OCD-ARTESIA

Form 3160-4
(April 2004)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO 1004-0137
Expires March 31, 2007

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5 Lease Serial No.
NMLC029420A

1a Type of Well ☑ Oil Well ☐ Gas Well ☐ Dry ☐ Other
b Type of Completion ☑ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff Resvr,
Other

6 If Indian, Allottee or Tribe Name
N/A

7 Unit or CA Agreement Name and No
NMNM71030C

2 Name of Operator **CHEVRON USA INCORPORATED (AGENT: COG OPERATING LLC)**

8 Lease Name and Well No
SKELLY UNIT 828

3 Address **550 W. TEXAS AVE. SUITE 100 MIDLAND TX, 79701**

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

9 API Well No
30-015-38443

4 Location of Well *(Report location clearly and in accordance with Federal requirements)**

At surface **Lot O 75' FSL & 1555' FEL**

At top prod interval reported below

At total depth **Lot O 336' FSL & 1663' FEL**

10 Field and Pool, or Exploratory
MAR LOC; GLORIETA-YESO

11 Sec , T , R , M , on Block and Survey or Area
Sec 15 T17S R31E

12 County or Parish **EDDY**

13 State **NM**

14 Date Spudded **07/15/2011**

15 Date T D Reached **07/24/2011**

16 Date Completed **08/18/2011** ☐ D & A ☑ Ready to Prod

17 Elevations (DF, RKB, RT, GL)* **3867' GL**

18 Total Depth MD **6745** TVD **6731**

19 Plug Back T.D. MD **6684** TVD **6670**

20 Depth Bridge Plug Set MD TVD

21 Type Electric & Other Mechanical Logs Run (Submit copy of each)
DUAL SPACED NEUT; RADIAL CMT BOND LOG

22 Was well cored? ☑ No ☐ Yes (Submit analysis)
Was DST run? ☑ No ☐ Yes (Submit report)
Directional Survey? ☐ No ☑ Yes (Submit copy)

23 Casing and Liner Record *(Report all strings set in well)*

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
17.5	13.375	48	0	527		450		0	
11	8.625	32	0	1809		550		0	
7.875	5.5	17	0	6731		1650		0	

RECEIVED
JAN 25 2012
NMOCD ARTESIA
Accepted for record
NMOCD 1/25/2012

24 Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.875	6221							

25 Producing Intervals

Formation	Top	Bottom	26 Perforation Record: Perforated Interval	Size	No Holes	Perf. Status
A) YESO	5040	6370	5040 - 5180	.34	20	OPEN
B)			5550 - 5770	.34	26	OPEN
C)			5850 - 6070	.34	26	OPEN
D)			6150 - 6370	.34	26	OPEN

27 Acid, Fracture, Treatment, Cement Squeeze, etc

Depth Interval	Amount and Type of Material
5040 - 5180	Acidized w/2500 gals 15% HCL.
5040 - 5180	Frac w/223,451 gals gel, 266,492# 16/30 White sand, 65,018# 16/30 CRC
5550 - 5770	Acidized w/3500 gals 15% HCL.
5550 - 5770	Frac w/115,231 gals gel, 147,764# 16/30 White sand, 32,621# 16/30 CRC

RECLAMATION DUE 2-18-12

28 Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr API	Gas Gravity	Production Method
01/09/2012	01/09/2012	24	→	133	86	211	37.1	.6	Electric Pumping Unit
Choke Size	**Tbg Press Flwg SI**	**Csg Press**	**24 Hr Rate**	**Oil BBL**	**Gas MCF**	**Water BBL**	**Gas/Oil Ratio**	**Well Status**	
N/A	SI 70	70	→	133	86	211	647	POW	

28a Production - Interval B

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

ACCEPTED FOR RECORD
JAN 21 2012
BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

(See instructions and spaces for additional data on page 2)

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
									N/A
Choke Size	**Tbg. Press. Flwg. SI**	**Csg. Press.**	**24 Hr. Rate →**	**Oil BBL**	**Gas MCF**	**Water BBL**	**Gas/Oil Ratio**	**Well Status**	
								N/A	

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
									N/A
Choke Size	**Tbg. Press. Flwg. SI**	**Csg. Press.**	**24 Hr. Rate →**	**Oil BBL**	**Gas MCF**	**Water BBL**	**Gas/Oil Ratio**	**Well Status**	
								N/A	

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

Sold

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
RUSTLER	**505**		**ANHYDRITE**	**RUSTLER**	**505**
SALT TOP	**615**		**SALT**	**SALT TOP**	**615**
TANSILL	**1466**		**DOLOMITE & SANDSTONE**	**TANSILL**	**1466**
YATES	**1815**		**DOLOMITE & SAND**	**YATES**	**1815**
QUEEN	**2737**		**DOLOMITE & SAND**	**QUEEN**	**2737**
SAN ANDRES	**3492**		**DOLOMITE & LIMESTONE**	**SAN ANDRES**	**3492**
GLORIETA	**4979**		**DOLOMITE & ANHYDRITE**	**GLORIETA**	**4979**
YESO	**5036**		**SAND & DOLOMITE**	**YESO**	**5036**
TUBB	**6520**		**DOLOMITE & SANDSTONE**	**TUBB**	**6520**

RECEIVED
2012 JAN 17 PM 2:14
BUREAU OF LAND MGMT
CARLSBAD FIELD OFFICE

32 Additional remarks (include plugging procedure):

ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE ETC. CONT...

5850 - 6070 Acidized w/3500 gals 15% HCL.
5850 - 6070 Frac w/113,738 gals gel, 143,792# 16/30 White sand, 31,202# 16/30 CRC

6150 - 6370 Acidized w/3500 gals 15% HCL.
6150 - 6370 Frac w/114,224 gals gel, 146,332# 16/30 White sand, 27,158# 16/30 CRC

33. Indicate which items have been attached by placing a check in the appropriate boxes:

☑ Electrical/Mechanical Logs (1 full set req'd.) ☐ Geologic Report ☐ DST Report ☑ Directional Survey
☐ Sundry Notice for plugging and cement verification ☐ Core Analysis ☐ Other:

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

Name *(please print)* **Netha Aaron** Title **PREPARER**

Signature N. Aaron Date **01/12/2012**

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.

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
11885 S. ST. FRANCIS DR., SANTA FE, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
11885 SOUTH ST. FRANCIS DR.
Santa Fe, New Mexico 87505

Form C-102
Revised October 12, 2005
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number	Pool Code	Pool Name
30-015-38443	97866	Mar Loco; Glorieta, Yeso

Property Code	Property Name	Well Number
29742	SKELLY UNIT	828

OGRID No.	Operator Name	Elevation
4323	Chevron USA, Inc.	3867'

Surface Location

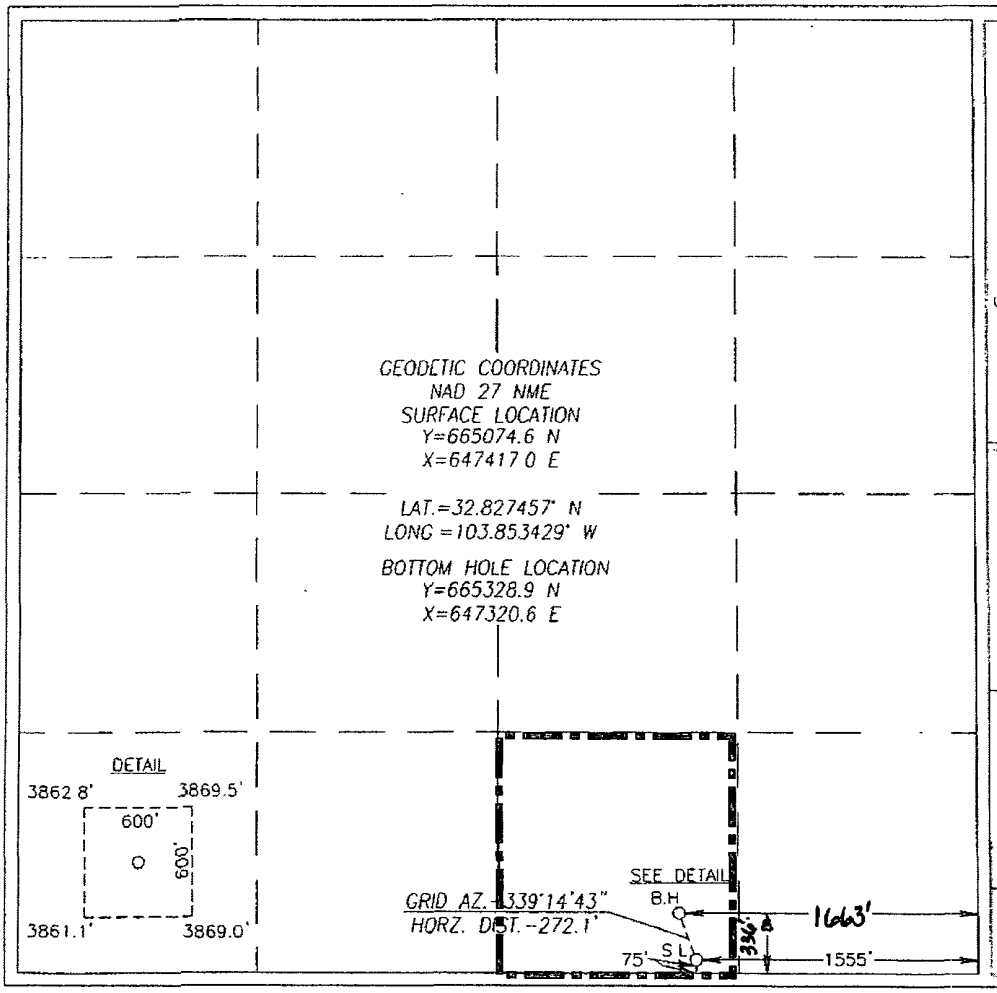
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	15	17-S	31-E		75	SOUTH	1555	EAST	EDDY

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
O	15	17-S	31-E		336	SOUTH	1663	EAST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
40			

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 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.

Netha Aaron 1/12/12
Signature Date

Netha Aaron
Printed Name

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.

RONALD J. EIDSON
AUGUST 12, 2010
NEW MEXICO
NATIONAL SURVEYING TWO THOUSAND
LA

Date Surveyed

Signature & Seal of Professional Surveyor

Ronald J. Eidson 08/20/2010

Certificate No. GARY G. EIDSON 12641
RONALD J. EIDSON 3239

30-015-38443

CONCHO

COG Operating LLC

Eddy County, NM (NAN27 NME)
Skelly Unit #828
Skelly Unit #828

OH

Design: Actual

Standard Survey Report

26 July, 2011

Scientific Drilling
Directional Drilling Operations

Company:	COG Operating LLC	**Local Co-ordinate Reference:**	Site Skelly Unit #828
Project:	Eddy County, NM (NAN27 NME)	**TVD Reference:**	KB Elev (12') @ 3879 00usft (Basic #35)
Site:	Skelly Unit #828	**MD Reference:**	KB Elev (12') @ 3879 00usft (Basic #35)
Well:	Skelly Unit #828	**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 #828

Site Position:		**Northing:**	665,074 60 usft	**Latitude:**	32° 49' 38 845 N
From:	Map	**Easting:**	647,417.00 usft	**Longitude:**	103° 51' 12 345 W
Position Uncertainty:	0 00 usft	**Slot Radius:**	13-3/16 "	**Grid Convergence:**	0 26 °

Well Skelly Unit #828

Well Position	**+N/-S**	0 00 usft	**Northing:**	665,074 60 usft	**Latitude:**	32° 49' 38 845 N
	+E/-W	0 00 usft	**Easting:**	647,417 00 usft	**Longitude:**	103° 51' 12 345 W
Position Uncertainty		0 00 usft	**Wellhead Elevation:**	usft	**Ground Level:**	3,867 00 usft

Wellbore OH

Magnetics	**Model Name**	**Sample Date**	**Declination (°)**	**Dip Angle (°)**	**Field Strength (nT)**
	IGRF2010	2011/07/19	7 75	60 69	48,936

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	338 07

Survey Program **Date** 2011/07/26

From (usft)	**To (usft)**	**Survey (Wellbore)**	**Tool Name**	**Description**
100 00	1,740 00	Gyro Survey (OH)	Keeper	Standard Wireline Keeper ver 1 0 2
1,840 00	5,140 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 77	53 18	100 00	0 40	0 54	0 17	0 77	0 77	0 00
200 00	0.62	44 96	199 99	1 19	1 46	0 56	0 18	-0.15	-8 22
300 00	0 40	39 17	299 99	1 84	2 06	0 94	0 23	-0 22	-5 79
400 00	0 40	41 95	399 98	2 37	2 51	1 26	0 02	0 00	2 78
500 00	0 44	49 22	499 98	2 88	3 04	1 54	0 07	0 04	7 27
600 00	0 24	63 72	599 98	3 23	3 52	1 68	0 22	-0 20	14 50
700 00	0 30	66 49	699 98	3 42	3 95	1 70	0 06	0 06	2 77
800.00	0 35	59 31	799 98	3 68	4 45	1 76	0 06	0 05	-7 18
900 00	0 31	71 00	899 97	3 93	4 97	1 79	0 08	-0 04	11.69

Company:	COG Operating LLC	**Local Co-ordinate Reference:**	Site Skelly Unit #828
Project:	Eddy County, NM (NAN27 NME)	**TVD Reference:**	KB Elev (12') @ 3879.00usft (Basic #35)
Site:	Skelly Unit #828	**MD Reference:**	KB Elev (12') @ 3879.00usft (Basic #35)
Well:	Skelly Unit #828	**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 24	75 67	999.97	4 07	5 43	1.75	0 07	-0 07	4 67
1,100 00	0 28	83 46	1,099 97	4.15	5 87	1 65	0 05	0 04	7 79
1,200 00	0 33	83 25	1,199 97	4 21	6.40	1 51	0 05	0 05	-0 21
1,300 00	0.40	69 44	1,299 97	4.36	7 01	1 43	0 11	0 07	-13 81
1,400 00	0 69	65 15	1,399 96	4 74	7.89	1 45	0 29	0 29	-4 29
1,500 00	0.95	41 33	1,499 95	5.62	8 98	1 86	0 42	0 26	-23 82
1,600 00	1 33	44 34	1,599 93	7 07	10.34	2 70	0 38	0 38	3 01
1,700 00	1.17	48 20	1,699 91	8 58	11 91	3 51	0 18	-0 16	3 86
1,740 00	1 21	50 40	1,739 90	9 12	12 54	3 78	0 15	0 10	5.50
Gyro Tie-in									
1,840.00	0 81	37 27	1,839 89	10 36	13 78	4 46	0 46	-0 40	-13 13
1,871.00	0 72	26 12	1,870 88	10 71	14 00	4 70	0 56	-0 29	-35 97
1,966 00	1 46	9 96	1,965 87	12 43	14 47	6 13	0 84	0 78	-17 01
2,062 00	2 33	5 30	2,061 81	15 58	14.86	8 90	0 92	0 91	-4 85
2,157.00	3 23	358 72	2,156 70	20 18	14 98	13 12	1 00	0 95	-6 93
2,252 00	4 31	351 14	2,251 49	26 38	14 37	19 11	1 25	1 14	-7.98
2,347 00	5 01	339 01	2,346 18	33 78	12 34	26 73	1 27	0 74	-12 77
2,443 00	5 78	332 60	2,441 76	41 99	8.61	35 73	1 02	0 80	-6 68
2,539 00	5 28	330 14	2,537 31	50 11	4 19	44 92	0 58	-0 52	-2 56
2,634 00	5 10	334 38	2,631 92	57 71	0 18	53.46	0 45	-0 19	4 46
2,728 00	5 42	336 32	2,725 52	65.54	-3 40	62 07	0 39	0 34	2 06
2,824 00	5 84	333 07	2,821 06	74 05	-7 44	71 47	0.55	0 44	-3 39
2,919 00	5 44	331 23	2,915 60	82 31	-11 79	80 75	0 46	-0 42	-1 94
3,015 00	6 20	333 41	3,011 11	90 93	-16 30	90 44	0 82	0 79	2 27
3,109 00	6 11	333 78	3,104 56	99 96	-20 79	100 49	0 10	-0 10	0 39
3,203 00	6 18	334 35	3,198 02	109 01	-25 19	110 52	0 10	0 07	0 61
3,297 00	6 24	333 86	3,291 47	118 15	-29 63	120 67	0 09	0 06	-0 52
3,393 00	6.31	334 20	3,386.90	127 59	-34 22	131 14	0 08	0 07	0 35
3,487 00	6 20	333 77	3,480 34	136 79	-38 71	141 35	0 13	-0 12	-0 46
3,583 00	6 26	335 17	3,575 77	146 19	-43 20	151 75	0 17	0 06	1 46
3,678 00	6 25	336 48	3,670 20	155 63	-47 44	162 09	0 15	-0.01	1 38
3,772 00	6 56	333 34	3,763 62	165 12	-51 89	172 56	0 50	0 33	-3 34
3,867.00	6 39	330 60	3,858 01	174 58	-56 92	183 21	0 37	-0 18	-2 88
3,962.00	6 61	330 73	3,952 40	183 95	-62 19	193 87	0 23	0 23	0 14
4,058 00	6.03	332 81	4,047 82	193.26	-67 20	204 37	0 65	-0 60	2 17
4,153 00	5 96	331 80	4,142 30	202 04	-71 81	214 24	0 13	-0 07	-1 06
4,247 00	5 99	331 51	4,235 79	210 66	-76 45	223 97	0 05	0 03	-0 31
4,342.00	6 24	331 53	4,330 25	219 55	-81 28	234 02	0 26	0 26	0 02
4,437 00	5 38	329 40	4,424 76	227 92	-86 01	243 55	0 93	-0 91	-2 24
4,533.00	5.41	328 36	4,520 33	235 65	-90 67	252.46	0 11	0 03	-1 08
4,629.00	5 44	327 25	4,615 90	243 33	-95 51	261 39	0 11	0 03	-1 16
4,724 00	4 44	329 02	4,710.55	250 27	-99 84	269 45	1 06	-1 05	1 86
4,819 00	3 11	324 88	4,805 34	255 53	-103 21	275 59	1 43	-1 40	-4 36

Company:	COG Operating LLC	**Local Co-ordinate Reference:**	Site Skelly Unit #828
Project:	Eddy County, NM (NAN27 NME)	**TVD Reference:**	KB Elev (12') @ 3879.00usft (Basic #35)
Site:	Skelly Unit #828	**MD Reference:**	KB Elev (12') @ 3879.00usft (Basic #35)
Well:	Skelly Unit #828	**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)
4,915 00	2 14	330 55	4,901 24	259 22	-105 59	279 90	1 04	-1 01	5.91
5,010 00	0 81	294 40	4,996 21	261 04	-107 08	282 14	1 64	-1 40	-38 05
5,073 00	0 37	291 76	5,059 20	261 30	-107 67	282 61	0 70	-0 70	-4.19
5,090 00	0 26	284 22	5,076 20	261 33	-107 76	282 67	0 69	-0 65	-44 35
Last MWD Survey									
5,140 00	0 26	284 22	5,126 20	261 39	-107.98	282 80	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
1,740 00	1,739 90	9 12	12 54	Gyro Tie-in
5,090 00	5,076 20	261 33	-107 76	Last MWD Survey
5,140 00	5,126 20	261 39	-107 98	Projection to Bit

Checked By _____ Approved By _____ Date _____

OPERATOR COG Operating, LLC

WELL/LEASE Skelly Unit #828

COUNTY Eddy

STATE OF NEW MEXICO
DEVIATION REPORT

76	0.80
169	1.03
259	0.90
383	0.76
509	0.61
807	0.51
1187	0.30
1535	0.77
1840	0.81
1871	0.72
1966	1.46
2062	2.33
2157	3.23
2252	4.31
2347	5.01
2443	5.78
2539	5.28
2728	5.42
2824	5.84
2919	5.44
3105	6.20
3109	6.11
3203	6.18
3298	6.24
3393	6.31
3487	6.20
3583	6.26
3678	6.25
3772	6.56
3867	6.39
3962	6.61
4058	6.03
4153	5.96
4247	5.99
4437	5.38
4533	5.41
4629	5.44
4724	4.44
4819	3.11
4915	2.14
5010	0.81
5073	0.37
5090	0.26
5523	0.60
5969	0.54
6409	0.34

SIGNED BY: _____

JAMES F. NEWMAN, VP-PERMIAN BUSINESS UNIT

STATE OF TEXAS
COUNTY OF MIDLAND

ON THIS 25 DAY OF August, 2011, BEFORE ME, M STEWART, A NOTARY PUBLIC, PERSONALLY APPEARED JAMES F. NEWMAN, WHO ACKNOWLEDGED AND EXECUTED THIS DOCUMENT. WITNESS MY HAND AND OFFICIAL SEAL.

NOTARY PUBLIC STATE OF TEXAS SEAL

MARION STEWART
My Commission Expires
January 28, 2013

Marion Stewart
NOTARY PUBLIC