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: **NMLC -054988B**

1a Type of Well: ☐ Oil Well ☐ Gas Well ☐ Dry ☑ Other
b Type of Completion: ☐ New Well ☑ Work Over ☐ Deepen ☐ Plug Back ☐ Diff Resvr,
Other **Convert to Injection well**

6 If Indian, Allottee or Tribe Name: ---

7 Unit or CA Agreement Name and No

2 Name of Operator: **COG Operating LLC**

8 Lease Name and Well No: **Jenkins B Federal #17R**

3 Address: **550 W. Texas, Suite 1300, Midland, TX 79701**

3a Phone No *(include area code)*: **432-685-4332**

9 API Well No: **30-015-34138**

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

At surface: **330' FNL & 1525' FWL, Unit C**

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At top prod interval reported below

At total depth

10 Field and Pool, or Exploratory: **Loco Hills;Paddock**

11 Sec, T, R, M, on Block and Survey or Area: **Sec 20, T17S, R30E**

12 County or Parish: **Eddy**

13 State: **NM**

14 Date Spudded: **11/16/2006**

15 Date T D Reached: **11/30/2006**

16 Date Completed: ☐ D & A ☑ Ready to Prod **09/05/2007**

17 Elevations (DF, RKB, RT, GL)*: **3638' GL**

18 Total Depth: MD **4697** TVD

19 Plug Back T D: MD **4697** TVD

20 Depth Bridge Plug Set: MD **None** TVD

21 Type Electric & Other Mechanical Logs Run (Submit copy of each)

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
17-1/2	13-3/8	48		448		448 sx Cl C		Surface	
12-1/4	8-5/8	24		1047		750 sx Cl C		Surface	
7-7/8	5-1/2	17		4726		940 sx Cl C		Surface	

24 Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-7/8	4654		2-7/8	4204	4204			

25 Producing Intervals / 26 Perforation Record

	Formation	Top	Bottom	Perforated Interval	Size	No Holes	Perf Status
A)	San Andres			3018.5 - 4044		184	Closed
B)	Paddock			4268.5 - 4653		85	Open
C)							
D)							

27 Acid, Fracture, Treatment, Cement Squeeze, etc

Depth Interval	Amount and Type of Material
3018.5 - 4044	Squeezed off - See Attachment
4268.5 - 4653	2500 gal 15% Acid

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

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

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

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

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

ACCEPTED FOR RECORD
/S/ DAVID R. GLASS
SEP 20 2007
DAVID R. GLASS
PETROLEUM ENGINEER

Jenkins B Federal #17R
API#: 30-015-34138
EDDY, NM

3160-4 (#27) ADDITIONAL INFORMATION

27 ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
3018.5 - 4044	SICP - 40 psi. Blow down. PU cement retainer TIH on tbg. Set @ 3,685' Establish injection rate of vacuum @ 5 bpm Pump 40 bbls LSW. Mix 300 sacks Class C plus additives @ 14 8#/gal Displace tbg w LSW @ 1 bpm, Squeeze to 900 psi. Sting out of retainer. TOOH. PU 2nd retainer. TIH. Set retainer @ 3,301'. Mix 300 sacks Class C plus additives @ 14 8#/gal. Displace tbg w LSW @ < 1 bpm, No pressure, overflush cement retainer 20 bbl. SI for re-squeeze. SICP - 40 psi. SITP - 0. Establish injection rate via tbg of vacuum @ 4 bpm. Pump 40 bbls LSW. Mix 125 sacks Class C plus additives @ 14.8#/gal. Squeeze to 2,000 psi with 50 sks below retainer. Sting out of retainer. Drop 75 sack balanced plug across top perforations. TOOH, LD stinger. Pump 50 bbls LSW via csg. Hold 1,600 psi on casing for 1 hr. PU 4 3/4" bit. Tag cement top @ 2,900' Circ casing, TOOH. PU 4 3/4" bit, sub, 4 - 3 1/8" DCs, XO, 1,200' of tbg. SIFN

27 ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
4268.5 - 4653	SICP - 0. PU packer, TIH to 4,175'. Load and pressure annulus to 500 psi. Pump 2,500 gal 15% HCl carrying 150 7/8" 1.3 SG RCN ballsealers. Pump @ 5 bpm, on vacuum. Pump 36 bbls flush plus 40 bbls overflush Caught pressure to 1,700 psi @ 5 bpm with 20 bbl overflush left. ISDP - 1,000 psi. 3 min - vacuum. Release packer, PU tbg to knock balls off perforations. LD all 2 7/8" tbg. PU PC WLRG, PC AS1X packer, PC 2.25" SN, 134 jts PC 2 7/8" tbg. Set packer @ 4,204' (EOT) in 12K tension. Load and pressure annulus. ND BOP NU wellhead. Schedule MIT test.