

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Artesia

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other		6. If Indian, Allottee or Tribe Name	
b. Type of Completion <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr. Other _____		7. Unit or CA Agreement Name and No.	
2. Name of Operator CIMAREX ENERGY COMPANY OF CA		8. Lease Name and Well No. IRWIN 13 FEDERAL 3 A	
3. Address 600 NORTH MARIENFELD STREET SUITE 600 MIDLAND, TX 79701		9. API Well No. 30-015-38100-00-S1	
3a. Phone No. (include area code) Ph: 432-620-1936		10. Field and Pool, or Exploratory HACKBERRY	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface SESE 710FSL 125FEL At top prod interval reported below SESE 710FSL 125FEL At total depth SWNW 1685FNL 332FWL		11. Sec., T., R., M., or Block and Survey or Area Sec 13 T19S R30E Mer NMP	
14. Date Spudded 09/19/2011		15. Date T.D. Reached 10/31/2011	
16. Date Completed 11/02/2011		17. Elevations (DF, KB, RT, GL)* 3427 GL	
18. Total Depth. MD 14203 TVD 8758		19. Plug Back T.D.: MD 14104 TVD	
20. Depth Bridge Plug Set: MD TVD		21. Type Electric & Other Mechanical Logs Run (Submit copy of each) NONE	
22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (Submit analysis)			

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 Sk. & Type of Cement	Slurry Vol (BBL)	Cement Top*	Amount Pulled
17.500	13.375 H40	48.0	0	535		960		0	
12.250	9.625 J55	40.0	0	4005		1644		0	
8.750	5.500 P110	17.0	0	14183		2700		0	

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	8399							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No Holes	Perf. Status
A) BONE SPRING	10078	14025	10078 TO 10458	0.420	40	OPEN
B)			10582 TO 10962	0.420	40	OPEN
C)			11086 TO 11466	0.420	40	OPEN
D)			11591 TO 11977	0.420	40	OPEN

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

Depth Interval	Amount and Type of Material
10078 TO 10458	43579 GALS TOTAL FLUID; 47473# SD
10582 TO 10962	101139 GALS TOTAL FLUID; 142714# SD
11086 TO 11466	120022 GALS TOTAL FLUID; 191332# SD
11591 TO 11977	178632 GALS TOTAL FLUID; 287025# SD

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
12/05/2011	12/24/2011	24	→	477 0	692.0	629 0	39 8		ELECTRIC-PUMP-SUB-SURFACE
Choke Size	Tbg Press Flwg	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well Status	
48/64	SI	260	→	477	692	629	1450	POW	

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	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well Status	
SI			→						

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #130437 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED **

RECLAMATION
DUE 6-2-12

ACCEPTED FOR RECORD

FEB 19 2012

BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

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(Sold, used for fuel, vented, etc.)
SOLD**
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
DELAWARE BONE SPRING	4880 6380			DELAWARE BONE SPRING	4880 6380

32. Additional remarks (include plugging procedure):

additional perfs:
12103-12489' - .42, 40 holes - open
12615-13001' - .42, 40 holes - open
13127-13513' - .42, 40 holes - open
13639-14025' - .42, 40 holes - open

33. Circle enclosed attachments:

- | | | | |
|---|--------------------|---------------|-----------------------|
| 1. Electrical/Mechanical Logs (1 full set req'd.) | 2. Geologic Report | 3. DST Report | 4. Directional Survey |
| 5. Sundry Notice for plugging and cement verification | 6. Core Analysis | 7. Other | |

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

**Electronic Submission #130437 Verified by the BLM Well Information System.
For CIMAREX ENERGY COMPANY OF CO, sent to the Carlsbad
Committed to AFMSS for processing by JAMES (JIM) HUGHES on 02/09/2012 (12JLH0444SE)**

Name (please print) TERRI STATHEM

Title REGULATORY ANALYST

Signature _____ (Electronic Submission)

Date 02/08/2012

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

**** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ****

Additional data for transaction #130437 that would not fit on the form

32. Additional remarks, continued

additional frac info:

12103-12489' - 223497 gals total fluid; 368908# sd

12615-13001' - 270224 gals total fluid; 478661# sd

13127-13513' - 295636 gals total fluid; 567447# sd

13639-14025' - 353541 gals total fluid; 650560# sd