District I - (505) 393-6161 1625 N. French Dr Hobbs, NM 88241-1980 District II - (505) 748-1283 811 S. First Artesia, NM 88210 District III - (505) 334-6178 1000 Rio Brazos Road Aztec, NM 87410 District IV - (505) 827-7131

Operator and Well

New Mexico

Form C-142 Date 06/99

Energy Minerals and Natural Resources Department

Oil Conservation Division

2040 South Pacheco Street Santa Fe, New Mexico 87505 (505) 827-7131

SUBMIT ORIGINAL PLUS 2 COPIES TO THE SANTA FE **OFFICE** 9 1999

DOLLO CONSERVATION DEVISION

APPLICATION FOR NEW WELL STATUS

Operator	r name & add	iress	M		gy Corpo					OGRID NU	imber
			Δ.		Box 960 M 88211						013837
Contact	Party		A							Phone	
				Rober	t C. Chas	se		T		1011	(505)748-1288
Property	Name		Mohav	k Feder	al			Well Number		API Numbe	30-015-30630
UL M	Section 14	Township 17S	Range 30E	Feet From	n The	North/South L South	ine Fee	From The 330	East/	Vest Line West	County Eddy, NM
II.		me Informa			D-4- 0	laka d	La				
Spud Da	te 6/26/99	Spt	d Time 5:00 pr	n	Date Comp 7/2	13/99	Pool		Loco	o Hills Pa	ddock
III. IV. V.	3160-4	showing was list of all	ell was co	mpleted :	as a prodi	3160-5 show ucer. their percen			comme	enced and	Form C-105 or Federal Form
	County Rot 1. 2.	of pert C. Ch	Operator,	or author	ized repre	n, upon oath esentative of plication is co	f the Opera	tor, of the ab d correct.	ove-refe	erenced w	ell.
Signat	ırè 🥰	hall	00_		Title		Vice Pres	dent	Da	te	8/16/99
	RIBED #	• 34		ore me th	nis <u>16th</u>	_ day 01	August August ary Public	1999	> (and	
FOR C	OIL CONSI	RVATION	DIVISION	USE ON	NLY:		3. 33			,	
VI.	This App	FICATION (plication is h exation and	ereby appro	ved and t	he above-r of this App	referenced we proval.	ell is designa	ted a New We	ell. Byco	opy hereof,	the Division notifies the Secretary
Signatur	е				T	itle					Date
VII.	DATE O	F NOTIFIC	ATION TO 1	HE SECF	RETARY O	F THE TAXA	TION AND I	REVENUE DE	PARTME	ENT:	

NOTICE: The operator must notify all working interest owners of this New Well certification.

. Form 3160-4 (Cataber 1990)

DEPARTMENT OF THE INTERIOR CONTROL CON

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

5. LEASE DESIGNATION AND SERIAL NO.

		BUREA	U OF LAN	U MAN	AGEME	A I						33233
WELL C	OMPLE	TION OF	RECO	MPLE	TION	REP	ORTAN	ID LO	5 *	6. IF INDIAN	, ALLO	TTEE OR TRIBE NAME
a. TYPE OF WEI	LL:	OIL X	GAS WELL	3	DRY 🗌	Other			:	7. UNIT AGR	EEMEN	TNAME
b. TYPE OF COM	MPLETION:			_								
NEW WELL	WORK T	DEEPEN T	PLUG E		FF.	Other	and the second second			8. FARM O	R LEA	SE NAME, WELL NO
WELL KEN	OVER L		J BACK L		3VK			_		Moh	awk	Federal #1
		ion								9. API WELL	NO.	
Mack Energy 3. ADDRESS AND	Corporat	NE NO							-	3	0-015	-30630
P.O. Box 960,			-0960		(5	05) 7	48-1288			IO. FIELD AN	D POO	L, OR WILDCAT
4. LOCATION OF	WELL (Rep	ort location cle	arly and in	accordan	ce with any	State	requirement	s)°		Loca	o Hills	s Paddock
At surface	(110)				990 FSL	. 330	FWL					R BLOCK AND SURVEY
		and the state of			000 FCI	220	E\A/I			OR ARE		
At top prod. Int	ervai report	ed Below			990 FSL	_ 330	LAAL					
At total depth					990 FSL	. 330	FWL			Sec	: 14 T	17S R30E
			Г	14. PERM	IT NO.		DATE	ISSUED		12. COUNTY PARISH Edd	OR	13. STATE
											-	NM
15. DATE SPUDDED	16. DATE T.	D. REACHED	17. DATE 0	-	eady to prod.)		18. ELEVAT	IONS (DF, RK		, ETC.)*	19. EL	EV. CASING HEAD
6/2 5 /199	7	17/99		7/23	/99			3689	RKB		<u> </u>	3677
20. TOTAL DEPTH, MC	& TVD	21. PLUG, BAC	K T.D., MD & T	VD	22. IF MULT		APL.,	23. INTER		ROTARY TO	OLS	CABLE TOOLS
5080			5031		HOW MA	INY.		DRIEL)	Yes		
24. PRODUCING IN	TERVAL (S),	OF THIS COMP	LETION - TO	P, BOTTO	M, NAME (MD AND	TVD)*				25.	WAS DIRECTIONAL
												SURVEY MADE
			453	4.5-482	29, Padd	lock						Yes
26. TYPE ELECTRIC	C AND OTHER	R LOGS RUN									27. W	AS WELL CORED
	Gamma	Ray, Neu							<u>y</u>			No
28.			CAS	SING RE			Il strings set					
CASING SIZE/GRAD	DE WEIG	HT, LB./FT	DEPTH S	ET (MD)	но	LE SIZE		TOP OF CEM		ENTING RECOR	D	AMOUNT PULLED
13 3/8		48	30	08	1	7 1/2			550s			None
8 5/8		24	12	06	1	2 1/4			650s			None
5 1/2		15.5	50	44		7 7/8			1050	SX		None
								30.		UBING REC	ORD	
29.		LINE	R RECORD					SIZE		DEPTH SET		PACKER SET (MD)
SIZE	TOP(M	AD) BO	TTOM (MD)	SACKS	CEMENT	SCR	EEN (MD)	2 7/1	-	4842	(mu)	PACKER SET (MD)
								2 110	-	4042		
						T				UDE CEME	NT COI	JEEZE ETC
31. PERFORATION	RECORD (I	nterval, size a	id number)			32.				URE, CEMEI		ATERIAL USED
							TH INTERVA					NE acid
							4534.5-4					% NE acid
							4534.5-4	029		32,000 ga	15 20	76 IVE doid
	453	4.5 - 4829, 1	1/2 78								_	
					880	DUCTION	ON					
33.				-						WELLS	TATUS (Producing or
DATE FIRST PRODU		PRODUCTI	ON METHOD (/	2 1/2	x 2 20 F	RHBC	HVR PA	PBNC		shut-i	n)	Producing
DATE OF TEST	HOURS	TESTED	CHOKE SIZE	PRO	D'N FOR	OIL-BI		GAS-MC	F.	WATER-BB	IL.	GAS-OIL RATIO
8/12/1999		24		TES	T PERIOD		105	12	21	435		1152
			CALCULATE	D OII	L-BBL.	$-\tau$	GAS-MCF.		WATER	- BBL.	OIL GR	AVITY - API (CORR.)
FLOW. TUBING PR	ESS. CASING	PRESSURE	24-HOUR RA	TE	105		121	1		435		38
34. DISPOSITION	OF GAS (So	old, used for fue	I, vented, etc	:.)				! PE	TED	FD FOR RECOI		
						Sold		P	X	W. CHEST	RD -	7
35. LIST OF ATTA	CHMENTS						1	12	Ken	7/1/00	FR	7
						4-1-1	<u>j</u>	s determin	History	W C UT	record	ial.
36. I hereby cert	tify that the	foregoing an	attached I	nformati	on is comp	piete ar	_ correct a			3 1363		Γ
SIGNED	ussa	D. (ate	1	TITLE		Produ¢ਜ਼ਿ	onuanaly	st	DA	TE	/8/16/1999
SIGNED	1							ROSWEI	LAND	MANAGEN		
				-		A J J L	and Date	an Dave	3	MARCEUEN	MENT.	1

*(See Instructions and spaces for Additional Data on Reverse Steen CE AREA

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 38. GEOLOGIC MARKERS recoveries): BOTTOM FORMATION TOP DESCRIPTION, CONTENTS, ETC. TOP NAME TRUE VERT.DEPTH MEAS.DEPTH Loco Hills Paddock 4496 4876 2522 Queen 2965 San Andres 4425 Glorietta

Form 3160-5 (June 1990)

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

OPERATOR'S COPY

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31,1993

5. Lease Designation and Serial No.

		LC-055259
Do not use this form for proposals to dr	AND REPORTS ON WELLS ill or to deepen or reentry to a different reservoir. PR PERMIT—" for such proposals	6. If Indian, Allottee or Tribe Name
	IN TRIPLICATE	7. If Unit or CA, Agreement Designation
I Type of Well Oil Gas Well Well Other		8. Well Name and No.
2. Name of Operator		Mohawk Federal #1
	nergy Corporation	9. API Well No.
3. Address and Telephone No.	Artesia, NM 88211-0960 (505)748-1288	30-015-30630
4. Location of Well (Footage, Sec., T. R., M. or Survey De	titesta, titi dozii dod	Loco Hills Paddock
Sec-14,T17S-R30	DE 990 FSL & 330 FWL	11. County or Parish, State
		Eddy, NM
12. CHECK APPROPRIATE BOX	(s) TO INDICATE NATURE OF NOTICE, REPO	RT, OR OTHER DATA
TYPE OF SUBMISSION	TYPE OF ACTION	
Notice of Intent	Abandonment	Change of Plans
Troute of Mich	Recompletion	New Construction
Subsequent Report	Plugging Back	Non-Routine Fracturing
	Casing Repair	Water Shut-Off
Final Abandonment Notice	Altering Casing Other Surface Casing	Conversion to Injection
	Other Surface Casing	Dispose Water (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)
Mack Energy Corporation is drilling the Mohdrilling the 17 1/2" hole, lost circulation at 18 casing to go any deeper. Called David Glass 6/26/1999 Spud 17 1/2" hole @ 5:00PM. Lo	7 joints 13 3/8" K-55 ST&C 48# csg & hit bridge @ 311 No circ ready mix w/10 yds. Plug down @ 1:30 PM. ACCE	8" casing to 308' and could not get ne 13 3/8" casing at 308'.
14. I hereby certify that the foregoing is true and correct	The state of the s	acs
Signed Class D (at	Title Production Analyst	Date
(This space for Federal or State office use)		
Approved by	Title	Date
Conditions of approval, if any:		

PROPERTY	DOI	MO/YR	PROPERTY NAME		INTEREST	LAST
			OWNER SQ OWNER NAME	INTEREST	TYPE	CHANGE
001342 001	J 1	01/98	MOHAWK FEDERAL 1			
			006172 00 THE HOMESTAKE OIL & GAS CO.	.06250000	1 WOR	6/24/99
			999101 00 CHASE OIL CORPORATION	.60937500	1 WOR	6/24/99
			999104 00 RICHARD L. CHASE	.02812500	1 WOR	6/24/99
			999105 00 GERENE DIANNE CHASE CROUCH	.01875000	1 WOR	6/24/99
			999106 00 ROBERT C. CHASE	.04687500	1 WOR	6/24/99
			999107 00 MACK C. CHASE TRUST	.23437500	1 WOR	6/24/99
			TOTAL INTEREST	1.00000000		

District | - (505) 393-6161 1625 N. French Dr Hobbs, NM 88241-1980 District || - (505) 748-1283 811 S. First Artesia, NM 88210 District || | - (505) 334-6178 1000 Rio Brazos Road Aztec, NM 87410 District || V - (505) 827-7131

New Mexico

Form C-142 Date 06/99

Energy Minerals and Natural Resources Department

Oil Conservation Division 2040 South Pacheco Street

> Santa Fe, New Mexico 87505 (505) 827-7131



APPLICATION FOR NEW WELL STATUS

ne Town		tesia, NM Robert	Box 960 1 88211 C. Chas	-0960				Phone	013837	
ne		Robert						Dhana	013037	
ne	Mohaw		C. Chas	se						
	Mohaw	1 5 1						1 Hone	(505)748-1288	
Mohawk Federal Ul Section Township Range 790 North/South Line South 330 East West Line West Lin										
14 1	rship Range 30E	Feet From	The 0	North/South L South	ine Fe	et From The 330	East/	Vest Line West	County Eddy, NM	
Date/Time In	ormation									
6/99	Spud Time	ո [՝	Date Comp 7/2	23/99	Pool		Loc	o Hills P	addock	
160-4 show	ing well was co	mpleted a	s a prod	ucer.	-		comm	enced and	Form C-105 or Federal	i Form
. I an	Eddy Chase , be	——) eing first de or authoriz	uly swori	esentative of	the Oper	ator, of the ab	oove-re	ferenced v	vell.	
Color	1100		Title		Vice Pre	sident	D	ate	8/16/99	
BED AND			s <u>16th</u>		1 ri	1999	<u>)</u> (Part	7	
niaxe noiseir	es: <u> : 12</u>	2-9-99		Nota	ary Public					
			-							
CONSERVA	TION DIVISION	LUSE ON	LY:							
his Application	ION OF APPRO n is hereby appro n and Revenue D	oved and th	e above- of this Ap	referenced we proval.	ell is desigr	nated a New W	ell. By o	opy hereof	, the Division notifies the S	ecreta
	tach copies 160-4 show ttach a list of FFIDAVIT: tate of Ounty of Robert C I am To tr	Spud Time 5:00 pn ttach copies of Form C-103 160-4 showing well was contach a list of all working int FFIDAVIT: tate of New Mexico county of Eddy Robert C. Chase be I am the Operator, To the best of my k BED AND SWORN TO before significant and the second significant significant and the second significant	ttach copies of Form C-103 or Federa 160-4 showing well was completed a ttach a list of all working interest own FFIDAVIT: tate of	ttach copies of Form C-103 or Federal Form 160-4 showing well was completed as a prodittach a list of all working interest owners with FFIDAVIT: tate of	Spud Time 5:00 pm Date Completed 7/23/99 Ittach copies of Form C-103 or Federal Form 3160-5 show 160-4 showing well was completed as a producer. Ittach a list of all working interest owners with their percent FFIDAVIT: Itate of New Mexico ss. Sounty of Eddy ss. Robert C. Chase being first duly sworn, upon oath I am the Operator, or authorized representative of To the best of my knowledge, this application is continued in the completed 7/23/99 BED AND SWORN TO before me this 16th day of Nota inscion expires 12-9-99 Nota 150-100 pm 16-100 pm 16-1	ttach copies of Form C-103 or Federal Form 3160-5 showing date/ 160-4 showing well was completed as a producer. Itach a list of all working interest owners with their percentage interest owners with their percentage interest owners of	ttach copies of Form C-103 or Federal Form 3160-5 showing date/time of drilling 160-4 showing well was completed as a producer. Itach a list of all working interest owners with their percentage interests. FFIDAVIT: Itate of	Spud Time 5:00 pm Date Completed 7/23/99 Pool Loc Itach copies of Form C-103 or Federal Form 3160-5 showing date/time of drilling comm 160-4 showing well was completed as a producer. Itach a list of all working interest owners with their percentage interests. FFIDAVIT: Itate of New Mexico Ss. Sounty of Eddy Robert C. Chase being first duly sworn, upon oath states: I am the Operator, or authorized representative of the Operator, of the above-reference to the best of my knowledge, this application is complete and correct. Title Vice President Display And SWORN TO before me this 16th day of August 1999 Jacobson August 1999 Jacobson Robert C. Chase Supplies 12-9-99 Notary Public	Spud Time 5:00 pm Date Completed 7/23/99 Pool Loco Hills Potatach copies of Form C-103 or Federal Form 3160-5 showing date/time of drilling commenced and 160-4 showing well was completed as a producer. Itach a list of all working interest owners with their percentage interests. FFIDAVIT: Itate of New Mexico Ss. Sounty of Eddy Ss. Sounty of Eddy St. St.	Spud Time 5:00 pm Date Completed 7/23/99 Pool Loco Hills Paddock Itach copies of Form C-103 or Federal Form 3160-5 showing date/time of drilling commenced and Form C-105 or Federal 160-4 showing well was completed as a producer. Itach a list of all working interest owners with their percentage interests. FFIDAVIT: Itate of New Mexico Ss. Sc. Sounty of Eddy Robert C. Chase Being first duly sworn, upon oath states: I am the Operator, or authorized representative of the Operator, of the above-referenced well. To the best of my knowledge, this application is complete and correct. Title Vice President Date 8/16/99 BED AND SWORN TO before me this 16th day of August 1999 Notary Public

NOTICE: The operator must notify all working interest owners of this New Well certification.

Form 3160-4 1 (Cotcber 1990)

INTED STATES ATORS BMITH OUPLICATE (Souther Internation on DEPARTMENT OF THE INTERIOR

ru...rse side)

FOR APPROVED OMB NO. 1004-0137 Expirés: Décember 31,1991

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

•	-			-			-	-						
		RI	IR	F	ΔII	0	F	L	AND	MA	NA	GE	MEN	T

6. LEASE DESIGNATION AND SERIAL NO. LC-055259

WELLCO	OMPLE"	TION	OR	RECOM	IPLE	TION F	REPORT	AN	D LOG					
a. TYPE OF WEL		OIL		GAS WELL]	DRY .) Other <u></u>			<u>:</u>	7. UNIT	AGREE	MENT	NAME
b. TYPE OF COM		_ 0000	. —	nuic E	D DIA	FF					O FAR	MOR	LEAS	E NAME, WELL NO
MELL NEW	WORK OVER	DEEPE	<u>" </u>	PLUG BACK		SVR.	Other							ederal #1
NAME OF OPERAT		:									9. API W	ELL N	Ο.	
Mack Energy (Jorporau	NE NO												-30630
P.O. Box 960.	Artesia.	NM 88	211-0	960			05) 748-12				4			OR WILDCAT
LOCATION OF V	NELL (Repo	rt locatio	n clea	rly and in ac	cordan	ce with any	State require	ments)*					Paddock
Atsurface		-				990 FSL	330 FWL					., T., R.		R BLOCK AND SURVEY
At top prod. inte	rval reporte	ed below	,			990 FSL	330 FWL					AINEO		
At total depth						990 FSL	330 FWL							17S R30E
					I4. PERMI	T NO.		DATE I	SSUED		12. COL PAE	Eddy	r r	13. STATE NM
15. DATE SPUDOED	16. DATE T.C	D. REACHE	D	17. DATE CO	MPL. (Re	ady to prod.)	18. El	EVATIO	ONS (DF, RK		, ETC.)*		19. ELE	EV. CASING HEAD
6/20/99		17/99			7/23	/99			3689	RKB				3677
20. TOTAL DEPTH, MD		21. PLUG	, BACK	T.D., MD & TV	D	22. IF MULTI HOW MA			23. INTERV DRILLE			'Y TOO!	.s	CABLE TOOLS
5080					POTTO	MA NAME (4D AND TVD)*						25. \	WAS DIRECTIONAL
24. PRODUCING INT	rerval (S),	OF THIS	COMPL	ETION - TOP	BOLIC	M, NAME (and and ittely							SURVEY MADE
				4534	5-482	29, Padd	ock							Yes
26. TYPE ELECTRIC	AND OTHER	R LOGS R	UN					Gan	ma Pay	,			27. W	NO NO
	Gamma	Ray,	Neuti	ron, Den	sity, L	ateralog	, Spectral	Gail	illia itaj					
28.							eport ell string	3 501 11	TOP OF CEM	ENT. CEM	ENTING RI	ECORD		AMOUNT PULLED
CASING SIZE/GRAD	E WEIG	HT, LBJFT		DEPTH SE			7 1/2	_	101 01 00	550s				None
13 3/8		48		30			2 1/4			650s				None
8 5/8		24		120 504			7 7/8	-		1050				None
5 1/2		15.5		504			770	_						
	1		INER	RECORD					30.	1	TUBING	RECC	RD	
SIZE	TOP (N			TOM (MD)	SACKS	CEMENT	SCREEN (MI	D)	SIZE		DEPTH	SET (A	(O)	PACKER SET (MO)
3122				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					2 7/8	3	4	842		
31. PERFORATION	RECORD (I	nterval, s	ize and	number)			32.			FRAC	TURE, C	EMEN	TSQL	JEEZE, ETC
							DEPTH IN			AM				NE acid
							4534				2500	gais	200	% NE acid
							4534	.5-48	329		32,000	y yai	5 20 /	18L acid
	450	4.5-48	20 1	12 78										
	453	4.5-46	23, 1	72, 70		550	DUCTION							
DATE FIRST PROD		PRO	ристю	N METHOD (F	lowing, ga	e lift ourmoing	- size and type of RHBC HVF	pump)	PNC		W	VELL S1		Producing or Producing
8/7/1						D'N FOR	OIL-BBL.	CI AI	GAS-MC	F.	WATE	R-BBI		GAS-OIL RATIO
8/12/1999	HOURS	TESTED 24	10	HOKE SIZE		T PERIOD	105		12			435		1152
FLOW, TUBING PR	ESS. CASING	G PRESSU	RE	CALCULATE		L-BBL.	GAS-	MCF.		WATER	435		OIL GR	AVITY - API (CORR.)
					<u>> </u>	105		121		AUCEP!				
34. DISPOSITION	OF GAS (S	old, used	for fuel,	, vented, etc.	.)		Sold			TER	W. CH	RECOR	0	
35. LIST OF ATTA								1	02	lez	W.C	-113		7
36. I hereby cer	tify that the	foregol	ng and	attached la	nformat	ion Is com	plete and cor	recta	s determin	Halfro	3 3 P.	ilabie)	record	1
SIGNED	"ussi		: (ate		TITLE	Prod	lugtid	ROSWEI	st	**	DAT	TE	8/16/1999
SIGNED								_		RES	D MAN, OUR CE	AGFA	15.	
		*(Se	e inst	ructions	and so	aces for	Additional	Data	on Rev	erse S	HOPCE	ARE	A	
Tialo 40 11 0 C	Section 4	-					1 1	اللثيبيات	fully to m	aka to	anv de	กลศต	مادور	r agency of the
Title 18 U.S.C. United States a	any false, i	fictitiou	s or fr	audulent	stateme	ents or re	presentation	ns as	to any m	atter w	ritnin its	juris	aictic	/I I.

Form 3160-5 (June 1990)

UNITED STATES DEPARTMENT OF THE INTERIOR

- +	FORM APPROVED
NOCOLUMN STATES OF	Budget Bureau No. 1004-0135
OPERATOR'S CO	Expires: March 31,1993
	6 Lance Designation and Social Ma

	Expires: Mai	rcn 3	1,179.	<u> </u>
Lease	Designation	and	Serial	No

SUNDRY NOTICES Do not use this form for proposals to dr Use "APPLICATION FO	AND REPORTS ON WELLS ill or to deepen or reentry to a different reservoir. OR PERMIT—" for such proposals TIN TRIPLICATE	Lease Designation and Serial No. LC-055259 6. If Indian, Allottee or Tribe Name 7. If Unit or CA, Agreement Designation
Type of Well Oil Well Well Other Name of Operator		8 Well Name and No. Mohawk Federal #1
Address and Telephone No.	nergy Corporation (505)748, 1288	9 API Well No. 30-015-30630
P.O. Box 960, Location of Well (Footage, Sec., T. R., M. or Survey De		10. Field and Pool, or Exploratory Area Loco Hills Paddock 11. County or Parish, State Eddy, NM
CHECK APPROPRIATE BOX	(s) TO INDICATE NATURE OF NOTICE, REPO	RT, OR OTHER DATA
TYPE OF SUBMISSION	TYPE OF ACTION	
Notice of Intent Subsequent Report Final Abandonment Notice	Abandonment Recompletion Plugging Back Casing Repair Altering Casing Other Surface Casing	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 Record and Log form.)

give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)*

Mack Energy Corporation is drilling the Mohawk Federal #1 and has encountered a problem with setting surface casing @ 450'. While drilling the 17 1/2" hole, lost circulation at 183', partial returns back at 260' to 455' at TD. Ran 13 3/8" casing to 308' and could not get casing to go any deeper. Called David Glass with the BLM in Roswell and obtained a verbal to set the 13 3/8" casing at 308'. 6/26/1999 Spud 17 1/2" hole @ 5:00PM. Lost circ @ 183'.

6/27/1999 TD 17 1/2" hole @ 453'. RIH w/ 7 joints 13 3/8" K-55 ST&C 48# csg & hit bridge @ 311'. BLM gave permission to Land csg

@ 308' & RU BJ c/w 550sx Class C 2% CC. No circ ready mix w/10 yds. Plug down @ 1:30 PM.

JUL 15 18	Da _{de} de La companya de la comp La companya de la companya dela companya de la companya dela companya de la companya de la companya de la companya dela companya de la companya de la companya de la companya de la co		JUL 3 IN 12	
14. I hereby certify that the foregoing is true and correct Signed	Title	Production Analyst	Date7/8/99	=
(This space for Federal or State office use) Approved by Conditions of approval, if any:	Title		Date	

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 statement or representations as to any matter within its jurisdiction.

OWNER SO OWNER NAME

006172 00 THE HOMESTAKE OIL & GAS CO.

999105 00 GERENE DIANNE CHASE CROUCH

999101 00 CHASE OIL CORPORATION

999104 00 RICHARD L. CHASE

999106 00 ROBERT C. CHASE

DOI MO/YR PROPERTY NAME

001342 001 J1 01/98 MOHAWK FEDERAL 1

PROPERTY

INTEREST LAST INTEREST TYPE CHANGE 6/24/99 1 WOR .06250000 .60937500 6/24/99 1 WOR 6/24/99 .02812500 1 WOR 6/24/99 1 WOR .01875000 6/24/99 .04687500 1 WOR 6/24/99 .23437500 1 WOR

999107 00 MACK C. CHASE TRUST TOTAL INTEREST 1.00000000

District I - (505) 393-6161 1625 N. French Dr Hobbs, NM 88241-1980 District II - (505) 748-1283 811 S. First Arlesia, NM 88210 District III - (505) 334-6178 1000 Rio Brazos Road Aztec, NM 87410

District IV - (505) 827-7131

New Mexico

Energy Minerals and Natural Resources Department

Oil Conservation Division 2040 South Pacheco Street Santa Fe, New Mexico 87505

(505) 827-7131

SUBMIT ORIGINAL PLUS 2 COPIES TO THE SANTA FE OFFICE

OCT | 9 | 1999

SERVATION DVISION

APPLICATION FOR NEW WELL STATUS

<u>l.</u>	Operator and vve								<u> </u>
Operator	name & address	Ma	ack Energy Corpo	oration				OGRID N	ımber
			P.O. Box 960	1					
		Ar	tesia, NM 88211	-0960					013837
Contact I	Party							Phone	013037
			Robert C. Chas	se					(505)748-1288
Property	Name	Mohaw	k Federal			Well Number		API Numb	er 30-015-30630
UI _M	Section Township	Range 30E	Feet From The 990	North/South L South	ine Fee	From The 330	East/	Vest Line Vest	County Eddy, NM
	Date/Time Inform	ation							3,
Spud Dat	5/26/99 Sp	ud Time 5:00 pm	Date Comp 7/2	leted 3/99	Pool		Loca	Hills Pa	ddock
10.	Attach copies of F	orm C-103	or Federal Form 3	3160-5 show	ing date/ti	ne of drilling	comme	nced and	Form C-105 or Federal Form
	3160-4 showing v	vell was cor	mpleted as a produ	icer.		no or arming	001111110	nioca ana	Tomic-100 of Federal Tomi
IV.	Attach a list of all	working into	erest owners with t	their percent	age intere	sts.			
V.	AFFIDAVIT:			'					
	Nov	Massica							
	State ofNev	w Mexico)						
	0	Eddy	SS.						
	County of	Ludy)						
	Robert C. Ch	ase 🛌			-4-4				
		, be	ing first duly swom	, upon oatn	states:				
	1. I am the	Operator c	or authorized repre	sentative of	the Oners	or of the abo	we_refe	renced w	all
	2. Jo the be	est of my kr	nowledge, this app	lication is co	molete an	correct.	74C-1616	renceu w	511.
	2/1/1/	100	3 / 11		-				
Signatu	ie Cafert	Cham	Title		/ice Presi	dent	Dat	te	8/16/99
			1.6+h			1000			
SUBSE	RIBED AND SWO	RN TO befo	re me this 10th	_ day of	August	<u>1999</u> -		1	
		1				. >		1 -6-	
		:	0.00	Mata		na		and	
мусер	nmission expires:	<u>- 12</u>	-9-99	Nota	ry Public				
FOR O	LCONSERVATION	DIVISION	USE ONLY:						9.7
VI.	CERTIFICATION	UE VDDDO	VAI -						
V-1.	This Application is h	erehy annini	val. ed and the above-re	eferenced well	l is designa	ad a Naw Mall	By co	ny horoof t	the Division notifies the Secretary
	of the Taxation and	Revenue De	partment of this App	roval.	i io ucoigila	ed a NEW VVEII	. by w	py licieul, l	the Division notines the Secretary
Signature			Tit	ile					Date
			1_						
VII.	DATE OF NOTIFICA	ΔΤΙΟΝ ΤΟ ΤΙ	HE SECRETARY OF	THE TAYAT	IONI A'NID D	EVENITE DED	ADTRACT	NIT.	
		THOUSE TO IT		THE LANAL				INIT:	

NOTICE: The operator must notify all working interest owners of this New Well certification.

(Cataber 1990)		STA	ATES ATOR SEMININ BUPLICATE				FOR APPROVED OMB NO. 1004-0137 Expires: December 31,1991						
		RTI	U OF LAN	OF TH	IE IN	TERI	OR		tion on se side)	6. LEASE DES	SIGNA'	TION AND SERIAL NO.	
WELL COMPLETION OR RECOMPLETION REPORT AND LOG*							6. IF INDIAN, ALLOTTEE OR TRIBE NAME						
1a. TYPE OF WEL	.L:	OIL X	GAS [7		-1			1	7. UNIT AGRE	EMEN	T NAME	
b. TYPE OF COM		MELL 12	MELL [_ '	DRY 🔲	Other							
NEW WELL		DEEPEN	PLUG BACK	DIF		Other	الماستان المسي			8. FARM OF	LEA	SE NAME, WELL NO	
WELL OVER BACK RESVR. CTOPF							Mohawk Federal #1						
Mack Energy	Corporation									9. API WELL I	10.		
3. ADDRESS AND		NO.								30)-015	5-30630	
P.O. Box 960,						505) 748				IO. FIELD AND) POO	L, OR WILDCAT	
4. LOCATION OF V	WELL (Report lo	cation cle	arly and in					ts)"				s Paddock	
At surface				,	990 FS	L 330 F	WL			11. SEC., T., R., M., OR BLOCK AND SURVEY			
At top prod. Inte	rval reported b	wole		9	990 FS	L 330 F	WL						
At total depth				9	990 FS	L 330 F	WL			Sec 14 T17S R30E			
			Г	14. PERMIT	NO.		DATE	ISSUED		12. COUNTY	OR	13. STATE	
									PARISH Eddy	Eddy NM			
15. DATE SPUDDED	16. DATE T.D. REA	CHED	17. DATE 0	. DATE COMPL. (Ready to prod.)			18. ELEVATIONS (DF, RKB, RT, GR			.,,		EV. CASING HEAD	
6/20/99	7/7/9	9		7/23/	99			3689	RKB			3677	
20. TOTAL DEPTH, MD		LUG, BAC	K T.D., MD & T	VD 3	22. IF MULT	TPLE COMP	L.,	23. INTER		ROTARY TOO	LS	CABLE TOOLS	
5080			5031						-	Yes			
24. PRODUCING INT	ERVAL (S), OF TH	IIS COMP	LETION - TO	P, BOTTO	W, NAME (MD AND T	VD)*					WAS DIRECTIONAL SURVEY MADE	
			453	4.5-482	Dade	dock						Yes	
			455	4.5-462.	o, rauc	JOCK	-				27 W	AS WELL CORED	
26. TYPE ELECTRIC	Gamma Ra	v. Neu	tron, Den	sity, La	teralog	g, Spec	tral Gai	mma Ra	y			No	
28.						Report all s				,			
CASING SIZE/GRAD	WEIGHT, LE	3./FT	DEPTH S	ET (MD)	нс	LE SIZE		TOP OF CEM	ENT, CEM	ENTING RECORD		AMOUNT PULLED	
13 3/8	48		30	308 17 1			2 550s			ix		None	
8 5/8		24 12		06 12 1/		2 1/4	650s				None		
5 1/2	15.	.5	504	44		7 7/8			1050	SX		None	
					<u></u>			30.		UBING RECO	80		
SIZE	700,000		RECORD	Lavavaa		SCREE	V (44D)	SIZE		DEPTH SET (M		PACKER SET (MD)	
3126	TOP(MD)	ВО	TTOM (MD)	SACKS C	EMENI	SCREE	N (MD)	2 7/8	3	4842	-	PAGNER DET (MO)	
				-	-								
31. PERFORATION	RECORD (Interva	I, size an	d number)			32.	AC	ID, SHOT,	FRACT	URE, CEMEN	rsqu	JEEZE, ETC	
						DEPTH	INTERVA	L (MD)	AM	MOUNT AND KIND OF MATERIAL USED			
							534.5 <u>-</u> 48			2500 gals			
						45	534.5-4	829		32,000 gals	20%	6 NE acid	
	4534.5-	4829 1	12.78										
33.	4004.0	7020, 1	,	-	PPO	DUCTION							
DATE FIRST PRODUC	CTION I	PODUCTIO	N METHOD (F	lowing gas li						WELL ST	TUS (F	Producing or	
8/7/19	,	RODGOTIC		2 1/2 x	2 20 F	RHBC H	VR PAI	BNC		shut-in)		Producing	
DATE OF TEST	HOURS TESTE	0	CHOKE SIZE	PROD	N FOR PERIOD	OIL-BBL.		GAS-MCI	₹.	WATER-BBL.		GAS- OIL RATIO	
8/12/1999	24			-		10)5	12	1	435		1152	
FLOW. TUBING PRES	S. CASING PRES	SURE	CALCULATED		8BL.	G#	121	1	WATER -	135	IL GRA	AVITY - API (CORR.)	
34. DISPOSITION O	F GAS I Sold us	ed for fuel	vented etc.	<u>}</u>	105		121	Pr				36	
53. DIO! CO!!!O!V	ON ONO (00.0, 00.					Sold		5	TER	O FOR RECORD	_		
35. LIST OF ATTAC	HMENTS						1	Or	levi	MOS	R	ķ.	
36. I hereby certif	u that the fares	oine sed	attached in	formation	ls comir	lete and	correctes	determine	Groß	ati avajlable re	e cord	1	
Jo. I hereby certif	1 1100 10198	\ /	1				1-	n Analy	st C	व विद्व		8/16/1999	
SIGNED	uson -	<u>ا (</u>	all	ті	TLE	FI	Julytic	ROSWEI	LAND	DATE	-	10/10/100	
	A 4 @					A al al : 6: a	al Doto		_ '\ '' \	TACE.	·N-		
	-(8	ee Inst	ructions a	inu spac	es for	Maaition	iai Dala	oli Keve.	उट जार	OFCE AREA		annous of the	

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.

Form 3160-5 (June 1990)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

OPERATOR'S	COPY
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FORM APPROVED Budget Bureau No. 1004-0135

Expires: March 31,1993

5. Lease Designation and Serial No.

SUNDRY NOTICE:	S AND REF	PORTS OF	N WELLS
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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

LC-055259
6. If Indian, Allottee or Tribe Name

SUBMIT	7. If Unit or CA, Agreement Designation			
I Type of Well Oil Well Well Other 2. Name of Operator Mack E	8 Well Name and No. Mohawk Federal #1 9. API Well No.			
3. Address and Telephone No. P.O. Box 960, and 4. Location of Well (Footage, Sec., T. R., M. or Survey De Sec-14,T17S-R36)	30-015-30630 10. Field and Pool, or Exploratory Area Loco Hills Paddock 11. County or Parish, State			
12. CHECK APPROPRIATE BOX	(s) TO INDICATE NATURE OF NOTICE, REPO	Eddy, NM ORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTIO	N		
Notice of Intent Subsequent Report Final Abandonment Notice	Abandonment Recompletion Plugging Back Casing Repair Altering Casing Surface Casing	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.)		
give subsurface locations and measured and true vertical Mack Energy Corporation is drilling the Moh	l pertinent details, and give pertinent dates, including estimated date of standard depths for all markers and zones pertinent to this work)* awk Federal #1 and has encountered a problem with solutions are standard date of standard depths for all markers and zones pertinent to this work)* awk Federal #1 and has encountered a problem with solutions are standard date of standard depths for all markers and zones are standard date of standard depths for all markers and zones are standard date of standard date of standard depths for all markers and zones depths for all zones depths for all markers and zones depths for all zones depths for all zones depths for all zones depths for z	etting surface casing @ 450'. While		
casing to go any deeper. Called David Glass	with the BLM in Roswell and obtained a verbal to set	the 13 3/8" casing at 308'.		
6/26/1999 Spud 17 1/2" hole @ 5:00PM. Lo	st circ @ 183'.			

6/27/1999 TD 17 1/2" hole @ 453'. RIH w/ 7 joints 13 3/8" K-55 ST&C 48# csg & hit bridge @ 311'. BLM gave permission to Land csg

@ 308' & RU BJ c/w 550sx Class C 2% CC. No circ ready mix w/10 yds. Plug down @ 1:30 PM.

or representations as to any matter within its jurisdiction.

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

PROPERTY	100	MO/YR	PROPERTY NAME		INTEREST	LAST
			OWNER SQ OWNER NAME	INTEREST	TYPE	CHANGE
001342 001	J1	01/98	MOHAWK FEDERAL 1			
			006172 00 THE HOMESTAKE OIL & GAS CO.	.06250000	1 WOR	6/24/99
			999101 00 CHASE OIL CORPORATION	.60937500	1 WOR	6/24/99
			999104 00 RICHARD L. CHASE	.02812500	1 WOR	6/24/99
			999105 00 GERENE DIANNE CHASE CROUCH	.01875000	1 WOR	6/24/99
			999106 00 ROBERT C. CHASE	.04687500	1 WOR	6/24/99
			999107 00 MACK C. CHASE TRUST	.23437500	1 WOR	6/24/99
			TOTAL INTEREST			-, - , , , ,

NEW MEXICO ENERGY, MINERALS & NATURAL RESOURCES DEPARTMENT

October 20, 1999

Mack Energy Corporation P.O. Box 960 Artesia, New Mexico 88211-0960

Attention:

Robert Chase

RE:

C-142 Application for New Well Status

Mohawk Federal Well No. 1, API No. 30-015-30630

Dear Mr. Chase:

Pursuant to Division Rule 34.C.(3), the deadline for filling for the New Well Tax Incentive is within sixty (60) days of completion of the well as a producer, therefore your application is hereby denied.

If you have any questions, please contact me at (505) 827-8183.

Sincerely,

Mark Ashley

Petroleum Engineering Specialist