NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON
Governor
Betty Rivera
Cabinet Secretary

Lori Wrotenbery
Director
Oil Conservation Division

July 12, 2002

Mr. Robert C. Chase
Mack Energy Corporation
PO Box 960
Artesia, New Mexico 88211

Re: Administrative Application for SWD: Beech Federal Well No. 3
Section 25, T17S, R27E, NMPM, Eddy County, New Mexico.

Dear Mr. Chase:

The division received your application June 14, 2002 and after evaluation, the following information is needed to complete the order:

1) Explanation of the water analysis included in this application. What formations do they represent and why do some have very low pH?
2) Please include in the application a photocopy of the mud log and electric logs through the Abo interval being proposed for injection.
3) A summary of the drill reports and completion reports for this well.
4) A current annotated well bore diagram including all perforations existing in the well.
5) The No Bluff 36 St Com #002 API: 30-015-31123 is located within the Area of Review and has a cement top as calculated by the operator - Southwest Energy Production Company – at 7,350 feet. Please provide a plan for resolving this issue.

Pending receipt of this information and since our 30-day limit for pending applications is approaching, your application is being returned. If I can be of further assistance, please call (505) 476-3448.

Sincerely,

William V Jones Jr. PE

cc: Oil Conservation Division - Artesia
Bureau of Land Management - Carlsbad

21682925 SWD 6/29/02

HOLLAND & HART LLP
ATTORNEYS AT LAW

DENVER • ASPEN
BOULDER • COLORADO SPRINGS
DENVER TECH CENTER
BILLINGS • BOISE
CHEYENNE • JACKSON HOLE
SALT LAKE CITY • SANTA FE
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William F. Carr

wcarr@hollandhart.com

June 14, 2002

HAND-DELIVERED

Lori Wrotenbery, Director
Oil Conservation Division
New Mexico Department of Energy,
Minerals and Natural Resources
1220 South Saint Francis Drive
Santa Fe, New Mexico 87505

(30-015-32036)

Re: Application of Mack Energy Corporation for administrative approval of salt water disposal in its Beech Federal Well No. 3 located 330 feet from the South line and 1775 feet from the East line of Section 25, Township 17 South, Range 27 East, NMPM, Eddy County, New Mexico.

Dear Ms. Wrotenbery:

Enclosed for filing is the original and one copy of the application of Mack Energy Corporation in the above-referenced matter. By copy of this letter, the application is also being filed with the Division's District Office in Artesia, New Mexico.

As you will see from the enclosed copies of notice letters, on this date the application was provided to all offset operators and the owner of the surface of the land on which the well is located in accordance with Division rules. Each of these owners was advised that if they have objections to the application, they have fifteen days within which to notify the Division's Santa Fe office.

The legal advertisement for this application was run in the Artesia Daily Press On June 14, 2002. The Proof of Publication is enclosed with the application.

Your attention to this matter is appreciated.

Very truly yours,

William F. Carr

cc: Oil Conservation Division (with enclosure)
District II
1301 West Grand Avenue
Artesia, New Mexico 88210

Ron Lanning
Mack Energy Corporation
Post Office Box 960
Artesia, New Mexico 88211-0960

MACK Energy
Beech Fed #3

LOCATION SORT

1/2 MILE AOR

WJT 6/17/02

API	WELL NAME	Short Operator	NS	EW	UL1	Sec	Tsp	Rge	TVD	Ltyp	Wtyp	Orig FORM (or NOTES)	P&A Date	STATUS	Latest Pool	GAS2002	OIL2002	WAT2002
30-015-00578	BERRY B #025	SDX	1650N	1650E	G	25	17S	27E		F	O	SAN ANDRES		ACTIVE	RED LAKE;Qn-Gbg-SA	22	0	0
30-015-30868	BIRCH Fed #001	MACK CORP	2185N	1650E	G	25	17S	27E	7808	F	O	WOLFCAMP	2000-02-15	ZONE ABAN		0	0	0
30-015-31927	St 25 #001	Marbob	1650S	990E	I	25	17S	27E	8130	S	O	LOGAN DRAW WOLFCAMP		ACTIVE	LOGAN DRAW;WOLFCAMP (O)	9366	2786	10
30-015-31790	BEECH Fed #002	MACK CORP	1650S	1650E	J	25	17S	27E	7800	F	O	LOGAN DRAW WOLFCAMP		ACTIVE	LOGAN DRAW;WOLFCAMP (O)	29986	3997	46
30-015-32299	ENRON Fed #005	SDX	1800S	2310E	J	25	17S	27E	0	F	O	RED LAKE Q-G-SA		NO COMPL		0	0	0
30-015-24092	SPRUCE Fed #001	MACK	1650S	2310W	K	25	17S	27E	9985	F	G	ABO		ACTIVE	LOGAN DRAW;WOLFCAMP (O)	63960	6063	46
30-015-32069	FIR Fed #001	MACK	1770S	990W	L	25	17S	27E	7208	F	O	LOGAN DRAW WOLFCAMP		ACTIVE	LOGAN DRAW;WOLFCAMP (O)	4932	3045	10
30-015-30812	BEECH Fed #001	MACK CORP	330S	940W	M	25	17S	27E	7244	F	O	WOLFCAMP		ACTIVE	RED LAKE; GLORIETA YESO, N EAST	854	400	3659
30-015-00525	BRAINARD #002	PRONGHORN	330S	2310W	N	25	17S	27E		F	O			ACTIVE	EMPIRE; YATES-SEVEN RIVERS	0	1	0
30-015-32037	BEECH Fed #004	MACK CORP	455S	2060W	N	25	17S	27E	0	F	O	LOGAN DRAW WOLFCAMP		NO COMPL		0	0	0
30-015-32300	ENRON Fed #006	SDX	990S	2310W	N	25	17S	27E	0	F	O	RED LAKE Q-G-SA		NO COMPL		0	0	0
30-015-00526	BRAINARD #001	PRONGHORN	330S	1650E	O	25	17S	27E	501	F	O			ACTIVE		0	0	0
30-015-32036	BEECH Fed #003	MACK CORP	330S	1775E	O	25	17S	27E	0	F	O	LOGAN DRAW WOLFCAMP		NO COMPL		0	0	0
30-015-32163	ENRON Fed #003	SDX	990S	1650E	O	25	17S	27E	3177	F	O	RED LAKE Q-G-SA		ACTIVE		0	0	0
30-015-31283	RESLER St #001	SDX	330S	990E	P	25	17S	27E	3600	S	O	RED LAKE-QN-GB-SA		ACTIVE	RED LAKE; GLORIETA YESO, N EAST	1807	1055	2759
30-015-31994	St 25 #002	Marbob	455S	990E	P	25	17S	27E	8150	S	O	LOGAN DRAW WOLFCAMP		ACTIVE	LOGAN DRAW;WOLFCAMP (O)	16488	1335	10
30-015-30882	OXY HARVESTER Fed #001	OXY USA WTP	1980S	660E	I	26	17S	27E	9820	F	G	LOGAN DRAW MORROW		ACTIVE	LOGAN DRAW;MORROW (GAS)	8928	17	10
30-015-10426	HARBOLD #017	ACHEN	660S	990E	P	26	17S	27E	1681	F	O	GRAYBURG	1996-08-28	ZONE ABAN		0	0	0
30-015-00621	S RED LAKE Gbg UNIT #003	MCQUADRANGLE	330N	990E	A	35	17S	27E		F	I			ACTIVE	RED LAKE;Qn-Gbg-SA	0	0	0
30-015-25155	S RED LAKE Gbg UNIT #044	MCQUADRANGLE	990N	990E	A	35	17S	27E		S	O			ACTIVE	RED LAKE;Qn-Gbg-SA	0	84	5230
30-015-00620	S RED LAKE Gbg UNIT #007	MCQUADRANGLE	1650N	990E	H	35	17S	27E		F	I			ACTIVE	RED LAKE;Qn-Gbg-SA	0	0	0
30-015-05596	S RED LAKE Gbg UNIT #014	MCQUADRANGLE	2080N	560E	H	35	17S	27E		F	O			ACTIVE	RED LAKE;Qn-Gbg-SA	0	277	12929
30-015-00646	DELHI #007	PRONGHORN	990N	330E	A	36	17S	27E	540	S	O			T/A		0	0	0
30-015-00693	DELHI #001	PRONGHORN	330N	330E	A	36	17S	27E	528	S	O			T/A		0	0	0
30-015-00649	St A #001	PRONGHORN	990N	2310E	B	36	17S	27E	532	S	O	SR		SHUT IN		0	0	0
30-015-00650	St A #002	PRONGHORN	330N	1650E	B	36	17S	27E	525	S	O			ACTIVE		0	0	0
30-015-00692	St B #001	W E JEFFERS	980N	2300E	B	36	17S	27E		S	O			ACTIVE		0	0	0
30-015-31541	JEFFERS 36 St #003	SDX	460N	1650E	B	36	17S	27E	0	S	O	RED LAKE Q-G-SA		NO COMPL		0	0	0
30-015-00651	DELHI #005	PRONGHORN	990N	1650W	C	36	17S	27E		S	O			ACTIVE	EMPIRE; YATES-SEVEN RIVERS	0	20	0
30-015-00653	S RED LAKE Gbg UNIT #001	MCQUADRANGLE	660N	1650W	C	36	17S	27E		S	O			ACTIVE	RED LAKE;Qn-Gbg-SA	0	357	2211
30-015-00654	DELHI #002	PRONGHORN	330N	1650W	C	36	17S	27E	524	S	O	ARTESIA		ACTIVE		0	0	0
30-015-00691	DELHI #006	PRONGHORN	990N	2310E	C	36	17S	27E		S	O			ACTIVE		0	0	0
30-015-23358	DELHI #008	PRONGHORN	369N	2293W	C	36	17S	27E		S	O			ACTIVE		0	0	0
30-015-30907	NO BLUFF St COM #001	SWERN	660N	860W	D	36	17S	27E	9917	S	G	N ILLINOIS CAMP MORROW		ACTIVE	ILLINOIS CAMP;MORROW, N (GAS)	21153	122	24
30-015-00652	S RED LAKE Gbg UNIT #008	MCQUADRANGLE	1650N	330W	E	36	17S	27E		S	I			ACTIVE	RED LAKE;Qn-Gbg-SA	0	0	0
30-015-00657	MAGRUDER St #001	JKM	2310N	330W	E	36	17S	27E		S	O		2000-04-04	ZONE ABAN		0	0	0
30-015-00658	S RED LAKE Gbg UNIT #013	MCQUADRANGLE	2310N	990W	E	36	17S	27E		S	O			SHUT IN	RED LAKE;Qn-Gbg-SA	0	0	220
30-015-00660	S RED LAKE Gbg UNIT #012	MCQUADRANGLE	2310N	1650W	F	36	17S	27E		S	O			ACTIVE	RED LAKE;Qn-Gbg-SA	0	99	1152
30-015-00663	ACREY #002	PRONGHORN	1650N	1655W	F	36	17S	27E	495	S	O			SHUT IN		0	0	0
30-015-00664	S RED LAKE Gbg UNIT #009	MCQUADRANGLE	1650N	1650W	F	36	17S	27E		S	I			ACTIVE	RED LAKE;Qn-Gbg-SA	0	0	0
30-015-00665	ACREY #003Y	PRONGHORN	2260N	1650W	F	36	17S	27E		S	O			ACTIVE	EMPIRE; YATES-SEVEN RIVERS	0	1	0
30-015-25670	ACREY #005	PRONGHORN	1650N	2310W	F	36	17S	27E		S	O			ACTIVE	EMPIRE; YATES-SEVEN RIVERS	0	1	0
30-015-25969	S RED LAKE Gbg UNIT #047	MCQUADRANGLE	1980N	2310W	F	36	17S	27E		S	O			SHUT IN	RED LAKE;Qn-Gbg-SA	0	93	2284
30-015-00666	CONKLIN #001	PRONGHORN	2310N	2310E	G	36	17S	27E	533	S	O			ACTIVE		0	0	0
30-015-00667	S RED LAKE Gbg UNIT #011	MCQUADRANGLE	2310N	2310E	G	36	17S	27E		S	I			ACTIVE	RED LAKE;Qn-Gbg-SA	0	0	0
30-015-00668	S RED LAKE Gbg UNIT #010	MCQUADRANGLE	1650N	2310E	G	36	17S	27E		S	O			SHUT IN	RED LAKE;Qn-Gbg-SA	0	207	14128
30-015-00690	CONKLIN #002	PRONGHORN	1830N	2205E	G	36	17S	27E		S	O			ACTIVE	EMPIRE; YATES-SEVEN RIVERS	0	1	0
30-015-00647	GATES St #002	C E LARUE & B M MUNCY JR	1650N	990E	H	36	17S	27E		S	O			SHUT IN		0	0	0
30-015-00669	HOMAN #001	PRONGHORN	2310N	330E	H	36	17S	27E	1804	S	O			SHUT IN		0	0	0
30-015-00689	GATES St #001	C E LARUE & B M MUNCY JR	1650N	330E	H	36	17S	27E	557	S	O	YATES SEVEN RIVERS		ACTIVE		0	0	0
30-015-31036	GATES St #003	C E LARUE & B M MUNCY JR	2310N	990E	H	36	17S	27E	614	S	O	EMPIRE YESO SEVEN RIVERS		ACTIVE	EMPIRE; YATES-SEVEN RIVERS	0	20	67
30-015-31123	NO BLUFF 36 St COM #002	SWERN	1980N	760E	H	36	17S	27E	10050	S	G	WILDCAT MISSISSIPPIAN		ACTIVE	ILLINOIS CAMP;MORROW, N (GAS)	6650	0	0

OL 35359?

API	WELL NAME	2002POOL	PROP	TVD	Current Perfs	Perf Date	Hole Size	Casing Size	Csg Top	Csg Bottom	Sacks Cmt	Ft3 Cmt	Reported Cmt Top	Stage Tool	Calculated Cmt Top
30-015-32036	BEECH Fed #003	0	25028	7955											
30-015-31541	JEFFERS 36 St #003	0	27122	0											
30-015-31123	NO BLUFF 36 St COM #002	78890	25858	10050			7 7/8	5.5 17	0	10050	553	Tsc	7350	calc.	
30-015-32299	ENRON Fed #005	0	29217	0											
30-015-32037	BEECH Fed #004	0	25028	7800'											
30-015-32300	ENRON Fed #006	0	29217	4000'											

Planned To 4000'

SW. Energy Prod. Co.

Beech Fed #3

API	WELL NAME	In Ap	Short Operator	NS	EW	UL	Sec	Tsp	Rge	Land Type	Well Type	Orig FORM (or NOTES)	P&A Date	STATUS	Latest Pool	GAS2002	OIL2002	WAT2002	OGRID
30-015-32036	BEECH Fed #003	z	MACK CORP	330S	1775E	O	25	17S	27E	F	O	LOGAN DRAW WOLFCAMP		NO COMPL		0	0	0	13837
30-015-31541	JEFFERS 36 St #003		SDX	460N	1650E	B	36	17S	27E	S	O	RED LAKE Q-G-SA		NO COMPL		0	0	0	20451
30-015-31123	NO BLUFF 36 St COM #002		SWERN	1980N	760E	H	36	17S	27E	S	G	WILDCAT MISSISSIPPIAN	API = 35359??	ACTIVE	ILLINOIS CAMP,MORROW, N (GAS)	6650	0	0	148111
30-015-32299	ENRON Fed #005		SDX	1800S	2310E	J	25	17S	27E	F	O	RED LAKE Q-G-SA		NO COMPL		0	0	0	20451
30-015-32037	BEECH Fed #004		MACK CORP	455S	2060W	N	25	17S	27E	F	O	LOGAN DRAW WOLFCAMP		NO COMPL		0	0	0	13837
30-015-32300	ENRON Fed #006		SDX	990S	2310W	N	25	17S	27E	F	O	RED LAKE Q-G-SA		NO COMPL		0	0	0	20451

$(1015)^2 + (2310)^2 = \sqrt{\quad} - 2640' = 2523'$ away

117' Too Close

API	WELL NAME	PROP	TVD	Current Perfs	Perf Date	Hole Size	Casing Size	Csg Top	Csg Bottom	Sacks Cmt	Ft3 Cmt	Reported Cmt Top	Stage Tool	Calculated Cmt Top
30-015-30868	BIRCH Fed #001 OK	25184	7808	P & A	3/00									
30-015-31927	St 25 #001 OK	28571	8130											
30-015-00526	BRAINARD #001 OK	15329	501											
30-015-31994	St 25 #002 OK	28571	8150											
30-015-00646	DELHI #007 OK	15328	540											
30-015-00693	DELHI #001 OK	15328	528											
30-015-00649	St A #001 OK	15357	532											
30-015-00650	St A #002	15357	525	OK										
30-015-00654	DELHI #002 OK	15328	524											
30-015-00666	CONKLIN #001 OK	15365	533											
30-015-00669	HOMAN #001	15363	1804	OK										
30-015-00689	GATES St #001 OK	5689	557											
30-015-31036	GATES St #003	5689	614	OK										
30-015-00578	BERRY B #025	25539												
30-015-31790	BEECH Fed #002 OK	25028	7800	6915-6988 Wolfcamp	7/01	7 7/8	5 1/2 17#	0	7800'	TOC @ 5230' 500 w/ DV TOOL (14 PPG)		(DID NOT OPEN Pkr @ 5230, CMT 250SX on completion)		
30-015-32299	ENRON Fed #005	29217	0											
30-015-24092	SPRUCE Fed #001 OK	23530	9985	WC 6906-31	8/99	7 7/8	4 1/2 11.6#	0	7039	1840	CIRC (2 STGS)			
30-015-32069	FIR Fed #001 OK	28985	7208	W.C. 7040-6902	3/12/02	7 7/8	5 1/2 17#	0	7199	1790	CIRC 120 SX			
30-015-30812	BEECH Fed #001 OK	25028	7244		12/99		5 1/2 17#	0	3628	400 + 600	PLUGGED OH Back To above ABO (w/ PLUGS)			
30-015-00525	BRAINARD #002 OK	15329												
30-015-32037	BEECH Fed #004	25028	0											
30-015-32300	ENRON Fed #006	29217	0											
30-015-32036	BEECH Fed #003	25028	0											
30-015-32163	ENRON Fed #003 OK	29217	4000											
30-015-31283	RESLER St #001 OK	26502	3600				5 1/2		3598	700SX				
30-015-00692	St B #001	5377		OK										
30-015-31541	JEFFERS 36 St #003	27122	0											

API	WELL NAME	PROP	TVD	Current Perfs	Perf Date	Hole Size	Casing Size	Csg Top	Csg Bottom	Sacks Cmt	Ft3 Cmt	Reported Cmt Top	Stage Tool	Calculated Cmt Top
30-015-00651	DELHI #005	15328	499	— OK										
30-015-00653	S RED LAKE Gbg UNIT #001	25414		— OK —										
30-015-00691	DELHI #006	15328	OK											
30-015-23358	DELHI #008	15328	530	— OK —										
30-015-30907	NO BLUFF St COM #001	25212	9834 9917	9634-9658 Morrow	3/24/00	7 7/8	5 1/2 17# P110 LTC		9834	33 TES 2025	1.33 C E/SX			
30-015-00652	S RED LAKE Gbg UNIT #008	25414	OK				4 1/2"							
30-015-00657	MAGRUDER St #001	22350	P & A											
30-015-00658	S RED LAKE Gbg UNIT #013	25414	1700	— OK —										
30-015-00660	S RED LAKE Gbg UNIT #012	25414	1700	— OK										
30-015-00663	ACREY #002	15364	495	— OK —										
30-015-00664	S RED LAKE Gbg UNIT #009	25414	1700	1636-1960H	1947		4 1/2	0	1636	50				
30-015-00665	ACREY #003Y	15364	OK											
30-015-25670	ACREY #005	15364	560'	— OK —										
30-015-25969	S RED LAKE Gbg UNIT #047	25414	OK											
30-015-00667	S RED LAKE Gbg UNIT #011	25414	1700		'47		7"	0	1475					
30-015-00668	S RED LAKE Gbg UNIT #010	25414	1700		'47		7"	0	1500'					
30-015-00690	CONKLIN #002	15365	OK											
30-015-31123	NO BLUFF 36 St COM #002	25858	10050											
30-015-00647	GATES St #002	5689	— OK —											
30-015-31289	STALEY St #006	26503	0											
30-015-01633	ASTON & FAIR A #001	15360	525	— OK —										
30-015-02666	HUDSON SAIKIN St #001	6119	OK											
30-015-24887	HUDSON SAIKIN St #002	6119	OK											
30-015-32162	ENRON St #004	27087	0											

2/28/00 — no reported CBL on any Stage

API	WELL NAME	In Ap	Short Operator	NS	EW	UL	Sec	Tsp	Rge	Land Type	Well Type	Orig FORM (or NOTES)	P&A Date	STATUS	Latest Pool	GAS2002	OIL2002	WAT2002	OGRID	2002POOL
30-015-30868	BIRCH Fed #001	x	MACK CORP	2185N	1650E	G	25	17S	27E	F	O	WOLFCAMP	2000-02-15	ZONE ABAN		0	0	0	13837	0
30-015-31927	St 25 #001	x	Marbob	1650S	990E	I	25	17S	27E	S	O	LOGAN DRAW WOLFCAMP		ACTIVE	LOGAN DRAW;WOLFCAMP (O)	9366	2786	10	14049	96960
30-015-00526	BRAINARD #001	x	PRONGHORN	330S	1650E	O	25	17S	27E	F	O			ACTIVE		0	0	0	122811	0
30-015-31994	St 25 #002	x	Marbob	455S	990E	P	25	17S	27E	S	O	LOGAN DRAW WOLFCAMP		ACTIVE	LOGAN DRAW;WOLFCAMP (O)	16488	1335	10	14049	96960
30-015-00646	DELHI #007	x	PRONGHORN	990N	330E	A	36	17S	27E	S	O			T/A		0	0	0	122811	0
30-015-00693	DELHI #001	x	PRONGHORN	330N	330E	A	36	17S	27E	S	O			T/A		0	0	0	122811	0
30-015-00649	St A #001	x	PRONGHORN	990N	2310E	B	36	17S	27E	S	O	SR		SHUT IN		0	0	0	122811	0
30-015-00650	St A #002	x	PRONGHORN	330N	1650E	B	36	17S	27E	S	O			ACTIVE		0	0	0	122811	0
30-015-00654	DELHI #002	x	PRONGHORN	330N	1650W	C	36	17S	27E	S	O	ARTESIA		ACTIVE		0	0	0	122811	0
30-015-00666	CONKLIN #001	x	PRONGHORN	2310N	2310E	G	36	17S	27E	S	O			ACTIVE		0	0	0	122811	0
30-015-00669	HOMAN #001	x	PRONGHORN	2310N	330E	H	36	17S	27E	S	O			SHUT IN		0	0	0	122811	0
30-015-00689	GATES St #001	x	C E LARUE & B M MU	1650N	330E	H	36	17S	27E	S	O	YATES SEVEN RIVERS		ACTIVE		0	0	0	3292	0
30-015-31036	GATES St #003	x	C E LARUE & B M MU	2310N	990E	H	36	17S	27E	S	O	EMPIRE YESO SEVEN RIVERS		ACTIVE	EMPIRE; YATES-SEVEN RIVERS	0	20	67	3292	22230
30-015-00578	BERRY B #025		SDX	1650N	1650E	G	25	17S	27E	F	O	SAN ANDRES		ACTIVE	RED LAKE;Qn-Gbg-SA	22	0	0	20451	51300
30-015-31790	BEECH Fed #002	z	MACK CORP	1650S	1650E	J	25	17S	27E	F	O	LOGAN DRAW WOLFCAMP		ACTIVE	LOGAN DRAW;WOLFCAMP (O)	29986	3997	46	13837	96960
30-015-32299	ENRON Fed #005		SDX	1800S	2310E	J	25	17S	27E	F	O	RED LAKE Q-G-SA		NO COMPL		0	0	0	20451	0
30-015-24092	SPRUCE Fed #001	z	MACK	1650S	2310W	K	25	17S	27E	F	G	ABO		ACTIVE	LOGAN DRAW;WOLFCAMP (O)	63960	6063	46	13837	96960
30-015-32069	FIR Fed #001		MACK	1770S	990W	L	25	17S	27E	F	O	LOGAN DRAW WOLFCAMP		ACTIVE	LOGAN DRAW;WOLFCAMP (O)	4932	3045	10	13837	96960
30-015-30812	BEECH Fed #001	z	MACK CORP	330S	940W	M	25	17S	27E	F	O	WOLFCAMP		ACTIVE	RED LAKE; GLORIETA YESO, N EAST	854	400	3659	13837	96836
30-015-00525	BRAINARD #002		PRONGHORN	330S	2310W	N	25	17S	27E	F	O			ACTIVE	EMPIRE, YATES-SEVEN RIVERS	0	1	0	122811	22230
30-015-32037	BEECH Fed #004		MACK CORP	455S	2060W	N	25	17S	27E	F	O	LOGAN DRAW WOLFCAMP		NO COMPL		0	0	0	13837	0
30-015-32300	ENRON Fed #006		SDX	990S	2310W	N	25	17S	27E	F	O	RED LAKE Q-G-SA		NO COMPL		0	0	0	20451	0
30-015-32036	BEECH Fed #003	z	MACK CORP	330S	1775E	O	25	17S	27E	F	O	LOGAN DRAW WOLFCAMP		NO COMPL		0	0	0	13837	0
30-015-32163	ENRON Fed #003		SDX	990S	1650E	O	25	17S	27E	F	O	RED LAKE Q-G-SA		ACTIVE		0	0	0	20451	0
30-015-31283	RESLER St #001		SDX	330S	990E	P	25	17S	27E	S	O	RED LAKE-QN-GB-SA		ACTIVE	RED LAKE; GLORIETA YESO, N EAST	1807	1055	2759	20451	96836
30-015-00692	St B #001		W E JEFFERS	980N	2300E	B	36	17S	27E	S	O			ACTIVE		0	0	0	24304	0
30-015-31541	JEFFERS 36 St #003		SDX	460N	1650E	B	36	17S	27E	S	O	RED LAKE Q-G-SA		NO COMPL		0	0	0	20451	0

API	WELL NAME	In Ap	Short Operator	NS	EW	UL	Sec	Tsp	Rge	Land Type	Well Type	Orig FORM (or NOTES)	P&A Date	STATUS	Latest Pool	GAS2002	OIL2002	WAT2002	OGRID	2002POOL
30-015-00651	DELHI #005		PRONGHORN	990N	1650W	C	36	17S	27E	S	O			ACTIVE	EMPIRE; YATES-SEVEN RIVERS	0	20	0	122811	22230
30-015-00653	S RED LAKE Gbg UNIT #001		MCQUADRANGLE	660N	1650W	C	36	17S	27E	S	O			ACTIVE	RED LAKE;Qn-Gbg-SA	0	357	2211	185130	51300
30-015-00691	DELHI #006		PRONGHORN	990N	2310E	C	36	17S	27E	S	O			ACTIVE		0	0	0	122811	0
30-015-23358	DELHI #008		PRONGHORN	369N	2293W	C	36	17S	27E	S	O			ACTIVE		0	0	0	122811	0
30-015-30907	NO BLUFF St COM #001	z	SWERN	660N	860W	D	36	17S	27E	S	G	N ILLINOIS CAMP MORROW		ACTIVE	ILLINOIS CAMP;MORROW, N (GAS)	21153	122	24	148111	78890
30-015-00652	S RED LAKE Gbg UNIT #008		MCQUADRANGLE	1650N	330W	E	36	17S	27E	S	I			ACTIVE	RED LAKE;Qn-Gbg-SA	0	0	0	185130	51300
30-015-00657	MAGRUDER St #001		JKM	2310N	330W	E	36	17S	27E	S	O		2000-04-04	ZONE ABAN		0	0	0	163645	0
30-015-00658	S RED LAKE Gbg UNIT #013		MCQUADRANGLE	2310N	990W	E	36	17S	27E	S	O			SHUT IN	RED LAKE;Qn-Gbg-SA	0	0	220	185130	51300
30-015-00660	S RED LAKE Gbg UNIT #012		MCQUADRANGLE	2310N	1650W	F	36	17S	27E	S	O			ACTIVE	RED LAKE;Qn-Gbg-SA	0	99	1152	185130	51300
30-015-00663	ACREY #002		PRONGHORN	1650N	1655W	F	36	17S	27E	S	O			SHUT IN		0	0	0	122811	0
30-015-00664	S RED LAKE Gbg UNIT #009		MCQUADRANGLE	1650N	1650W	F	36	17S	27E	S	I			ACTIVE	RED LAKE;Qn-Gbg-SA	0	0	0	185130	51300
30-015-00665	ACREY #003Y		PRONGHORN	2260N	1650W	F	36	17S	27E	S	O			ACTIVE	EMPIRE; YATES-SEVEN RIVERS	0	1	0	122811	22230
30-015-25670	ACREY #005		PRONGHORN	1650N	2310W	F	36	17S	27E	S	O			ACTIVE	EMPIRE; YATES-SEVEN RIVERS	0	1	0	122811	22230
30-015-25969	S RED LAKE Gbg UNIT #047		MCQUADRANGLE	1980N	2310W	F	36	17S	27E	S	O			SHUT IN	RED LAKE;Qn-Gbg-SA	0	93	2284	185130	51300
30-015-00667	S RED LAKE Gbg UNIT #011		MCQUADRANGLE	2310N	2310E	G	36	17S	27E	S	I			ACTIVE	RED LAKE;Qn-Gbg-SA	0	0	0	185130	51300
30-015-00668	S RED LAKE Gbg UNIT #010		MCQUADRANGLE	1650N	2310E	G	36	17S	27E	S	O			SHUT IN	RED LAKE;Qn-Gbg-SA	0	207	14128	185130	51300
30-015-00690	CONKLIN #002		PRONGHORN	1830N	2205E	G	36	17S	27E	S	O			ACTIVE	EMPIRE; YATES-SEVEN RIVERS	0	1	0	122811	22230
30-015-31123	NO BLUFF 36 St COM #002	z	SWERN	1980N	760E	H	36	17S	27E	S	G	WILDCAT MISSISSIPPIAN		ACTIVE	ILLINOIS CAMP;MORROW, N (GAS)	6650	0	0	148111	78890
30-015-00647	GATES St #002		C E LARUE & B M MU	1650N	990E	H	36	17S	27E	S	O			SHUT IN		0	0	0	3292	0
30-015-31289	STALEY St #006		SDX	2010S	990W	3	30	17S	28E	S	O	RED LAKE-QN-GB-SA		NO COMPL		0	0	0	20451	0
30-015-01633	ASTON & FAIR A #001	x	PRONGHORN	330N	330W	1	31	17S	28E	S	O	WILDCAT		SHUT IN		0	0	0	122811	0
30-015-02666	HUDSON SAIKIN St #001		MACK	2310N	330W	2	31	17S	28E	S	O			ACTIVE	RED LAKE;Qn-Gbg-SA	0	26	0	13837	51300
30-015-24887	HUDSON SAIKIN St #002		MACK	2310N	990W	2	31	17S	28E	S	O			ACTIVE	RED LAKE;Qn-Gbg-SA	0	16	0	13837	51300
30-015-32162	ENRON St #004		SDX	460N	990W	D	31	17S	28E	S	O	RED LAKE Q-G-SA		NO COMPL		0	0	0	20451	0

HOLLAND & HART LLP
ATTORNEYS AT LAW

DENVER • ASPEN
BOULDER • COLORADO SPRINGS
DENVER TECH CENTER
BILLINGS • BOISE
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SANTA FE, NEW MEXICO 87504-2208
110 NORTH GUADALUPE, SUITE 1
SANTA FE, NEW MEXICO 87501-6525

TELEPHONE (505) 988-4421
FACSIMILE (505) 983-6043

William F. Carr

wcarr@hollandhart.com

June 14, 2002

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Marbob Energy Corporation
Post Office Box 227
324 W. Main Street #103
Artesia, New Mexico 88211-0227

Re: Application of Mack Energy Corporation for administrative approval of salt water disposal, Eddy County, New Mexico.

Ladies and Gentlemen:

This letter is to advise you that Mack Energy Corporation has filed the enclosed application with the New Mexico Oil Conservation Division seeking authorization to dispose of produced water in its Beech Federal Well No. 3 located 330 feet from the South line and 1775 feet from the East line of Section 25, Township 17 South, Range 27 East, NMPM, Eddy County, New Mexico. Mack Energy Corporation proposes to inject into the lower Abo formation through an injection interval of 6450 feet to 6594 feet. The initial maximum surface injection pressure proposed by Mack Energy corporation is 100 pounds and the maximum daily injection rate will be 1500 barrels of water.

If you have questions concerning this application, you may contact Ron Lanning at Mack Energy Corporation, Post Office Box 960, Artesia, New Mexico 88211-0960, telephone number (505) 748-1288.

Objections to this application or requests for hearing must be filed with the Oil Conservation Division, 1220 South Saint Francis Drive, Santa Fe, New Mexico 87505 within 15 days of the date of this letter.

Very truly yours,

William F. Carr
Attorney for Mack Energy Corporation

Enclosures

Page	: 1 of 1		
Printed	: 06/12/2002 10:06	Ad Number	: 11104424
Order Number	: 11104423	Publication	: Artesia Daily Press
PO Number	:	Category	: LEGAL NOTICE
Customer	: 10887482 - Holland & Hart and Campbell &	First Pub	: 06/14/2002
Contact	:	Last Pub	: 06/14/2002
Address1	: P.O. Box 2208	Days	: 1
Address2	:	Size	: 1 x 6.68, 54 lines
City	: Santa Fe, NM 87501-6525	Ad Rate	: open
Phone	: (505) 988-4421	Ad Price	: 25.26
Fax	:	Order Price	: 25.26
		Amount Paid	: 0.00
		Amount Due	: 25.26
Keywords	: LEGAL NOTICE Mack Energy Corporation, Post Office Box 960, Artesia, New Mexico		
Printed By	: Barbara Boans		
Entered By	: Barbara Boans		

LEGAL NOTICE

Mack Energy Corporation, Post Office Box 960, Artesia, New Mexico 88211-0960, has filed an Application with the New Mexico Oil Conservation Division seeking authorization to inject produced salt water in the Beech Federal Well No. 3 located 330 feet from the South line and 1775 feet from the East line of Section 25, Township 17 South, Range 27 East, NMPM, Eddy County, New Mexico. The source of the disposed water will be from wells in the area which produce from the Wolfcamp formation. The disposal water will be injected into the lower Abo formation at a disposal depth of 6450 feet to 6594 feet. A maximum surface injection pressure of 100 pounds (subject to subsequent increase after Division approved testing) and a maximum injection rate of 1500 BWPD. Any interested party with questions or comments may contact Ron Lanning at Mack Energy Corporation, Post Office Box 960, Artesia, New Mexico 88211-0960 or call (505) 746-2362. Objections to this application or requests for hearing must be filed with the Oil Conservation Division, 1220 South Saint Francis Drive, Santa Fe, New Mexico 87505, within fifteen days of the date of the publicalton of this notice. Published in the Artesia Daily Press, Artesia, New

DATE IN	SUSPENSE	ENG	LOGGED IN	TYPE	APP NO.

ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

1220 South St. Francis Drive, Santa Fe, NM 87505

ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Application Acronyms:

[NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]
[DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
[PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]
[WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]
[SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
[EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

[1] **TYPE OF APPLICATION** - Check Those Which Apply for [A]

[A] Location - Spacing Unit - Simultaneous Dedication

☐ NSL ☐ NSP ☐ SD

Check One Only for [B] or [C]

[B] Commingling - Storage - Measurement

☐ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

[C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery

☐ WFX ☐ PMX ☒ SWD ☐ IPI ☐ EOR ☐ PPR

[D] Other: Specify _____

[2] **NOTIFICATION REQUIRED TO:** - Check Those Which Apply, or ☐ Does Not Apply

[A] ☐ Working, Royalty or Overriding Royalty Interest Owners

[B] ☒ Offset Operators, Leaseholders or Surface Owner

[C] ☒ Application is One Which Requires Published Legal Notice

[D] ☒ Notification and/or Concurrent Approval by BLM or SLO
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office

[E] ☒ For all of the above, Proof of Notification or Publication is Attached, and/or,

[F] ☐ Waivers are Attached

[3] **SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.**

[4] **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that no action will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

Crissa D. Carter	Crissa D. Carter	Production Analyst	5/14/02
Print or Type Name	Signature	Title	Date

ccarter@pvtnetworks.net
e-mail Address

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
2040 SOUTH PACHECO
SANTA FE, NEW MEXICO 87505

FORM C- 108
Revised 4-1-98

APPLICATION FOR AUTHORIZATION TO INJECT

I. PURPOSE: _____ Secondary Recovery _____ Pressure Maintenance X Disposal _____ Storage
Application qualifies for administrative approval'? X Yes _____ No

II. OPERATOR: **Mack Energy Corporation**

ADDRESS: **P.O. Box 960, Artesia, NM 88211-0960**

CONTACTPARTY: **Matt J. Brewer** PHONE: **(505)748-1288**

III. WELL DATA: Complete the data required on the reverse side of this form for each well proposed for injection. Additional sheets may be attached if necessary.

IV. Is this an expansion of an existing project'? _____ Yes X No
If yes, give the Division order number authorizing the project: _____

V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.

VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.

VII. Attach data on the proposed operation, including:

1. Proposed average and maximum daily rate and volume of fluids to be injected;
2. Whether the system is open or closed;
3. Proposed average and maximum injection pressure;
4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and,
5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).

*VIII. Attach appropriate geologic data on the injection zone including appropriate lithologic detail, geologic name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/I or less) overlying the proposed injection zone as well as any such sources known to be immediately underlying the injection interval.

IX. Describe the proposed stimulation program, if any.

*X. Attach appropriate logging and test data on the well. (if well logs have been filed with the Division, they need not be resubmitted).

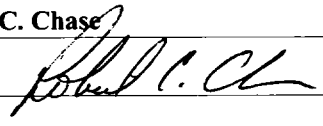
***XI. Attach a chemical analysis of freshwater from two or more freshwater wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples** were taken.

XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic **and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water.**

XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.

XIV. Certification: **I hereby certify that the information submitted with this application is true and correct to the best of my knowledge** and belief.

NAME: **Robert C. Chase** TITLE: **Vice President**

SIGNATURE:  DATE: **5/7/02**

* **if the information required under Sections VI, VIII, X, and XI above has been** previously **submitted, it need not be resubmitted. Please show the date and circumstances of the earlier submittal:** _____

DISTRIBUTION: Original and one copy to Santa Fe with one copy to the appropriate District Office

III. WELL DATA

A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:

(1) Lease name; Well No.; Location by Section, Township and Range; and footage location within the section.

(2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.

(3) A description of the tubing to be used including its size, lining material, and setting depth.

(4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District Offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.

(1) The name of the injection formation and, if applicable, the field or pool name.

(2) The injection interval and whether it is perforated or open-hole.

(3) State if the well was drilled for injection or, if not, the original purpose of the well.

(4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.

(5) Give the depth to and the name of the next higher and next lower oil or gas zone in the area of the well, if any.

XIV. PROOF OF NOTICE

All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

(1) The name, address, phone number, and contact party for the applicant;

(2) The intended purpose of the injection well; with the exact location of single wells or the Section, Township, and Range location of multiple wells;

(3) The formation name and depth with expected maximum injection rates and pressures; and,

(4) A notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, 2040 South Pacheco, Santa Fe, New Mexico 87505, within 15 days.

NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.

NOTICE: Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was mailed to them.

Side I

INJECTION WELL DATA SHEET

OPERATOR: **Mack Energy Corporation**

WELL NAME & NUMBER: **Beech Federal #3**

WELL LOCATION:	FOOTAGE LOCATION	UNIT LETTER	SECTION	TOWNSHIP	RANGE
	330 FSL & 1775 FEL	**O**	**25**	**17S**	**27E**

WELLBORE SCHEMATIC

WELL CONSTRUCTION DATA

Surface Casing

Hole Size: **12 1/4** Casing Size: **8 5/8 @ 400'**

Cemented with: **325** sx. or _____ ft

Top of Cement: **Circulated** Method Determined: _____

Intermediate Casing

Hole Size: _____ Casing Size: _____

Cemented with: _____ sx. or _____ ft

Top of Cement: _____ Method Determined: _____

Production Casing

Hole Size: **7 7/8** Casing Size: **5 1/2 @ 7955'**

Cemented with: **2300** sx. or _____ ft

Top of Cement: **Circulated** Method Determined: _____

Total Depth: **7961'**

Injection Interval

6450' feet to **6594' (Perforated)**

(Perforated or Open Hole; indicate which)

Side 2

INJECTION WELL DATA SHEET

Tubing Size: **2 7/8"** Lining Material: **Plastic Coated**

Type of Packer: **Haliburton Trump Packer**

Packer Setting Depth: **6400'**

Other Type of Tubing/Casing Seal (if applicable): _____

Additional Data

1. Is this a new well drilled for injection? [ ] Yes [X] No

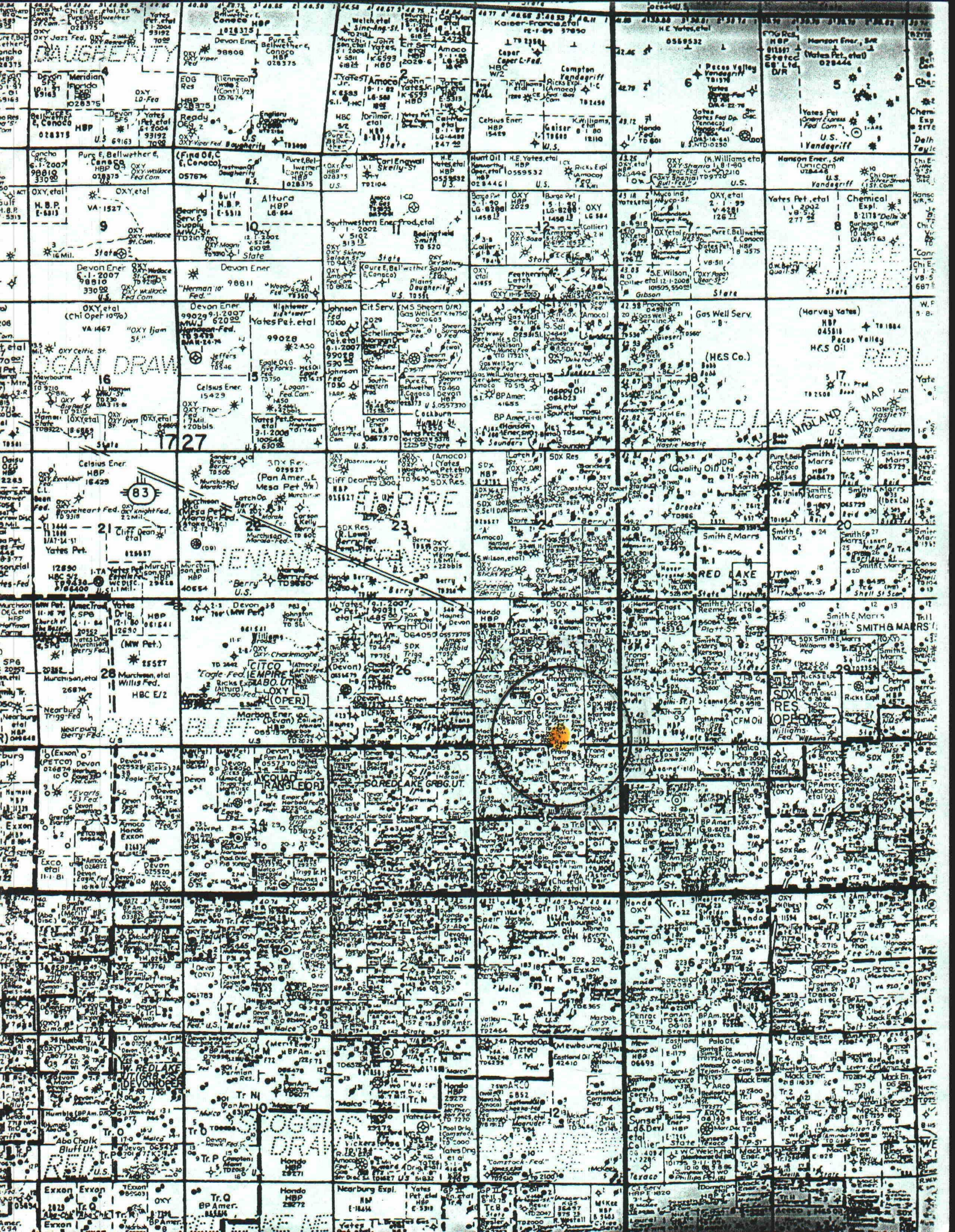
   If no, for what purpose was the well originally drilled? **Wolfcamp Test**

2. Name of the Injection Formation: **Lower Abo (Lanier)**

3. Name of Field or Pool (if applicable): **Lower Abo (Lanier)**

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. **Yes, will squeeze perfs from 6107-6252.5' and test to 500# for 30 minutes.**

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: **7 Rivers, Queen, San Andres, Gloritta, Tubb, Abo, Wolfcamp,**



DAUGHERTY
LOGAN DRAW
EMPIRE
CHALK BLUFF
RED LAKE
SMITH & MARRS
SO. RED LAKE GRBG.UT.

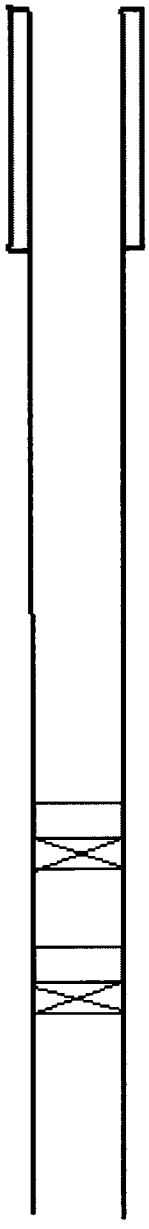
VI. TABULATION OF DATA OF AREA OF REVIEW

See Attached

AREA OF REVIEW WELL DATA

LEASE	WELL#	LOCATION	TD (PBTD)	TYPE & DATE DRILLED	HOLE SIZE	CASING SIZE & WEIGHT	SETTING DEPTH	SX CMT	TOC	PERFS
Beech		330' FSL 940' FWL	7244'	Oil	12 1/4	8 5/8, 32#	358'	250	circ	
30-015-30812	1	25-17S-27E	3615'	11/19/99	7 7/8	5 1/2, 17#	3628'	1000	circ	3195-3552'
Beech		1650' FSL 1650' FEL	7800'	Oil	12 1/4	8 5/8, 32#	395'	350	circ	
30-015-31790	2	25-17S-27E	(7752)	5/31/01	7 7/8	5 1/2, 17#	7800'	1600	circ	6915-6988'
Beech		330' FSL 1775' FEL	7961'	Oil	12 1/4	8 5/8, 32#	400'	325	circ	6450-6594'
30-015-32036	3	25-17S-27E	(6385')	11/05/01	7 7/8	5 1/2, 17#	7955'	2300	circ	6107-6252.5'
Birch		2185' FNL 1650 FEL		Oil	12 1/4					
30-015-30868	1	25-17S-27E	7814'	1/13/00	7 7/8	8 5/8, 32#	321'	300		Plugged
No Bluff		660' FNL 860' FWL	9917'	Gas	17 1/2 12 1/4	13 3/8, 61# 8 5/8, 32#	445' 1855'	550 900	circ circ	
30-015-30907	1	36-17S-27E	(9838')	1/19/00	7 7/8	5 1/2, 17#	9917'	N/A	no	9634-9658'
No Bluff		1980' FNL 760' FEL		Gas	17 1/2 12 1/4	13 3/8, 48# 8 5/8, 32#	425' 2000'	450 650	circ circ	
30-015-35359	2	36-17S-27E	10050'	3/18/01	7 7/8	5 1/2, 17#	10050'	553	no	9927-9964'
Spruce	1	1650' FSL 2310' FWL 25-17S-27E	9985'	Oil 8/28/98	17 1/2 11 7 7/8	13 3/8, 48# 8 5/8, 32# 4 1/2, 11.6#	423' 1949' 7039'	300 750 1840	circ circ circ	6906-6931'
State 25	1	1650' FSL 990' FEL 25-17S-27E	8130' (8047')	Oil 8/8/01	12 1/4 7 7/8	8 5/8, 24# 5 1/2, 17#	395' 8097'	300 1650	circ circ	6992-7000' 6908-6916'
State 25	2	455' FSL 990' FEL 25-17S-27E	8150' (7275')	Oil 10/16/01	12 1/4 7 7/8	8 5/8, 24# 5 1/2, 17#	428' 8150'	350 1455	circ circ	7143-7768' 6856-6979'

Mack Energy Corporation
Beech Federal #3



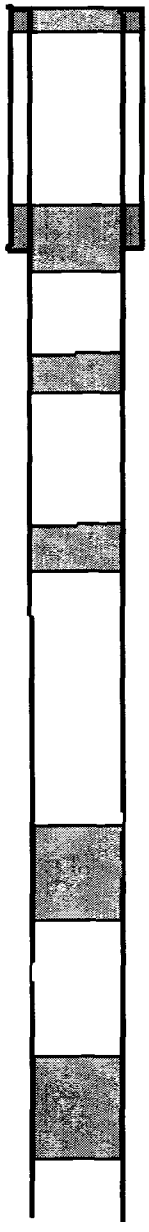
8 5/8 casing set @ 400' C/w 325sx Class C (circ 92sx)

CIBP set @ 6420' w/35' cement cap

CIBP set @ 6555' w/35' cement cap

5 1/2 casing set @ 7955' C/w 2300sx (circ 118sx)

Mack Energy Corporation
Birch Federal #1



15sx surface plug

8 5/8 casing set @ 321'

35sx plug from 375-275'

45sx plug from 1770-1620'

45sx plug from 3150-3100'

70sx plug from 6440-6240'

70sx plug from 7720-7520'

Open hole to 7814'

VII. DATA SHEET: PROPOSED OPERATIONS

1. Proposed average and maximum daily rate and volume of fluids to be injected;
   Respectively, 500 BWPD and 1500 BWPD

2. The system is closed or open;
   Closed

3. Proposed average and maximum injection pressure;
   Vacuum-100#

3. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than re-injected produced water;
   We will be re-injecting produced water

5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water;
   See attached