Form 3160-4 (Ocjober 1990)

U TED STATES DEPARTMENT OF THE INTERIOR

SUBMIT IN DUP

BUREAU OF LAND MANAGEMENT

IN DUP' ONS. FOR APPROVED OS OMB NO. 1004-0137 OS Expires: December 31,1991

1301 W. Grand Avenue

1302 Por Company of Co

							Art	esia. N	IMIF RAP	; \ \(\omega\)	TTEE OR TRIBE NAM
		TION OF		PLETIO	N REF	ORT	AND L	OG~ , .	1002		OTTEE OR TRIBE NAM
a. TYPE OF WE	iLL:	WELL D	GAS WELL	DRY	Other	· · · · · ·			7. UNIT AGR	EEME	NT NAME
b. TYPE OF CO		DEEPEN (DIFF. —	-		· / ·				
WELL 🗵		Jeeren	PLUG BACK	RESVR.	Other		<u> </u>				ASE NAMÉ, WELL N
. NAME OF OPERA)		17		y ex a		9. API WELL		Unit #933
hevronTexa			.gent) /		<u> </u>		OF U. Tr				E 2407E S /
O. Box 960			-0960		(505) 7	ନ୍ତୁ 48-128	8.				5-31975 S (
LOCATION OF				ordance with	<u> </u>				- 		Paddock
At surface					NL & 33						OR BLOCK AND SURVE
At top prod. int	terval reporte	d below							OR ARE	A	
	•										
At total depth			_								17S, R31E, D
			14.	PERMIT NO.		D,	ATE ISSUED		12. COUNTY PARISH Edo	or İ y	13. STATE NM
5. DATE SPUDDED 16. DATE T.D. REACHED 17. DAT			17. DATE COM		rod.)	18. ELE	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*			19. EI	LEV. CASING HEAD
3/9/02	3/:	22/02	<u> </u>	4/18/02			3740.5' RKB				3728'
0. TOTAL DEPTH, MI 5415		21. PLUG, BAC	5380'		ULTIPLE CO V MANY"	MPL.,		TERVALS RILLED BY	rotary to Yes	OLS	CABLE TOOLS
4. PRODUCING IN	TERVAL (S), C	F THIS COME	PLETION - TOP, B	OTTOM, NAM	ME (MD AN	י(פעד כ				25.	WAS DIRECTIONAL SURVEY MADE
			4732.5-	5039.5' P	addock						Yes
S. TYPE ELECTRIC	C AND OTHER	LOGS RUN Ray, Neu	tron, Densit	y, Latera	log, Sp	ectral C	Samma I	Ray		27. W	NO
8.		• •		G RECORE							
CASING SIZE/GRAD	DE WEIGH	IT, LB/FT	DEPTH SET (MD)	HOLE SIZ		TOP OF	CEMENT, CEN	ENTING RECOR	0	AMOUNT PULLED
13 3/8 H-40)	48	456'		17 1/2			475			None
8 5/8 J-55	50 2				850						
5 1/2 J-55		_17	5394'		7 7/8			1660	SX		None
			D DECORD			L.	30.		TUBING REC	ORD	1
9.	SIZE ACCOPPINTED TO BOTROM (NO) R DISACKS CEMENT			r SCF	EEN (MD)	_	ZE	DEPTH SET		PACKER SET (MD)	
- 5121	ACOT	PEUTOR	Transfer IV	AONO CEMENT				7/8	5070'		
						•					·
1. PERFORATIO	N RECORD (I)	prvalosize a	7h/Jymber)		32.		ACID, SH	OT, FRACT	TURE, CEME	NT SQ	UEEZE, ETC
2002				DE	PTH INTERVAL (MD) AMOUNT AND KIND C						
Í	Ĺ		acs			732.5-5039.5' 2500 gals 15% l 732.5-5039.5' 32000 gals 20					
	ALEX	OLEUL L'	1900)					<u> </u>		2000 gals 20% HCL 54000 gals 40# gel	
Ĺ		5-5039.5 ' ,					5039.5' 5039.5'				40# gei CL acid
3.					RODUCTI		3039.3		3000 13	70 11	CL aciu
ATE FIRST PRODU		PRODUCTION	ON METHOD (Flowing	ng, gas lift, pump		type of pur	np)		WELL S shut-in		Producing or Producing
ATE OF TEST	HOURS TI	ESTED	CHOKE SIZE	PROD'N FOR	OIL-B		GAS-	MCF.	WATER-BB	L.	GAS-OIL RATIO
5/1/02		24		TEST PERIOD		123		181	260		1472
FLOW. TUBING PRESS. CASING PRESSURE		CALCULATE		CALCULATED 01L-BBL. 24-HOUR RATE 123		GAS-MCF. 181		WATER			AVITY - API (CORR.)
		24-HOUR RATE	260						38		
4. DISPOSITION	OF GAS (Sold	d, used for fue	l, vented, etc.)		Sold						
5. LIST OF ATTA	CHMENTS		· · · · · · · · · · · · · · · · · · ·	Devi	ation S	urvev					
36. I hereby cert	that the fo	oregoing and	l attached infor				t as deterr	nined from	all available	record	is
/	lise.	. / /	1				tion An				5/22/02
SIGNED	were.	· (<u>ca</u>		_ TITLE -			LIVII AII	,	DA1		

drill-stem, tests, in recoveries):	ncluding depth i	nterval tested, čushio	drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):	38. GEC	GEOLOGIC MARKERS	
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC		TOP	dı
Fren Paddock	NCT.N	\$102		NAME	MEAS.DEPTH	TRUE VERT.DEPTH
	1	70		Yates	1512	
				Seven Rivers	1814	
				Queen	2432	
				San Andres	3139	
				Glorietta	4650	
38 ::						
23 I						
4. 9.23. 14						
-						
	•					
:						
			:	:		

L & M DRILLING, INC.

March 29, 2002

Mack Energy Corporation PO Drawer 960 Artesia, NM 88211-0960 PEON THE STATE OF
RE: Skelly Unit #933 990' FNL & 330' FWL Sec. 21, T17S, R31E Eddy County, New Mexico

Gentlemen:

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

DEPTH	DEVIATION	DEPTH	DEVIATION
463'	1/2°	3030'	1 1/4°
959'	1°	3653'	1 1/4°
1453'	1 3/4°	4116'	1 1/2°
1642'	1°	4640'	1 1/4°
2135'	1/2°	5415'	1 1/2°
2566'	1°		

Very truly yours

Eddie C. LaRue Vice President

STATE OF NEW MEXICO COUNTY OF EDDY

The foregoing was acknowledged before me

this 29th day of March. 2002,

Notary Public

aug. 30, 2004