a starter i	DEC-07-2	2007 FRI	03:53 PM	mack energy		FAX NO. 1505746	9539	P. 02	The second second
	12 10 DATE IN	LOT BUE	PENSE	W SOARS	12 10 07 LOGGED N	SWD)	PKUR0734	4285599	
			<u> </u>		BOVE THIS LINE FOR DIVISION UP			· · · · ·	
			NEW 1	MEXICO OIL C		N'DIVISION			- IN
			12	- Engine 20 South St. Franci	ering Bureau - s Drive, Santa Fe,	NM 87505		MR)	Ner
						TION CHEC	KLIST		
	THIS	HECKLIST IS				FOR EXCEPTIONS TO D SION LEVEL IN SANTA I		EGULATIONS	
	Applicat	on Acrony	ms:						
	L		ownnole (Commingling] [CT	B-Lease Commin	ion Unit] [SD-SImui gling] [PLC-Pool/L	ease Comminglin) 9] /	JE Sunth
		נאכי	[₩FX-V	Vaterflood Expans	ion] [PMX-Pressu	je] [OLM-Off-Lease ire Maintenance Ex	(pansion]	MU	S.
		[EOR-Q	[S] ualified E	WD-Salt Water Dis nhanced Oil Recov	sposal] [IPI-Inject very Certification]	ion Pressure Incre PPR-Positive Pro	ase] duction Respons		
	[1] 1	YPE OF	APPLICA	TION - Check The	ose Which Apply f	or [A]			a Marija
		[A]		ion - Spacing Unit ISL 🦳 NSP [- Simultaneous De	dication			
		Che	ck One Or	ly for [B] or [C]					
		[B]	Comn	ningling - Storage -			0114		and the
	÷						OLM	3.1	A MARINE IN
dan ¹		[C]		VFX Disposal - Pre		nhanced Oil Recove PI 🔲 EOR 🥅		3	A Ana
		[D]	Other:	Specify					
	[21 N	OTIFICA	TION RE	OUTRED TO C	beck Those Whiel	Apply, or Does		a ⊂27	and the second sec
, i		[A]		Vorking, Royalty of	r Overriding Royal	ty Interest Owners			
ingen i star		[B]		offset Operators, Le	ascholders or Surf	ace Owner		; <u> </u>	
· · · ·		[C]	🔀 A	pplication is One V	Which Requires Pu	blished Legal Notic	e S	; 🗢	
		[D]	N N	otification and/or (. Burdau of Land Managemen	Concurrent Approv	ral by BLM or SLO Lande, State Land Office		1 a 1	at diga digat dan sana ta
1. K		[E]				ion or Publication is	s Attached, and/or,		
era Anglas Anglas A	, 1	[F]	□ W	aivers are Attached	1				
- 1 <u>1</u>	[31 S	UBMIT A	CCURAT	E AND COMPLE	TE INFORMAT	ION REQUIRED	TO PROCESS TI	IE TYPE	
atasa ≹astasa	U	r Applic	ATION	NDICATED ABO	IVE.			1. 19 1. 19 1. 19	
	[4] C approval i	ERTIFICA S accurate	ATION: I	hereby certify that	the information su	ubmitted with this a llso understand that	pplication for adm	inistrative	r fint finger
1999 - 19	application	n until the i	equired in	formation and noti	fications are subm	itted to the Division	no action will be i	aken on this	in dation of the second sec
		Note	: Statement	must be completed by	y an individual with m	anagerial and/or supe	rvisory capacity.	· / / .	我感, Mar.
if en Anna an Anna Anna an Anna an	Jerry W. S.		·	Juny W.	. Stenel	Production Cleri	<u>k</u>	12/7/07	的一個人的
en e	Print or Ty	pë Name		Signature		Title		Date	n an
di saya A						jerrys@mackenerg e-mail Address	gycorp.com		·····································
ener 1									
									「「「」「「「」」」「「」」」「「」」」「「」」」」「「」」」「」」」」」「「」」」」
									isten yn de Maa Ipslams yn

į	
4	ST. TE 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

l.	PURPOSE:Secondary Recovery Application qualifies for administrative approval'? X	Pressure Maintenance Yes	XDisposalStorag
۱L	OPERATOR: Mack Energy Corporation		
	ADDRESS: P.O. Box 960 Artesia, NM 88211-0960		
	CONTACTPARTY: Jerry W. Sherrell		PHONE: (505)748-1288
III.	WELL DATA: Complete the data required on the reverse side of Additional sheets may be attached if necessary.		l proposed for injection.
IV.	Is this an expansion of an existing project'? Yes If yes, give the Division order number authorizing the project:	XNo	
V.	Attach a map that identifies all wells and leases within two mile drawn around each proposed injection well. This circle identifi		
V1.	Attach a tabulation of data on all wells of public record within the Such data shall include a description of each well's type, constructions contended of any plugged well illustrating all plugging detail.		tion, depth, record of completion, and a
VIL	Attach data on the proposed operation, including:		A b
	 Proposed average and maximum daily rate and volume of fl Whether the system is open or closed; Proposed average and maximum injection pressure; Sources and an appropriate analysis of injection fluid and conproduced water; and, If injection is for disposal purposes into a zone not productive chemical analysis of the disposal zone formation water (mawells, etc.). 	ompatibility with the reco ve of oil or gas at or with	nin one mile of the proposed we lt, pit ach a
*V11	1. Attach appropriate geologic data on the injection zone includin depth. Give the geologic name, and depth to bottom of all under total dissolved solids concentrations of 10,000 mg/I or less) ov known to be immediately underlying the injection interval.	erground sources of drinl	king water (aquifers containing waters wit
IX.	Describe the proposed stimulation program, if any.		
*X.	Attach appropriate logging and test data on the well. (if well log	gs have been filed with t	he Division, they need not be resubmitted
*XI. A	Attach a chemical analysis of freshwater from two or more fresh injection or disposal well showing location of wells and dates s		e and producing) within one mile of any
XII.	Applicants for disposal wells must make an affirmative stateme data and find no evidence of open faults or any other hydrologi sources of drinking water.		
XIII.	Applicants must complete the ''Proof of Notice'' section on the r	everse side of this form.	
XIV. (Certification: I hereby certify that the information submitted witl and belief.	h this application is true	and correct to the best of my knowledge
	NAME: Jerry W. Sherrell	TITLE	Production Clerk
	SIGNATURE: Jeny W. Shenal		DATE: 11/27/07
*	if the information required under Sections VI, VIII, X, and XI a Please show the date and circumstances of the earlier submittal:	bove has been previously	submitted, it need not be resubmitted.
DISTI	RIBUTION: Original and one copy to Santa Fe with one copy to t	he appropriate District (Office

Side 2

٤.,

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.

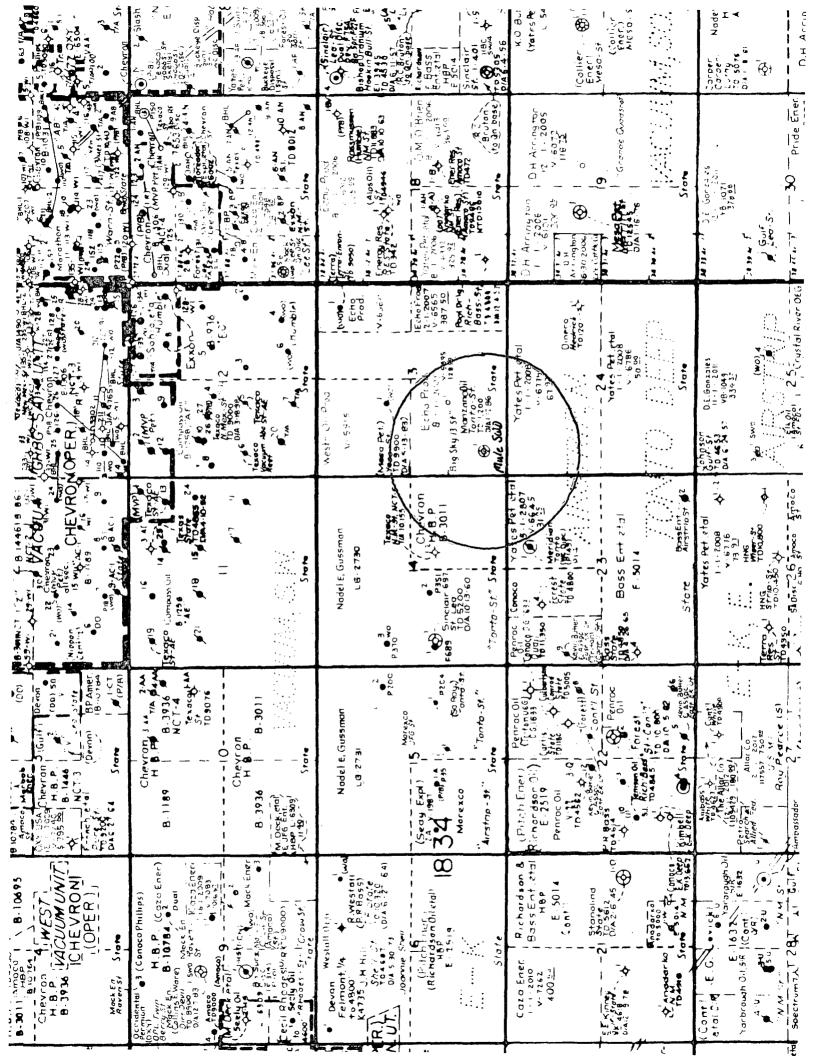
Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

- (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, 1220 South St. Francis Dr., 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.



JAN-17-2008 THU 01:57 PM mack energy

ni Stin

MACK ENERGY CORPORATION PO BOX 960 ARTESIA, NM 88211-0960

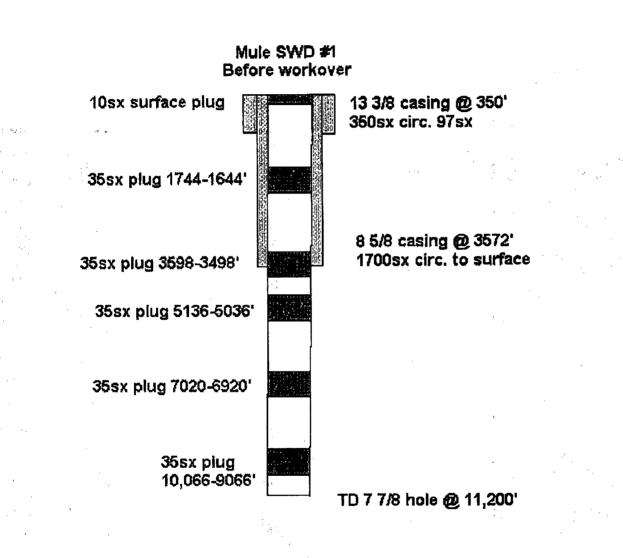
"Will Jones		FROM:	Jerry U	1. Sh	errell	,.
OCD-SGLAFE	······································	DATE:	1-17-08			
505-476-3462		TOTAL		LUDING C	OVER:	
HONE NUMBER:		(5	NUMBER: 05)748-1288		·	
Mule SWD#1-Befere	ollagram	глх NU (5	мвея: 05)746-9539	1		-
URGENT DFOR REVIEW	D PLEASE CO	MMENT	🔲 PLEASE RE	PLY	D PLEASE REC	YCLE
NOTES/COMMENTS:				- - -	5	: 3
					· · ·	
		·				. •
:						
				•	· .	. .
					• • •	•••
				:		
					•	· 1.
				۰ ۰		
			- 1.844 - 1.94 - 1.97 - 1.97 - 1.97 - 1.97			
				:		
	,					

P. 01

1.1

JAN-17-2008 THU 01:57 PM mack energy

P. 02



Determine trained to be added by the set of my headed as and the set of my head of the set of the set of the set of my head of the set	NO. OF COPIES RECEIVED		Form C-103
Extra term NEW MEXICO OIL CONSERVATION COMMISSION E. If and the set of	DISTRIBUTION		Supersedes Old
The Minister of the Control of the		NEW REVICE OF CONSERVATION COMMISSION	
Us. 6.4. Index of years Server and the formation of the server in the server of my backage and belief. Index of the server in the server of the server in the server of my backage and belief. Server of the server in the server of the server of my backage and belief. Index of the server in the server of the server of my backage and belief. With GE Server of the server in the server of my backage and belief. Index of the server in the server of my backage and belief. With GE Server of the server of my backage and belief. Index of the server in the server of my backage and belief. With GE Server of the server of the server of my backage and belief. Index of the server in the server of my backage and belief. With GE Server of the server of the server of my backage and belief. Index of the server of my backage and belief. With GE Server of the server of the server of my backage and belief. Index of the server of my backage and belief. With GE Server of the server of the server of my backage and belief. Index of the server of my backage and belief. Server of the server of the server of my backage and belief. Index of the server of my backage and belief. Server of the server of the server of my backage and belief. Index of the server of my backage and belief. Server of the server of the server of my backage and belief. Index of the server of my backage and		HER MERICO OF CONSERVATION COMMISSION	CHECKAE 1-1-00
and prince June of prince June of a construction of the prince of t			5a. Indicate Type of Lease
Supervised State and Construction of Construc			
16-2843 Indext control of the provide			
Iterative restance intervention of the intervention of	PERATOR		
With EXT With EXT <td< td=""><td></td><td></td><td>LU-2843</td></td<>			LU-2843
West (D) Sett. Order. New of Operation 505/623-1996 I. Frain of Lass Mare Address of Operation 505/623-1996 I. Frain of Lass Mare Address of Operation 660 I. Frain of Lass Mare Internal M 660 I. Frain of Lass Mare Internal M 660 Internal M Internal M Internal M Internal M	(DO NOT USE THIS FORM FOR PROP USE "APPLICATIO	NOTICES AND REPORTS ON WELLS OSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. IN FOR PERMIT	
Name of Operator 8, Ferrer Lasse Homes Manzano Oli Corporation 505/623-1996 Address of Operator 5, Weil Num P.O. Box 571, Roswell, NM 88202 1 Laboration of Weil 660 with terms M 660 Mest 13, Fund and Peol, at Wildow Yee 13, Fund and Peol, at Wildow West 14, Fund and Peol, at Wildow Yee 13, Check Appropriate Box To Indicate Nature of Notice, Report or Other Data NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF: Attract cases Check Appropriate Box To Indicate Nature of Notice, Report or Other Data NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF: Attract cases Check Appropriate Box To Indicate Nature of Notice, Report or Other Data NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF: Attract cases Check Appropriate Box To Indicate Nature of Notice, Report or Other Data Notice Cases Check Appropriate Box To Indicate Nature of Notice, Report or Other Data Notice OF INTENTION TO: SUBSEQUENT REPORT OF: Attract cases Check Appropriate Box To Indicate Nature of Notice, Report or Other Data Notice Cases of Complexed Descripting Operations (Clearly state of perations detail, and give periods	OIL YY GAS		7, Unit Agreement Name
Marzaro 0il Corporation 505/623-1996 Tonto State Address of Operation 505/623-1996 1 Address of Operation 5, Well No. 1 P.O. Box 571, Roswell, NM 88202 1 1 Dention of Well 660 For resolution 500th Part Corporation 13 Tonno state Wildcat Part Corporation 13 Tonno state Part Corporation Part Corporation Corporation Corporation Corporation Part Corporation Corporation Corporation Corporation Part Corporation Corporation Corporation Corporation Corporation <td></td> <td>OTHER</td> <td>9 Form or Lease Mare</td>		OTHER	9 Form or Lease Mare
Addres al Generate P.O. Box 571, Roswell, NM 88202 1 P.O. Box 571, Roswell, NM 88202 1 D. Freid and Pool, or Wildom Wil	•		
P.O. Box 571, Roswell, NM 88202 1. Leader of Wall 660 yet cirres M 660 yet cirres M 660 yet cirres M 660 yet cirres M 13 Yet cirres M 12 Yet cirres M 12 Yet cirres M 13 Yet cirres M 14 Yet cirres M 15 Yet cirres M 14 Yet cirres M 15			
Lecenter of Weil auf Lettre M 660 rect reacting South Line as 660 rect reacting Wildcat rec West cure, section 13 reacting 185 size 34E will Wildcat rec West cure, section 13 reacting 185 size 34E will Wildcat rec West cure, section 13 reacting 185 size 34E will Wildcat To Check Appropriate Box To Indicate Nature of Notice, Report or Other Data NOTICE OF INTENTION TO: SUBSECUENT REPORT OF: records reacting as a cure of complete Complete Box To Indicate Nature of Notice, Report or Other Data NOTICE OF INTENTION TO: SUBSECUENT REPORT OF: records reacting as a cure of complete Complet			9. Well No.
Miller 660 rest mean the South 100 rest mean 110 The West 100 rest mean 185 rest etc. 12. County 10: Developing (Show whicher Dr. NT. GR. etc.) 12. County 12. County 12. County 11: Developing (Show whicher Dr. NT. GR. etc.) 12. County 12. County 12. County 12: Check Appropriate Box To Indicate Nature of Notice, Report or Other Data Subsequent Report OF: 10. County Notice of INTENTION TO: subsequent Report of Cher Data Subsequent Report of Cher Data 12: Caunte Rame County Report of Charly state of Provide Cher Data 10. County Report of Charly state of Provide Cher Data 12: Caunte Rame Counter Rame Counter Rame 10. Counter Cher Data 13: Counter Rame Counter Rame 10. Counter Cher Data 10. Counter Cher Data 14: Counter Rame Counter Rame 10. Counter Cher Data 10. Counter Cher Data 14: Counter Rame Counter Rame 10. Counter Cher Data 10. Counter Cher Data 15: Counter Chars Counter Cher Data 10. Counter Cher Data 10		NM 88202	
Image: West	Location of Well		
Image: West	UNIT LETTER M	660 South 660	Wildcat
15. Devention (Show whether DF, RT, CR, etc.) 12. County 16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data SUBSECUENT REPORT OF: Strice of INTENTION TO: SUBSECUENT REPORT of: Strice of INTENTION TO: FLUE AND ANDRON Strice of INTENTION TO: SUBSECUENT REPORT of: Strice of INTENTION TO: FLUE AND ANDRON Strice of INTENTION TO: SUBSECUENT REPORT of: Strice of Astronom Check Appropriate Doperations to: Strice of Astronom Chance FLANS Construct and antification of the astronom Check Appropriate Doperations (Glearly state all perinent details, and give pertinent dates, including estimated date of starting any proposed Check for a start action of the astronom Check for a start action of the astronom Check for a start action of the astronom Check for a start action of the astronom Check for a start action of the astronom Check for a start action of the astronom Check for a start action of the astronom Check for a start action of the astronom Check for a start action of the astronom Check for a start action of the astronom Spudded 5/31/85 (see previous report) - drilled to 350', ran 9 joints (359') of 13-3/8" Start action of the astronom Spudded 5/31/85 (see previous report) - drilled to 350', st	9411 CETTER		
15. Devention (Show whether DF, RT, CR, etc.) 12. County 16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data SUBSECUENT REPORT OF: Strice of INTENTION TO: SUBSECUENT REPORT of: Strice of INTENTION TO: FLUE AND ANDRON Strice of INTENTION TO: SUBSECUENT REPORT of: Strice of INTENTION TO: FLUE AND ANDRON Strice of INTENTION TO: SUBSECUENT REPORT of: Strice of Astronom Check Appropriate Doperations to: Strice of Astronom Chance FLANS Construct and antification of the astronom Check Appropriate Doperations (Glearly state all perinent details, and give pertinent dates, including estimated date of starting any proposed Check for a start action of the astronom Check for a start action of the astronom Check for a start action of the astronom Check for a start action of the astronom Check for a start action of the astronom Check for a start action of the astronom Check for a start action of the astronom Check for a start action of the astronom Check for a start action of the astronom Check for a start action of the astronom Spudded 5/31/85 (see previous report) - drilled to 350', ran 9 joints (359') of 13-3/8" Start action of the astronom Spudded 5/31/85 (see previous report) - drilled to 350', st	West	13 18S 34E	
3982.2' GR Lea Check Appropriate Box To Indicate Nature of Notice, Report or Other Data NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF: Carrows assumed to the indicate Nature of Notice of Notice, Report or Other Data SUBSEQUENT REPORT OF: Attransfer Caline Plue And Assumed to Complete Complet	THE LINE, SECTION	TOWNSHIP RANGE	- HMPM. (()))))))))))))))))))))))))))))))))))
3982.2' GR Lea Check Appropriate Box To Indicate Nature of Notice, Report or Other Data NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF: Contract of Contract of Contract of Notice of Notice of Notice of Notice of Contract of Con	mmmmmm	15 Elevation (Show whether DE PT CB at a 1	
Check Appropriate Box To Indicate Nature of Notice, Report or Other Data NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF: ACTENDED CONTRELED OF INTENTION TO: CONTRELED OF INTENTION OF			
NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF: CHARGENEL WORK PLUE AND ARLADON REMEDIAL WORK ALTERIA CASING CHARGENEL WORK PLUE AND ARLADON REMEDIAL WORK ALTERIA CASING ULL ON ALTER CASING CHARGE PLANE COMPLETE CALLING CARE. PLUE AND ARLADON OTHER CHARGE PLANE CHARGE PLANE COMPLETE CALLING CARE. PLUE AND ARLADON OTHER CHARGE PLANE CHARGE PLANE CHARGE PLANE PLUE AND ARLADON OTHER CHARGE PLANE CHARGE PLANE CHARGE PLANE PLUE AND ARLADON OTHER CHARGEN ARLADON CHARGE PLANE CHARGE PLANE CHARGE PLANE PLUE AND ARLADON OTHER CHARGEN ARLADON CHARGE PLANE CHARGE PLANE CHARGE PLANE CHARGEN ARLADON OTHER COMPLETE CALLER CALL CHARGE PLANE CHARGE PLANE CHARGE PLANE CHARGE PLANE CHARGE PLANE CHARGEN ARLADON CHARGE PLANE CHARGE PLANE CHARGEN ARLADON CHARGEN ARLADON CHARGEN ARLADON CHARGEN ARLADON CHARGEN ARLADON CHARGENER CHARGENER CHARGENER CHARGENER CHARGENER CHARGENER CHARGENER CHARGENER <t< td=""><td></td><td>1/1/1V JJOC.C UN</td><td></td></t<>		1/1/1V JJOC.C UN	
NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF: CHIOMARLY ARAGON PLUE AND ARABON REWEDIAL WORK ALTERIC CASING CHIOMARLY ARAGON PLUE AND ARABON REWEDIAL WORK ALTERIC CASING CHIOMARLY ARAGON CHIARE PLANS COMMENDE ONE. PLUE AND ARABON OTHER CHIARE CASING CHIARE PLANS COMMENDE ONE. PLUE AND ARABON OTHER CHIARE PLANS CHIARE PLANS COMMENDE ONE. PLUE AND ARABON PLUE AND ARABON OTHER CHIARE PLANS CHIARE PLANS CHIARE PLANS CHIARE PLANS CHIARE PLANS OTHER COMMENDE ONE. CHIARE PLANS CHIARE PLANS CHIARE PLANS CHIARE PLANS Spudded 5/31/85 (see previous report) - drilled to 350', ran 9 joints (359') of 13-3/8" CACT Circulated PLANS CACT Spudded 5/31/85 See and commented at 350' with 350 sacks Class C with 2% CaCl. Circulated to surface. Plug down 0 2:30 a.m. 12/14/85. Chi	· Check A	ppropriate Box To Indicate Nature of Notice, Report	or Other Data
Contraction accessing in the integration above to the set of my knowledge and bellet. Contraction of the integration above to the set of my knowledge and bellet. Contraction of the integration above to the set of my knowledge and bellet. Contraction of the integration above to the set of my knowledge and bellet. Contraction of the integration above to the set of my knowledge and bellet. Contraction of the integration above to the set of my knowledge and bellet. Contraction of the integration above to the set of my knowledge and bellet. Contraction of the integration above to the set of my knowledge and bellet. Contraction of the integration above to the set of my knowledge and bellet. Contraction of the integration above to the set of my knowledge and bellet. Contraction of the integration above to the set of my knowledge and bellet. Contraction of the integration above to the set of my knowledge and bellet. Contraction of the integration above to the set of the set of my knowledge and bellet. Contraction of the integration above to the set of my knowledge and bellet. Contraction of the integration above to the set of my knowledge and bellet. Contraction of the integration above to the set of my knowledge and bellet. Contraction of the integration above to the set of my knowledge and bellet. Contraction of the integration above to the set of my knowledge and bellet. Contraction of the integration above to the set of my knowledge and bellet. Contraction of the integration above to the set of my knowledge and bellet. Contraction of the integration above to the set of my knowledge and bellet. Contraction of the integration above to the set of my knowledge and bellet. Contraction of the integration above to the set of my knowledge and bellet. Contraction of the integration above to the set of my knowledge and bellet. Contraction of the set		•	
Construct Asknoon Construct Contribution of Complete Contribution Construct Contribution PLUC AND Asknoonsetter Construct Contribution Construct Contribution Construct Contribution Construct Contribution Construct Contribution Construct Contribution Construct Contribution			
Current casting			
Contract casing	THE ORM REMEDIAL WORK		
Crete Crete Cre	MPORARILY ABANDON		77
Describe Proposed or Completed Operations (Clearly state all periment details, and give pertiment dates, including estimated date of starting any proposed work) SEE NULE 1703. Spudded 5/31/85 (see previous report) - drilled to 350', ran 9 joints (359') of 13-3/8" 54.5# J55 ST&C casing. Set and cemented at 350' with 350 sacks Class C with 2% CaCl. Circulated 97 sacks to surface. Plug down 0 1:30 p.m. 12/8/85. Drilled to 3572'. Ran 85 joints (3,585') of 8-5/8" 24 & 32# J55 casing. Set and cemented at 3572' with 1400 sacks Halad Lite cement with 15# salt & 1/4# floseal per sack PLUS 300 sacks Class C with 2% CaCl. Circulated to surface. Plug down 0 2:30 a.m. 12/14/85.	ULL OR ALTER CASING	CHANGE PLANS CASING TEST AND CEMENT JOB	
Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed works set works at the information of the		OTHER	
Spudded 5/31/85 (see previous report) - drilled to 350', ran 9 joints (359') of 13-3/8" 54.5# J55 ST&C casing. Set and cemented at 350' with 350 sacks Class C with 2% CaCl. Circulated 97 sacks to surface. Plug down @ 1:30 p.m. 12/8/85. Drilled to 3572'. Ran 85 joints (3,585') of 8-5/8" 24 & 32# J55 casing. Set and cemented at 3572' with 1400 sacks Halad Lite cement with 15# salt & 1/4# floseal per sack PLUS 300 sacks Class C with 2% CaCl. Circulated to surface. Plug down @ 2:30 a.m. 12/14/85. - 1 hereby certify that the information above is true and complete to the best of my knowledge and beller. 	OTHER		
Spudded 5/31/85 (see previous report) - drilled to 350', ran 9 joints (359') of 13-3/8" 54.5# J55 ST&C casing. Set and cemented at 350' with 350 sacks Class C with 2% CaCl. Circulated 97 sacks to surface. Plug down @ 1:30 p.m. 12/8/85. Drilled to 3572'. Ran 85 joints (3,585') of 8-5/8" 24 & 32# J55 casing. Set and cemented at 3572' with 1400 sacks Halad Lite cement with 15# salt & 1/4# floseal per sack PLUS 300 sacks Class C with 2% CaCl. Circulated to surface. Plug down @ 2:30 a.m. 12/14/85. b. 1 hereby certify that the information above is true and complete to the best of my knowledge and bellet. 			······································
Spudded 5/31/85 (see previous report) - drilled to 350', ran 9 joints (359') of 13-3/8" 54.5# J55 ST&C casing. Set and cemented at 350' with 350 sacks Class C with 2% CaCl. Circulated 97 sacks to surface. Plug down @ 1:30 p.m. 12/8/85. Drilled to 3572'. Ran 85 joints (3,585') of 8-5/8" 24 & 32# J55 casing. Set and cemented at 3572' with 1400 sacks Halad Lite cement with 15# salt & 1/4# floseal per sack PLUS 300 sacks Class C with 2% CaCl. Circulated to surface. Plug down @ 2:30 a.m. 12/14/85. B. I hereby certify that the information above is true and complete to the best of my knowledge and bellet. cuto		erations (Clearly state all pertinent details, and give pertinent dates, in	cluding estimated date of starting any proposed
54.5# J55 ST&C casing. Set and cemented at 350' with 350 sacks Class C with 2% CaCl. Circulated 97 sacks to surface. Plug down 0 1:30 p.m. 12/8/85. Drilled to 3572'. Ran 85 joints (3,585') of 8-5/8" 24 & 32# J55 casing. Set and cemented at 3572' with 1400 sacks Halad Lite cement with 15# salt & 1/4# floseal per sack PLUS 300 sacks Class C with 2% CaCl. Circulated to surface. Plug down 0 2:30 a.m. 12/14/85. B. 1 hereby certify that the information above is true and complete to the best of my knowledge and bellef. ence	work) SEE RULE 1103.		
54.5# J55 ST&C casing. Set and cemented at 350' with 350 sacks Class C with 2% CaCl. Circulated 97 sacks to surface. Plug down 0 1:30 p.m. 12/8/85. Drilled to 3572'. Ran 85 joints (3,585') of 8-5/8" 24 & 32# J55 casing. Set and cemented at 3572' with 1400 sacks Halad Lite cement with 15# salt & 1/4# floseal per sack PLUS 300 sacks Class C with 2% CaCl. Circulated to surface. Plug down 0 2:30 a.m. 12/14/85. B. 1 hereby certify that the information above is true and complete to the best of my knowledge and bellet. tenee	coulded prolitop (nto (2001) of 10 0/04
Circulated 97 sacks to surface. Plug down @ 1:30 p.m. 12/8/85. Drilled to 3572'. Ran 85 joints (3,585') of 8-5/8" 24 & 32# J55 casing. Set and cemented at 3572' with 1400 sacks Halad Lite cement with 15# salt & 1/4# floseal per sack PLUS 300 sacks Class C with 2% CaCl. Circulated to surface. Plug down @ 2:30 a.m. 12/14/85. B. 1 hereby certify that the information above is true and complete to the beat of my knowledge and bellef. Intre			
Drilled to 3572'. Ran 85 joints (3,585') of 8-5/8" 24 & 32# J55 casing. Set and cemented at 3572' with 1400 sacks Halad Lite cement with 15# salt & 1/4# floseal per sack PLUS 300 sacks Class C with 2% CaCl. Circulated to surface. Plug down @ 2:30 a.m. 12/14/85.			ass C with 2% CaCl.
Drilled to 3572'. Ran 85 joints (3,585') of 8-5/8" 24 & 32# J55 casing. Set and cemented at 3572' with 1400 sacks Halad Lite cement with 15# salt & 1/4# floseal per sack PLUS 300 sacks Class C with 2% CaCl. Circulated to surface. Plug down @ 2:30 a.m. 12/14/85.			
at 3572' with 1400 sacks Halad Lite cement with 15# salt & 1/4# floseal per sack PLUS 300 sacks Class C with 2% CaCl. Circulated to surface. Plug down @ 2:30 a.m. 12/14/85.			
at 3572' with 1400 sacks Halad Lite cement with 15# salt & 1/4# floseal per sack PLUS 300 sacks Class C with 2% CaCl. Circulated to surface. Plug down @ 2:30 a.m. 12/14/85.	Drilled to 35721 Pan	85 inints (3 5851) of 8-5/0" 21 8 22# 155 -	asing Set and compented
sacks Class C with 2% CaCl. Circulated to surface. Plug down @ 2:30 a.m. 12/14/85. a. 1 hereby certify that the information above is true and complete to the best of my knowledge and beller. enco			
5. I hereby certify that the information above is true and complete to the best of my knowledge and bellef. cwep			
ENER July Music Title Jackie Midkiff/Prod. Clerk DATE 1/3/86 Fiddie W. Sear Oil & Gas Inspector	sacks Class C with 2% C	act. Circulated to surface. Plug down @ 2	2:30 a.m. 12/14/85.
Enter Julie Musika Title Jackie Midkiff/Prod. Clerk DATE 1/3/86 FROME TO THE JACKIE MIDKIFF/Prod. Clerk DATE 1/3/86 TITLE JANS - 1986			
ENER July Music Title Jackie Midkiff/Prod. Clerk DATE 1/3/86 FROME DATE JANS - 1986			
ENED HURKED TITLE Jackie Midkiff/Prod. Clerk DATE 1/3/86 FROVED TO Oil & Gas Inspector			
ENER ALLA MULARY TITLE Jackie Midkiff/Prod. Clerk DATE 1/3/86 FROME TO THE JACKIE MIDKIFF/Prod. Clerk DATE 1/3/86 TITLE JANS - 1986			
ENED			
Inte Jackie Midkiff/Prod. Clerk Date 1/3/86 Eddie W. Seave Title Date JAN 8 - 1986			
Biddie W. Sear TITLE Jackie Midkiff/Prod. Clerk Date 1/3/86 Biddie W. Sear TITLE Jackie Midkiff/Prod. Clerk Date JAN 8 - 1986			
Inte Jackie Midkiff/Prod. Clerk Date 1/3/86 Eddie W. Seave Title Date JAN 8 - 1986			
Inte Jackie Midkiff/Prod. Clerk Date 1/3/86 Eddie W. Seave Title Date JAN 8 - 1986			
Inte Jackie Midkiff/Prod. Clerk Date 1/3/86 Eddie W. Seave Title Date JAN 8 - 1986			
Inte Jackie Midkiff/Prod. Clerk Date 1/3/86 Eddie W. Seave Title Date JAN 8 - 1986			
ENER ALL MUSKS TITLE Jackie Midkiff/Prod. Clerk DATE 1/3/86 Eddie W. Secry TITLE Jackie Midkiff/Prod. Clerk DATE 1/3/86 DATE JANS - 1986			
ENED Hule Musika TITLE Jackie Midkiff/Prod. Clerk DATE 1/3/86 FROVED TO Oil & Gas Inspector			
ENED July Music Title Jackie Midkiff/Prod. Clerk DATE 1/3/86 FROVED TO Oil & Gas Inspector	. I hereby certify that the information	above is true and complete to the best of my knowledge and belief.	
Eddie W. Sear Oil & Gas Inspector			
Eddie W. Sear Oil & Gas Inspector		(h^{-1})	
Eddie W. Sear Oil & Gas Inspector	ICNED _ fulle ////	LKS / Jackie Midkiff/Prod.	Clerk DATE 1/3/86
The Oil & Gas Inspector			
TITLE DII & Gas Inspector	// Eddia W Ca	NU .	
On st was inspector	///	.#** vfz/	18414 1000
ONDITIONS OF APPROVAL, IF ANY:		•	JAN8 - 1986

-

,

	······································		
NO. OF CUPIES RECE	VED		Form C-103
DISTRIBUTIO	4		Supersedes Old C-102 and C-103
SANTA FE	NEW MEXICO OIL CONSER	VATION COMMISSION	Effective 1-1-65
FILE		_	
U.S.G.S.		5	a. Indicate Type of Lease
LAND OFFICE			State X Fee
OPERATOR		5	5. State Oil & Gas Lease No.
• <u> </u>			LG-2843
	SUNDRY NOTICES AND REPORTS ON WI THIS FOR FOR FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH P	ELLS 1 TO A DIFFERENT RESERVOIR. PROPOSALS.)	
1. 011	WELL Dry and abandoned		7. Unit Agreement Name
2. Name of Operator Manzano (il Corporation 505/623-1996	1	B. Farm or Lease Name Tonto State
3. Address of Operato		Contraction of the second seco	9. Well No.
1	571/Roswell, NM 88202		1
4. Location of Well	660 South	660	10. Field and Pool, or Wildcat Wildcat
West	13 185	RANGE 34E NMPM.	
	15. Elevation (Show whether DF 3982.2 ¹ GR	T, RT, GR, etc.)	12. County Lea
16.	Charle Appendice Box To Lations No.		
	Check Appropriate Box To Indicate Nat	-	
	NOTICE OF INTENTION TO:	SUBSEQUENT I	REPORT OF:
			Ē
PERFORM REMEDIAL V	ORK PLUG AND ABANDON	REMEDIAL WORK	ALTERING CASING
TEMPORARILY AGANDO		COMMENCE DRILLING OPHS.	PLUG AND ABANDONMENT
PULL OR ALTER CASIN		CASING TEST AND CEMENT JOB	[
		OTHER	
OTHER	L.		
17 Describe Droppe	d or Completed Operations (Clearly state all pertinent details	• • • • • • • • • • • • • • • • • • •	
work) SEE RUL	1 fos.	s, and give pertinent dates, including es	stimuted dute of starting any proposed
12/31/85	Ran DST #1: 9575' to 9658', Recovere ccs drilling mud, very slight trace		
1/3/86	Ran DST #2: 10,166' to 10,368', Reco Very slight show gas. Sampler 58# temperature 138°.	overed 5500' formation wa 2300 ccs formation water	ater & 200' drlg. mud r, O oil, O gas,
1/8/86	Ran DST #3: 10,942' to 11,010', Reco 2550' formation water, Sampler 2150	vered 2825' total fluid, ccs formation water, ten	, 270' drlg. fluid, nperature 158°.
1/12/86	<pre>#2 6920 to 7020' Set #3 5036 to 5136' #4 3498 to 3598' (50' in & out of #5 1644 to 1744'</pre>	/s: 5 H Neat each @: 5 acks at surface. 5 dry hole marker. 8-5/8" casing)	· · · ·
18. I hereby certify t	hat the information above is true and complete to the best of	my knowledge and belief.	
SIGNED	he he Medly me Jac	kie Midkiff/Prod. Clerk	DATE 1/21/86
- A	OIL	& GAS INSPECTOR	AUG 1 5 1986
APPROVED BY	the first of a first of the fir		DATE TO CALL O
CONDITIONS OF A	PROVAL, IF ANY:		

•

-

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Commission not later than 20 days after the completion of any newly-drilled or deepends well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including affil stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 30 through 34 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six created are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeaste	rn New Mexico	Northwest	em New Mexico
1778' T. Anhy	T. Canyon T. Strawn T. Atoka T. Miss T. Devonian T. Silurian T. Silurian T. Montoya T. Montoya T. Simpson T. McKee T. Ellenburger T. Gr. Wash T. Granite T. Delaware Sand 5530 5984	T. Ojo Alamo T. Kirtland-Fruitland T. Pictured Cliffs T. Cliff House T. Menefee T. Point Lookout T. Mancos T. Gallup Base Greenhorn T. Dakota T. Todilto T. Entrada T. Chinle T. Permian	T. Penn. "B" T. Penn. "C" T. Penn. "D" T. Penn. "D" T. Leadville T. Leadville T. Madison T. Elbert T. Ignacio Qtzte T. Granite T. T. T. Granite T. T. T. J. Granite T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T

FORMATION RECORD (Attach additional sheets if necessary)

From	То	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
Surface	1778	1778	Redbeds,anhydrite & lime				
1778	1890	112	Anhydrite & shale	1			
1890	3140	1250	Salt & anhydrite	1			
3140	4446	1306	Anhydrite, dolomite & sar	d			
4446	4497	51	Sand & shale				
4497	4680	183	Dolomite & anhydrite	1			
4680	4710	30	Sand & anhydrite				
4710	5104	394	Dolomite,anhydrite & sand				
5104	5530	426	Dolomite				
5530	6984	1454	Sand, shale & dolomite				
6984 8439	8439 9278	1455 839	Lime, shale, dolomite & d Sand, dolomite & shale	nert			
9278	9674	396	Sand, shale & lime				
	10004	330	Sand, shale & dolomite				
	10140	136	Shale & dolomite				
	10395	255	Dolomite				
	10986	591	Dolomite,shale & chert				
10986	11200	199	Dolomite, lime & shale				
	{	1					
		ł					
	I	L	· · · · · · · · · · · · · · · · · · ·	I	L		

Side I	INJECTION	INJECTION WELL DATA SHEET	
OPERATOR: Mack Energy Corporation	ooration		
WELL NAME & NUMBER: Mule SWD #1	SWD #1		
WELL LOCATION: 660 FSL & 660 FWI	60 FWL M		13 18S 34E
FOC	FOOTAGE LOCATION	UNIT LETTER	SECTION TOWNSHIP RANGE
WELLBORE	WELLBORE SCHEMATIC	WE	WELL CONSTRUCTION DATA Surface Casing
		Hole Size: 17 1/2	Casing Size: 13 3/8 @ 350'
13 3/8 casing set @		Cemented with: 350	sx. orff
350' w/350sx	925 	Top of Cement: Surface	Method Determined: Circulated
8 5/8 casing set @ 3572' w/1700sx			Intermediate Casing
		Hole Size: 12 1/4	Casing Size: <u>8 5/8 @</u> 3572'
		Cemented with: 1700	sx. or ft
		Top of Cement: Surface	Method Determined: Circulated
			Production Casing
basodo L		Hole Size: 77/8	Casing Size: 5 1/2
Репогатеа тгот 10,005-11,065'		Cemented with: 2300	sx. or ft
5 1/2 casing set @		Top of Cement: Surface	Method Determined: Circulate
		Total Depth: 11,200'	
			Injection Interval
		10,005	feet to 11,065, Perforated
		(Perfo	(Perforated or Open Hole; indicate which)

,

		INJECTION WE	INJECTION WELL DATA SHEET		
Iut	Lubing Size:	2 7/8" I	Lining Material:	Plastic Coated	
Гy	Lype of Packer:	Halliburton	Halliburton Trump Packer		
Pac	Packer Setting Depth:	9905'			
Oth	ler Type of Tubing/Ca	Other Type of Tubing/Casing Seal (if applicable):			
		Additio	Additional Data		
<u> </u>	Is this a new well drilled for injection?	illed for injection?	Yes No		
	If no, for what purpe	If no, for what purpose was the well originally drilled?	iy drilled?	Wolfcamp	
5.	Name of the Injection Formation:	on Formation:	Wolfcamp	dı	
÷.	Name of Field or Pool (if applicable):	ol (if applicable):	Airstrip Wolfcamp	olfcamp	1
4	Has the well ever be intervals and give pl	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.	er zone(s)? List all such of cement or plug(s) used	perforated N/A	
5.	Give the name and depths injection zone in this area:	of a	ones underlying or overl ne Spring-9650', Unde	uny oil or gas zones underlying or overlying the proposed Overlying Bone Spring-9650', Underlying Morrow-13,200'	

Side 2

District 1 1625 N. French Dr., Hobbs, NM 88240 District 11 811 South First, Artesia, NM 88210 District 111 1000 Rio Brazos Rd., Aztec, NM 87410 District 1V 2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico EnerRy, Minerals & Natural Resources

Form C-102 Revised March 17, 1999

OIL CONSERVATION DIVISION 2040 South Pacheco Santa Fe. NM 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

State Lease - 4 Copies Fee Lease - 3 Copies

Submit to Appropriate District Office

AMENDED REPORT

'A	API Numbe	r		Pool Code			'Pool Name			
30-	-025-292	88 ´					Wolfcam	р		
Property C	Code		······		' Property Na	ame		'W	ell Number	
					Mule SW	Mule SWD 1				
'OGRID N	٧٥.			'Operator Name					' Elevation	
01383	7			M	lack Energy Co	orporation			3982	
					н Surface L	ocation				
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County	
М	13	18S	34E		660	South	660	West	Lea	
			" Bott	tom Hole	e Location If	Different From	n Surface			
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County	
" Dedicated Acres	s joint or	Infill "C	onsolidation C	Code " Ord	er No.	<u></u>	L.	1		

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL XL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

16		OPERATOR CERTIFICATION
		I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a wohmtary pooling agreement or a compulsory pooling order heretofore entered by the division.
	•	Signature Printed Name Jerry W. Sherrell
		Title Production Clerk Date 11/27/07
		"SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes ofactuai surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.
660'		Date of Survey Signalure and Seaj of ProfessionalSurveyer.
-00-		Certificate Number

			1	T		Г							
	PERFS	N/A P & A'd 1/12/86	ASA										
	тос	Circ Circ Surface											
	SX CMT	350 1700 N/A											
	DEPTH	350' 3572' N/A											
DATA	& WEIGHT	13 3/8, 54.5# 8 5/8, 24 & 32# N/A	aller						· · ·	· · ·			· ·
WELL	SIZE	17 1/2 12 1/4 7 7/8	8										
AREA OF REVIEW WELL DATA	TYPE & DATE DRILLED	Gas 5/31/1985		N									
ARE/	1D (PBTD)	11,200' 0'											
	NC	660' FSL 660' FWL 13-18S-34E											
	MELL#	-											
	LEASE	Mule SWD 30-025-29288	BIG SCY B	Brack (

· ·

Office Energy, Mine	e of New Mexico erals and Natural Resources	Form C-103 May 27, 2004 WELL API NO.						
1625 N. French Dr., Hobbs, NM 88240 District II		30-025-37055						
1301 W. Grand Ave., Artesia, NM 88210 OIL CONS	ERVATION DIVISION	5. Indicate Type of Lease						
1000 Pio Brazos Pd Azteo NM \$7410	outh St. Francis Dr.	STATE S FEE						
District IV Sant	a Fe, NM 87505	6. State Oil & Gas Lease No.						
1220 S. St. Francis Dr., Santa Fe, NM 87505		34555						
SUNDRY NOTICES AND REPORT	S ON WELLS	7. Lease Name or Unit Agreement Name						
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (PROPOSALS.)	DEEPEN OR PLUG BACK TO A	Big Sky '13' State						
1. Type of Well: Oil Well 🔀 Gas Well 🗌 Othe	r	8. Well Number 1						
2. Name of Operator Echo Production, Inc.	/	9. OGRID Number 006742						
3. Address of Operator PO Box 1210, Graham, TX 76450		10. Pool name or Wildcat Wolfcamp						
4. Well Location		/						
Unit Letter K : 1680 feet from	the south line and 19	80 feet from the west line						
Section 13 Townshi		NMPM County Lea						
	w whether DR, RKB, RT, GR, etc.)	Jou -						
3976 G								
Pit or Below-grade Tank Application] or Closure								
Pit type Depth to Groundwater Distance from	m nearest fresh water well Dist	ance from nearest surface water						
Pit Liner Thickness: mil Below-Grade Tank	: Volume bbls; Co	nstruction Material						
12. Check Appropriate Box to	a Indianta Natura of Nation	Report or Other Data						
12. Check Appropriate Box to	o multate Mature of Molice,	Report of Other Data						
NOTICE OF INTENTION TO: PERFORM REMEDIAL WORK PLUG AND ABAND TEMPORARILY ABANDON CHANGE PLANS PULL OR ALTER CASING MULTIPLE COMPI	DON C REMEDIAL WORK							
OTHER:		П						
OTHER: 13. Describe proposed or completed operations. (Cl	OTHER: early state all pertinent details, and	give pertinent dates, including estimated date						
OTHER: 13. Describe proposed or completed operations. (Cla of starting any proposed work)SEE RULE 110	early state all pertinent details, and	give pertinent dates, including estimated date ach wellbore diagram of proposed completion						
13. Describe proposed or completed operations. (Cl	early state all pertinent details, and	give pertinent dates, including estimated date ach wellbore diagram of proposed completion						
 Describe proposed or completed operations. (Clu of starting any proposed work). SEE RULE 110 	early state all pertinent details, and	give pertinent dates, including estimated date ach wellbore diagram of proposed completion						
13. Describe proposed or completed operations. (Clu of starting any proposed work). SEE RULE 110 or recompletion.	early state all pertinent details, and 3. For Multiple Completions: Att	give pertinent dates, including estimated date ach wellbore diagram of proposed completion						
 13. Describe proposed or completed operations. (Cluof starting any proposed work). SEE RULE 110 or recompletion. 4/07/05 Drill to TD 10400' 	early state all pertinent details, and 3. For Multiple Completions: Att nd 65 sx plug @ 10,000'	ach wellbore diagram of proposed completion						
 13. Describe proposed or completed operations. (Choof starting any proposed work). SEE RULE 110 or recompletion. 4/07/05 Drill to TD 10400' 4/08/05 Set 45 sx plug @ 10,400' and a starting any proposed work). 	early state all pertinent details, and 3. For Multiple Completions: Att nd 65 sx plug @ 10,000' asing to 9943' w/ DV to	ach wellbore diagram of proposed completion ol $(6, 5485')$.						
 13. Describe proposed or completed operations. (Choof starting any proposed work). SEE RULE 110 or recompletion. 4/07/05 Drill to TD 10400' 4/08/05 Set 45 sx plug @ 10,400' and 4/12/05 Ran 5 ½" 17# N-80 & J-55 cm 	early state all pertinent details, and 3. For Multiple Completions: Att nd 65 sx plug @ 10,000' asing to 9943' w/ DV to	ol @ 5485'.						
 13. Describe proposed or completed operations. (Choof starting any proposed work). SEE RULE 110 or recompletion. 4/07/05 Drill to TD 10400' 4/08/05 Set 45 sx plug @ 10,400' and 4/12/05 Ran 5 ½" 17# N-80 & J-55 cm 	early state all pertinent details, and 3. For Multiple Completions: Att nd 65 sx plug @ 10,000' asing to 9943' w/ DV to	ach wellbore diagram of proposed completion ol $(6, 5485')$.						
 13. Describe proposed or completed operations. (Choof starting any proposed work). SEE RULE 110 or recompletion. 4/07/05 Drill to TD 10400' 4/08/05 Set 45 sx plug @ 10,400' and 4/12/05 Ran 5 ½" 17# N-80 & J-55 cm 4/13/05 Cement 1st stage w/ 490 starting and the starting and the starting any proposed work). SEE RULE 110 or recompletion. 	early state all pertinent details, and 3. For Multiple Completions: Att nd 65 sx plug @ 10,000' asing to 9943' w/ DV to x 50/50 Poz H & 2nd sta	ach wellbore diagram of proposed completion ol @ 5485'. 						
 13. Describe proposed or completed operations. (Choof starting any proposed work). SEE RULE 110 or recompletion. 4/07/05 Drill to TD 10400' 4/08/05 Set 45 sx plug @ 10,400' and 4/12/05 Ran 5 ½" 17# N-80 & J-55 cm 4/13/05 Cement 1st stage w/ 490 st A O R We Recompleted operations. I hereby certify that the information above is true and completed operations. 	early state all pertinent details, and 3. For Multiple Completions: Att nd 65 sx plug @ 10,000' asing to 9943' w/ DV to x 50/50 Poz H & 2nd sta	ach wellbore diagram of proposed completion ol @ 5485'. 						
 13. Describe proposed or completed operations. (Choof starting any proposed work). SEE RULE 110 or recompletion. 4/07/05 Drill to TD 10400' 4/08/05 Set 45 sx plug @ 10,400' and 4/12/05 Ran 5 ½" 17# N-80 & J-55 cm 4/13/05 Cement 1st stage w/ 490 starting and the information above is true and complete starting and taken been/will be constructed or closed according to NMO 	early state all pertinent details, and 3. For Multiple Completions: Att nd 65 sx plug @ 10,000' asing to 9943' w/ DV to x 50/50 Poz H & 2nd sta	ach wellbore diagram of proposed completion ol @ 5485'. 						
 13. Describe proposed or completed operations. (Choof starting any proposed work). SEE RULE 110 or recompletion. 4/07/05 Drill to TD 10400' 4/08/05 Set 45 sx plug @ 10,400' and 4/12/05 Ran 5 ½" 17# N-80 & J-55 cm 4/13/05 Cement 1st stage w/ 490 st A O R We Recompleted operations. I hereby certify that the information above is true and completed operations. 	early state all pertinent details, and 3. For Multiple Completions: Att nd 65 sx plug @ 10,000' asing to 9943' w/ DV to x 50/50 Poz H & 2nd sta	ach wellbore diagram of proposed completion ol @ 5485'. ge w/ 345 sx F02 1456 / 300 Plan						
 13. Describe proposed or completed operations. (Choof starting any proposed work). SEE RULE 110 or recompletion. 4/07/05 Drill to TD 10400' 4/08/05 Set 45 sx plug @ 10,400' and 4/12/05 Ran 5 ½" 17# N-80 & J-55 cm 4/13/05 Cement 1st stage w/ 490 starting and the information above is true and com grade tank has been/will be constructed or closed according to NMO SIGNATURE Tom Golden on Yole 	early state all pertinent details, and 3. For Multiple Completions: Att asing to 9943' w/ DV to asing to 9943' w/ DV to x 50/50 Poz H & 2nd sta plete to the best of my knowledge CD guidelines [], a general permit [] o 	ach wellbore diagram of proposed completion ol @ 5485'. ge w/ 345 sx Po2 H 456 ge w/ 345 sx Po2 H 456 ge w/ 345 sx Po2 H 456						
 13. Describe proposed or completed operations. (Choof starting any proposed work). SEE RULE 110 or recompletion. 4/07/05 Drill to TD 10400' 4/08/05 Set 45 sx plug @ 10,400' and 4/12/05 Ran 5 ½" 17# N-80 & J-55 cm 4/13/05 Cement 1st stage w/ 490 starting and the information above is true and comgrade tank has been/will be constructed or closed according to NMO SIGNATURE Tom Golden Completed operations. 	early state all pertinent details, and 3. For Multiple Completions: Att and 65 sx plug @ 10,000' asing to 9943' w/ DV to x 50/50 Poz H & 2nd sta	ach wellbore diagram of proposed completion ol @ 5485'. ge w/ 345 sx Po2 H 456 / Control of the second se						
 13. Describe proposed or completed operations. (Choof starting any proposed work). SEE RULE 110 or recompletion. 4/07/05 Drill to TD 10400' 4/08/05 Set 45 sx plug @ 10,400' and 4/12/05 Ran 5 ½" 17# N-80 & J-55 cm 4/13/05 Cement 1st stage w/ 490 starting and the information above is true and com grade tank has been/will be constructed or closed according to NMO SIGNATURE Tom Golden on Yole 	early state all pertinent details, and 3. For Multiple Completions: Att asing to 9943' w/ DV to asing to 9943' w/ DV to x 50/50 Poz H & 2nd sta which is a several permit of or CD guidelines [], a general permit of or TITLE_Operations Mana E-mail address:	ach wellbore diagram of proposed completion ol @ 5485'. ge w/ 345 sx Poz A 456 regiment and belief. I further certify that any pit or below- or an (attached) alternative OCD-approved plan []. EngerDATE 4/25/05 Telephone No.						
 13. Describe proposed or completed operations. (Choof starting any proposed work). SEE RULE 110 or recompletion. 4/07/05 Drill to TD 10400' 4/08/05 Set 45 sx plug @ 10,400' and 4/12/05 Ran 5 ½" 17# N-80 & J-55 cm 4/13/05 Cement 1st stage w/ 490 starting and the information above is true and complete the information above is true and complete tank has been/will be constructed or closed according to NMO SIGNATURE Tom Golden Complete Type or print name For State Use Only 	early state all pertinent details, and 3. For Multiple Completions: Att asing to 9943' w/ DV to asing to 9943' w/ DV to x 50/50 Poz H & 2nd sta where the best of my knowledge CD guidelines [], a general permit [] o 	ach wellbore diagram of proposed completion ol @ 5485'. ge w/ 345 sx Poz H 456 Peget and belief. I further certify that any pit or below- or an (attached) alternative OCD-approved plan []. Ager DATE 4/25/05 Telephone No. GINEER. APR 2 9 2005						
 13. Describe proposed or completed operations. (Choof starting any proposed work). SEE RULE 110 or recompletion. 4/07/05 Drill to TD 10400' 4/08/05 Set 45 sx plug @ 10,400' and 4/12/05 Ran 5 ½" 17# N-80 & J-55 cm 4/13/05 Cement 1st stage w/ 490 starting and the information above is true and comgrade tank has been/will be constructed or closed according to NMO SIGNATURE Tom Golden Completed operations. 	early state all pertinent details, and 3. For Multiple Completions: Att asing to 9943' w/ DV to asing to 9943' w/ DV to x 50/50 Poz H & 2nd sta which is a several permit of or CD guidelines [], a general permit of or TITLE_Operations Mana E-mail address:	ach wellbore diagram of proposed completion ol @ 5485'. ge w/ 345 sx Poz A 456 regiment and belief. I further certify that any pit or below- or an (attached) alternative OCD-approved plan []. EngerDATE <u>4/25/05</u> Telephone No.						

VII. DATA SHEET: PROPOSED OPERATIONS

1. Proposed average and maximum daily rate and volume of fluids to be injected; Respectively, 2000 BWPD and 3000 BWPD

2. The system is closed or open;

Closed

3. Proposed average and maximum injection pressure;

100-360#

4. 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;

N/A

VIII. GEOLOGICAL DATA

Wolfcamp

- 1. Lithologic Detail; Dolomite
- 2. Geological Name; Wolfcamp
- 3. Thickness; 1060'
- 4. Depth; 10,005-11,065'

IX. PROPOSED STIMULATION PROGRAM

1. To be treated with 1000 gallons 15% acid

X. LOGS AND TEST DATA

1. Well data has been filed with the OCD

XI. ANALYSIS OF FRESHWATER WELLS

1. Attached

Additional Information Waters Injected: Abo, Blinebry and Queen

XII. AFFIRMATIVE STATEMENT

RE: Mule SWD #1

We have examined the available geologic and engineering data and find no evidence of open faults or any other hydraulic connection between the disposal zone and any underground source of drinking water.

Mack Energy Corporation

Date: //-27-2007

Jerry W. Sherrell, Production Clerk



Post Office Box 960 Artesia, NM 88211-0960 Office (575) 748-1288 Fax (575) 746-9539

November 28, 2007

VIA CERTIFIED MAIL 7006 0100 0002 8524 5440 RETURN RECEIPT REQUESTED

State Land Office PO Box 1148 Santa Fe, NM 87504-1148

Gentlemen:

Enclosed for your review, is a copy of Mack Energy Corporation's application for a Wolfcamp SWD well. The Mule SWD #1 located 660 FSL & 660 FWL, Sec. 13 T18S R34E Lea County.

This letter will serve as a notice that Mack Energy Corporation has requested administrative approval from the NMOCD to convert this well into a water disposal well. If you have any objections, you must notify the Oil Conservation Division in Santa Fe in writing within fifteen (15) days of receiving this letter.

Sincerely,

MACK ENERGY CORPORATION

leny W. Shendl

Jerry W. Sherrell Production Clerk

JWS\



Post Office Box 960 Artesia, NM 88211-0960 Office (575) 748-1288 Fax (575) 746-9539

November 28, 2007

VIA CERTIFIED MAIL 7006 0100 0002 8524 5433 RETURN RECEIPT REQUESTED

Rex Energy Operating Corp. 1965 Waddle Road State College, PA 16803

Gentlemen:

Enclosed for your review, is a copy of Mack Energy Corporation's application for a Wolfcamp SWD well. The Mule SWD #1 located 660 FSL & 660 FWL, Sec. 13 T18S R34E Lea County.

This letter will serve as a notice that Mack Energy Corporation has requested administrative approval from the NMOCD to convert this well into a water disposal well. If you have any objections, you must notify the Oil Conservation Division in Santa Fe in writing within fifteen (15) days of receiving this letter.

Sincerely,

MACK ENERGY CORPORATION

! Shend

Jerry W. Sherrell Production Clerk

JWS\



Post Office Box 960 Arresia, NM 88211-0960 Office (575) 748-1288 Fax (575) 746-9539

November 28, 2007

VIA CERTIFIED MAIL 7006 0100 0002 8524 5426 RETURN RECEIPT REQUESTED

Nadel & Gussman 601 N. Marienfeld Ste 508 Midland, TX 79701

Gentlemen:

Enclosed for your review, is a copy of Mack Energy Corporation's application for a Wolfcamp SWD well. The Mule SWD #1 located 660 FSL & 660 FWL, Sec. 13 T18S R34E Lea County.

This letter will serve as a notice that Mack Energy Corporation has requested administrative approval from the NMOCD to convert this well into a water disposal well. If you have any objections, you must notify the Oil Conservation Division in Santa Fe in writing within fifteen (15) days of receiving this letter.

Sincerely,

MACK ENERGY CORPORATION

-W. Shered

Jerry W. Sherrell Production Clerk

JWSI



Post Office Box 960 Artesia, NM 88211-0960 Office (575) 748-1288 Fax (575) 746-9539

November 28, 2007

VIA CERTIFIED MAIL 7006 0100 0002 8524 5419 RETURN RECEIPT REQUESTED

Yates Petroleum Corporation 105 South Fourth Street Artesia, NM 88210

Gentlemen:

Enclosed for your review, is a copy of Mack Energy Corporation's application for a Wolfcamp SWD well. The Mule SWD #1 located 660 FSL & 660 FWL, Sec. 13 T18S R34E Lea County.

This letter will serve as a notice that Mack Energy Corporation has requested administrative approval from the NMOCD to convert this well into a water disposal well. If you have any objections, you must notify the Oil Conservation Division in Santa Fe in writing within fifteen (15) days of receiving this letter.

Sincerely,

MACK ENERGY CORPORATION

y W. Shenell

Jerry W. Sherrell Production Clerk

JWSI



Post Office Box 960 Artesia, NM 88211-0960 Office (575) 748-1288 Fax (575) 746-9539

November 28, 2007

VIA CERTIFIED MAIL 7006 0100 0002 8524 5402 RETURN RECEIPT REQUESTED

Chevron USA Inc. 11111 South Wilcrest Houston, TX 77099

Gentlemen:

Enclosed for your review, is a copy of Mack Energy Corporation's application for a Wolfcamp SWD well. The Mule SWD #1 located 660 FSL & 660 FWL, Sec. 13 T18S R34E Lea County.

This letter will serve as a notice that Mack Energy Corporation has requested administrative approval from the NMOCD to convert this well into a water disposal well. If you have any objections, you must notify the Oil Conservation Division in Santa Fe in writing within fifteen (15) days of receiving this letter.

Sincerely,

MACK ENERGY CORPORATION

! Spenell

Jérry W. Sherrell Production Clerk

JWS

Jones, William V., EMNRD

From: Jerry Sherrell [jerrys@mackenergycorp.com]

Sent: Friday, December 07, 2007 3:31 PM

To: Jones, William V., EMNRD

Subject: Mule SWD Legal Notice

Attachments: Mule Affidavit.pdf

Hello Will,

Attached is the Legal Notice for the Mule SWD #1. I submitted this application for approval of a SWD well. If you have any questions let me know.

Thanks,

Jerry W. Sherrell Mack Energy Corporation Office 505-748-1288 Cell 505-703-8383 jerrys@mackenergycorp.com

This inbound email has been scanned by the MessageLabs Email Security System.

AFFIDAVIT OF PUBLICATION

State of New Mexico, County of Lea.

I, KATHI BEARDEN

PUBLISHER

of the Hobbs News-Sun, a newspaper published at Hobbs, New Mexico, do solemnly swear that the clipping attached hereto was published once a week in the regular and entire issue of said paper, and not a supplement thereof for a period.

of _____1

_____weeks.

Beginning with the issue dated

November 30 2007 and ending with the issue dated

November 30 2007

PUBLISHER Sworn and subscribed to before

me this	30th	day of
---------	------	--------

November Notary Public.

My Commission expires February 07, 2009



ţ

OFFICIAL SEAL DORA MONTZ NOTARY PUBLIC STATE OF NEW MEXICO My Cummission Expires

This newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Laws of 1937, and payment of fees for said publication has been made. 67100900000 02597313 MACK ENERGY CORPORATION PO BOX 960 ARTESIA,, NM 88211-0960

LEGAL NOTICE November 30, 2007

Mack Energy Corporation, Post Office Box 960, Artesia, NM 89211-0960, has filled an Application with the New Maxiao Off Conservation Division seeking authorization to inject produced esit water in the Mula SWD #1.01 Socian 13, Jownship 18 South, Range 34 East, NMPM, Lea County, New Maxico. The water will be injected into the violicamp formation at a disposed depth of 10,005 test to 11,085 feet. Water will be injected at a maximum surface pressure of 360 pounds and a maximum injection rate of 3000 BWPD. Any interested party with questions or commente may conted Jerry W. Sherrell at Mack Energy Corporation, Post C/ fice Box 960, Artesia, New Maxico 86211-0960 or call (505) 748-1288, Objections to this application or requests for hearing mula be filled with the Oli Conservation Division, 1220 South Saint Francis Drive, Santa Fe, New Mexico 87305, within filteen days of the date of the publication of this notice.

Jones, William V., EMNRD

 From:
 Jones, William V., EMNRD

 Sent:
 Thursday, January 17, 2008 2:10 PM

 To:
 'Jerry Sherrell'

 Cc:
 Charles Sadler; Matt Brewer

Subject: RE: SWD Application from Mack Energy: Mule SWD #1 30-025-29288 Unit M, Sec 13, T18S, R34E, Wolfcamp

Thanks Jerry Will release this to Mark today.

From: Jerry Sherrell [mailto:jerrys@mackenergycorp.com]
Sent: Thursday, January 17, 2008 1:50 PM
To: Jones, William V., EMNRD
Cc: Charles Sadler; Matt Brewer
Subject: RE: SWD Application from Mack Energy: Mule SWD #1 30-025-29288 Unit M, Sec 13, T18S, R34E, Wolfcamp

Will,

The State of New Mexico owns both the surface and the minerals in this acreage. We aquired an oil and gas lease covering all depths from the State on December 1, 2007. The State Land Office, as surface owner was notified of our SWD application. I am faxing the before wellbore diagram now.

Thanks,

Jerry W. Sherrell Mack Energy Corporation Office 505-748-1288 Cell 505-703-8383 jerrys@mackenergycorp.com

From: Jones, William V., EMNRD [mailto:William.V.Jones@state.nm.us]
Sent: Thursday, January 17, 2008 11:53 AM
To: Jerry Sherrell
Cc: Ezeanyim, Richard, EMNRD; Williams, Chris, EMNRD
Subject: SWD Application from Mack Energy: Mule SWD #1 30-025-29288 Unit M, Sec 13, T18S, R34E, Wolfcamp

Hello Jerry:

I have this ready to release, but should get a "before" wellbore diagram from you. The well file shows it to be a Manzano well that DSTed this Wolfcamp interval and never ran production pipe. Could you fax this in?

Also, tell me about how Mack procurred the wellbore - Had it reverted back to the State Land Office as the surface owner and Mack obtained the rights to it from them? Or was the well still held by someone else?

I see it is not productive, but does Mack control the minerals in the Wolfcamp? If not, who does, and were they notified?

Thanks,

William V. Jones PE New Mexico Oil Conservation Division 1220 South St. Francis Santa Fe, NM 87505 505-476-3448

Injection Permit Checklist 2/8/07 SWD Order Number Dates: Division Approved ____ District Approved Well Name/Num: Mule Sup # 86 Date Spudded: API Num: (30-) 025-29288 County: Loa Footages 660 FSLK60 FWL Sec 13 TSp 185 Rge 34E Contact Terry W. Schenell Mark Energy CORP. Operator Name: Operator Address: 10 Box 918 88211-0960 artesen KM 7/09905 10×10= 13237 È P Ini. Tubina Size: 若 Current Status of Well: Planned Work: Hole/Pipe Sizes Depths Cement Top/Method 13378 17/2 CIRC Surface 350 350 8 5/8 CIRC 3572 Intermediate 1700 proposal 512 11 200 CIRCE 2300 Produ Last DV Too Open Hole/Liner Plug Back Depth After Conversion 1 Diagrams Included (Y/N): Before Conversion Checks (Y/N): Well File Reviewed Prille By Monzon ELogs in Imaging Intervals: Producing (Yes/No) Depths Formation Salt/Potash Capiter-Reef -Gliff-House, Etc: B,S 1 9650 Formation Above U/C 2000 PSI Max. WHIP 003 \$10 Top Inj Interval **N**[●] Open Hole (Y/N) Bottom Ini Interval NO No Deviated Hole (Y/N) 12,200 Formation Below Nerrow _____ Wells(Y/N) _____ Analysis Included (Y/N): _____ Affirmative Statement Fresh Water: Depths: Salt Water Analysis: Injection Zone (Y/N/NA) ____ DispWaters (Y/N/NA) ____ Types: ABO, BLina Quan Notice: Newspaper(Y/N) / Surface Owner (Y/N) _Mineral Owner(s) Other Affected Parties: Koy Every Nodel Grown, Xule, Chevn AOR/Repairs: NumActiveWeyls O Kepairs? Producing in Injection Interval in AOR Repairs? Diagrams Included? AOR Num of P&A Wells RBDMS Updated (Y/N) Well Table Adequate (Y/N) UIC Form Completed (Y/N) ____Tsp New AOR Table Filename Sec Rge This Form completed Conditions of Approval: Sec Tsp Rge Data Request Sent arren Zore WBD. AOR Required Work: Required Work to this Well: