

(October 1990)

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

SUBMIT IN DUPLICATE*

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

(5) he
SL ion on
reverse side)

Oil Cons.
N.M. Div-Dist. NM-14840
1301 W. Grand Avenue
Artesia, NM 88210

WELL COMPLETION OR RECOMPLETION REPORT AND

1a. TYPE OF WELL:		OIL WELL ☒ GAS WELL ☐ DRY ☐ Other _____		7. UNIT AGREEMENT NAME			
b. TYPE OF COMPLETION:		NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other _____		8. FARM OR LEASE NAME, WELL NO.			
2. NAME OF OPERATOR		Mack Energy Corporation		White Star Federal #20			
3. ADDRESS AND TELEPHONE NO.		P.O. Box 960, Artesia, NM 88211-0960		9. API WELL NO.			
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)		At surface		10. FIELD AND POOL, OR WILDCAT			
At top prod. interval reported below		At total depth		11. SEC. T., R., M., OR BLOCK AND SURVEY OR AREA			
14. PERMIT NO.		DATE ISSUED		12. COUNTY OR PARISH			
				Eddy			
15. DATE SPUNDED		16. DATE T.D. REACHED		13. STATE			
6/5/02		6/15/02		NM			
17. DATE COMPL. (Ready to prod.)		18. ELEVATIONS (DF, RKB, RT, GR, ETC.)		19. ELEV. CASING HEAD			
6/27/02		3611' RKB		3598'			
20. TOTAL DEPTH, MD & TVD		21. PLUG, BACK T.D., MD & TVD		22. IF MULTIPLE COMPL., HOW MANY*			
4440'		4422'					
23. INTERVALS DRILLED BY		ROTARY TOOLS		CABLE TOOLS			
Yes		Yes					
24. PRODUCING INTERVAL (S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)*				25. WAS DIRECTIONAL SURVEY MADE			
3903-4278.5', Paddock				Yes			
26. TYPE ELECTRIC AND OTHER LOGS RUN				27. WAS WELL CORED			
Gamma Ray, Neutron, Density, Lateralog, Spectral Gamma Ray				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	48	332'	17 1/2	350 sx	None		
8 5/8 J-55	24	851'	12 1/4	500 sx	None		
5 1/2 J-55	17	4436'	7 7/8	985 sx	None		
29. ACCEPTED FOR RECORD			30. TUBING RECORD				
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 7/8	4311'	
31. PERFORATION RECORD (Interval, size and number)				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC			
AUG - 5 2002				DEPTH INTERVAL (MD)			
ALEXIS C. SWOBODA				AMOUNT AND KIND OF MATERIAL USED			
PETROLEUM ENGINEER				3903-4278.5'			
3903-4278.5', .43, 84				2500 gals 15% NEFE			
				3903-4278.5'			
				32000 gals 20% HCL			
				3903-4278.5'			
				54000 gals 40# gel			
				3903-4278.5'			
				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)		
6/29/02		2 1/2x2x16' Pump			Producing		
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL-BBL.	GAS-MCF.		
7/10/02	24 hours			12	28		
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL-BBL.	GAS-MCF.	WATER-BBL.		
			12	28	25		
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)		OIL GRAVITY - API (CORR.)					
Sold		38					

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

TITLE

Production Analyst

DATE

7/31/02

*(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.
East Empire Yeso	3897	4280	

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS.DEPTH	TRUE VERT.DEPTH
Yates	796	
Seven Rivers	1066	
Queen	1682	
San Andres	2354	
Glorietta	3807	



Artesia Fishing Tool Co., Inc.

Oil Well Drilling Contractors
PO Box 1370 Artesia, NM 88211-1370
505/746-6651 746-3518 fax 748-2205

June 18, 2002

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

RE: White Star Fed #20
990' FNL & 990' FEL
Sec. 29, T17S, R29E
Eddy County, New Mexico

Gentlemen:

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

DEPTH	DEVIATION	DEPTH	DEVIATION
332'	1°	2545'	1°
608'	1°	2980	1°
855'	1°	3418'	1 1/2°
1103'	1/4°	3919'	1 1/2°
1417'	1/4°	4263'	1 1/2°
1697'	1°	4440'	1°
2166'	1°		

Very truly yours,

Eddie C. LaRue
Vice President

STATE OF NEW MEXICO
COUNTY OF EDDY }

The foregoing was acknowledged before me
this 18th day of June, 2002.

Notary Public

02-1150

Serving Southeast New Mexico and West Texas Since 1974