

L & M DRILLING, INC.

OIL WELL DRILLING CONTRACTORS

PO BOX 1370 ARTESIA, NEW MEXICO 88211-1370
(505) 746-4405 746-3518 748-2205

April 10, 2002

Mack Energy Corporation
PO Drawer 960
Artesia, NM 88211-0960

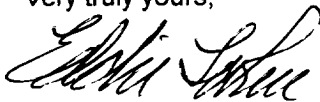
RE: McIntyre A #18
990' FSL & 2310' FEL
Sec. 20, T17S, R30E
Eddy County, New Mexico

Gentlemen:

The following is a Deviation Survey for the above captioned well.

DEPTH	DEVIATION	DEPTH	DEVIATION
435'	3/4°	2580'	2°
626'	1°	2807'	3 1/4°
883'	1°	2870'	2°
1136'	3/4°	2959'	2 1/2°
1215'	3/4°	3147'	2°
1356'	1 1/4°	3451'	2°
1605'	1 1/2°	3947'	2°
1850'	1 1/2°	4444'	1 3/4°
2222'	1 1/2°	4836'	2 1/4°

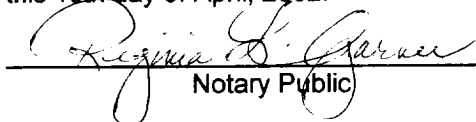
Very truly yours,



Eddie C. LaRue
Vice President

STATE OF NEW MEXICO }
COUNTY OF EDDY }

The foregoing was acknowledged before me
this 10th day of April, 2002.


Notary Public

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*
(other in-
spection on
reverse side)

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

5. LEASE DESIGNATION AND SERIAL NO.
LC-057634

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other **N.M. DIV-Dist. 2**

7. UNIT AGREEMENT NAME

b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other **1301 W. Grand Avenue**
Artesia, NM 88210

8. FARM OR LEASE NAME, WELL NO.

2. NAME OF OPERATOR

Mack Energy Corporation

McIntyre A #18

3. ADDRESS AND TELEPHONE NO.

P.O. Box 960, Artesia, NM 88211-0960

(505) 748-1288

9. API WELL NO.

30-015-32188

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

At surface

At top prod. interval reported below

At total depth

10. FIELD AND POOL, OR WILDCAT

Loco Hills Paddock

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

Sec. 20, T17S, R30E, O

14. PERMIT NO.

DATE ISSUED

12. COUNTY OR PARISH
Eddy

13. STATE
NM

15. DATE SPUDDED

3/25/02

16. DATE T.D. REACHED

4/7/02

17. DATE COMPL. (Ready to prod.)

4/22/02

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

3620' RKB

19. ELEV. CASING HEAD

3608'

20. TOTAL DEPTH, MD & TVD

4836'

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

4812'

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)*

4490-4694' 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 J-55	48	425'	17 1/2	450 sx	None
8 5/8 J-55	24	1215'	12 1/4	800 sx	None
5 1/2 J-55	17	4826'	7 7/8	900 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	4728'	

30. TUBING RECORD

31. PERFORATION RECORD (Interval, size and number)

4490-4694', .40, 61

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
4490-4694'	2000 gals 15% NEFE Acid
4490-4694'	32000 gals 20% HCL
4490-4694'	54000 gals 40# gel
4490-4694'	5000 gals 15% Acid

33. PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump)	WELL STATUS (Producing or shut-in)
5/2/02	2 1/2x2x20' Pump	Producing

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL-BBL.	GAS-MCF.	WATER-BBL.	GAS- OIL RATIO
5/7/02	24			41	64	123	1561

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL-BBL.	GAS-MCF.	WATER - BBL.	OIL GRAVITY - API (CORR.)
			41	64	123	38

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

Sold

35. LIST OF ATTACHMENTS

Deviation Survey, Logs

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

SIGNED

Les Baryak

TITLE

Production Analyst

LES BARYAK

PETROLEUM ENGINEER

6/28/02

*(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. DEPTH	TRUE VERT. DEPTH
Loco Hills Paddock	4474	4694		Yates	1188	
				Seven Rivers	1490	
				Queen	2156	
				San Andres	2934	
				Glorietta	4420	

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