Form 3160-4
(August 2007)

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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO 1004-0137
Expires July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5 Lease Serial No.: LC-066126-C

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

6 If Indian, Allottee or Tribe Name:

7. Unit or CA Agreement Name and No.:

2 Name of Operator: Burk Royalty Co., LTD.

8 Lease Name and Well No.: Cruces Federal #3

3 Address: P O Box 94903, Wichita Falls, Tx 76308

3a. Phone No (include area code): 940-397-8600

9. API Well No.: 30-025-02459

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

At surface: 330 FSL, 1655' FWL, SEC 26, T20S, R34E

10 Field and Pool or Exploratory: Lynch Yates Seven Rivers

11 Sec , T , R , M., on Block and Survey or Area: Sec 26, T20S, R34E

At top prod. interval reported below

At total depth

12. County or Parish: Lea

13. State: NM

14. Date Spudded	15. Date T.D Reached	16. Date Completed	17. Elevations (DF, RKB, RT, GL)*
07/18/1957	07/31/1957	☐ D & A ☑ Ready to Prod.	3725 GL; 3736 RKB

18 Total Depth.	19. Plug Back T D..	20. Depth Bridge Plug Set.
MD 3730 TVD	MD 3730 TVD	MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
GAMMA RAY NEUTRON

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
12 1/4	8 5/8	24	0	175		125 REG	26	SURFACE	CIRC 30 SXS
7 7/8	5 1/2	14	0	3693		315 40% Diacel	267	Surface	Circ
						150 sxs Reg			

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 3/8	3406	3406						

25. Producing Intervals / 26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No Holes	Perf Status
A) Yates	3509	3629	3509-3560		102	Open
B)			3601-3629		56	Open
C)						
D)						

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

Depth Interval	Amount and Type of Material
3509-3629	1000 gals 15% NEFE

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

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

ACCEPTED FOR RECORD
OCT 14 2010
BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE
EG 10-19-10

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

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

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

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

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

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
Yates	3509	3629	Producing Formation		

32. Additional remarks (include plugging procedure)

Filed to run liner as requested by BLM

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 Well Schematic

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)* Jon H. Bear Title Engineer

Signature Date 06/18/2010

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.

(Continued on page 3)

FIELD: _____ WELL NAME: Cruces Federal - 003 FORMATION: Seven Rivers

		SEC: 26	GL: 3731	STATUS:	WIW
SURVEY:	T20S-R34E	COUNTY: Lea	KB to GL: 5	API NO:	3002502459
FSL	330'	STATE: NM		Surface/Producing Lease:	LC066126C
FWL	1,655'				

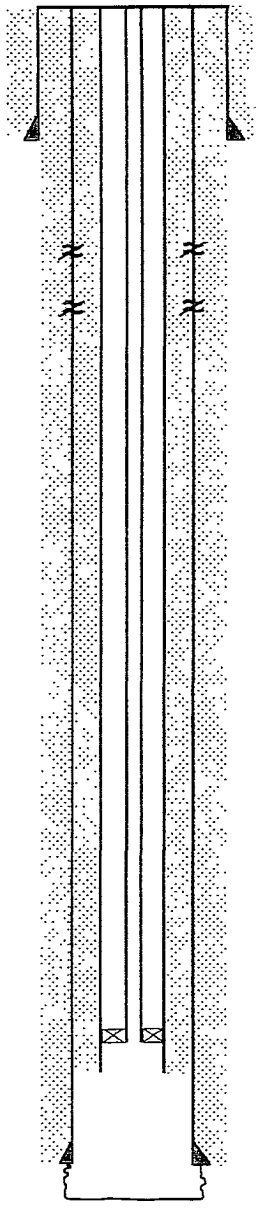
Spud Date:	7/18/1957
Max Inj Press:	1,600 psi

Surface Casing:	8 5/8" 24# CSG set @ 175' in 12.25" hole w/ 125 sks cmt
Production Casing:	5.5" 14# CSG set @ 3,693' in 7 7/8" hole w/ 465 sks cmt
Casing Liner:	4" CSG Liner set @ 3,475'
Tubing:	2 3/8" TBG to 3,450' w/ packer at same depth

4-1-2003 sqzd csg leak @ 575' - 735'.
6-14-2010 sqzd csg leak @ 589' - 622' w/ 150 sks, drill out.
6/15/2010 re-sqzd csg leak @ 589' - 622' w/ 150 sks

2-16-1990 Convert to injection. 2 BPM @ 0 psi
12-4-1996 MIT held 320 psig 15 m
4-10-2003 MIT 400 - 375 psig 30m
5-15-2003 MIT 400 - 398 psig 30m
10-29-2008 MIT 340 - 300 psig 30m
5-25-2010 MIT failed
6-3-2010 Found parted tbg & csg leak @ 3,400'
6/13/2010 sqzd csg leak @3,400' w/ 350 sks. Sqz held.

Formation Tops:	
Rustler	1,620'
Salado	1,950'
B Salt	3,415'
Yates	3,494'
Seven Rivers	3,693'



TD @ 3,730'

Prepared By: Brady Sullivan
Updated: 6-18-2010