Form 3160-5
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE – *Other instructions on page 2.*

5 Lease Serial No.
NMLC029418A

6 If Indian, Allottee or Tribe Name

7 If Unit of CA/Agreement, Name and/or No
NMNM71030C

1. Type of Well
☑ Oil Well ☐ Gas Well ☐ Other

8 Well Name and No.
Skelly Unit 810

2 Name of Operator
CHEVRON USA INCORPORATED COG Operating LLC (Agent)

9 API Well No.
30-015-38450

3a. Address
(Agent)
550 W. Texas Ave , Suite 100 Midland, TX 79701

3b. Phone No. *(include area code)*
432-818-2319

10 Field and Pool or Exploratory Area
FREN; GLORIETA-YESO (97866)

4 Location of Well *(Footage, Sec , T ,R.,M., or Survey Description)*
Sec 23 T17S R31E 2085 FNL 1650 FEL, Unit G

11 Country or Parish, State
EDDY COUNTY, NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☑ Subsequent Report	☐ Casing Repair	☐ New Construction	☐ Recomplete	☑ Other Drilling Operations
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
☐ Final Abandonment Notice	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

8/06/11 MIRU. Tested BOP to 4500# for 30 min, Good.
8/08/11 Perf Lower Blinebry @ 6370 - 6570 w/1 SPF, 26 holes. Acidized w/3500 gals 15% HCL. Frac w/122,485 gals gel, 146,934# 16/30 White sand, 26,993# 16/30 SiberProp. Set CBP @ 6330.
Perf Middle Blinebry @ 6100 - 6300 w/1 SPF, 26 holes. Acidized w/3500 gals 15% HCL. Frac w/124,109 gals gel, 145,344# 16/30 White sand, 30,210# 16/30 SiberProp. Set CBP @ 6065.
Perf Upper Blinebry @ 5830 - 6030 w/1 SPF, 26 holes. Acidized w/3500 gals 15% HCL. Frac w/124,050 gals gel, 148,498# 16/30 White sand, 29,343# 16/30 SiberProp. Set CBP @ 5360.
Perf Paddock @ 5150 - 5325 w/1 SPF, 26 holes. Acidized w/2550 gals 15% HCL. Frac w/104,851 gals gel, 111,147# 16/30 White sand, 7,043# 16/30 SiberProp.
8/16/11 Drilled out plugs. Clean out to PBTD 6686.
8/17/11 RIH w/198 jts 2-7/8" J55 6.5# tbg, EOT @ 6448. RIH w/2-1/2" x 2" x 24' pump.
8/18/11 Hang well on.

Well is Shut-in waiting on facility.

Accepted for record
NMOCD
12/16/2011

14 I hereby certify that the foregoing is true and correct Name *(Printed/Typed)*
Netha Aaron

Title PREPARER

Signature N. Aaron

Date 10/18/2011

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

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

(Instructions on page 2)

JW DRILLING INC. Oil Well Drilling Contractor

Post Office Box 160 Artesia, New Mexico 88211-0160 Office (575) 748-8704 Fax (575) 748-8719

July 25, 2011

30-015-38450

COG Operating , LLC
500 W. Texas, Suite 1300
Midland, Texas 79701

Re: Skelly Unit # 810
Sec. 23, T-17-S, R-31-E
Eddy County, New Mexico

Attn: John Coffman

The following is a Deviation Survey on the referenced well in Eddy County, New Mexico:

83' - 1°	521' - 0.5°
138' - 1°	1028' - 0.75°
229' - 0.75°	1527' - 1.75°
314' - 1.25°	1745' - 0.5°
404' - 1°	

Sincerely,

Gary W. Chappell
Contracts Manager

STATE OF NEW MEXICO)
)
COUNTY OF EDDY)

The foregoing was acknowledged before me this 25th day of July, 2011 by Gary W. Chappell.

MY COMMISSION EXPIRES
4-29-12

Cheryl A Bartlett
NOTARY PUBLIC

OFFICIAL SEAL
CHERYL A. BARTLETT
NOTARY PUBLIC-STATE OF NEW MEXICO
My commission expires: 4-29-12

CONCHO

COG Operating LLC

Eddy County, NM (NAN27 NME)
Skelly Unit #810
Skelly Unit #810

OH

30-015-38450

Design: Actual

Standard Survey Report

22 July, 2011

Scientific Drilling
Directional Drilling Operations

Company:	COG Operating LLC	**Local Co-ordinate Reference:**	Site Skelly Unit #810
Project:	Eddy County, NM (NAN27 NME)	**TVD Reference:**	KB Elev (13') @ 3881 00usft (JW #4)
Site:	Skelly Unit #810	**MD Reference:**	KB Elev (13') @ 3881 00usft (JW #4)
Well:	Skelly Unit #810	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	Actual	**Database:**	EDM-Julio

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 #810				
Site Position:		**Northing:**	662,947 40 usft	**Latitude:**	32° 49' 17 558 N
From:	Map	**Easting:**	652,611 20 usft	**Longitude:**	103° 50' 11 591 W
Position Uncertainty:	0 00 usft	**Slot Radius:**	13-3/16 "	**Grid Convergence:**	0 27 °

Well	Skelly Unit #810					
Well Position	**+N/-S**	0 00 usft	**Northing:**	662,947 40 usft	**Latitude:**	32° 49' 17 558 N
	+E/-W	0 00 usft	**Easting:**	652,611 20 usft	**Longitude:**	103° 50' 11 591 W
Position Uncertainty		0 00 usft	**Wellhead Elevation:**	usft	**Ground Level:**	3,868 00 usft

Wellbore	OH				
Magnetics	**Model Name**	**Sample Date**	**Declination (°)**	**Dip Angle (°)**	**Field Strength (nT)**
	IGRF2010	2011/07/19	7 74	60 69	48,935

Design	Actual				
Audit Notes:					
Version:	1 0	**Phase:**	ACTUAL	**Tie On Depth:**	0 00

Vertical Section:	**Depth From (TVD) (usft)**	**+N/-S (usft)**	**+E/-W (usft)**	**Direction (°)**
	0 00	0 00	0 00	182 37

Survey Program **Date** 2011/07/22

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
100 00	1,750 00	Gyro Survey (OH)	Keeper	Standard Wireline Keeper ver 1 0 2
1,864 00	5,623 00	MWD Survey (OH)	MWD	MWD - Standard

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 20	18 74	100 00	0 17	0 06	-0.17	0 20	0 20	0 00
200 00	0 10	339 13	200 00	0 41	0 08	-0 42	0 14	-0.10	-39 61
300 00	0 19	30 13	300 00	0 64	0 13	-0 64	0 15	0 09	51 00
400 00	0 23	43 77	400 00	0 93	0 36	-0 94	0 06	0 04	13 64
500 00	0 27	55 75	500 00	1 20	0 69	-1 23	0 07	0 04	11 98
600 00	0 08	78 54	600 00	1 35	0 95	-1 39	0.20	-0.19	22 79
700 00	0 04	128 95	700 00	1 34	1 05	-1 38	0 06	-0 04	50 41
800 00	0 07	119 43	800 00	1 29	1 13	-1 33	0 03	0 03	-9 52
900 00	0 31	76 10	900 00	1 32	1 44	-1 38	0 26	0 24	-43 33

Company:	COG Operating LLC	**Local Co-ordinate Reference:**	Site Skelly Unit #810
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Site:	Skelly Unit #810	**MD Reference:**	KB Elev (13') @ 3881 00usft (JW #4)
Well:	Skelly Unit #810	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	Actual	**Database:**	EDM-Julio

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)
1,000 00	0 36	73 78	999 99	1 48	2 01	-1 56	0 05	0 05	-2 32
1,100 00	0 19	61 14	1,099 99	1 64	2 45	-1 74	0 18	-0 17	-12 64
1,200 00	0 27	345 04	1,199 99	1 95	2 54	-2 06	0 29	0 08	-76 10
1,300 00	0 35	90 60	1,299 99	2 18	2 78	-2 29	0 50	0 08	105 56
1,400 00	0 81	93 95	1,399 99	2.13	3 79	-2 28	0 46	0 46	3 35
1,500 00	1 00	70 36	1,499 97	2 37	5 32	-2 59	0 41	0 19	-23 59
1,600 00	1 31	60.67	1,599 95	3 22	7 14	-3 52	0 37	0 31	-9 69
1,700 00	0 96	64 56	1,699 93	4 14	8 89	-4 51	0 36	-0 35	3 89
1,750 00	0 81	63 28	1,749 93	4 48	9 59	-4 87	0 30	-0 30	-2 56
Gyro Tie-in									
1,864 00	0 86	69 79	1,863 92	5 14	11 11	-5 59	0 09	0 04	5 71
1,927 00	1 30	113 38	1,926 91	5 02	12 21	-5 52	1 43	0 70	69 19
1,989 00	1 57	146 23	1,988 89	4.03	13 33	-4 58	1 37	0 44	52 98
2,051 00	2 07	183 04	2,050 86	2 21	13 74	-2 78	2 01	0 81	59 37
2,113 00	2 92	188.84	2,112 80	-0 47	13 44	-0 09	1 43	1.37	9 35
2,175 00	3 60	185 83	2,174 70	-3 97	13 00	3 42	1 13	1.10	-4 85
2,238.00	4 17	190 60	2,237 55	-8 19	12 37	7 67	1 04	0 90	7 57
2,301 00	5 10	189 96	2,300 35	-13 19	11 47	12 71	1 48	1 48	-1 02
2,395 00	4 90	189 76	2,393 99	-21 27	10 07	20 83	0 21	-0.21	-0 21
2,489 00	4 58	188 59	2,487 67	-28 93	8 82	28 54	0 36	-0 34	-1 24
2,581 00	3 92	188 07	2,579 41	-35 68	7 83	35 32	0 72	-0 72	-0 57
2,674 00	4 20	178 84	2,672 18	-42 23	7 46	41 89	0 76	0 30	-9 92
2,767 00	4 99	178 94	2,764 88	-49 68	7 60	49 32	0 85	0 85	0 11
2,861 00	4 62	177 39	2,858 55	-57 55	7 85	57.18	0 42	-0 39	-1 65
2,955 00	5 23	178 73	2,952 20	-65 61	8 12	65.22	0 66	0 65	1 43
3,049 00	4 92	190 53	3,045 84	-73 86	7 47	73 49	1 16	-0 33	12 55
3,141 00	4 56	189 80	3,137 52	-81 34	6 13	81 02	0 40	-0 39	-0 79
3,235 00	4 52	190 23	3,231 23	-88 67	4 84	88 40	0 06	-0 04	0 46
3,328 00	4 19	191 57	3,323 96	-95.61	3 51	95 38	0 37	-0 35	1 44
3,423 00	4 17	191 57	3,418 71	-102 39	2 12	102 21	0 02	-0 02	0 00
3,515 00	3 91	192 23	3,510 48	-108 73	0 78	108 61	0 29	-0 28	0 72
3,610 00	4 14	187 20	3,605 24	-115 30	-0 33	115 21	0 44	0 24	-5 29
3,704 00	4 72	178 11	3,698 96	-122 53	-0 63	122.45	0 97	0 62	-9 67
3,797 00	4 48	179 78	3,791 66	-129.99	-0 49	129 90	0 30	-0 26	1 80
3,891 00	5 15	179 75	3,885 33	-137 88	-0 46	137 78	0 71	0 71	-0 03
3,939 00	5 15	179 75	3,933 14	-142.19	-0 44	142 08	0 00	0 00	0 00
3,984 00	5 69	188 02	3,977 94	-146 42	-0 74	146 32	2 11	1 20	18 38
4,078 00	5 36	187 89	4,071 50	-155 38	-2 00	155 33	0 35	-0 35	-0 14
4,172 00	5 51	185 16	4,165 08	-164 22	-3 00	164 21	0 32	0 16	-2 90
4,266 00	5 26	184 03	4,258 66	-173 01	-3 71	173 02	0 29	-0 27	-1 20
4,360 00	5 35	189 77	4,352 26	-181 63	-4 76	181 67	0 57	0.10	6 11
4,453 00	5 24	189 09	4,444 86	-190 10	-6 17	190 19	0 14	-0 12	-0 73
4,546 00	5.09	190 43	4,537 49	-198 35	-7 58	198 49	0 21	-0 16	1 44

Company:	COG Operating LLC	**Local Co-ordinate Reference:**	Site Skelly.Unit #810
Project:	Eddy County, NM (NAN27 NME)	**TVD Reference:**	KB Elev (13') @ 3881 00usft (JW #4)
Site:	Skelly Unit #810	**MD Reference:**	KB Elev (13') @ 3881 00usft (JW #4)
Well:	Skelly Unit #810	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	Actual	**Database:**	EDM-Julio

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)
4,609 00	4 19	192 22	4,600 28	-203 35	-8.58	203 53	1 45	-1 43	2 84
4,671 00	3 30	196 26	4,662 15	-207 27	-9 56	207 49	1 50	-1 44	6 52
4,733 00	2 61	198.70	4,724 06	-210 32	-10 51	210 58	1 13	-1 11	3 94
4,796 00	1 53	190 80	4,787 02	-212 51	-11 13	212 79	1 77	-1 71	-12 54
4,858 00	0 75	173 66	4,849 01	-213 73	-11 24	214 01	1 36	-1 26	-27 65
4,952 00	0 70	168 88	4,943 00	-214 90	-11 06	215 17	0 08	-0 05	-5 09
5,077 00	0 69	139 07	5,067 99	-216 22	-10 42	216 46	0 29	-0 01	-23 85
5,294 00	0 57	149 01	5,284 98	-218 13	-9 01	218 32	0 07	-0 06	4 58
5,387 00	0 47	148 90	5,377 98	-218 85	-8 57	219 02	0 11	-0 11	-0 12
5,480 00	0 34	126 85	5,470 97	-219 35	-8 15	219 50	0 22	-0 14	-23 71
5,575 00	0 47	135 40	5,565 97	-219 79	-7 65	219 92	0 15	0 14	9 00
Last MWD Survey									
5,623 00	0 47	135 40	5,613 97	-220 07	-7 38	220 19	0 00	0 00	0 00
Projection to Bit									

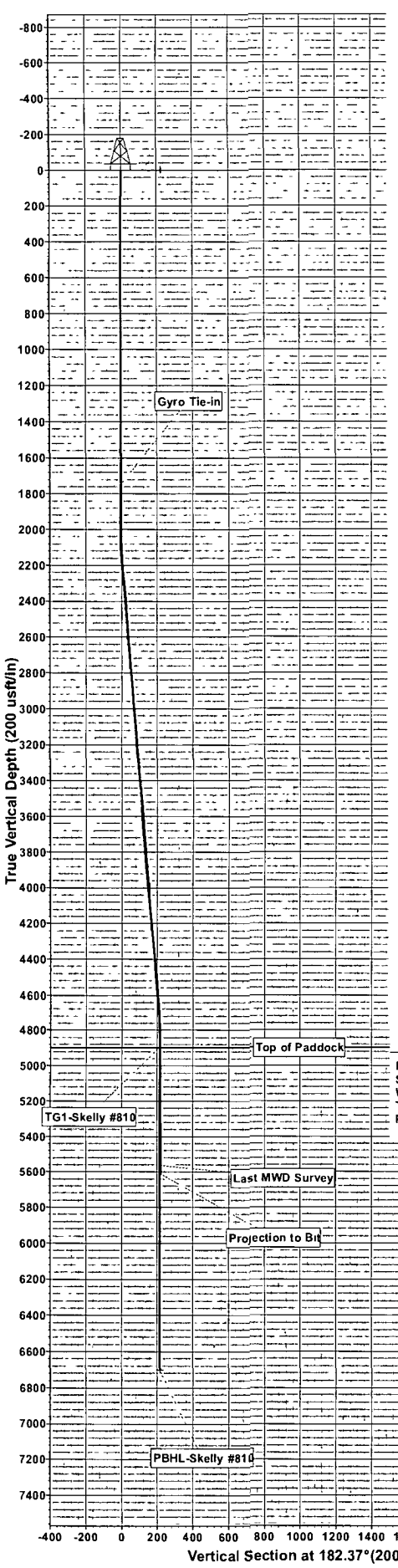
Design Annotations

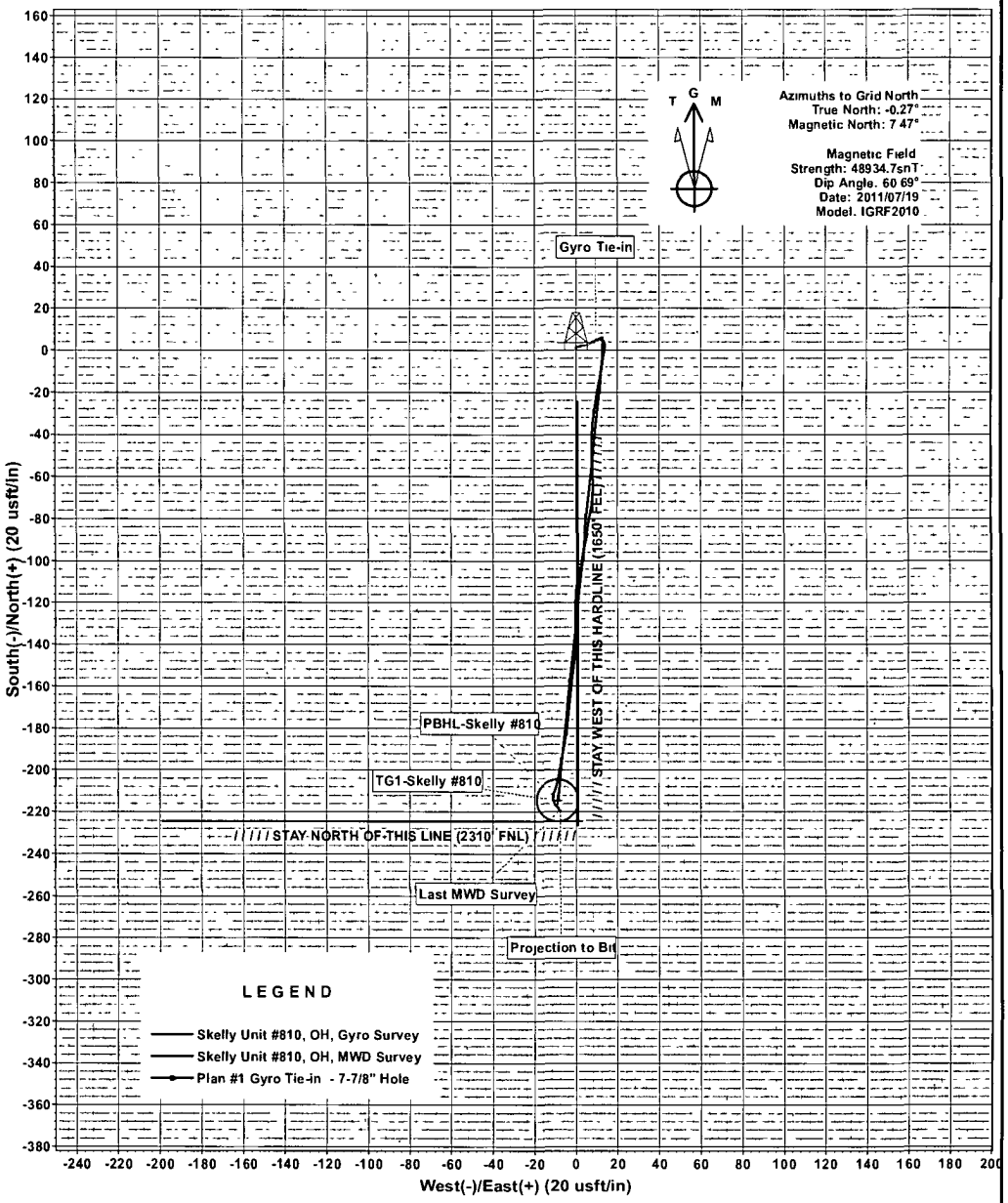
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Comment
1,750 00	1,749 93	4 48	9 59	Gyro Tie-in
5,575 00	5,565 97	-219 79	-7 65	Last MWD Survey
5,623 00	5,613 97	-220 07	-7 38	Projection to Bit

Checked By. _____ Approved By. _____ Date _____

Scientific Drilling for COG Operating LLC
Site: Eddy County, NM (NAN27 NME)
Well: Skelly Unit #810
Wellbore: OH
Design: Plan #1 Gyro Tie-in vs Actual - 7-7/8" Hole

Scientific Drilling
Directional Drilling Operations





WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
South HL-Skelly #810	0.00	-224.80	1.10	662722.60	652612.30	32°49' 15.334 N	103°50' 11.590 W	Rectangle (Sides . L0.00 W200.00)
West HL-Skelly #810	0.00	-224.80	1.10	662722.60	652612.30	32°49' 15.334 N	103°50' 11.590 W	Rectangle (Sides L200.00 W0.00)
TG1-Skelly #810	4900.00	-214.80	-8.90	662732.60	652602.30	32°49' 15.433 N	103°50' 11.707 W	Point
PBHL-Skelly #810	6700.00	-214.80	-8.90	662732.60	652602.30	32°49' 15.433 N	103°50' 11.707 W	Circle (Radius: 10.00)

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	1750.00	0.81	63.28	1749.93	4.48	9.59	0.00	0.00	-4.87	
2	1950.00	0.81	63.28	1949.91	5.75	12.11	0.00	0.00	-6.25	
3	2209.41	4.71	185.84	2209.04	-4.02	12.67	2.00	130.11	3.49	
4	4673.58	4.71	185.84	4664.90	-205.19	-7.92	0.00	0.00	205.34	
5	4908.94	0.00	0.00	4900.00	-214.80	-8.90	2.00	180.00	214.98	TG1-Skelly #810
6	6708.94	0.00	0.00	6700.00	-214.80	-8.90	0.00	0.00	214.98	PBHL-Skelly #810

WELL DETAILS Skelly Unit #810

Ground Level: 3868.00

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.00	0.00	662947.40	652611.20	32°49' 17.558 N	103°50' 11.591 W	

PROJECT DETAILS: Eddy County, NM (NAN27 NME) Plan: Plan #1 Gyro Tie-in - 7-7/8" Hole (Skelly Unit #810/OH)

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

Created By: Julio Pina Date: 19-Jul-11
Checked _____ Date _____
Reviewed. _____ Date. _____
Approved _____ Date: _____