

OCD-ARTESIA

Form 3160-5
(April 2004)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No. 1004-0137
Expires: March 31, 2007**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 reverse side.**1 Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

AUG 18 2008

2. Name of Operator
COG Operating LLC

OCD-ARTESIA

3a Address
550 W. Texas Ave., Suite 1300 Midland, TX 797013b Phone No (include area code)
432-685-4372

4 Location of Well (Footage, Sec, T, R, M, or Survey Description)

2310 FNL, 1890 FWL
Sec 15, T17S, R31E, Unit F

5. Lease Serial No

LC-029420A

6 If Indian, Allottee or Tribe Name

7 If Unit or CA/Agreement, Name and/or No.

8. Well Name and No

Skelly Unit #968

9 API Well No

30-015-35816

10. Field and Pool, or Exploratory Area

Fren; Glorieta-Yeso

11 County or Parish, State

Eddy County, NM

12. CHECK 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
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other Request to drill
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	directionally
	☐ 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 recomple 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 shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recomple in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

COG Operating LLC respectfully requests permission to drill this well directionally.

SHL - 2310 FNL & 1890 FWL Section 15, T17S, R31E, UL F

BHL - 2310 FNL & 2310 FWL Section 15, T17S, R31E, UL F

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

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

Phyllis A. Edwards

Title Regulatory Analyst

Signature

Date

06/11/2008

APPROVED

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

AUG 14 2008
WESLEY W. INGRAM
PETROLEUM ENGINEER

Title 18 USC Section 1001 and Title 43 USC 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)

DISTRICT I
1625 N. FRENCH DR., HOBBBS, NM 88240

DISTRICT II
1301 W. GRAND AVENUE, ARTESIA, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV
1625 S. ST. FRANCIS DR., SANTA FE, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
1220 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 30-015-35816	Pool Code 26770	Pool Name FRFN; GLORIETA; YESO
Property Code 29742	Property Name SKELLY UNIT	Well Number 968
OGRID No. 4323	Operator Name COG OPERATING, LLC	Elevation 3876'

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	15	17-S	31-E		2310	NORTH	1890	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	15	17-S	31-E		2310	NORTH	2310	WEST	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

DETAIL 3873.7' 3879.1' 600' 3871.5' 3876.5' GRID AZ. = 89°28'45" HORIZ. DIST. = 420.0' 1890' 2310' SURF. SEE DETAIL B.H. BOTTOM HOLE LOCATION Y=667954.8 N X=645984.7 E GEODETTIC COORDINATES NAD 27 NME SURFACE LOCATION Y=667951.0 N X=645565.0 E LAT. = 32.835386° N LONG. = 103.859416° W	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. <i>Phyllis A. Edwards</i> 5-27-08 Signature Date Phyllis A. Edwards Printed Name Regulatory Analyst 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. JUNE 25, 2007 Date Surveyed Signature & Seal of Professional Surveyor 3239 08.13.0610 Certificate No GARY EIDSON 12641 RONALD J. EIDSON 3239
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Proposal

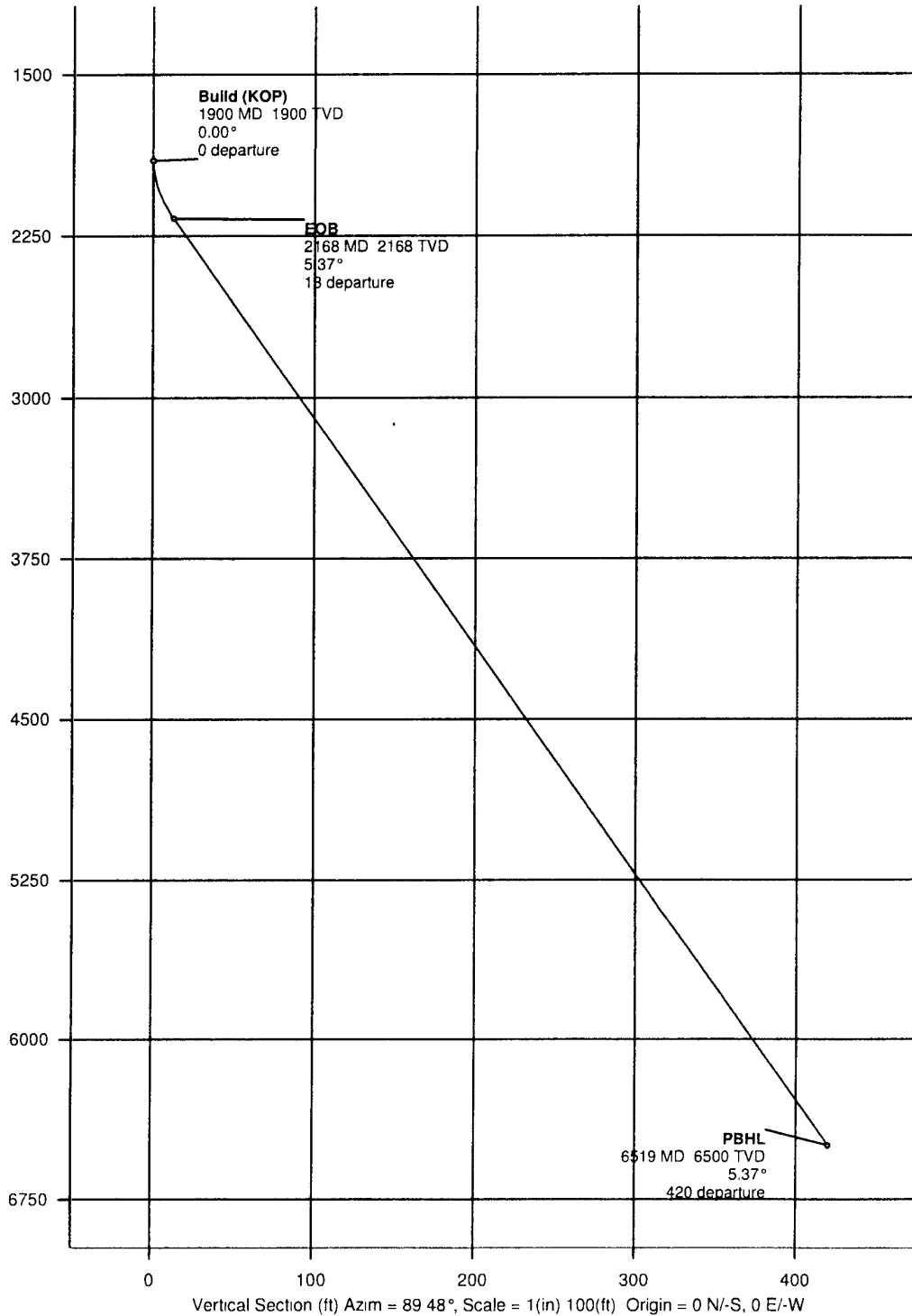
Report Date: April 24, 2008	Survey / DLS Computation Method: Minimum Curvature / Lubinski
Client: COG Operating, LLC	Vertical Section Azimuth: 89.480°
Field: Eddy County, NM	Vertical Section Origin: N 0.000 ft, E 0.000 ft
Structure / Slot: Skelly Unit #968 / Skelly Unit #968	TVD Reference Datum: RKB
Well: Skelly Unit #968	TVD Reference Elevation: 0.0 ft relative to
Borehole: Skelly Unit #968	Sea Bed / Ground Level Elevation: 0.000 ft relative to
UWI/API#:	Magnetic Declination: 8.132°
Survey Name / Date: Skelly Unit #968_r1 / April 24, 2008	Total Field Strength: 49318.297 nT
Tort / AHD / DDI / ERD ratio: 5.370° / 419.75 ft / 3.354 / 0.065	Magnetic Dip: 60.793°
Grid Coordinate System: NAD27 New Mexico State Planes, Eastern Zone, US Feet	Declination Date: April 24, 2008
Location Lat/Long: N 32 50 7.389, W 103 51 33.898	Magnetic Declination Model: IGRF 2005
Location Grid N/E Y/X: N 667951.000 ftUS, E 645565.000 ftUS	North Reference: Grid North
Grid Convergence Angle: +0.25697507°	Total Corr Mag North -> Grid North: +7.875°
Grid Scale Factor: 0.99993336	Local Coordinates Referenced To: Well Head

Comments	Measured Depth (ft)	Inclination (deg)	Azimuth (deg)	TVD (ft)	Vertical Section (ft)	NS (ft)	EW (ft)	Closure (ft)	Closure Azimuth (deg)	DLS (deg/100 ft)	Mag / Grav Tool Face (deg)	Build Rate (deg/100 ft)	Walk Rate (deg/100 ft)
Tie-In	0.00	0.00	89.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00
	100.00	0.00	89.48	100.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00
	200.00	0.00	89.48	200.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00
	300.00	0.00	89.48	300.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00
	400.00	0.00	89.48	400.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00
	500.00	0.00	89.48	500.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00
	600.00	0.00	89.48	600.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00
	700.00	0.00	89.48	700.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00
	800.00	0.00	89.48	800.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00
	900.00	0.00	89.48	900.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00
	1000.00	0.00	89.48	1000.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00
	1100.00	0.00	89.48	1100.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00
	1200.00	0.00	89.48	1200.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00
	1300.00	0.00	89.48	1300.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00
	1400.00	0.00	89.48	1400.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00
Build (KOP)	1500.00	0.00	89.48	1500.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00
	1600.00	0.00	89.48	1600.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00
	1700.00	0.00	89.48	1700.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00
	1800.00	0.00	89.48	1800.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00
	1900.00	0.00	89.48	1900.00	0.00	0.00	0.00	0.00	0.00	0.00	89.48M	0.00	0.00
	2000.00	2.00	89.48	1999.98	1.75	0.02	1.75	1.75	89.48	2.00	89.48M	2.00	0.00
	2100.00	4.00	89.48	2099.84	6.98	0.06	6.98	6.98	89.48	2.00	89.48M	2.00	0.00
	2168.48	5.37	89.48	2168.09	12.57	0.11	12.57	12.57	89.48	2.00	---	2.00	0.00
	2200.00	5.37	89.48	2199.47	15.52	0.14	15.52	15.52	89.48	0.00	---	0.00	0.00
	2300.00	5.37	89.48	2299.03	24.88	0.23	24.88	24.88	89.48	0.00	---	0.00	0.00
EOB	2400.00	5.37	89.48	2398.59	34.24	0.31	34.24	34.24	89.48	0.00	---	0.00	0.00
	2500.00	5.37	89.48	2498.15	43.60	0.39	43.59	43.60	89.48	0.00	---	0.00	0.00
	2600.00	5.37	89.48	2597.71	52.95	0.48	52.95	52.95	89.48	0.00	---	0.00	0.00
	2700.00	5.37	89.48	2697.27	62.31	0.56	62.31	62.31	89.48	0.00	---	0.00	0.00
	2800.00	5.37	89.48	2796.84	71.67	0.65	71.67	71.67	89.48	0.00	---	0.00	0.00
	2900.00	5.37	89.48	2896.40	81.03	0.73	81.02	81.03	89.48	0.00	---	0.00	0.00
	3000.00	5.37	89.48	2995.96	90.39	0.82	90.38	90.39	89.48	0.00	---	0.00	0.00
	3100.00	5.37	89.48	3095.52	99.74	0.90	99.74	99.74	89.48	0.00	---	0.00	0.00
	3200.00	5.37	89.48	3195.08	109.10	0.99	109.10	109.10	89.48	0.00	---	0.00	0.00
	3300.00	5.37	89.48	3294.64	118.46	1.07	118.46	118.46	89.48	0.00	---	0.00	0.00
	3400.00	5.37	89.48	3394.20	127.82	1.16	127.81	127.82	89.48	0.00	---	0.00	0.00
	3500.00	5.37	89.48	3493.76	137.18	1.24	137.17	137.18	89.48	0.00	---	0.00	0.00
	3600.00	5.37	89.48	3593.33	146.54	1.33	146.53	146.54	89.48	0.00	---	0.00	0.00
	3700.00	5.37	89.48	3692.89	155.89	1.41	155.89	155.89	89.48	0.00	---	0.00	0.00
	3800.00	5.37	89.48	3792.45	165.25	1.50	165.25	165.25	89.48	0.00	---	0.00	0.00
	3900.00	5.37	89.48	3892.01	174.61	1.58	174.60	174.61	89.48	0.00	---	0.00	0.00

Comments	Measured Depth (ft)	Inclination (deg)	Azimuth (deg)	TVD (ft)	Vertical Section (ft)	NS (ft)	EW (ft)	Closure (ft)	Closure Azimuth (deg)	DLS (deg/100 ft)	Mag / Grav Tool Face (deg)	Build Rate (deg/100 ft)	Walk Rate (deg/100 ft)
	4000.00	5.37	89.48	3991.57	183.97	1.67	183.96	183.97	89.48	0.00	---	0.00	0.00
	4100.00	5.37	89.48	4091.13	193.33	1.75	193.32	193.33	89.48	0.00	---	0.00	0.00
	4200.00	5.37	89.48	4190.69	202.68	1.84	202.68	202.68	89.48	0.00	---	0.00	0.00
	4300.00	5.37	89.48	4290.25	212.04	1.92	212.03	212.04	89.48	0.00	---	0.00	0.00
	4400.00	5.37	89.48	4389.81	221.40	2.00	221.39	221.40	89.48	0.00	---	0.00	0.00
	4500.00	5.37	89.48	4489.38	230.76	2.09	230.75	230.76	89.48	0.00	---	0.00	0.00
	4600.00	5.37	89.48	4588.94	240.12	2.17	240.11	240.12	89.48	0.00	---	0.00	0.00
	4700.00	5.37	89.48	4688.50	249.48	2.26	249.47	249.48	89.48	0.00	---	0.00	0.00
	4800.00	5.37	89.48	4788.06	258.83	2.34	258.82	258.83	89.48	0.00	---	0.00	0.00
	4900.00	5.37	89.48	4887.62	268.19	2.43	268.18	268.19	89.48	0.00	---	0.00	0.00
	5000.00	5.37	89.48	4987.18	277.55	2.51	277.54	277.55	89.48	0.00	---	0.00	0.00
	5100.00	5.37	89.48	5086.74	286.91	2.60	286.90	286.91	89.48	0.00	---	0.00	0.00
	5200.00	5.37	89.48	5186.30	296.27	2.68	296.25	296.27	89.48	0.00	---	0.00	0.00
	5300.00	5.37	89.48	5285.86	305.62	2.77	305.61	305.62	89.48	0.00	---	0.00	0.00
	5400.00	5.37	89.48	5385.43	314.98	2.85	314.97	314.98	89.48	0.00	---	0.00	0.00
	5500.00	5.37	89.48	5484.99	324.34	2.94	324.33	324.34	89.48	0.00	---	0.00	0.00
	5600.00	5.37	89.48	5584.55	333.70	3.02	333.69	333.70	89.48	0.00	---	0.00	0.00
	5700.00	5.37	89.48	5684.11	343.06	3.11	343.04	343.06	89.48	0.00	---	0.00	0.00
	5800.00	5.37	89.48	5783.67	352.42	3.19	352.40	352.42	89.48	0.00	---	0.00	0.00
	5900.00	5.37	89.48	5883.23	361.77	3.28	361.76	361.77	89.48	0.00	---	0.00	0.00
	6000.00	5.37	89.48	5982.79	371.13	3.36	371.12	371.13	89.48	0.00	---	0.00	0.00
	6100.00	5.37	89.48	6082.35	380.49	3.44	380.47	380.49	89.48	0.00	---	0.00	0.00
	6200.00	5.37	89.48	6181.92	389.85	3.53	389.83	389.85	89.48	0.00	---	0.00	0.00
	6300.00	5.37	89.48	6281.48	399.21	3.61	399.19	399.21	89.48	0.00	---	0.00	0.00
	6400.00	5.37	89.48	6381.04	408.56	3.70	408.55	408.56	89.48	0.00	---	0.00	0.00
	6500.00	5.37	89.48	6480.60	417.92	3.78	417.91	417.92	89.48	0.00	---	0.00	0.00
PBHL	6519.49	5.37	89.48	6500.00	419.75	3.80	419.73	419.75	89.48	0.00	---	0.00	0.00

COG Operating, LLC.

WELL	Skelly Unit #968	FIELD	Eddy County, NM	STRUCTURE	Skelly Unit #968
Magnetics Parameters Model ICRF 2005	Dp 60.740° Mag Dec. -8.32°	Date April 24, 2008 FS	Surface Location Lat N32 50 7.389 Lon W100 51 33.898	NAD27 New Mexico State Plane's East on Zone US Feet Northing 447451.00 NUS Easting 445565.00 EUS Grid Conv. +0.25697507° Scale Fact. 0.999933558	Miscellaneous Site Skelly Unit #968 Plan Skelly Unit #968.11 TVD Ref RkB (0.00' above) Srvy Date April 24, 2008



INTREPID
Directional Drilling Specialists



Proposal

Report Date: April 24, 2008	Survey / DLS Computation Method: Minimum Curvature / Lubinski
Client: COG Operating, LLC	Vertical Section Azimuth: 89 480°
Field: Eddy County, NM	Vertical Section Origin: N 0 000 ft, E 0 000 ft
Structure / Slot: Skelly Unit #968 / Skelly Unit #968	TVD Reference Datum: RKB
Well: Skelly Unit #968	TVD Reference Elevation: 0 0 ft relative to
Borehole: Skelly Unit #968	Sea Bed / Ground Level Elevation: 0 000 ft relative to
UWI/API#:	Magnetic Declination: 8 132°
Survey Name / Date: Skelly Unit #968_r1 / April 24, 2008	Total Field Strength: 49318 297 nT
Tort / AHD / DDI / ERD ratio: 5 370° / 419 75 ft / 3 354 / 0.065	Magnetic Dip: 60 793°
Grid Coordinate System: NAD27 New Mexico State Planes, Eastern Zone, US Feet	Declination Date: April 24, 2008
Location Lat/Long: N 32 50 7 389, W 103 51 33 898	Magnetic Declination Model: IGRF 2005
Location Grid N/E Y/X: N 667951 000 ftUS, E 645565 000 ftUS	North Reference: Grid North
Grid Convergence Angle: +0 25697507°	Total Corr Mag North -> Grid North: +7 875°
Grid Scale Factor: 0.99993336	Local Coordinates Referenced To: Well Head

Comments	Measured Depth (ft)	Inclination (deg)	Azimuth (deg)	TVD (ft)	Vertical Section (ft)	NS (ft)	EW (ft)	Closure (ft)	Closure Azimuth (deg)	DLS (deg/100 ft)	Mag / Grav Tool Face (deg)	Build Rate (deg/100 ft)	Walk Rate (deg/100 ft)
Tie-In	0 00	0 00	89 48	0 00	0 00	0 00	0 00	0 00	0 00	0 00	---	0 00	0 00
	100 00	0 00	89 48	100 00	0 00	0 00	0 00	0 00	0 00	0 00	---	0 00	0 00
	200 00	0 00	89 48	200 00	0 00	0 00	0 00	0 00	0 00	0 00	---	0 00	0 00
	300 00	0 00	89 48	300 00	0 00	0 00	0 00	0 00	0 00	0 00	---	0 00	0 00
	400 00	0 00	89 48	400 00	0 00	0 00	0 00	0 00	0 00	0 00	---	0 00	0 00
	500 00	0 00	89 48	500 00	0 00	0 00	0 00	0 00	0 00	0 00	---	0 00	0 00
	600 00	0 00	89 48	600 00	0 00	0 00	0 00	0 00	0 00	0 00	---	0 00	0 00
	700 00	0 00	89 48	700 00	0 00	0 00	0 00	0 00	0 00	0 00	---	0 00	0 00
	800 00	0 00	89 48	800 00	0 00	0 00	0 00	0 00	0 00	0 00	---	0 00	0 00
	900 00	0 00	89 48	900 00	0 00	0 00	0 00	0 00	0 00	0 00	---	0 00	0 00
Build (KOP)	1000 00	0 00	89 48	1000 00	0 00	0 00	0 00	0 00	0 00	0 00	---	0 00	0 00
	1100 00	0 00	89 48	1100 00	0 00	0 00	0 00	0 00	0 00	0 00	---	0 00	0 00
	1200 00	0 00	89 48	1200 00	0 00	0 00	0 00	0 00	0 00	0 00	---	0 00	0 00
	1300 00	0 00	89 48	1300 00	0 00	0 00	0 00	0 00	0 00	0 00	---	0 00	0 00
	1400 00	0 00	89 48	1400 00	0 00	0 00	0 00	0 00	0 00	0 00	---	0 00	0 00
	1500 00	0 00	89 48	1500 00	0 00	0 00	0 00	0 00	0 00	0 00	---	0 00	0 00
	1600 00	0 00	89 48	1600 00	0 00	0 00	0 00	0 00	0 00	0 00	---	0 00	0 00
	1700 00	0 00	89 48	1700 00	0 00	0 00	0 00	0 00	0 00	0 00	---	0 00	0 00
	1800 00	0 00	89 48	1800 00	0 00	0 00	0 00	0 00	0 00	0 00	---	0 00	0 00
	1900 00	0 00	89 48	1900 00	0 00	0 00	0 00	0 00	0 00	0 00	89 48M	0 00	0 00
EOB	2000 00	2 00	89 48	1999 98	1 75	0 02	1 75	1 75	89 48	2 00	89 48M	2 00	0 00
	2100 00	4 00	89 48	2099 84	6 98	0 06	6 98	6 98	89 48	2 00	89 48M	2 00	0 00
	2168 48	5 37	89 48	2168 09	12 57	0 11	12 57	12 57	89 48	2 00	---	2 00	0 00
	2200 00	5 37	89 48	2199 47	15 52	0 14	15 52	15 52	89 48	0 00	---	0 00	0 00
	2300 00	5 37	89 48	2299 03	24 88	0 23	24 88	24 88	89 48	0 00	---	0 00	0 00
	2400 00	5 37	89 48	2398 59	34 24	0 31	34 24	34 24	89 48	0 00	---	0 00	0 00
	2500 00	5 37	89 48	2498 15	43 60	0 39	43 59	43 60	89 48	0 00	---	0 00	0 00
	2600 00	5 37	89 48	2597 71	52 95	0 48	52 95	52 95	89 48	0 00	---	0 00	0 00
	2700 00	5 37	89 48	2697 27	62 31	0 56	62 31	62 31	89 48	0 00	---	0 00	0 00
	2800 00	5 37	89 48	2796 84	71 67	0 65	71 67	71 67	89 48	0 00	---	0 00	0 00
	2900 00	5 37	89 48	2896 40	81 03	0 73	81 02	81 03	89 48	0 00	---	0 00	0 00
	3000 00	5 37	89 48	2995 96	90 39	0 82	90 38	90 39	89 48	0 00	---	0 00	0 00
	3100 00	5 37	89 48	3095 52	99 74	0 90	99 74	99 74	89 48	0 00	---	0 00	0 00
	3200 00	5 37	89 48	3195 08	109 10	0 99	109 10	109 10	89 48	0 00	---	0 00	0 00
	3300 00	5 37	89 48	3294 64	118 46	1 07	118 46	118 46	89 48	0 00	---	0 00	0 00
	3400 00	5 37	89 48	3394 20	127 82	1 16	127 81	127 82	89 48	0 00	---	0 00	0 00
	3500 00	5 37	89 48	3493 76	137 18	1 24	137 17	137 18	89 48	0 00	---	0 00	0 00
	3600 00	5 37	89 48	3593 33	146 54	1 33	146 53	146 54	89 48	0 00	---	0 00	0 00
	3700 00	5 37	89 48	3692 89	155 89	1 41	155 89	155 89	89 48	0 00	---	0 00	0 00
	3800 00	5 37	89 48	3792 45	165 25	1 50	165 25	165 25	89 48	0 00	---	0 00	0 00
	3900 00	5 37	89 48	3892 01	174 61	1 58	174 60	174 61	89 48	0 00	---	0 00	0 00
	4000 00	5 37	89 48	3991 57	183 97	1 67	183 96	183 97	89 48	0 00	---	0 00	0 00
	4100 00	5 37	89 48	4091 13	193 33	1 75	193 32	193 33	89 48	0 00	---	0 00	0 00

	4200 00	5 37	89 48	4190 69	202 68	1 84	202 68	202 68	89 48	0 00	---	0 00	0 00
	4300 00	5 37	89 48	4290 25	212 04	1 92	212 03	212 04	89 48	0 00	---	0 00	0 00
	4400 00	5 37	89 48	4389 81	221 40	2 00	221 39	221 40	89 48	0 00	---	0 00	0 00
	4500 00	5 37	89 48	4489 38	230 76	2 09	230 75	230 76	89 48	0 00	---	0 00	0 00
	4600 00	5 37	89 48	4588 94	240 12	2 17	240 11	240 12	89 48	0 00	---	0 00	0 00
	4700 00	5 37	89 48	4688 50	249 48	2 26	249 47	249 48	89 48	0 00	---	0 00	0 00
	4800 00	5 37	89 48	4788 06	258 83	2 34	258 82	258 83	89 48	0 00	---	0 00	0 00
	4900 00	5 37	89 48	4887 62	268 19	2 43	268 18	268 19	89 48	0 00	---	0 00	0 00
	5000 00	5 37	89 48	4987 18	277 55	2 51	277 54	277 55	89 48	0 00	---	0 00	0 00
	5100 00	5 37	89 48	5086 74	286 91	2 60	286 90	286 91	89 48	0 00	---	0 00	0 00
	5200 00	5 37	89 48	5186 30	296 27	2 68	296 25	296 27	89 48	0 00	---	0 00	0 00
	5300 00	5 37	89 48	5285 86	305 62	2 77	305 61	305 62	89 48	0 00	---	0 00	0 00
	5400 00	5 37	89 48	5385 43	314 98	2 85	314 97	314 98	89 48	0 00	---	0 00	0 00
	5500 00	5 37	89 48	5484 99	324 34	2 94	324 33	324 34	89 48	0 00	---	0 00	0 00
	5600 00	5 37	89 48	5584 55	333 70	3 02	333 69	333 70	89 48	0 00	---	0 00	0 00
	5700 00	5 37	89 48	5684 11	343 06	3 11	343 04	343 06	89 48	0 00	---	0 00	0 00
	5800 00	5 37	89 48	5783 67	352 42	3 19	352 40	352 42	89 48	0 00	---	0 00	0 00
	5900 00	5 37	89 48	5883 23	361 77	3 28	361 76	361 77	89 48	0 00	---	0 00	0 00
	6000 00	5 37	89 48	5982 79	371 13	3 36	371 12	371 13	89 48	0 00	---	0 00	0 00
	6100 00	5 37	89 48	6082 35	380 49	3 44	380 47	380 49	89 48	0 00	---	0 00	0 00
	6200 00	5 37	89 48	6181 92	389 85	3 53	389 83	389 85	89 48	0 00	---	0 00	0 00
	6300 00	5 37	89 48	6281 48	399 21	3 61	399 19	399 21	89 48	0 00	---	0 00	0 00
	6400 00	5 37	89 48	6381 04	408 56	3 70	408 55	408 56	89 48	0 00	---	0 00	0 00
	6500 00	5 37	89 48	6480 60	417 92	3 78	417 91	417 92	89 48	0 00	---	0 00	0 00
PBHL	6519 49	5 37	89 48	6500 00	419 75	3 80	419 73	419 75	89 48	0 00	---	0 00	0 00

COG Operating, LLC.

WELL Skelly Unit #968	FIELD Eddy County, NM	STRUCTURE Skelly Unit #968
Magnetic Parameters Model IGRF 2005 P/ψ 60.793° Mag Dec -8.132° D/ψ April 24, 2008 FS -93.4° N1	Surface Location Lat N32 50 7.389 Lon W103 51 37.898 Northing 667951.00 NUS Easting 645565.00 NUS	Miscellaneous Slot Skelly Unit #968 Plan Skelly Unit #968_11 NAD27 New Mexico State Plane Eastern Zone US Feet 667951.00 NUS Grid Conv +0.25697507° Scale Fact 0.999933558 TVD Ref RWB (0.00 ft above) Srvy Date April 24, 2008

