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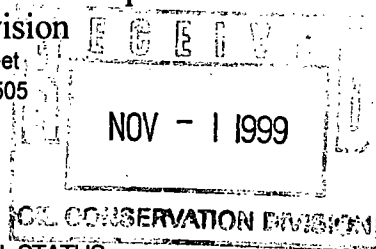
Form C-142

Date 06/99

District I - (505) 393-6161  
1625 N. French Dr  
Hobbs, NM 88241-1980  
District II - (505) 748-1283  
811 S. First  
Artesia, NM 88210  
District III - (505) 334-6178  
1000 Rio Brazos Road  
Aztec, NM 87410  
District IV - (505) 827-7131

New Mexico  
Energy Minerals and Natural Resources Department  
Oil Conservation Division  
2040 South Pacheco Street  
Santa Fe, New Mexico 87505  
(505) 827-7131

SUBMIT ORIGINAL  
PLUS 2 COPIES  
TO THE SANTA FE  
OFFICE



APPLICATION FOR NEW WELL STATUS

**I. Operator and Well**

Operator name & address Mack Energy Corporation P.O. Box 960 Artesia, NM 88211-0960						OGRID Number  013837	
Contact Party Robert C. Chase						Phone (505)748-1288	
Property Name Melrose Federal					Well Number 2	API Number 30-015-30649	
UL E	Section 23	Township 17S	Range 30E	Feet From The 1650	North/South Line North	Feet From The 330	East/West Line West County Eddy, NM

**II. Date/Time Information**

Spud Date 9/22/99	Spud Time 4:30 pm	Date Completed 10/15/99	Pool Loco Hills Paddock
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III. Attach copies of Form C-103 or Federal Form 3160-5 showing date/time of drilling commenced and Form C-105 or Federal Form 3160-4 showing well was completed as a producer.

IV. Attach a list of all working interest owners with their percentage interests.

V. AFFIDAVIT:

State of New Mexico )

County of Eddy )

ss.

Robert C. Chase, being first duly sworn, upon oath states:

- I am the Operator, or authorized representative of the Operator, of the above-referenced well.
- To the best of my knowledge, this application is complete and correct.

Signature Robert C. Chase Title Vice President Date 10/29/99

SUBSCRIBED AND SWORN TO before me this 29th day of October, 1999

My Commission expires: 12-9-99

Cassia D. Carter  
Notary Public

**FOR OIL CONSERVATION DIVISION USE ONLY:**

**VI. CERTIFICATION OF APPROVAL:**

This Application is hereby approved and the above-referenced well is designated a New Well. By copy hereof, the Division notifies the Secretary of the Taxation and Revenue Department of this Approval.

Signature <u>Mark P. Speer</u>	Title <u>P.E. Speer</u>	Date <u>DEC 14 1999</u>
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VII. DATE OF NOTIFICATION TO THE SECRETARY OF THE TAXATION AND REVENUE DEPARTMENT: 12/14/99

NOTICE: The operator must notify all working interest owners of this New Well certification.

PV2V 2007137158

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTSUBMIT IN DUPLICATE\*  
(See other in-  
struction on  
reverse side)FOR APPROVED  
OMB NO. 1004-0137  
Expires: December 31, 19915. LEASE DESIGNATION AND SERIAL NO.  
LC-060528

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG\*

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

## 1a. TYPE OF WELL:

OIL WELL ☒ GAS WELL ☐ DRY ☐ Other \_\_\_\_\_

## b. TYPE OF COMPLETION:

NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other \_\_\_\_\_

7. UNIT AGREEMENT NAME

## 2. NAME OF OPERATOR

Mack Energy Corporation

8. FARM OR LEASE NAME, WELL NO

Melrose Federal #2

## 3. ADDRESS AND TELEPHONE NO.

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

9. API WELL NO.

30-015-30649

## 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*

At surface

1650 FNL 330 FWL

At top prod. interval reported below

1650 FNL 330 FWL

At total depth

1650 FNL 330 FWL

10. FIELD AND POOL, OR WILDCAT

Loco Hills Paddock

11. SEC., T., R., M., OR BLOCK AND SURVEY  
OR AREA

Sec 23-T17S-R30E

14. PERMIT NO.

DATE ISSUED

12. COUNTY OR  
PARISH  
Eddy13. STATE  
NM

15. DATE SPUDDED

9/22/99

16. DATE T.D. REACHED

10/3/99

17. DATE COMPL. (Ready to prod.)

10/15/99

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\*

3680 RKB

19. ELEV. CASING HEAD

3668

20. TOTAL DEPTH, MD &amp; TVD

5185

21. PLUG, BACK T.D., MD &amp; TVD

5151

22. IF MULTIPLE COMPL.,  
HOW MANY\*23. INTERVALS  
DRILLED BY

ROTARY TOOLS

Yes

CABLE TOOLS

24. PRODUCING INTERVAL (S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)\*

4534-4837 Paddock

25. WAS DIRECTIONAL  
SURVEY MADE

Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN

Gamma Ray, Neutron, Density, Lateralog, Spectral Gamma Ray

27. WAS WELL CORED

No

## 28.

## CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
13 3/8 K-55	54	474	17 1/2	450 sx	None
8 5/8 J-55	24	1121	12 1/4	475 sx	None
5 1/2 J-55	17	5164	7 7/8	1200 sx	None

## 29.

## LINER RECORD

SIZE	T O P (MD)	BOTTOM (MD)	SACKS CEMENT	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 7/8	4860	

## 30. TUBING RECORD

31. PERFORATION RECORD (Interval, size and number)

4534-4837, 1/2, 59

## 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
4534-4837	2500 gals 15% NEFE acid
4534-4837	32000 gals 20% HCL acid
4534-4837	54000 gals 40# gel

## 33.

## PRODUCTION

DATE FIRST PRODUCTION

10/21/99

PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump)

pumping 2 1/2 x 2 x 20" HVR

WELL STATUS (Producing or shut-in)

Producing

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL-BBL.	GAS-MCF.	WATER-BBL.	GAS-OIL RATIO
10/28/99	24	None		88	91	425	1034
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL-BBL.	GAS-MCF.	WATER - BBL.	OIL GRAVITY - API (CORR.)	
			88	91	425		38

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Sold

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

TITLE

Production Analyst

DATE

10/29/99

\*(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.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OPERATOR'S COPY

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

LC-060528

**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 23-T17S-R30E 1650 FNL & 330 FWL

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

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

**8. Well Name and No.**

Melrose Federal #2

**9. API Well No.**

30-015-30649

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

Loco Hills Paddock

**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 Spud & Cement Casings  
☐ 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 )\***

9/22/1999 Spud 4:30pm called BLM.

9/23/1999 TD well at 4:30am @ 477', RIH with 11 jts 13 3/8" 54# ST&C Csg, set at 472', BJ C/w 450sx Class C 2% CaCl, plug down 7:30am 8yds to fill, (Gene Hunt BLM witness both cement and ready mix job). WOC 12 hours.

9/25/1999 TD 12 1/4" hole 9:00am, Ran 28 jts 8 5/8" 24# K-55 1207' set at 1221', C/w 275sx 35/65 Lite 6%gel, 6#salt, 1/4# CF, tailed in with 200sx Class C 2% CaCl, plug down 2:30pm circ 70sx.

10/03/1999 TD well at 5185' at 4:30pm.

10/04/1999 RIH with 124 jts 5 1/2" 17# LT&C casing 5152' set at 5164', DV tool at 4279', Marker Jt @ 4611', 10.04' shoe jt with 20jt 17# sandblasted, circ casing, rig up BJ Service.

10/05/1999 Cemented 1st Stage w/250sx 50/50 Poz C 2%gel 5/10% FL25 5#salt, plug down 3:00am, open DV tool circ 91sx to pit, WOC 6hours, Cemented 2nd stage w/700sx 35/65 Lite 6%Gel, 1/4# CF 3#salt tail 250sx 50/50 Poz C 2%gel 5/10%FL25 5#salt, circ 134sx to pit, plug down 10:30am, release rig.

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

Signed Crisis D. Cate

Title

Production Analyst

Date

10/14/99

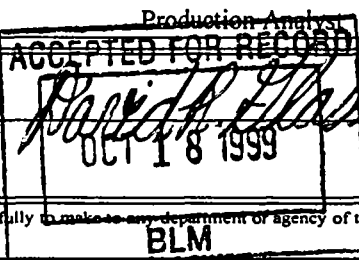
(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

Title

Date



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.

\*See Instruction on Reverse Side

PROPERTY	DOI	MO/YR	PROPERTY NAME	OWNER SQ	OWNER NAME	INTEREST	INTEREST TYPE	LAST CHANGE
001303	002	J1	06/98	MELROSE	FEDERAL 2			
				999101	00 CHASE OIL CORPORATION	.65000000	1 WOR	3/09/99
				999104	00 RICHARD L. CHASE	.03000000	1 WOR	3/09/99
				999105	00 GERENE DIANNE CHASE CROUCH	.02000000	1 WOR	3/09/99
				999106	00 ROBERT C. CHASE	.05000000	1 WOR	3/09/99
				999107	00 MACK C. CHASE TRUST	.25000000	1 WOR	3/09/99
					TOTAL INTEREST	1.00000000		