

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*

N.M. Oil & Gas Division
811 S. 1st Street
Artesia, NM 88210-2834

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

C/SF

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other ☐
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ 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 (Report location clearly and in accordance with any State requirements)*

At surface

660 FNL & 660 FWL

At top prod. interval reported below

At total depth

5. LEASE DESIGNATION AND SERIAL NO.

NM-100844

6. LANDMAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO.

Elk 22 Federal #1

9. API WELL NO.

30-015-31598

10. FIELD AND POOL, OR WILDCAT

Crow Flats Wlfap

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

Sec 22 T16S R28E

14. PERMIT NO.

DATE ISSUED

12. COUNTY OR PARISH
Eddy

13. STATE
NM

15. DATE SPUNDED
3/11/01

16. DATE T.D. REACHED
4/14/01

17. DATE COMPL. (Ready to prod.)
5/23/01

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)
3610 RKB

19. ELEV. CASING HEAD
3598 GR

20. TOTAL DEPTH, MD & TVD
9800

21. PLUG, BACK T.D., MD & TVD
9709

22. IF MULTIPLE COMPL., HOW MANY*

23. INTERVALS DRILLED BY
Rotary Tools

ROTARY TOOLS
Yes

CABLE TOOLS

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

6528.5-6626.5' Abo

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	48	505	17 1/2	500 sx	None
8 5/8	32	1810	11	650 sx	None
5 1/2	17	9800	7 7/8	1950 sx	None

29. LINER RECORD

SIZE	T O P (MD)	BOTTOM (MD)	SACKS CEMENT	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 3/8	6643	

31. PERFORATION RECORD (Interval, size and number)

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
6528-6626'	2000 gals 15% acid
6528-6626'	32,000 gals 20% acid
6528-6626'	54,000 gals 40# gel

6528.5-6626.5', .40, 29

33. PRODUCTION

DATE FIRST PRODUCTION 5/25/01		PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump) 2 x 1 1/2 x 20' HVR PAP				WELL STATUS (Producing or shut-in) Producing	
DATE OF TEST 5/25/01	HOURS TESTED 24	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL-BBL. 47	GAS-MCF. 60	WATER-BBL. 225	GAS-OIL RATIO 1277
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL-BBL. 47	GAS-MCF. 60	WATER - BBL. 225	OIL GRAVITY - API (CORR.) 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 Jerry W. Sherrill TITLE Production Clerk DATE 6/27/01

*(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):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	GEOLOGIC MARKERS		
				NAME	MEAS.DEPH	TOP TRUE VERT.DEPH
<div> <div>RECEIVED</div> <div>2021 JUL -2 AM 10: 06</div> <div>BUREAU OF LAND MANAGEMENT</div> <div>ROSWELL OFFICE</div> </div>	6528	6627		Yates		
				Seven Rivers		
				Queen		
				San Andreas	1908	
				Glorietta	3354	
				Tubb		
				Abo	5369	
				Wolfcamp	6616	
				Cisco	7700	
				Strawn		
				Atoka	9132	
				Morrow		
				Mississippian	9693	
				Woodford		
				Devonian		
				Fusselman		
				Montoya		
				Simpson		

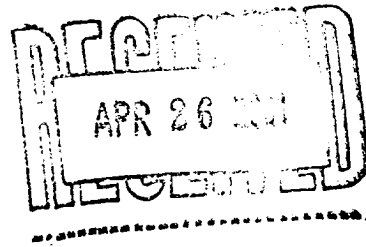
38.

OPERATOR: Mack Energy
WELL/LEASE: Elk 22 Fed. Com. #1
COUNTY: Eddy

304-0164

STATE OF NEW MEXICO
DEVIATION REPORT

227	3/4	8,831	3/4
464	1/4	9,148	1 1/2
962	3/4	9,339	2 1/2
1,457	1/2	9,561	3 1/4
1,774	1	9,763	4 1/4
2,268	1		
2,744	1/2		
3,243	3/4		
3,725	3/4		
4,202	1/4		
4,708	1/4		
5,181	3/4		
5,657	1 1/2		
6,133	2 1/4		
6,324	3		
6,505	2 1/2		
6,600	2 1/4		
6,789	2		
6,980	2		
7,202	2		
7,517	3		
7,643	2 1/2		
7,834	3 1/2		
7,930	3 1/4		
8,024	3 1/4		
8,200	2 1/4		
8,327	1 3/4		
8,453	1 1/4		
8,580	1 1/2		
8,612	1 1/4		
8,644	1/2		
8,676	1/4		
8,736	1		



By: _____

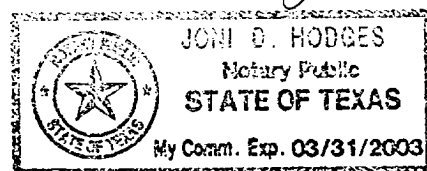
STATE OF TEXAS

COUNTY OF MIDLAND

The foregoing instrument was acknowledged before me on this 19th day of April, 2001, by
Ray Peterson on behalf of **UTI Drilling L.P.**

My Commission Expires: 3/31/2003

Notary Public for Midland County, Texas



RECEIVED

2001 JUL -2 AM 10:06

BUREAU OF LAND MGMT.
ROSWELL OFFICE

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

N.M. Oil Cons. Division
811 S. 1st Street
Artesia, NM 88210-2834
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

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

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

Sec-22-T16S-R28E 660 FNL & 660 FWL

5. Lease Designation and Serial No.

NM-100844

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Elk 22 Federal #1

9. API Well No.

30-015-31598

10. Field and Pool, or Exploratory Area

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)*

04/30/2001 Drill out DV tool at 6056'.
05/01/2001 Perforate from 7852-7869', 18 shots 1 SPF 0.40" hole.
05/02/2001 Spot 500 gals 15% acid, break down perms w/1500 gals 15% acid.
05/03/2001 (ALL LOAD WATER RECOVERED).
05/08/2001 RIH set CIBP w/35' cement on top at 7752', get on depth with open hole log, perforate at 6528.5,30.5,33,34.5,36.5,39,43,48.5, 52,53,67,68,81,83,84.5,87,89.5,91.5,93.5,95.5, 6602,04,06,07.5,09.5,13,15.5,24.5,26.5 1 SPF 0.40 hole.
05/09/2001 Acidize w/2000 gals 15% acid down.
05/11/2001 Reacidized w/32,000 gals 20% Acid with additives and 54,000 gals 40# gel.
05/14/2001 RIH w/2 3/8" L-80 tubing 207 joints SN @ 6643'.
05/22/2001 RIH w/2 x 1 1/2 x 20' Brass Nicarb PAP pump.

ACCEPTED FOR RECORD

JUL - 6 2001

GARY GOURLEY
FIELD ENGINEER

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

Signed Gary W. Sherrill Title Production Clerk Date 6/27/01

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____
Conditions of approval, if any.

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

RECEIVED

2001 JUL -2 AM 10:06

BUREAU OF LAND MGMT
ROSWELL OFFICE