Form 3160-4 (August 2007)

## UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT



" Mary Mary 13 St. of "

OCD-ARTESIA

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

1. Type of Completion		WELL C	OMPLI	ETION O	RREC	OMPLI	ETION	REPC	ORT A	AND L	.OG		5.		se Serial 1 ILC02942			
Compared	la. Type of	Well 🛛		_	_	_	Othe	r					16	. If Ir	dian, Allo	ottee or	Tribe Name	
2 Name of Operations	b. Type of	Completion			_	Over	☐ Deepe	en C	<b>P</b> lug	Back	□ Diff.	Resvr	7	. Uni	t or CA A	greeme	nt Name and N	<del>1</del> 0.
3. Aldress   550 WT EXAS, STE 1300 FASSER TOWER						Conta	ct: KANI	CIA CA	RRILI	LO	•		8	. Lea	se Name a	and We		
MIDLAND, TX 79701   Ph. 432-685-4332   30-015-3674-00-51   Ph. 432-000   Ph. 446   Ph. 452-000   Ph. 452-000   Ph. 446   Ph. 452-000   Ph. 446   Ph. 452-000   Ph. 446   Ph. 452-000   Ph. 446   Ph. 452-000							_			(includ	e area coo	le)	9					
At surface See1 1630FN 1909FL 32.84490 N Lat, 103.97108 W Lon At top prod interval reported below At t		MIDLAND,	TX 797	01			ļ	Ph: 43	32-685	-4332	c area coc			_		30-01		<b>31</b>
At top prod interval reported below   At top prod interval reported below   At top prod interval reported below   At top and a part   At top prod interval reported below   At top and a part   At top prod interval   At top prod	4. Location	Sec 15	T17S R3	31E Mer NN	ΛP			-	ements	5)*			1			ool, or E	Exploratory	
At total depth					2.84490 I	N Lat, 10	3.97108	W Lon		NOV	252	2008	T	1. Se or	c., T., R., Area Se	M., or c 15 T1	Block and Sur 7S R31E Me	vey r NMP
13. Date 1.D. Reached   15. Date 1.D. Reached   16. Date 1.D. Reached   17.										Ocr	)_Ab	Tre d				arish		
18. Total Depth: MD	14. Date Sp	oudded				eached			Date	Complet	ed		1.1		evations (		1	
TVD													1				10-	
Commendation   Comm	18. Total D	epth:		6495	1	9. Plug I	Back T.D.			64	16	20.	Depth	Bridg	ge Plug Se			
Hole Size   Size/Grade   Wt. (#/ft.)   Top   Bottom   Stage Cementer   No. of Sks. & Slurry Vol (BBL)   Cement Top*   Amount Pulled	21. Type E	lectric & Othe	er Mechai	nical Logs R	un (Subm	it copy o	feach)		-					2	No No	Yes	(Submit analy:	sis)
Hole Size   Size/Grade   Wt. (#/ft.)   Top   Bottom   (MD)   Stage Cementer   Depth   Type of Cement   Typ										1				y? <b>∑</b>	No No	Yes	(Submit analys	sis)
17:500	23. Casing ar	nd Liner Reco	ord (Repo	rt all strings			r											
17.500	Hole Sıze	Size/Gr	ade	Wt. (#/ft.)				•					•		Cement '	Гор*	Amount Pu	lled
7.875   5.500 J-55   17.0   0   6495   1200   0   330	17.500	13.3	75 H-40	48.0						7,		$-\!\!\!\!-$	<u> </u>	$\dashv$		0		114
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 6343  25. Production Interval	11.000	8.6	25 J-55	32.0		0	1816	:			6	00				0		124
Size   Depth Set (MD)   Packer Depth (MD)   Size   Depth Set (MD)   Packer Depth (MD)   Size   Depth Set (MD)   Packer Depth (MD)	7.875	5.5	00 J-55	17.0		0	6495				12	00				0		330
Size   Depth Set (MD)   Packer Depth (MD)   Size   Depth Set (MD)   Packer Depth (MD)   Size   Depth Set (MD)   Packer Depth (MD)					ļ							+		+				
Size   Depth Set (MD)   Packer Depth (MD)   Size   Depth Set (MD)   Packer Depth (MD)   Size   Depth Set (MD)   Packer Depth (MD)						+-		·						-+				
2.875   6343   25. Producing Intervals   26. Perforation Record   26. Perforation Record   27. Perforation   26. Perfo	24. Tubing	Record			L								<del></del>			1		
26 Perforation Record   Size   No. Holes   Perf. Status				acker Depth	(MD)	Size	Depth S	et (MD)	) P	acker De	pth (MD)	) !	Size	Dep	th Set (M	D) l	Packer Depth (	(MD)
Formation			6343				1 26 Pe	erforatio	n Reco	ord								
A) YESO   5160   6350   5160 TO 5300   0.410   36   OPEN				Top		Bottom	12010					S	ize	T N	. Holes	Γ	Perf. Status	
C			ESO		5160		0				O 5300			+		OPEN		
Diagram   Diag										5160 T	O 5300				36	open		
Depth Interval   Amount and Type of Material													0.410				1	
Depth Interval		racture. Treat	ment. Cer	ment Squeez	e. Etc					5610 T	O 5810			]	36	open		
S160 TO 5300   gal gel, 70200# BASF sand, 22983# Super SL									Aı	nount an	d Type of	f Mate	rial					
S160 TO 5300   ACIDIZE W/2,500 GALS ACID FRAC W/68,500 GALS GEL, 70,200# BASF SAND, 22,983# SUPER SL.					70200# B	SF sand,	22983# S	uper SL	.,		* *			,				
Size   Test   Production   Test   Production   Test   Date   Press   Size   Production   Test   Date   Test   Production   Test   Date   Press   Size   Production   Test   Date   Test   Date   Test   Date   Test   Dil   BBL   MCF					- 141/0 500	0410.10	·D ==10	111/00 50		A 05: 5	0.000#5	.05.0	1117.00	000"	OUDED 6			
28 Production - Interval A  Date First Produced Date First Date Date First Production    Choke Size Filling Press Froduction - Interval B  Date First Date Test Date Date Date Date Date Date Production    Test Production Date Date Date Date Date Date Date Date										<u> </u>								
Produced   Date   Tested   Production   BBL   MCF   BBL   Corr API   Gravity   ELECTRIC PUMPING UNIT    Choke   Tbg   Press   Filwg   Size   Tested   Production   BBL   MCF   BBL   Gas Oil Ratio   MCF   BBL   MCF   M	28 Product			310 1.13.1.1.1					-	.20 022,	. 10,000#			20,00	.,, 00			
10/17/2008 10/20/2008 24													Pr	oductio	n Method			*****
Size  Flwg SI  Press.  Rate BBL 134  MCF BBL 815  Ratio  POW ACCEPTED FOR RECORD  ACCEPTED FO							- 1					<u>.</u> .			ELECT	RIC PUN	IPING UNIT	
28a. Production - Interval B  Date First Produced  Test Date Date First Produced  Test Date Date Date Date Date Date Date Dat										ul	Wei	II Status						
28a. Production - Interval B  Date First Produced  Test Date Date First Produced  Test Date Date Date Date Date Date Date Dat		SI			134		7	815		1619		POW		CC	EPTE	DFC	OR RECC	)RD
Produced Date Tested Production BBL MCF BBL Corr API Gravity  Choke Size Flwg SI  SI  Tested Production BBL MCF BBL Corr API Gravity  NOV 2 2 2008  MCF BBL Gas Oil Ratio  MCF BBL Ratio  MCF BBL MCF BBL GAS Oil Ratio				Ir.	Io.	10	1		lova		"12			Г				
Choke Tbg Press Csg Press Size Flwg Press Size Size Size Size Size Size Size Size													Pī	oauctib		, , , ,	วกกร	1
Size Flwg Press Rate BBL MCF BBL Ratio	Chole	The Proce	Cea	24 11:	01	Gen	10/	ar .	0000	h.ī	107-	II Status			NOV	1 4	2000	<b> </b>
(See Instructions and spaces for addutional data on reverse side)  WESLEY W. INGRAM  SETECULE I IM ENGINEER		Flwg								-11	l we	Jialus				MA	4	]
	(See Instruct		cas for ad	ditional dat	a On Pava	se side)		<u> </u>							WESL	EX W	INGRAM FNGINEE	R

70h Dec	luotio - Totasi	rol C	••••								
Date First	Test	Hours	Test	Oil	Gas	Water	Oil Gravity	Gas	Production Method		
Produeed	Date	Tested	Production	BBL	MCF	BBL	Corr API	Gravity	Production Method		
Choke Size	Tbg Press. Flwg SI	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas Oıl Ratio	Well Status			
28c, Proc	luction - Inter	/al D			<u> </u>			<u>-</u>			
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. Dispo	osition of Gas	Sold, used j	for fuel, ven	ted, etc.)	<u></u>						
	nary of Porous	Zones (Inc	clude Aquife	ers):				131	. Formation (Log) M	arkers	
Show tests,	all important	zones of po	orosity and o	ontents the	reof: Cored ne tool oper	intervals and a, flowing and	all drill-stem d shut-in pressure		(3)		
	Formation		Тор	Bottom		Description	ns, Contents, etc.		Name		Top Meas, Depti
YATES QUEEN GRAYBU SAN AND YESO			1900 2800 3250 3600 5200						YATES QUEEN GRAYBURG SAN ANDRES YESO		1900 2800 3250 3600 5200
32. Addi Logs	tional remarks will be maile	(include p	lugging prod	cedure):							/
										•	
i. El	e enclosed atta ectrical/Mecha andry Notice f	anical Logs	•	• /		Geologic     Core Ana	-	3. DS' 7 Otho	Γ Report er:	4. Direction	onal Survey
34. I here	eby certify tha	t the forego	-			-	by the BLM We		ailable records (see	attached instru	ctions):
				For	r COG OP	ERATING L	LC, sent to the	Carisbad	09KMS0370SE)		
Name	e(please print)	KANICIA	CARRILLO	)			Title Pf	REPARER			
							D . 44	(40/000			~
Signa	ature	(Electron	ic Submiss	ion)			Date 11	/19/2008			

## Additional data for transaction #64925 that would not fit on the form

## 26. Perforation Record, continued

Perf Interval	Size	No. Holes	Perf Status
5880 TO 6080		36	open
5880 TO 6080	0.410	36	ÓPEN
6150 TO 6350		48	open
6150 TO 6350	0.410	48	OEPN

## 27. Acid, Fracture, Treatment, Cement Squeeze, etc., continued

<b>Depth Interval</b> 5610 TO 5810 5610 TO 5810	Amount and Type of Material gal gel, 145500# BASF sand, 29834# Super SL. gal acid
5880 TO 6080 5880 TO 6080 5880 TO 6080	gal gel, 150400# BASFsand, 31745# Super SL sand gal acid ACIDIZE W/3,500 GALS ACID. FRAC W/123,392 GALS GEL, 150,400# BASF SAND, 31,745# SUPER SL.
6150 TO 6350 6150 TO 6350 6150 TO 6350	ACIDIZE W/4,000 GALS ACID. FRAC W/123,268 GALS GEL, 146,600# BASF SAND, 28,944# SUPER SL. gal acid gal gel, 146600# BASF sand, 28944# super SL,



PO Box 1370 Artesia, NM 88211-1370 (575) 748-1288

September 30, 2008

COG, LLC Fasken Center, Tower II 550 West Texas Ave, Suite 1300 Midland, TX 79701

RE:

Skelly Unit #997 1650' FNL & 990' FEL Sec. 15, T17S, R31E Eddy County, New Mexico

Dear Sir,

The following is the Deviation Survey for the above captioned well.

DEPTH	DEGRATION		
	DEVIATION	DEPTH	DEVIATION
250.00	0.25	4121,00	
895.00	0.75		1.00
1394.00	1.00	<del>44</del> 38.00	0.50
		4681.00	1.50
2071.00	1.00	5034.00	1.50
2316.00	0.50		
2662.00	0.75	5418.00	0.50
		5600.00	1.00
3173.00	1.00	5900.00	1.00
3480.00	1.00		- <del>-</del>
3829.00		6262.00	0.50
3023.00	1.50	6495.00	1.00

Very truly yours,

Eddie C. LaRue

Operations Manager

State of New Mexico }
County of Eddy }

The foregoing was acknowledged before me this 30th day of September, 2008.

Notary Public



District 1 Form C-102 State of New Mexico 1625 N. French Dr., Hobbs, NM 88240 Revised October 12, 2005 Energy, Minerals & Natural Resources Department District II Submit to Appropriate District Office 1301 W. Grand Avenue, Artesia, NM 88210 OIL CONSERVATION DIVISION State Lease- 4 Copies District III 1220 South St. Francis Dr. 1000 Rio Brazos Rd., Aztec, NM 87410 Fee Lease-3 Copies District IV Santa Fe, NM 87505 1220 S. St. Francis Dr., Santa Fe, NM 87505 AMENDED REPORT WELL LOCATION AND ACREAGE DEDICATION PLAT API Number Pool Code Pool Name 30-015-36474 26770 Fren: Glorieta-Yeso Property Code Property Name Well Number SKELLY UNIT 997 305607 OCRID No. Operator Name Devation 229137 COG OPERATING LLC. 3893.7 Surface Location UL or lot no. Section Range East/West line Township Lot Idn Feet from the North/South line Feet from the Н 17 SOUTH 31 EAST, N.M.P.M. 15 1650 NORTH EAST 990' Bottom Hole Location If Different From Surface UL or lot no. Section Township Lot Idn | Feet from the North/South line | Feet from the East/West line Consolidation Code Order No. Dedicated Acres Joint or Infill 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 OPERATOR CERTIFICATION SURFACE LOCATION
NEW MEXICO EAST
NAD 1927
Y=668628.9
X=647961.6 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. 990' Sianature Kanicia Carrillo Printed Name

SURVEYOR CERTIFICATION

hs plotted from surveys made b shown or aade by me or

County

**EDDY** 

County

Date A SOFTER SON AL Signatur

WO# 080510WL-f (KA)