

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

FOR APPROVED

OMB NO. 1004-0137

Expires: December 31, 1994

Cons.

N.M. Div. Dist. 2

1301 W. Grand Avenue

Artesia, NM 88210

LC-058181

INDIAN ALLOTTEE OR TRIBE NAME

WELL COMPLETION OR RECOMPLETION REPORT AND LOGS

<b>1a. TYPE OF WELL:</b> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> Other <input type="checkbox"/>						<b>7. UNIT AGREEMENT NAME</b>	
<b>b. TYPE OF COMPLETION:</b> NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> Other <input type="checkbox"/>						<b>8. FARM OR LEASE NAME, WELL NO.</b> Beech Federal #2	
<b>2. NAME OF OPERATOR</b> Mack Energy Corporation						<b>9. API WELL NO.</b> 30-015-31790	
<b>3. ADDRESS AND TELEPHONE NO.</b> P.O. Box 960, Artesia, NM 88211-0960 (505) 748-1288						<b>10. FIELD AND POOL, OR WILDCAT</b> Logan Draw Wolfcamp	
<b>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*</b> At surface 1650 FSL & 1650 FEL At top prod. interval reported below At total depth						<b>11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA</b> Sec 25-T17S-R27E	
<b>14. PERMIT NO.</b>				<b>DATE ISSUED</b>		<b>12. COUNTY OR PARISH</b> Eddy	<b>13. STATE</b> NM
<b>15. DATE SPUDDED</b> 5/31/01	<b>16. DATE T.D. REACHED</b> 6/19/01	<b>17. DATE COMPL. (Ready to prod.)</b> 7/14/01		<b>18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*</b> 3591.5 RKB		<b>19. ELEV. CASING HEAD</b> 3579	
<b>20. TOTAL DEPTH, MD &amp; TVD</b> 7800		<b>21. PLUG, BACK T.D., MD &amp; TVD</b> 7752		<b>22. IF MULTIPLE COMPL., HOW MANY*</b>	<b>23. INTERVALS DRILLED BY</b> Yes	<b>ROTARY TOOLS</b> CABLE TOOLS	
<b>24. PRODUCING INTERVAL (S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)*</b> 6915'- 6988' Wolfcamp						<b>25. WAS DIRECTIONAL SURVEY MADE</b> Yes	
<b>26. TYPE ELECTRIC AND OTHER LOGS RUN</b> Gamma Ray, Neutron, Density, Lateralog, Spectral Gamma Ray						<b>27. WAS WELL CORED</b> No	
<b>28. CASING RECORD (Report all strings set in well)</b>							
<b>CASING SIZE/GRADE</b>		<b>WEIGHT, LB/FT</b>	<b>DEPTH SET (MD)</b>	<b>HOLE SIZE</b>	<b>TOP OF CEMENT, CEMENTING RECORD</b>		<b>AMOUNT PULLED</b>
8 5/8 J-55		32	395	12 1/4	350 sx		None
5 1/2 J-55		17	7800	7 7/8	500 sx		None
<b>29. LINER RECORD</b>							
<b>SIZE</b>	<b>T O P (MD)</b>	<b>BOTTOM (MD)</b>	<b>SACKS CEMENT</b>	<b>SCREEN (MD)</b>	<b>30. TUBING RECORD</b>		
					<b>SIZE</b> 2 3/8	<b>DEPTH SET (MD)</b> 6828	<b>PACKER SET (MD)</b>
<b>31. PERFORATION RECORD (Interval, size and number)</b> 6915'- 6988', .41, 20				<b>32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC</b>			
				<b>DEPTH INTERVAL (MD)</b>		<b>AMOUNT AND KIND OF MATERIAL USED</b>	
				6915'- 6988'		2000 gals 15% NEFE acid	
				6915'- 6988'			
				6915'- 6988'			
				6915'- 6988'			
<b>33. PRODUCTION</b>							
<b>DATE FIRST PRODUCTION</b> 7/21/01		<b>PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump)</b> Flowing				<b>WELL STATUS (Producing or shut-in)</b> Producing	
<b>DATE OF TEST</b> 7/21/01	<b>HOURS TESTED</b> 24	<b>CHOKE SIZE</b> None	<b>PROD'N FOR TEST PERIOD</b>	<b>OIL-BBL.</b> 102	<b>GAS-MCF.</b> 184	<b>WATER-BBL.</b> 7	<b>GAS-OIL RATIO</b> 1533
<b>FLOW. TUBING PRESS.</b>	<b>CASING PRESSURE</b>	<b>CALCULATED 24-HOUR RATE</b>	<b>OIL-BBL.</b> 102	<b>GAS-MCF.</b> 184	<b>WATER-BBL.</b>	<b>OIL GRAVITY - API GRAVITY</b>	
<b>34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)</b> Sold							
<b>35. LIST OF ATTACHMENTS</b> SEP 13 2001							
<b>36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.</b>						<b>LES BABYAK</b> <b>PETROLEUM ENGINEER</b> <b>DATE</b> 8/24/01	
<b>SIGNED</b> <i>Chris D. [Signature]</i> <b>TITLE</b> Production Analyst							

\*(See Instructions and spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes 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.

37. SUMMARY OF POROUS ZONES- (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, flowing and shut-in pressures, and recoveries):				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS.DEPTH	TRUE VERT.DEPTH
Logan Draw Wolfcamp	6915	6988		Queen	958	
				San Andreas	1726	
				Glorietta	3000	
				Tubb	4572	
				Abo	5210	
				Wolfcamp	6582	
				Cisco	7718	

OPERATOR: Mack Energy  
WELL/LEASE: Beech Fed. #2  
COUNTY: Eddy

499/304-0167

STATE OF NEW MEXICO  
DEVIATION REPORT

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396	1/4
858	1/4
1,356	1 1/4
1,831	1 1/4
2,306	3/4
2,781	3/4
3,287	1
3,731	1
4,240	1
4,805	1
5,260	1
5,760	1 1/2
6,109	2 1/2
6,223	1 3/4
6,287	2
6,413	1 3/4
6,508	1 1/2
6,604	1 1/4
6,775	1
7,124	1

By: Steve Moore

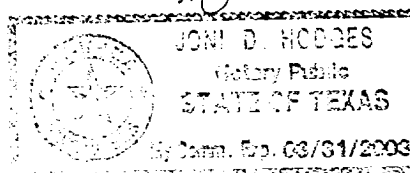
STATE OF TEXAS

COUNTY OF MIDLAND

The foregoing instrument was acknowledged before me on this 29th day of June, 2001, by Steve Moore on behalf of Patterson-UTI Drilling Company LP, LLLP.

Joni D. Hodges  
Notary Public for Midland County, Texas

My Commission Expires: 3/31/2003



OPERATOR: Mack Energy  
WELL/LEASE: Beech Fed. #2  
COUNTY: Eddy

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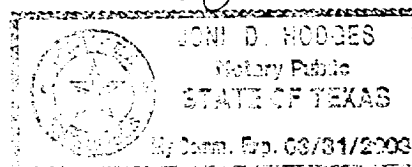
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UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

Oil Co. J.  
N.M. DIV-Dist. 2  
1301 W. Grand Avenue  
Artesia, NM 88210

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

457

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

**SUBMIT IN TRIPLICATE**

**1. Type of Well**

☒ Oil Well ☐ Gas Well ☐ Other

**2. Name of Operator**

Mack Energy Corporation

**3. Address and Telephone No.**

P.O. Box 960, Artesia, NM 88211-0960 (505)748-1288

**4. Location of Well (Footage, Sec., T. R., M. or Survey Description)**

Sec 25-T17S-R27E, 1650 FSL 1650 FEL

LC-058181

**6. If Indian, Allottee or Tribe Name**

**7. If Unit or CA, Agreement Designation**

**8. Well Name and No.**

Beech Federal #2

**9. API Well No.**

30-015-31790

**10. Field and Pool, or Exploratory Area**

Logan Draw Wolfcamp

**11. County or Parish, State**

Eddy, NM

**12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

**TYPE OF SUBMISSION**

- ☐ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment Notice

**TYPE OF ACTION**

- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other Completion
- ☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

**13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\***

07/06/2001 Drill out DV Tool @ 6156'.  
07/07/2001 Top of cement @ 5434'. POH & shoot 4 shots @ 5230'.  
07/09/2001 Cement down 5 1/2" casing w/950sx 35-65-6 1/4# CF 3# salt & 150sx 50-50-2 .5% FL-25 5# salt circ 134sx. Plug down @ 9:45 AM.  
07/10/2001 Perforate 6915'-6926' 12 holes 1 SPF & 6981'-6988' 8 holes 1 SPF.  
07/11/2001 Acidize w/2000 gals 15% HCL.  
07/12/2001 RIH w/5 1/2" 15.5-17# Baker Lok set @ 6834'. F Profile nipple @ 6830' & 218 joints 2 3/8"L-80 @ 6828'.

**14. I hereby certify that the foregoing is true and correct.**

Signed Curtis D. Cant

Title Production Analyst

Date 8/24/01

(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

Title

Date

RECEIVED

AUG 28 '01

BLM  
ROOSEVELT, NM

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

N.M. Oil Cons. Division  
811 S. 1st Street  
Artesia, NM 88210-2884

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993  
Case Designation and Serial No.

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05/31/2001 Spud at 10:30 AM.

06/01/2001 TD 12 1/4" hole, RIH w/10 joints 8 5/8" 32# ST&C J-55 395', cement w/100sx thickset and 250sx Class C 2% CaCl, circ 100sx to pit, plug down 12:15 AM. Nipple up BOP.

06/02/2001 5:30 AM (29 hours from plug down) drilling 7 7/8" hole.

06/17/2001 7800' TD 7 7/8" hole.

06/18/2001 Log well.

06/19/2001 RIH w/5 1/2" 17# LT&C J-55 set @ 7800', Cemented 1st stage w/500sx 50/50 Poz "C" 2% gel 0.8% FL 25, 0.4% BA10, 0.1% SMS, 5% salt, mixed @ 14 ppg displaced w/40 bbl FW & 140 bbl mud had 950 PSI, bump plug @ 1500 PSI, floats held OK, drop opening plug pressure up UNABLE TO OPEN DV TOOL with 4250 PSI, shut down EST TOP OF CMT 4500'. plug down 2:00 AM

06/20/2001 Release rig.

ACCEPTED FOR RECORD

JUL 2 2001

LES BABYAK  
PETROLEUM ENGINEER

**14. I hereby certify that the foregoing is true and correct**

Signed Jerry W. Sherrill

Title Production Clerk

Date 6/26/01

(This space for Federal or State office use)

Approved by \_\_\_\_\_  
Conditions of approval, if any:

Title \_\_\_\_\_

Date \_\_\_\_\_