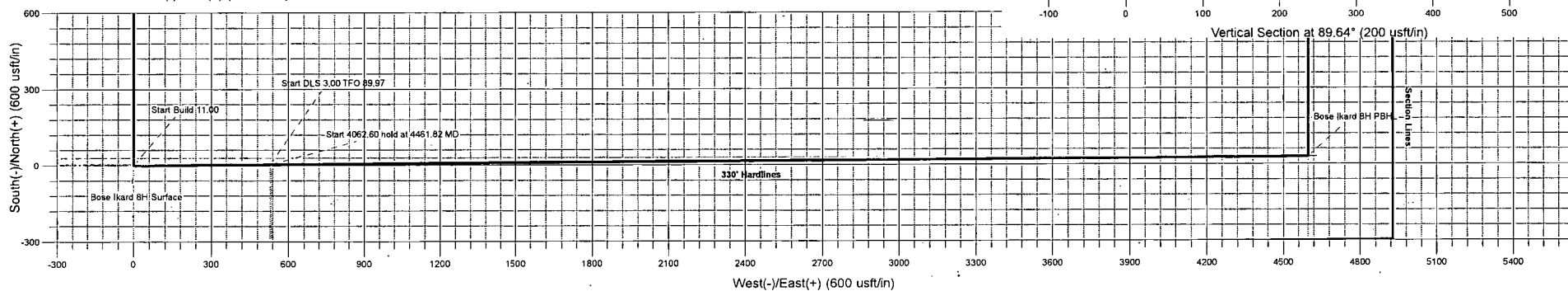
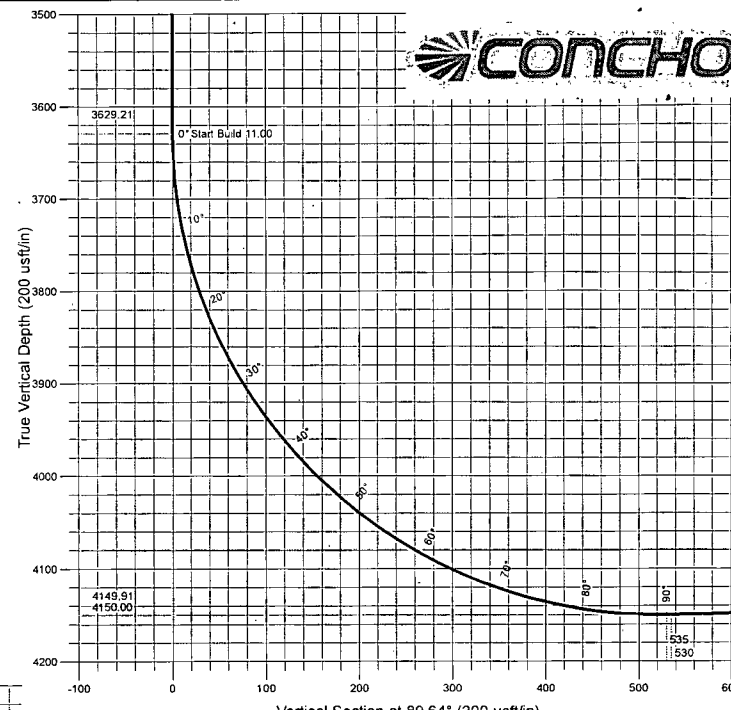
Section Distances

Sec4, T17S, R29E
SHL - Unit M
330° FSL, 330° FWL
PBHL - Unit P
330° FSL, 330° FEL



Azimuths to Grid North
True North: -0.13°
Magnetic North: 7.38°

Magnetic Field
Strength: 48647.8snT
Dip Angle: 60.61°
Date: 5/13/2014
Model: IGRF2010



Archer

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Design: Plan #1 (8H/Lateral)
Created By: Ivonne Gonzalez
Date: 11:56, May 13 2014