



DEC 16 2008

Form 3160-4 (August 2007)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

OCD-ARTESIA

FORM APPROVED OMB No 1004-0137 Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well [X] Oil Well [] Gas Well [] Dry [] Other
b. Type of Completion [X] New Well [] Work Over [] Deepen [] Plug Back [] Diff. Resvr.
2. Name of Operator COG OPERATING Contact: ROBYN ODOM E-Mail: rodom@conchoresources.com
3. Address 550 W. TEXAS AVE. STE 1300 MIDLAND, TX 79701
4. Location of Well (Report location clearly and in accordance with Federal requirements)*
14. Date Spudded 10/14/2008
15. Date T.D. Reached 10/27/2008
16. Date Completed 11/27/2008
17. Elevations (DF, KB, RT, GL)* 3757 GL
18. Total Depth: MD 6568 TVD 6530
19. Plug Back T.D.: MD 6490 TVD
20. Depth Bridge Plug Set: MD TVD
21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
22. Was well cored? [X] No [] Yes (Submit analysis)
Was DST run? [X] No [] Yes (Submit analysis)
Directional Survey? [] No [X] Yes (Submit analysis)

Table with 10 columns: Hole Size, Size/Grade, Wt. (#/ft), Top (MD), Bottom (MD), Stage Cementer Depth, No. of Sks. & Type of Cement, Slurry Vol. (BBL), Cement Top*, Amount Pulled. Rows include 17.500, 11.000, 7.875 hole sizes.

Table with 9 columns: Size, Depth Set (MD), Packer Depth (MD), Size, Depth Set (MD), Packer Depth (MD), Size, Depth Set (MD), Packer Depth (MD). Row includes 2.875 size, 5955 depth set.

Table with 7 columns: Formation, Top, Bottom, Perforated Interval, Size, No. Holes, Perf. Status. Rows include AFREN; GLORIETA-YESO, BFREN; GLORIETA-YESO, CFREN; GLORIETA-YESO, DFREN; GLORIETA-YESO.

Table with 2 columns: Depth Interval, Amount and Type of Material. Rows include 4860 TO 4970 ACIDIZE W/72 BBLs ACID, 4860 TO 4970 FRAC W/2622 BBLs GEL, 184327# SAND, 5430 TO 5630 ACIDIZE W/59 BBLs ACID, 5430 TO 5630 FRAC W/2732 BBLs GEL, 178591# SAND.

Table with 10 columns: Date First Produced, Test Date, Hours Tested, Test Production, Oil BBL, Gas MCF, Water BBL, Oil Gravity Corr API, Gas Gravity, Production Method. Row includes 11/29/2008 test date, 24 hours tested, 131.0 oil BBL, 93.0 gas MCF, 549.0 water BBL, 35.0 oil gravity, 0.60 gas gravity, ELECTRIC PUMPING UNIT.

Table with 10 columns: Date First Produced, Test Date, Hours Tested, Test Production, Oil BBL, Gas MCF, Water BBL, Oil Gravity Corr API, Gas Gravity, Production Method. Row includes 11/29/2008 test date, 70 hours tested, 70.0 oil BBL, 70.0 gas MCF, 70.0 water BBL, 70.0 oil gravity, 70.0 gas gravity, POW.

(See Instructions and spaces for additional data on reverse side) ELECTRONIC SUBMISSION #65435 VERIFIED BY THE BLM WELL INFORMATION SYSTEM ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **

Accepted for record - NMOC

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg SI	Csg. Press.	24 Hr Rate →	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg SI	Csg. Press.	24 Hr Rate →	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well Status	

29. Disposition of Gas(Sold, used for fuel, vented, etc.)
CAPTURED

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
YATES	1552		DOLOMITE & SAND		
QUEEN	2478		SAND		
SAN ANDRES	3236		DOLOMITE & ANHYDRITE		
GLORIETA	4773		SAND & DOLOMITE		
YESO	4855		DOLOMITE & ANHYDRITE		

32. Additional remarks (include plugging procedure):
 5700 - 5900 Acidize w/59 bbls acid.
 5700 - 5900 Frac w/2786 bbls gel, 178591# sand.
 6020 - 6220 Acidize w/59 bbls acid.
 6020 - 6220 Frac w/2991 bbls gel, 177885# sand.

33. Circle enclosed attachments.

- | | | | |
|---|--------------------|---------------|-----------------------|
| 1. Electrical/Mechanical Logs (1 full set req'd.) | 2. Geologic Report | 3. DST Report | 4. Directional Survey |
| 5. Sundry Notice for plugging and cement verification | 6. Core Analysis. | 7. Other. | |

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

**Electronic Submission #65435 Verified by the BLM Well Information System.
 For COG OPERATING, sent to the Carlsbad**

Name (please print) ROBYN ODOM Title PERSON RESPONSIBLE

Signature _____ (Electronic Submission) Date 12/10/2008

Title 18 U.S.C Section 1001 and Title 43 U.S.C Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction

**** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ****

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

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 October 12, 2005
Submit to Appropriate District Office
State Lease- 4 Copies
Fee Lease- 3 Copies

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015- 36470	Pool Code 26770	Pool Name FREN; GLORIETA-YFSO
Property Code 305607	Property Name SKELLY UNIT	Well Number 600
OGRI No. 229137	Operator Name COG OPERATING LLC.	Elevation 3757.2'

Surface Location

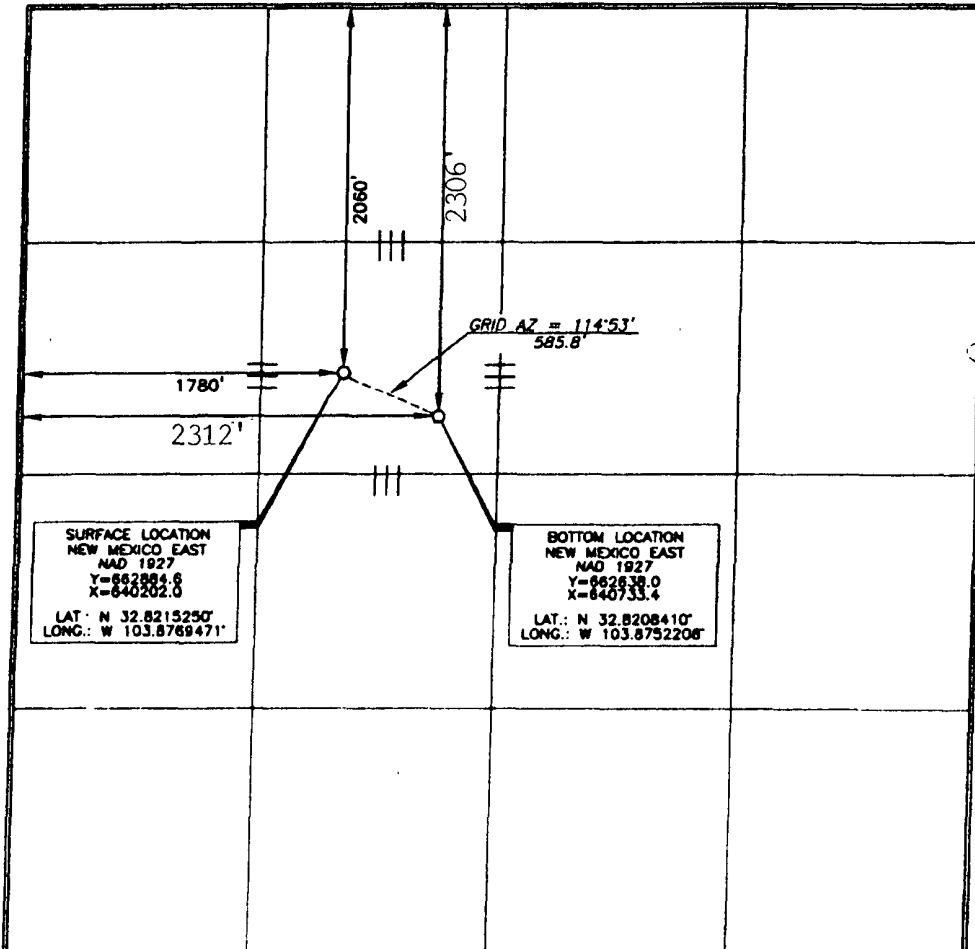
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	21	17 SOUTH	31 EAST, N.M.P.M.		2060'	NORTH	1780'	WEST	EDDY

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
F	21	17 SOUTH	31 EAST, N.M.P.M.		2306	NORTH	2312	WEST	EDDY

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

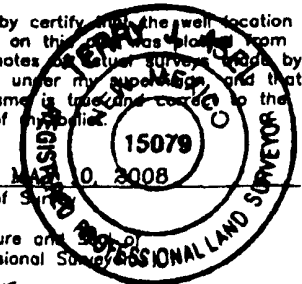
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this 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.

Phyllis A. Edwards
Signature Date 3-29-08

Phyllis A. Edwards
Printed Name Regulatory Analyst

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was located from field notes as taken by me or under my supervision and that the same is true and correct to the best of my belief.



Date of Survey
Signature and Seal of Professional Surveyor
Terry J. Auel 6/14/2008
Certificate Number 15079

WO# 080510WL-h (KA)

COG Operating

Eddy County, NM (NAN27 NME)

Skelly Unit #600

Skelly Unit #600

OH

Design: Actual

Standard Survey Report

27 October, 2008



Scientific Drilling
Directional Drilling Operations

Scientific Drilling

Survey Report



Company:	COG Operating	Local Co-ordinate Reference:	Well Skelly Unit #600
Project:	Eddy County, NM (NAN27 NME)	TVD Reference:	Ground Elev @ 3757 20ft (Rig Silver Oak #1)
Site:	Skelly Unit #600	MD Reference:	Ground Elev @ 3757 20ft (Rig Silver Oak #1)
Well:	Skelly Unit #600	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Actual	Database:	EDM 2003 16 Single User Db

Project: Eddy County, NM (NAN27 NME)			
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: Skelly Unit #600			
Site Position:	Northing:	Latitude:	662,884 600 ft 32° 49' 17 491 N
From: Map	Easting:	Longitude:	640,202 000 ft 103° 52' 37 010 W
Position Uncertainty: 0 00 ft	Slot Radius: "	Grid Convergence:	0 25 °

Well: Skelly Unit #600			
Well Position	Northing:	Latitude:	+N/-S 0 00 ft 662,884 600 ft 32° 49' 17 491 N
	Easting:	Longitude:	+E/-W 0 00 ft 640,202 000 ft 103° 52' 37 010 W
Position Uncertainty	Wellhead Elevation:	Ground Level:	0 00 ft ft 3,757 20 ft

Wellbore: OH			
Magnetics	Model Name	Sample Date	Declination
	IGRF200510	10/27/2008	(°) 8 08
			Dip Angle (°) 60 76
			Field Strength (nT) 49,229

Design: Actual			
Audit Notes:			
Version: 1 0	Phase: ACTUAL	Tie On Depth: 0 00	
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft) Direction (°)
	0 00	0 00	0 00 114 89

Survey Program		Date 10/27/2008	
From (ft)	To (ft)	Survey (Wellbore)	Tool Name Description
100 00	1,700 00	GYRO (OH)	Keeper Standard Wireline Keeper ver 1 0 2
1,849 00	6,568 00	MWD (OH)	MWD - Standard

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
100 00	0 08	233 18	100 00	-0 04	-0 06	-0 03	0 08	0 08	0 00
200 00	0 32	30 06	200 00	0 16	0 03	-0 04	0 39	0 24	156 88
300 00	0 18	355 69	300 00	0 56	0 16	-0 09	0 20	-0 14	-34 37
400 00	0 50	335 01	400 00	1 11	-0 04	-0 50	0 34	0 32	-20 68
500 00	0 71	14 30	499 99	2 10	-0 07	-0 95	0 45	0 21	39 29
600 00	0 79	34 40	599 98	3 27	0 47	-0 95	0 27	0 08	20 10
700 00	0 45	25 82	699 98	4 20	1 03	-0 83	0 35	-0 34	-8 58
800 00	0 63	0 48	799 97	5 10	1 21	-1 05	0 29	0 18	-25 34
900 00	0 72	1 16	899 97	6 28	1 22	-1 53	0 09	0 09	0 68
1,000 00	0 47	24 45	999 96	7 28	1 41	-1 79	0 34	-0 25	23 29
1,100 00	0 95	28 79	1,099 95	8 38	1 98	-1 73	0 48	0 48	4 34

Scientific Drilling

Survey Report



Company: COG Operating
Project: Eddy County, NM (NAN27 NME)
Site: Skelly Unit #600
Well: Skelly Unit #600
Wellbore: OH
Design: Actual

Local Co-ordinate Reference: Well Skelly Unit #600
TVD Reference: Ground Elev @ 3757 20ft (Rig Silver Oak #1)
MD Reference: Ground Elev @ 3757 20ft (Rig Silver Oak #1)
North Reference: Grd
Survey Calculation Method: Minimum Curvature
Database: EDM 2003 16 Single User Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
1,200 00	0 94	48 01	1,199 94	9 65	2 99	-1 36	0 32	-0 01	19 22	
1,300 00	1 45	46 20	1,299 92	11 08	4 51	-0 57	0 51	0 51	-1 81	
1,400 00	1 64	38 10	1,399 88	13 08	6 30	0 21	0 29	0 19	-8 10	
1,500 00	1 28	35 07	1,499 85	15 12	7 83	0 74	0 37	-0 36	-3 03	
1,600 00	0 96	42 32	1,599 83	16 65	9 03	1 19	0 35	-0 32	7 25	
1,700 00	0 53	80 52	1,699 82	17 35	10 05	1 82	0 63	-0 43	38 20	
Last gyro survey										
1,849 00	0 31	19 30	1,848 82	17 84	10 87	2 35	0 31	-0 15	-41 09	
1,943 00	2 39	112 59	1,942 79	17 33	12 76	4 28	2 58	2 21	99 24	
2,036 00	4 50	115 30	2,035 62	15 03	17 85	9 87	2 27	2 27	2 91	
2,130 00	6 08	115 39	2,129 21	11 32	25 68	18 53	1 68	1 68	0 10	
2,255 00	6 39	123 09	2,253 48	4 68	37 49	32 04	0 71	0 25	6 16	
2,349 00	6 61	125 44	2,346 87	-1 31	46 28	42 54	0 37	0 23	2 50	
2,443 00	7 05	128 00	2,440 20	-8 00	55 24	53 47	0 57	0 47	2 72	
2,537 00	7 86	122 00	2,533 41	-14 96	65 23	65 47	1 19	0 86	-6 38	
2,631 00	6 22	121 82	2,626 70	-21 05	75 01	76 90	1 74	-1 74	-0 19	
2,724 00	7 69	121 38	2,719 01	-26 95	84 60	88 09	1 58	1 58	-0 47	
2,826 00	6 98	115 29	2,820 18	-33 15	96 03	101 07	1 03	-0 70	-5 97	
2,912 00	9 42	108 81	2,905 29	-37 65	107 42	113 29	3 03	2 84	-7 53	
3,098 00	8 60	114 71	3,089 00	-48 37	134 47	142 34	0 66	-0 44	3 17	
3,287 00	7 65	112 81	3,276 10	-59 16	158 90	169 04	0 52	-0 50	-1 01	
3,474 00	6 65	111 85	3,461 65	-68 01	180 42	192 29	0 54	-0 53	-0 51	
3,600 00	8 18	124 10	3,586 60	-75 75	194 62	208 43	1 74	1 21	9 72	
3,688 00	7 50	123 39	3,673 77	-82 43	204 60	220 29	0 78	-0 77	-0 81	
3,975 00	6 74	123 22	3,958 56	-101 96	234 33	255 48	0 26	-0 26	-0 06	
4,163 00	6 05	123 69	4,145 39	-113 50	251 80	276 18	0 37	-0 37	0 25	
4,350 00	5 49	123 10	4,331 44	-123 85	267 49	294 77	0 30	-0 30	-0 32	
4,476 00	7 10	116 71	4,456 68	-130 64	279 50	308 52	1 39	1 28	-5 07	
4,599 00	8 52	117 72	4,578 53	-138 30	294 36	325 22	1 16	1 15	0 82	
4,787 00	8 20	114 08	4,764 54	-150 25	318 93	352 54	0 33	-0 17	-1 94	
4,974 00	7 89	113 10	4,949 70	-160 72	342 91	378 70	0 18	-0 17	-0 52	
5,161 00	7 09	114 75	5,135 10	-170 59	365 19	403 07	0 44	-0 43	0 88	
5,349 00	7 13	116 32	5,321 65	-180 62	386 19	426 34	0 11	0 02	0 84	
5,475 00	6 91	112 79	5,446 71	-187 03	400 18	441 73	0 38	-0 17	-2 80	
5,663 00	8 04	109 84	5,633 11	-195 87	422 98	466 13	0 63	0 60	-1 57	
5,851 00	7 40	108 26	5,819 41	-204 12	446 84	491 25	0 36	-0 34	-0 84	
5,976 00	7 76	112 95	5,943 31	-209 94	462 26	507 68	0 57	0 29	3 75	
6,087 00	8 03	118 59	6,053 26	-216 57	475 97	522 91	0 74	0 24	5 08	
6,258 00	7 93	115 30	6,222 61	-227 33	497 12	546 62	0 27	-0 06	-1 92	
6,384 00	7 40	116 43	6,347 48	-234 65	512 24	563 42	0 44	-0 42	0 90	
6,521 00	6 99	120 51	6,483 40	-242 81	527 33	580 54	0 48	-0 30	2 98	
Last MWD survey										
6,568 00	6 99	120 51	6,530 05	-245 72	532 25	586 23	0 00	0 00	0 00	
Projection to Bit - PBHL-Skelly #600										

Scientific Drilling

Survey Report



Company:	COG Operating	Local Co-ordinate Reference:	Well Skelly Unit #600
Project:	Eddy County, NM (NAN27 NME)	TVD Reference:	Ground Elev @ 3757 20ft (Rig Silver Oak #1)
Site:	Skelly Unit #600	MD Reference:	Ground Elev @ 3757 20ft (Rig Silver Oak #1)
Well:	Skelly Unit #600	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Actual	Database:	EDM 2003 16 Single User Db

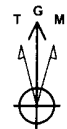
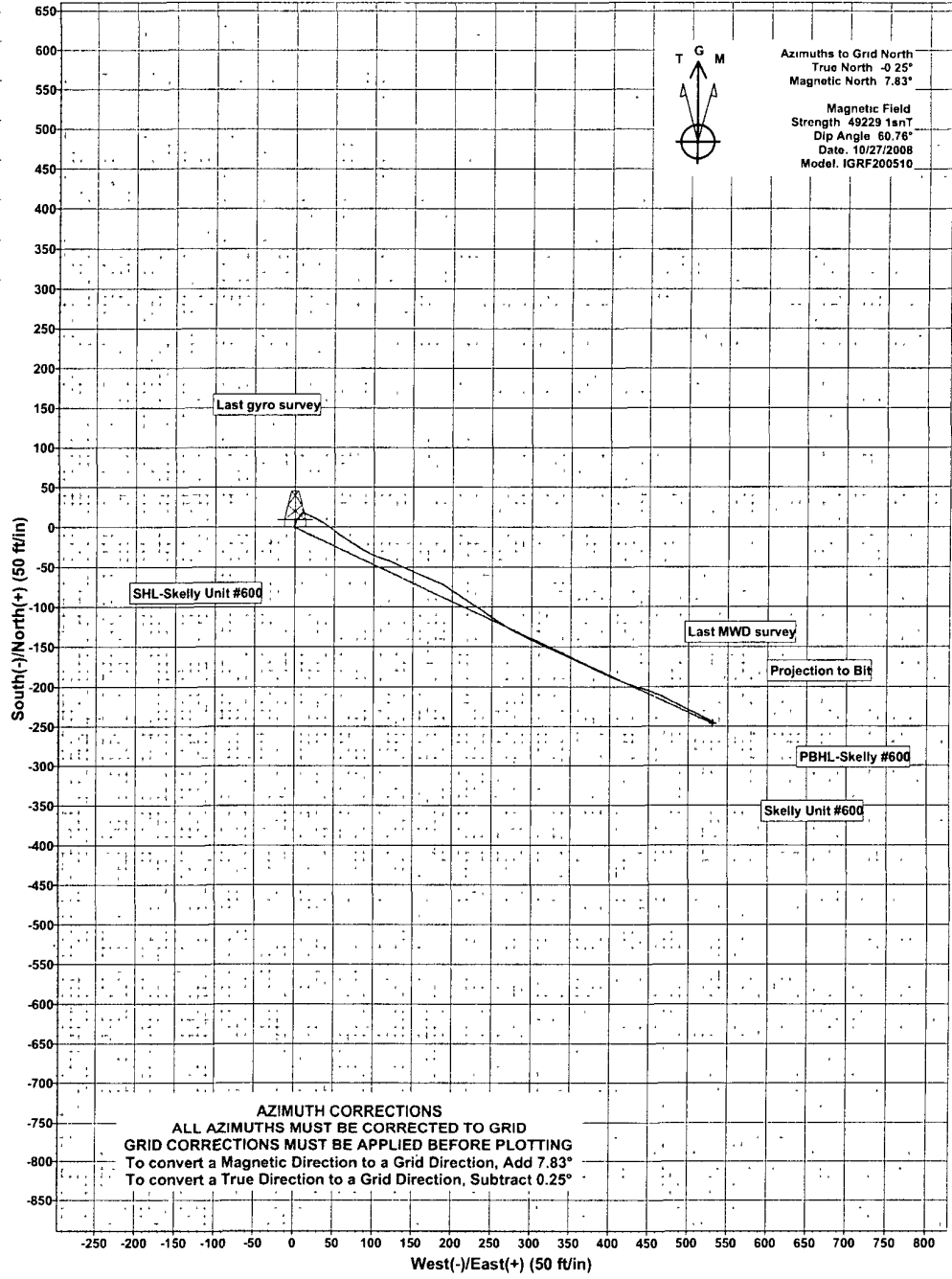
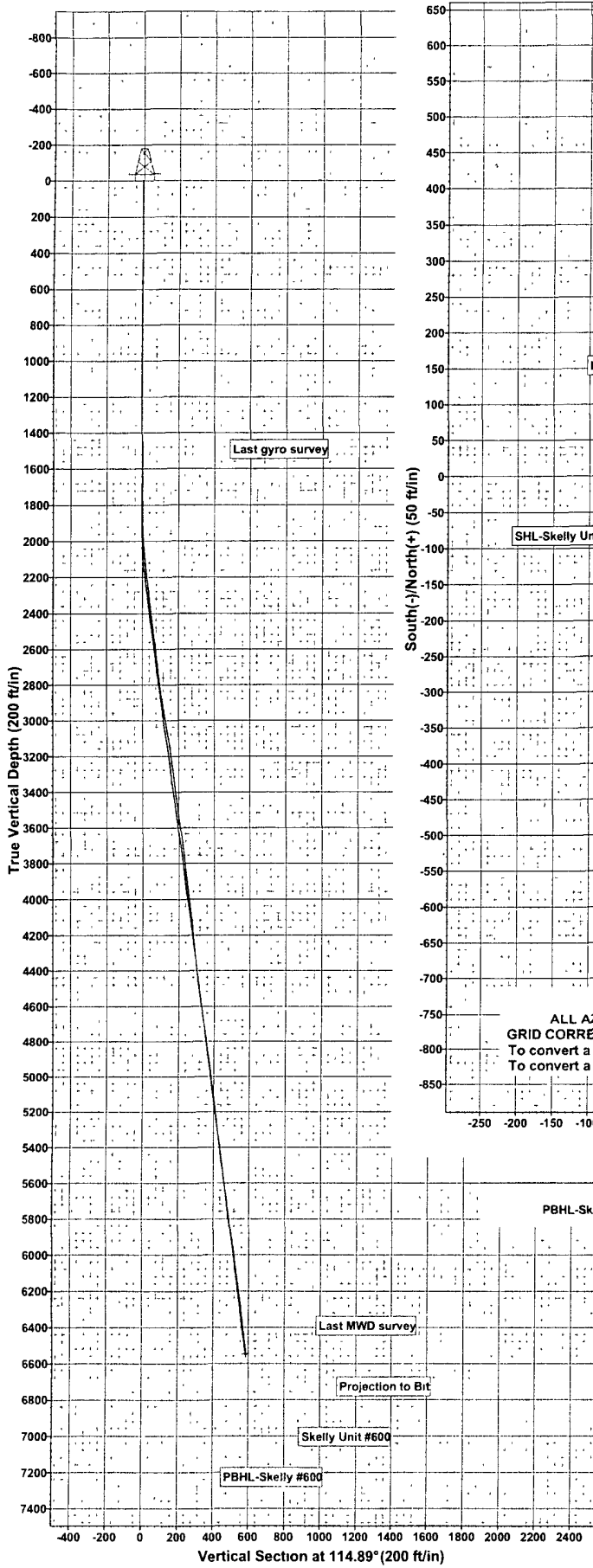
Targets										
Target Name	hit/miss target	Dip Angle	Dip Dir.	TVD	+N/S	+E/W	Northing	Easting	Latitude	Longitude
- Shape		(°)	(?)	(ft)	(ft)	(ft)	(ft)	(ft)		
PBHL-Skelly #600		0 00	0 00	6,550 00	-246 60	531 40	662,638 000	640,733 400	32° 49' 15 028 N	103° 52' 30 795 W
- actual wellpath misses by 19 98ft at 6568 00ft MD (6530 05 TVD, -245 72 N, 532 25 E)										
- Point										

Design Annotations				
Measured Depth	Vertical Depth	Local Coordinates		Comment
(ft)	(ft)	+N/S	+E/W	
1,700 00	1,699 82	17 35	10 05	Last gyro survey
6,521 00	6,483 40	-242 81	527 33	Last MWD survey
6,568 00	6,530 05	-245 72	532 25	Projection to Bit

Checked By: _____	Approved By: _____	Date: _____
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COG Operating

Scientific Drilling for COG Operating
 Site: Eddy County, NM (NAN27 NME)
 Well: Skelly Unit #600
 Wellbore: OH
 Design: Plan #2 vs Actual - 7 7/8" Hole



Azimuths to Grid North
 True North -0.25°
 Magnetic North 7.83°
 Magnetic Field
 Strength 49229 1nT
 Dip Angle 50.76°
 Date: 10/27/2008
 Model: IGRF200510

AZIMUTH CORRECTIONS
 ALL AZIMUTHS MUST BE CORRECTED TO GRID
 GRID CORRECTIONS MUST BE APPLIED BEFORE PLOTTING
 To convert a Magnetic Direction to a Grid Direction, Add 7.83°
 To convert a True Direction to a Grid Direction, Subtract 0.25°

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
PBHL-Skelly #600	6550.00	-246.60	531.40	662638.000	640733.400	32°49' 15.028 N	103°52' 30.795 W	Point

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	1900.00	0.00	0.00	1900.00	0.00	0.00	0.00	0.00	0.00	
3	2273.92	7.48	114.89	2272.86	-10.26	22.10	2.00	114.89	24.37	
4	6587.76	7.48	114.89	6550.00	-246.60	531.40	0.00	0.00	585.83	PBHL-Skelly #600

WELL DETAILS: Skelly Unit #600

+N/-S	+E/-W	Northing	Easting	Ground Level	Latitude	Longitude	Slot
0.00	0.00	662884.600	640202.000	3757.20	32°49' 17.491 N	103°52' 37.010 W	

PROJECT DETAILS Eddy County, NM (NAN27 NME) Plan: Plan #2 - 7 7/8" Hole (Skelly Unit #600/OH)

Geodetic System: US State Plane 1927 (Exact solution) Created By: Julio Pina Date: 27-Oct-08
 Datum: NAD 1927 (NADCON CONUS)
 Ellipsoid: Clarke 1866
 Zone: New Mexico East 3001
 System Datum: Mean Sea Level

Checked: _____ Date: _____
 Reviewed: _____ Date: _____
 Approved: _____ Date: _____