

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTNew Mexico Oil Conservation Division  
1125 N. French Drive  
Albuquerque, NM 88240FORM APPROVED  
OMB NO. 1004-0137  
Expires: January 31, 2004

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG NM 88240

1a. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Dry Other		5. Lease Serial No. NM-021097A	
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 _____		6. If Indian, Allottee or Tribe Name	
2. Name of Operator H.L.Brown Operating L.L.C. OGRID # 213179		7. Unit or CA Agreement Name and No.	
3. Address P.O. Box 2237, Midland, Texas 79702		8. Lease Name and Well No. Federal C #2	
3a. Phone No. (include area code) 432-688-3726		9. API Well No. 30 - 041 - 20910	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface 1980' FSL & 1330' FWL, Unit letter K At top prod. interval reported below At total depth		10. Field and Pool, or Exploratory Bluitt Wolfcamp (gas)	
14. Date Spudded 07/30/2006		11. Sec., T., R., M., on Block and Survey or Area Sec 4, T-8-S, R-37-E	
15. Date T.D. Reached 08/31/06		12. County or Parish Roosevelt	
16. Date Completed <input type="checkbox"/> D&A <input checked="" type="checkbox"/> Ready to Prod.		13. State NM	
17. Elevations (DF, RKB, RT, GL)* GL = 4062', KB = 4075'			

18. Total Depth: MD 8810' TVD	19. Plug Back T.D.: MD 8654' TVD	20. Depth Bridge Plug Set: MD na TVD
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) Weatherford: GR/Density/Neutron & DLL/MLL, HMI		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 report) Directional Survey? <input checked="" type="checkbox"/> No <input type="checkbox"/> 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 Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17-1/2"	13-3/8"	48#	H-40	510'	na	500 sx 'C'	120	surface	
11"	8-5/8"	24/32#	J-55	3712'	na	1250 sx 'C'	430	surface	
7-7/8"	5-1/2"	15.5/17#	JK55/N80	8703'	na	1200 sx 'H'	433	1340'	TOC by temp.

## 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", 4.7	8475'	8475'						

## 25. Producing Intervals

Formation	TOP	Bottom	Perforated Interval	Size	No. Holes
A) Wolfcamp	7979'	8660'	8582' - 8600' @ 4 SPF	0.38"	
B)					
C)					
D)					

## 26. Perforation Record

Depth Interval	Amount and Type of Material
8582' - 8600'	1000 gals 15% NEFE

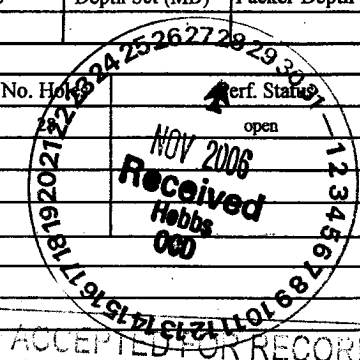
## 27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
10/03/06	10/27/06	24	<input type="checkbox"/>	15	600	3	66.8	0.771	flowing
Choke Size	Tbg. Press. Flgw. SI	Csg. Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
10/64"	1430 psi	0	<input type="checkbox"/>	15	600	3	40,000	Flowing to sales	

## 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
			<input type="checkbox"/>						
Choke Size	Tbg. Press. Flgw. SI	Call Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
			<input type="checkbox"/>						

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			<input type="checkbox"/>						
Choke Size	Tbg. Press. Flgw. SI	Call Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
			<input type="checkbox"/>						



## 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
			<input type="checkbox"/>						
Choke Size	Thg Press Flwg. SI	Csg. Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
			<input type="checkbox"/>						

## 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
			<input type="checkbox"/>						
Choke Size	Thg Press Flwg. SI	Csg. Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
			<input type="checkbox"/>						

## 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
San Andres	4336'	4684'	Dolomite with lime - sour gas and water	San Andres "Pi" marker	4200'
Wolfcamp	7979'	TD	Dolomite and lime - gas and condensate	Glorieta	5002'
				Abo	6998'
				Wolfcamp	7979'
				Granite Wash	8671'

## 32. Additional remarks (include plugging procedure):

## 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: Deviation survey and wellbore 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) Robert McNaughton

Title Operations Manager/ Petroleum Engineer

Signature

Date

10/30/06

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.

(Form 3160-4 (9/01), Page 2)

# H.L. Brown Operating, L.L.C.

## Federal C #2

1980' FSL & 1330' FWL, Unit K, Sec 4, T-8S, R-37E, Roosevelt Co, NM

Field: Bluff Wolfcamp (gas)

Lease # NM-021097 A

API # 30-041-20910

Elev: GL = 4062', KB = 4075'

Status: flowing gas

Spud: 07/30/06

Completed: 10/03/06

Last Workover:

13-3/8", 48#, H-40 @ 510'  
500 sx, circulated 162 sx  
17-1/2" hole

8-5/8", 24/32#, J-55 @ 3712'  
1250 sx, circulated 123 sx  
11" hole

5-1/2", 15.5/ 17#, J55/N80 @ 8703'  
1200 sx, TOC @ 1340' by temp.  
7-7/8" Hole

17#	surface	to	400'
15.5#	400'	to	4653'
17#	4653'	to	8703'

PBTD @ 8653'

TD @ 8810'

2-3/8", 4.6#, N-80 tubing

Arrowset 1 packer at 8475', SN @ 8444'

Wolfcamp Perfs: 8582'-86', 8597'-8600'  
@ 4 SPF, 28 holes, 1000 gals 15% NEFE