

30-015-370 85

Form 3160-14b
(April 1987)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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FEDERAL

INDIVIDUAL WELL RECORD

Sec. 15
T 17S
R 31E
Mer NMP
Ref. No. _____

Date 17 November 2009

State NM
Lease No NMLC029420A - County EDDY
Lessee _____ Field FREN
Operator COG OPERATING LLC Unit/CA (NONE)
Well Name & No SKELLY UNIT-640 District CARLSBAD FIELD OFFICE
A.P.I. Well No. 300153708500X1 Subdivision SENE
Location 2120FNL and 365FEL
Bond (NONE) Right of Way (NONE)
Date Drilling Approved 05/19/2009 Well Elevation _____
Date Drilling Commenced 09/01/2009 Total Depth (missing)
Date Drilling Ceased _____ Initial Production (no test recorded)
Date Completed for Production _____ Gravity A.P.I. 0.00
Date Abandonment Approved (Final) _____ Initial Reservoir Pressure 0.00

GEOLOGIC FORMATIONS

PRODUCTIVE HORIZONS

SURFACE	LOWEST TESTED	NAME	DEPTHS	CONTENTS
<u>(unspecified)</u>	<u>(unspecified)</u>	<u>GLORIETA-YESO</u>	<u>(missing)</u>	<u>(missing)</u>

Surface Management Agency BLM
Mineral Ownership 100.00
Lease Expiration _____

WELL STATUS

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2009			APD		AAPD			LOC	DRG			

First Prod. Memo _____ Lease Ext Memo _____ Confirmation _____

REMARKS

DATE TYPE REMARK

Well Name & No.: SKELLY UNIT-640

Size of Hole	Size of Casing	Weight per Foot	Grade	Setting Depth	Quantity of Cement
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[illegible]

EC Well Completion Producing Intervals

PRODUCING INTERVALS

Intvl	Operator-Submitted Formation Name	BLM Revised Formation Name	Top	Bottom
A	PADDOCK	PADDOCK	5160	5270
B	BLINEBRY	BLINEBRY	5720	5920
C	BLINEBRY	BLINEBRY	5990	6190
D	BLINEBRY	BLINEBRY	6260	6460

PRODUCTION RATE TEST

Intvl	First Prod Date	Production Method	Well Status	Disposition of Gas
A	11/14/2009	ELECTRIC PUMPING UNIT	POW	SOLD
Test Date 11/14/2009 Hours Tested 24				
Choke Size (in)		Oil (BBL) 23.0	24-Hour Oil 23	Oil Gravity 38.1 (Corr)
Flow Tubing Pres (psig) 70		Gas (MCF) 17.0	24-Hour Gas 17	Gas Gravity 0.6
SI Tubing Pres (psig)		Water (BBL) 209.0	24-Hour Water 209	
Casing Pressure (psig) 70.0		Gas : Oil Ratio		

EC Casing/Cementing

CASING AND LINER RECORD

Hole Size	Casing Size	Grade	Wt/Ft	Top	Bottom	Stage Cement Depth	# Sacks Cement	Slurry Volume (BBL)	Cement Top	Casing Amount Pulled
17.500	13.375	H40	48.00	0	535		475		0	
11.000	8.625	J55	32.00	0	1845		600		0	
7.875	5.500	J55	17.00	0	6815		1200		0	

TUBING

PERFORATIONS

Size	Bottom	Packer Set (MD)	Top	Bottom	# of Holes	Hole Size	Shot Density / Perf Status
2.875	6192		5160	5270	36	0.41	OPEN
			5720	5920	36	0.41	OPEN
			5990	6190	36	0.41	OPEN
			6410	6610	24	0.41	OPEN

ACID/FRACTURE/TREATMENT/CEMENT SQUEEZE, etc

Top	Bottom	Treatment and Materials Used / Description
5160	5270	ACIDIZE W/3,000 GALS 15% ACID
5160	5270	FRAC W/100,151 GALS GEL, 95,860# 16/30 OTTAWA SAND, 9,759# 16/30 SIBERPROP.
5720	5920	ACIDIZE W/3,500 GALS 15% ACID.
5720	5920	FRAC W/ 124,935 GALS GEL, 146,603# 16/30 OTTAWA SAND, 31,398# 16/30 SIBERPROP.

EC Well Completion Zone/Marker

SUMMARY OF POROUS ZONES

Operator-Submitted Formation Name	BLM Revised Formation Name	Top	Bottom	Description, Contents, Lithology, etc
YATES	YATES	1846		DOLOMITE & SAND
QUEEN	QUEEN	2789		SAND
SAN ANDRES	SAN ANDRES	3537		DOLOMITE & ANHYDRITE
GLORIETA	GLORIETA	5062		SAND & DOLOMITE
YESO	YESO	5120 -		DOLOMITE & ANHYDRITE
TUBB	TUBB	6549		SAND

GEOLOGIC MARKERS

Operator-Submitted Formation Name	BLM Revised Formation Name	Top (MD)
DOLOMITE & SAND		1846
SAND		2789
DOLOMITE & ANHYDRITE		3537
SAND & DOLOMITE		5062
DOLOMITE & ANHYDRITE		5120
SAND		6549