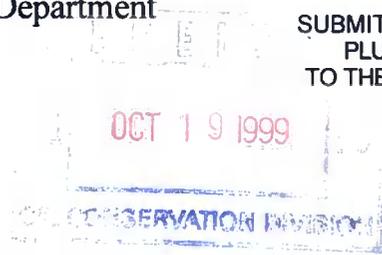


District I - (505) 393-6161  
1625 N. French Dr  
Hobbs, NM 88241-1980  
District II - (505) 748-1283  
811 S. First  
Artesia, NM 88210  
District III - (505) 334-6178  
1000 Rio Brazos Road  
Aztec, NM 87410  
District IV - (505) 827-7131

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		Shawnee Federal		Well Number		API Number		30-015-30628	
UL	Section	Township	Range	Feet From The	North/South Line	Feet From The	East/West Line	County	
J	15	17S	30E	1650	South	2310	East	Eddy, NM	

II. Date/Time Information

Spud Date	Spud Time	Date Completed	Pool
7/9/99	3:00pm	8/9/99	Loco Hills Paddock

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 [Signature] Title Vice President Date 9/3/99

SUBSCRIBED AND SWORN TO before me this 3rd day of September, 1999

My Commission expires: 12-9-99 [Signature]  
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	Title	Date

VII. DATE OF NOTIFICATION TO THE SECRETARY OF THE TAXATION AND REVENUE DEPARTMENT: \_\_\_\_\_

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

Form 3160-5  
(June 1990)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**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

5. Lease Designation and Serial No.

LC-029020-L

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Shawnee Federal #1

9. API Well No.

30-015-30628

10. Field and Pool, or Exploratory Area

Loco Hills Paddock

11. County or Parish, State

Eddy, NM

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 988211-0960

505-748-1288

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

Sec. 15-T17S-R30E 1650 FSL & 2310 FEL

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

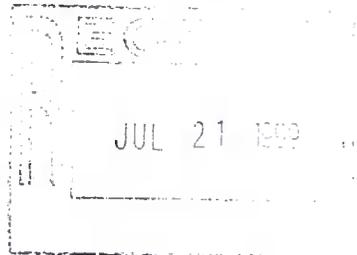
TYPE OF ACTION

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 )\*

7/09/99 Spud 17 1/2" hole @ 3:00PM (Called BLM Carlsbad) lost circ 69'.  
7/10/99 TD 17 1/2" hole @ 440' 2:00AM, (called J.Amos BLM) drilling with no returns to 414' full returns lost circ 428', regain full returns at TD 440', circ hole 30 min POH, RIH with 13 joints 13 3/8" 54# ST&C K-55 casing, Set @ 435', BJ Cement w/100 gals gel ahead & 550sx Class C 2% CaCl, circ 155sx, plug down 1:00PM.  
7/11/99 TD 12 1/4" hole @ 1213' 6:45 PM, RIH with 27 joints 8 5/8" 24# ST&C J-55, set at 1206', BJ Cement w/ 400sx 35/65 6%Gel, 6# salt, 1/4# CF, & 200sx Class C 2% CaCl, plug down 10:45PM (circ 110sx).



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

Signed Cristina D. Carter

Title Production Analyst

Date 7/15/99

(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.

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE (See other instruction on reverse side)

FOR APPROVED OMB NO. 1004-0137 Expires: December 31, 1991

6. LEASE DESIGNATION AND SERIAL NO. LC-029020-L

WELL COMPLETION OR RECOMPLETION REPORT AND LOG\*

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

1a. TYPE OF WELL: OIL WELL [X] GAS WELL [ ] DRY [ ] Other [ ]
b. TYPE OF COMPLETION: NEW WELL [X] 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. Shawnee Federal #1

3. ADDRESS AND TELEPHONE NO. P.O. Box 960, Artesia, NM 88211-0960 (505) 748-1288

9. API WELL NO. 30-015-30628

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*
At surface 1650 FSL 2310 FWL
At top prod. interval reported below 1650 FSL 2310 FWL
At total depth 1650 FSL 2310 FWL

10. FIELD AND POOL, OR WILDCAT Loco Hills Paddock

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec 15 T17S R30E

14. PERMIT NO. DATE ISSUED 12. COUNTY OR PARISH Eddy 13. STATE NM

15. DATE SPUNDED 7/9/99 16. DATE T.D. REACHED 7/21/99 17. DATE COMPL. (Ready to prod.) 8/9/1999 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* 3709 RKB 19. ELEV. CASING HEAD 3697

20. TOTAL DEPTH, MD & TVD 5076 21. PLUG, BACK T.D., MD & TVD 4872 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)\* 4467-4829 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) Table with columns: CASING SIZE/GRADE, WEIGHT, LB./FT, DEPTH SET (MD), HOLE SIZE, TOP OF CEMENT, CEMENTING RECORD, AMOUNT PULLED

29. LINER RECORD Table with columns: SIZE, TOP (MD), BOTTOM (MD), SACKS CEMENT, SCREEN (MD)
30. TUBING RECORD Table with columns: SIZE, DEPTH SET (MD), PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number) 4467-4829, 1/2, 83
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC Table with columns: DEPTH INTERVAL (MD), AMOUNT AND KIND OF MATERIAL USED

33. PRODUCTION Table with columns: DATE FIRST PRODUCTION, PRODUCTION METHOD, WELL STATUS, DATE OF TEST, HOURS TESTED, CHOKER SIZE, PROD'N FOR TEST PERIOD, OIL-BBL., GAS-MCF., WATER-BBL., GAS-OIL RATIO

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 [Signature] TITLE Production Analyst DATE 9/3/1999

\*(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, time tool open, flowing and shut-in pressures, and recoveries):

38. GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS.DEPH	TRUE VERT.DEPH
Loco Hills Paddock	4440	4826		Queen	2182	
				San Andres	2896	
				Glorietta	4369	

PROPERTY	DOI	MO/YR	PROPERTY NAME	OWNER SQ	OWNER NAME	INTEREST	INTEREST TYPE	LAST CHANGE
001725	001	J1	01/98	SHAWNEE	FEDERAL 1			
				006172	00 THE HOMESTAKE OIL & GAS CO.	.06250000	1 WOR	6/24/99
				999101	00 CHASE OIL CORPORATION	.60937500	1 WOR	6/24/99
				999104	00 RICHARD L. CHASE	.02812500	1 WOR	6/24/99
				999105	00 GERENE DIANNE CHASE CROUCH	.01875000	1 WOR	6/24/99
				999106	00 ROBERT C. CHASE	.04687500	1 WOR	6/24/99
				999107	00 MACK C. CHASE TRUST	.23437500	1 WOR	6/24/99
					TOTAL INTEREST	1.00000000		

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 Shawnee Federal					Well Number 1	API Number 30-015-30628		
UL J	Section 15	Township 17S	Range 30E	Feet From The 1650	North/South Line South	Feet From The 2310	East/West Line East	County Eddy, NM

II. Date/Time Information

Spud Date 7/9/99	Spud Time 3:00pm	Date Completed 8/9/99	Pool Loco Hills Paddock
---------------------	---------------------	--------------------------	----------------------------

- 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 9/3/99

SUBSCRIBED AND SWORN TO before me this 3rd day of September, 1999

My Commission expires: 12-9-99 Notary Public Cressie D Carter

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	Title	Date
-----------	-------	------

VII. DATE OF NOTIFICATION TO THE SECRETARY OF THE TAXATION AND REVENUE DEPARTMENT: \_\_\_\_\_

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

Form 3160-5  
(June 1990)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

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

5. Lease Designation and Serial No.

LC-029020-L

6. If Indian, Allottee or Tribe Name

7. If Unit or CA. Agreement Designation

8. Well Name and No.

Shawnee Federal #1

9. API Well No.

30-015-30628

10. Field and Pool, or Exploratory Area

Loco Hills Paddock

11. County or Parish, State

Eddy, NM

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 988211-0960

505-748-1288

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

Sec. 15-T17S-R30E 1650 FSL & 2310 FEL

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

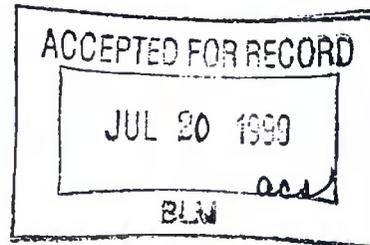
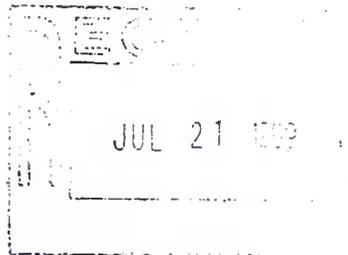
TYPE OF ACTION

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)\*

7/09/99 Spud 17 1/2" hole @ 3:00PM (Called BLM Carlsbad) lost circ 69'.  
7/10/99 TD 17 1/2" hole @ 440' 2:00AM, (called J.Amos BLM) drilling with no returns to 414' full returns lost circ 428', regain full returns at TD 440', circ hole 30 min POH, RIH with 13 joints 13 3/8" 54# ST&C K-55 casing, Set @ 435', BJ Cement w/100 gals gel ahead & 550sx Class C 2% CaCl, circ 155sx, plug down 1:00PM.  
7/11/99 TD 12 1/4" hole @ 1213' 6:45 PM, RIH with 27 joints 8 5/8" 24# ST&C J-55, set at 1206', BJ Cement w/ 400sx 35/65 6%Gel, 6# salt, 1/4# CF, & 200sx Class C 2% CaCl, plug down 10:45PM (circ 110sx).



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

Signed

*Crista D. Carter*

Title

Production Analyst

Date

7/15/99

(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

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE (See other instruction on reverse side)

FOR APPROVED OMB NO. 1004-0137 Expires: December 31, 1991

5. LEASE DESIGNATION AND SERIAL NO. LC-029020-L

WELL COMPLETION OR RECOMPLETION REPORT AND LOG\*

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

1a. TYPE OF WELL: OIL WELL [X] GAS WELL [ ] DRY [ ] Other [ ]
b. TYPE OF COMPLETION: NEW WELL [X] 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. Shawnee Federal #1

3. ADDRESS AND TELEPHONE NO. P.O. Box 960, Artesia, NM 88211-0960 (505) 748-1288

9. API WELL NO. 30-015-30628

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*
At surface 1650 FSL 2310 FWL
At top prod. interval reported below 1650 FSL 2310 FWL
At total depth 1650 FSL 2310 FWL

10. FIELD AND POOL, OR WILDCAT Loco Hills Paddock
11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec 15 T17S R30E

14. PERMIT NO. DATE ISSUED 12. COUNTY OR PARISH Eddy 13. STATE NM

15. DATE SPUNDED 7/9/99 16. DATE T.D. REACHED 7/21/99 17. DATE COMPL. (Ready to prod.) 8/9/1999 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* 3709 RKB 19. ELEV. CASING HEAD 3697

20. TOTAL DEPTH, MD & TVD 5076 21. PLUG, BACK T.D., MD & TVD 4872 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)\* 4467-4829 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)
Table with columns: CASING SIZE/GRADE, WEIGHT, LB./FT, DEPTH SET (MD), HOLE SIZE, TOP OF CEMENT, CEMENTING RECORD, AMOUNT PULLED

29. LINER RECORD 30. TUBING RECORD
Table with columns: SIZE, T O P (MD), BOTTOM (MD), SACKS CEMENT, SCREEN (MD), SIZE, DEPTH SET (MD), PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number) 4467-4829, 1/2, 83
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC
Table with columns: DEPTH INTERVAL (MD), AMOUNT AND KIND OF MATERIAL USED

33. PRODUCTION
DATE FIRST PRODUCTION 8/16/1999 PRODUCTION METHOD 2 1/2 x 2 20 RHBC HVR PAP BNC WELL STATUS Producing
DATE OF TEST 9/2/1999 HOURS TESTED 24 CHOKER SIZE PROD'N FOR TEST PERIOD OIL-BBL. 111 GAS-MCF. 140 WATER-BBL. 325 GAS-OIL RATIO 1261

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 [Signature] TITLE Production Analyst DATE 9/3/1999

\*(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.

PROPERTY	DOI	MO/YR	PROPERTY NAME	OWNER SQ	OWNER NAME	INTEREST	INTEREST TYPE	LAST CHANGE
001725	001	J1	01/98	SHAWNEE	FEDERAL 1			
				006172	00 THE HOMESTAKE OIL & GAS CO.	.06250000	1 WOR	6/24/99
				999101	00 CHASE OIL CORPORATION	.60937500	1 WOR	6/24/99
				999104	00 RICHARD L. CHASE	.02812500	1 WOR	6/24/99
				999105	00 GERENE DIANNE CHASE CROUCH	.01875000	1 WOR	6/24/99
				999106	00 ROBERT C. CHASE	.04687500	1 WOR	6/24/99
				999107	00 MACK C. CHASE TRUST	.23437500	1 WOR	6/24/99
					TOTAL INTEREST	1.00000000		

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 Shawnee Federal					Well Number 1	API Number 30-015-30628		
UL J	Section 15	Township 17S	Range 30E	Feet From The 1650	North/South Line South	Feet From The 2310	East/West Line East	County Eddy, NM

II. Date/Time Information

Spud Date 7/9/99	Spud Time 3:00pm	Date Completed 8/9/99	Pool Loco Hills Paddock
---------------------	---------------------	--------------------------	----------------------------

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 9/3/99  
SUBSCRIBED AND SWORN TO before me this 3rd day of September, 1999  
My Commission expires: 12-9-99 Notary Public Cristina D. Carter

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	Title	Date
-----------	-------	------

VII. DATE OF NOTIFICATION TO THE SECRETARY OF THE TAXATION AND REVENUE DEPARTMENT: \_\_\_\_\_

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

Form 3160-5  
(June 1990)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

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

5. Lease Designation and Serial No.

LC-029020-L

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Shawnee Federal #1

9. API Well No.

30-015-30628

10. Field and Pool, or Exploratory Area

Loco Hills Paddock

11. County or Parish, State

Eddy, NM

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 988211-0960

505-748-1288

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

Sec. 15-T17S-R30E 1650 FSL & 2310 FEL

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

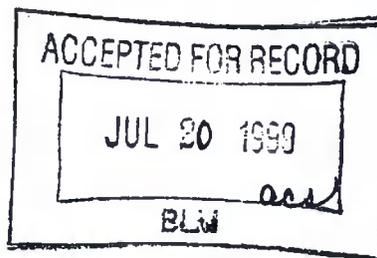
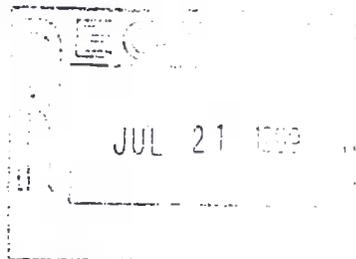
(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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 )\*

7/09/99 Spud 17 1/2" hole @ 3:00PM (Called BLM Carlsbad) lost circ 69'.

7/10/99 TD 17 1/2" hole @ 440' 2:00AM, (called J.Amos BLM) drilling with no returns to 414' full returns lost circ 428', regain full returns at TD 440', circ hole 30 min POH, RIH with 13 joints 13 3/8" 54# ST&C K-55 casing, Set @ 435', BJ Cement w/100 gals gel ahead & 550sx Class C 2% CaCl, circ 155sx, plug down 1:00PM.

7/11/99 TD 12 1/4" hole @ 1213' 6:45 PM, RIH with 27 joints 8 5/8" 24# ST&C J-55, set at 1206', BJ Cement w/ 400sx 35/65 6%Gel, 6# salt, 1/4# CF, & 200sx Class C 2% CaCl, plug down 10:45PM (circ 110sx).



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

Signed Cynthia D. Carter

Title Production Analyst

Date 7/15/99

(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.

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE (See other instruction on reverse side)

FOR APPROVED OMB NO. 1004-0137 Expires: December 31, 1991

5. LEASE DESIGNATION AND SERIAL NO. LC-029020-L

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

WELL COMPLETION OR RECOMPLETION REPORT AND LOG\*

7. UNIT AGREEMENT NAME

1a. TYPE OF WELL: OIL WELL [X] GAS WELL [ ] DRY [ ] Other [ ]
b. TYPE OF COMPLETION: NEW WELL [X] WORK OVER [ ] DEEPEN [ ] PLUG BACK [ ] DIFF. RESVR. [ ] Other [ ]

8. FARM OR LEASE NAME, WELL NO. Shawnee Federal #1

2. NAME OF OPERATOR Mack Energy Corporation

9. API WELL NO. 30-015-30628

3. ADDRESS AND TELEPHONE NO. P.O. Box 960, Artesia, NM 88211-0960 (505) 748-1288

10. FIELD AND POOL, OR WILDCAT Loco Hills Paddock

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*
At surface 1650 FSL 2310 FWL
At top prod. interval reported below 1650 FSL 2310 FWL
At total depth 1650 FSL 2310 FWL

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec 15 T17S R30E

14. PERMIT NO. DATE ISSUED 12. COUNTY OR PARISH Eddy 13. STATE NM

15. DATE SPUDDED 7/9/99 16. DATE T.D. REACHED 7/21/99 17. DATE COMPL. (Ready to prod.) 8/9/1999 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* 3709 RKB 19. ELEV. CASING HEAD 3697

20. TOTAL DEPTH, MD & TVD 5076 21. PLUG, BACK T.D., MD & TVD 4872 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)\* 4467-4829 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

Table with 6 columns: CASING SIZE/GRADE, WEIGHT, LB/FT, DEPTH SET (MD), HOLE SIZE, TOP OF CEMENT, CEMENTING RECORD, AMOUNT PULLED. Rows include 13 3/8, 8 5/8, and 5 1/2.

Table with 8 columns: SIZE, TOP (MD), BOTTOM (MD), SACKS CEMENT, SCREEN (MD), SIZE, DEPTH SET (MD), PACKER SET (MD). Includes LINER RECORD and TUBING RECORD sections.

Table with 2 columns: PERFORATION RECORD (Interval, size and number) and ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. Includes data for 4467-4829, 1/2, 83.

Table with 8 columns: DATE FIRST PRODUCTION, PRODUCTION METHOD, WELL STATUS, DATE OF TEST, HOURS TESTED, CHOKER SIZE, PROD'N FOR TEST PERIOD, OIL-BBL., GAS-MCF., WATER-BBL., GAS-OIL RATIO, FLOW, TUBING PRESS., CASING PRESSURE, CALCULATED 24-HOUR RATE, OIL-BBL., GAS-MCF., WATER-BBL., OIL GRAVITY - API (CORR.).

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 [Signature] TITLE Production Analyst DATE 9/3/1999

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

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PROPERTY	DOI	MO/YR	PROPERTY NAME	OWNER SQ	OWNER NAME	INTEREST	INTEREST TYPE	LAST CHANGE
001725	001	J1	01/98	SHAWNEE	FEDERAL 1			
				006172	00 THE HOMESTAKE OIL & GAS CO.	.06250000	1 WOR	6/24/99
				999101	00 CHASE OIL CORPORATION	.60937500	1 WOR	6/24/99
				999104	00 RICHARD L. CHASE	.02812500	1 WOR	6/24/99
				999105	00 GERENE DIANNE CHASE CROUCH	.01875000	1 WOR	6/24/99
				999106	00 ROBERT C. CHASE	.04687500	1 WOR	6/24/99
				999107	00 MACK C. CHASE TRUST	.23437500	1 WOR	6/24/99
					TOTAL INTEREST	1.00000000		