DATE	N-18-05 SUSPENSE 03 ENGINEER (DNC) LOGGED IN 21-05 TYPE SUD PAPENON (1508033445
	ABOVE THIS LINE FOR DIVISION USE ONLY 975
	NEW MEXICO OIL CONSERVATION DIVISION
	- Engineering Bureau -
F	1220 South St. Francis Drive, Santa Fe, NM 87505 <u>AV SWD#2</u> <u>30-005-63706</u>
	ADMINISTRATIVE APPLICATION CHECKLIST
	THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE
Аррі	ication Acronyms: [NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication] [DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling] [PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement] [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion] [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase] [EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production_Response]
[1]	TYPE OF APPLICATION - Check Those Which Apply for [A] [A] Location - Spacing Unit - Simultaneous Dedication [A] NSL NSL NSP SD
	Check One Only for [B] or [C] [B] Commingling - Storage - Measurement DHC CTB PLC PC OLS OLM Same F. NM 8775
	[C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
	[D] Other: Specify
[2]	[D] Other: Specify
	[B] 🗌 Offset Operators, Leaseholders or Surface Owner
	[C] Application is One Which Requires Published Legal Notice
	[D] Notification and/or Concurrent Approval by BLM or SLO U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office
	[E] For all of the above, Proof of Notification or Publication is Attached, and/or,
	[F] Waivers are Attached
[3]	SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.

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

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

<u>James W. Pringle</u> <u>James V. Intege</u> <u>perations Eng</u> <u>3/15/05</u> Print or Type Name <u>Joint Comparent Signature</u> <u>Joint Signature</u> <u>Joint Signat </u>

STATE OF NEW MEXICO ENERGY, MINERALS AND NATURAL **RESOURCES DEPARTMENT**

I.

II.

III.

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, New Mexico 87505

	APPLICATION FOR AUTHORIZATION TO INJECT Pay SWD #2 30-005-63706							
I.	PURPOSE: Secondary Recovery Pressure Maintenance X_Disposal Storage Application qualifies for administrative approval? X_Yes No							
II.	OPERATOR: Yates Petroleum Corporation							
	ADDRESS: 105 South 4 th Street, Artesia, New Mexico 88210							
	CONTACT PARTY: James W. Pringle PHONE: (505) 748 -4182							
III.	WELL DATA: Complete the data required on the reverse side of this form for each well proposed for injection. Additional sheets may be attached if necessary.							
IV.	Is this an expansion of an existing project?YesYesNo If yes, give the Division order number authorizing the project:							
V.	Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.							
VI.	Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.							
VII.	Attach data on the proposed operation, including:							
	 Proposed average and maximum daily rate and volume of fluids to be injected; Whether the system is open or closed; Proposed average and maximum injection pressure; Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and, If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.). 							
*VIII.	I. Attach appropriate geologic data on the injection zone including appropriate lithologic detail, geologic name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such sources known to be immediately underlying the injection interval.							
IX.	Describe the proposed stimulation program, if any.							
*X.	Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted).							
*XI.	Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.							
XII.	Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water.							
XIII.	Applicants must complete the "Proof of Notice" section on the reverse side of this form.							
XIV.	Certification: I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.							
	NAME: James W. Pringle							
	SIGNATURE: DATE: 03-08-05							

E-MAIL ADDRESS: <u>ipringle@ypcnm.com</u> If the information equired under Sections VI, VIII, X, and XI above has been previously submitted, it need not be resubmitted. * Please show the date and circumstances of the earlier submittal:

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

III. WELL DATA

- A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:
 - (1) Lease name; Well No.; Location by Section, Township and Range; and footage location within the section.
 - (2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.
 - (3) A description of the tubing to be used including its size, lining material, and setting depth.

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

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

- B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.
 - (1) The name of the injection formation and, if applicable, the field or pool name.
 - (2) The injection interval and whether it is perforated or open-hole.
 - (3) State if the well was drilled for injection or, if not, the original purpose of the well.
 - (4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.
 - (5) Give the depth to and the name of the next higher and next lower oil or gas zone in the area of the well, if any.

XIV. PROOF OF NOTICE

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

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

- (1) The name, address, phone number, and contact party for the applicant;
- (2) The intended purpose of the injection well; with the exact location of single wells or the Section, Township, and Range location of multiple wells;
- (3) The formation name and depth with expected maximum injection rates and pressures; and,

(4) A notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, 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.

side 1	INJECTION WELL DATA SHEET			
DPERATOR: Yates Petroleum Corporation	~			
WELL NAME & NUMBER: <u>Pay SWD #2</u>	PAT ATT Fal. Com	Jule OQ	No. 20	
WELL LOCATION: <u>660' FSL & 660' FWL</u> FOOTAGE LOCATION	M UNIT LETTER	11 SECTION	8S 26E TOWNSHIP RANGE	26E ANGE
WELLBORE SCHEMATIC		<u>WELL CONSTH</u> Surface Casing	WELL CONSTRUCTION DATA Surface Casing	
	Hole Size: <u>12 ^{1/4}"</u>		Casing Size: <u>8 5/8" @ 1,048'</u>	
	Cemented with: 1,200	SX.	or	ff
	Top of Cement: <u>surface</u>		Method Determined: visual	
		Intermediate Casing	Casing	
	Hole Size:		Casing Size:	
	Cemented with:	SX.	or	ff
	Top of Cement:		Method Determined:	
		Production Casing	asing	
	Hole Size: 7 7/8"		Casing Size: <u>5 ½"</u>	
	Cemented with: 1,125	sx.	or	ft3
	Top of Cement: 200'		Method Determined: CBL	
	Total Depth: <u>6,378'</u>			
		Injection Interval	erval	
	6,188'	feet	feet to 6,222' perforated	
	(Perfor	ated or Open Hole	(Perforated or Open Hole; indicate which)	

WELLNAME: PAVAYY Fed. Com #2 FIELD: N. FOOR KANCH WELLNAME: PAVAYY Fed. Com #2 FIELD: N. FOOR KANCH LOCATION: кв: <u>3.918</u> 3,899' ZERO: . AGL:_ 1/19/05 COMPLETION DATE: CASING PROGRAM SPUD DATE: SIZE/WT/GR/CONN DEPTH SET COMMENTS: 85/8", 24.0 #1ft J-55 50 1, 048 51/2", 15.50 #1ft, J-55, LTAC 6,378' TOC: 200'H-OC: 158',1" w/300 sincks cmT vire to surface 12/14" hole 8%"set @ 1,048' cmTD w/900 SACKS 7%" hole 195+1-Jts of 27/8" plastic COATED + bg NICKel PLATED PKr @ 6,150'+/-Silurian 6,188'-6,222' W/ 4jspf PBTD: 6,333' FC 51/2 set@ 6,378' CMTD W/ 1,125 SACKS DATE: 2/7/05 Jug TD: 6,378' - SKETCH NOT TO SCALE -

If no, for what purpose was the well originally drilled? the well was drilled to be a producing Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: Strawn top of Strawn - 5848', Cisco top of Cisco - 5714' Has the well ever been perforated in any other zone(s)? List all such perforated No N intervals and give plugging detail, i.e. sacks of cement or plug(s) used. no Name of Field or Pool (if applicable): Foor Ranch, North (Pre-Permian) Lining Material: plastic × Yes **INJECTION WELL DATA SHEET** Wolfcamp top of WLFC – 5150', Abo top of Abo – 4450' Additional Data Other Type of Tubing/Casing Seal (if applicable): _ Name of the Injection Formation: Silurian Is this a new well drilled for injection? Type of Packer: <u>Guiberson Uni-VI nickel plated</u> Packer Setting Depth: 6,150'+/-Tubing Size: 2 7/8" oil or gas well ė. Ś. ci 4

Side 2

C-108 Application for Authorization to Inject Yates Petroleum Corporation Pay SWD #2 Unit M Sec. 11, T8S, R26E Chaves County, New Mexico

I. The purpose of completing this well is to make a disposal well for produced Cisco water into the Silurian Dolomite Formation.

Yates Petroleum Corporation plans to convert this well to a water disposal well into the Silurian formation.

- II. Operator: Yates Petroleum Corporation 105 South Fourth Street Artesia, NM 88210 James W. Pringle (505) 748-4182
- III. Well Data: See Attachment A
- IV. This is not an expansion of an existing project.
- V. See attached map, Attachment B.
- VI. Three wells within the area of review penetrate the proposed injection zone. (See Attachment C)
- VII. 1. Proposed average daily injection volume approximately 1000 BWPD. Maximum daily injection volume approximately 1750 BWPD.
 - 2. This will be a closed system.
 - 3. Proposed average injection pressure 750 psi. Proposed maximum injection pressure – 1000 psi.
 - 4. Sources of injected water would be produced water from the Cisco. (Attachment D)
- VIII. 1. The proposed injection interval is the Silurian from 6188' 6222'.

Underground water sources of drinking water are in the Alluvial fill from surface to 300'.

Application for Authorization to Inject Pay SWD #2

-2-

2. Possible Fresh water zones overlie the proposed injection formations at depths to approximately 300'. There are no water zones underlying the formation.

- IX. The proposed disposal interval may be acidized with 20% HCL acid.
- X. Logs were filed at your office when the well was drilled.
- XI. <u>0</u> water wells exists within a one-mile radius of the subject location.
- XII. Yates Petroleum Corporation has examined geologic and engineering data and has found that there is no evidence of faulting in the proposed interval. (Attachment G)
- XIII. Proof of notice.
 - A. Certified letter sent to the surface owner and offset operators attached (Attachment E)
 - B. Copy of legal advertisement attached. (Attachment F)
- XIV. Certification is signed.

Yates Petroleum Corporation Pay SWD #2 Chaves County, New Mexico

Attachment A

III. Well Data

.

- A. 1. Lease Name/Location Pay SWD #2 M-Sec 11, T8S-R26E 660' FSL & 660' FWL
 - 2. Casing Strings:
 - a. Present well condition
 8 5/8", 24.00#, J-55 ST&C set @ 1,048' (circ)
 5 ½", 15.50#, J-55, LT&C set @ 6,378', TOC 200'+/-
 - b. Present Status: SI waiting on completion
 - Proposed well condition: Casing same as above.
 2 7/8" plastic-coated tubing w/ a nickel-plated Guiberson Uni-VI packer set @ 6,150' +/-.
- B. 1. Injection Formation: Silurian.
 - 2. Injection Interval will be through perforations from approximately 6,188' to 6,222'.
 - 3. Well was originally drilled as an exploratory Silurian well. Well will be a Silurian disposal well.
 - 4. Next higher (shallower) oil or gas zone within 2 miles Strawn. Next lower (deeper) oil or gas zone within 2 miles - none.

		Dale-red. White Yok Roy Lo.	Y" U.S." Vance Fed."	ance:		
	TD 1200 XP Yates Pet. / X	Pecos River Oper, Isc. 7	Durin Province Fed. Dale-Fed. Exca Res., S/R D/A 3: 446 (Coda Ener.)	Yotes Pet.	tries 1 Dunn Voke Pert Per V Hanson stal radi Toresse Vecon Viscon Viscon Vecon Vecon 42 50 142 50 142 50 1	101-37-2007
	Parts Starts Strikes	(WC Disc.) 4	41493	ManzanoOil	42 29 1 42 29 1 Colte Oil, et al LG 1459	2 · 18 · 2007 18 · 2007 2 · 4 · 2007 N.M.C. Char Char
	Pet, Starres 7 (10) 51-Levers 1.1 2007 	Phi JANSHI M.G. Peters Dale Fed. Oper. Dale Fed. J TD1282 Dale Fed. J TD1282 Dale Fed. J TD1282	\$2'A 25MI 2 1 A (Pet Dev.Corp)	нвр	6.98
	Value Dat 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Apache I	Mekay 1 IVW Qil XZZTMil	2 (Inexco) 2 4 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Mariey-Amoco Pet., etal	etal
	Squirrel-S1." "Pennzail	"Nichols-Dale-Fed"	(Intxco) Yates Pet. 39271 18562	"Laurakea" Pecos-Fed."	TD9000 V 6509 0/AC 8 83 42 39 4	aige al
				aura Marley (S) Laura Marley (S)	State '	U S. Fairelath 4021 4139.05 3 39.73 2 39.61 1 39.56
	4 7 2 Yates Pet. Yates Pet 17206 18607	-4 3 2 1 ₩ Yartes Pet, etal	41 3 Yorks Per 41-71 Hold S/R 21-71 # 011 7 Wekey 3-5-2002 P/R	41 Caito 3 21 - Oil etai - Oil etai	A Paul Slauton A Paul Slauton Pecos Slope Partners 1/2	4021 4139.03 3139.73 2139.61 / 39.56 Mtn. Staries 3/4 Poul Sloyferi tg2080 H.8.P. 5-364
		Yates Pet.	A OII A GRAD S 2002 DIR A THE CONTRACT OF CONTRACT CONTRACT OF CONTRACT OF CONTRACT CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT CONTRACT OF CONTRACT OF CONTRAC	Marathan Sec.2-St		40.66 5 vates pet
	5	15427 "Salem" 4	(NOT (TO 4150) Davidson, erai M.I. "McKay Winston" H.W.Fairclath	70 +900 2	"Slayton-Fed."	
	(Union)	2 Yotes Pet / Morshall V 18607 / Winning "T2" (Hinking) Martin (Hinking)	Yates Pet etai 3 * Percentage Penn. Disc. 3.* Mil.	Peces River Oper, Inc. 1695		41.43 6 Yates Per 12 \$7 16 4906 55 % 13 55 M.B.C.
	122395 122395 1-1-0-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1		"Salem" #2 (PIB) Dual	2 River A Railroad 1 "Value St.		42.02 7
	"Dorothy Fed." U.S. "Rita Fed."	U.S. Dual	"Salem" K2 Marshall-Wintton Hinkle Tr., M.I. RTa Peck 1/2 Yates Pet., etal	3Mil- Ord. Disc. 5 ofe	U.S. Pecas Sloge	4229 / State Readrunner St."
	Yates Pet. "ZV" HBP 21099	Yates Pet 17-1-851 HBP / 18607 0	Yates Pet. 93184 41 31099 3:YG 93184 41 Morathan / HBC 94.8:5:63 3:ARJ	* Slong (A) Pecps Slope 105197 Partners,/2 900 Paul Stayton HBP	Partners 72 Paul Slayton HBP	1 V-133 5.6 Dunn 3.4
	Shell Commanche Unif B TD 1340 DV4 5-2:e5	"YG" L	HBC 101760 33 3-ARJ	Yortes Pet.etul 92154	14253	42.26 2) Faircloth (Shell OR) State" B-8639
	8	9	(PIB) 10_Josper/Fed"		12	A TIA 7
	"Byers"		. * ^{2 Y6}	"Pay Fed. Com."		422 44 91 Yotes Peri 12 - 1 - 67 L6-4906 1 - 1355
	Clariene Byers Yates Pet. H.C.Beck & M.I. Byers W.O.Cunninghory M.I. WC Disc C M Slaught MC Disc	"Horn Fed. Com."	YG	2-AYY	Union % Chapara Decad	42.21 4 YatesPet
_	G.M. Slought 60. er III. etal 1/4 (DD) M.I. U.S. (S) (DD) U.S.	<i>u.s.</i>	₩ (wo) "Horn-Fed." U.S.	u.s .	U.S. 17-11-7143 U.S. 17-11-7143 1039324	State 17 15.6 Dumn
	0 ^{7.TJ} Pace Expl ⁻ 0 ^{7.TJ} Yates Barnburger 101434 HBP D/A 7-21-83	 √2 Chesapeake Yates Pet, etal 6 - 1 - 2006 5 - 1 - 31 √ - 6319 ∠ - 6319 ∠ - 6319 ∠ - 6319 ∠ - 8 - 336 - 43 	Yates Pet. HBP	Yatas Pet. 3.40 HBP 17208 / Etz	(Pecos Slope Partmers, /e) (Paul Slayton) HBP (4293	Vates Vi34 V.134 V.134 V.134 V.134 V.134 V.134 V.134
	18034	Blanco Co	31099	Etr Per	Yotes Pet. Jervis Ara * Fed.	42.12 21 Yotes Pet, etal 4 1 2004
_	17		011 20 15 19 65	"Dorothy-Fed" 4	U.S. 3	42.08 3 18 16 91
		⊗' \ * '	Yates Pet, etal 4 ³³ HBP 1 07 18214	Yotes Pet, etci * 3 Ruby Jo	Yates Pet, etal /	42.02 4 42.02 4 42.02 4
	Brahaney Fød.	Pace Expl. Barnburner, J. Yates Peteral D6350 (Shenandooh) 04772163 (Shenandooh) H B.C. (14705	TYpes ~	ATY" ATY	11 2 2004 3 11 2004 3 12 2004 12 3 2004 12 3 2002 "Ruby 40"	
-2- y"	Fød. 17 1288 D/A 6-17-63 U. S.		26 US	Ruby Jo" Oraty S.W. Lodewick Wo S.P. Duke Trust, etgl	S.W. Lødewick/ B.R.Duke Trustetal	state : Viere
	Yotes Pet. "TJ"	(H.Done Nichota) y Yotes Pet, etal	Yates Pet.etal "XG" Tates Pet,etal	B-TJ Yates Pet 4-F Cities Serv.	Pecos Siope Partners', 1/2 Paul Slayton MBP	41.99 / Yates Pet,etal LG4911
	16031	(N.Date Nichoss) yr Yates Petretal Deraib (Norworthu) - (W.G.) (Devaib Fed) Dia 1:21:61	20346 2.74	Cities Serv. 1.3 Mil. 18031 Govt. TD 2354 0/4 2-20-62	14293	LG4911 4196 21 Yutes Pet. Secrets Flower 2 Sa pric. PB
	₩ ⁴ "Huckabay-Fed." (4 Mil. U.S. 20	U.S.	22	23	24	
	Yates, etal 1 - 16 - 67 11 - 15 - 68	Sanco Oper. 2 - 4 - 2008		3-24 Yates Pet. *20346		
> Mił 7w*	Eula Branson Patricia Montgomery, etal &	"Kilgore,etal"		"Huckobay Fed."	Per.	Aigi 4 Cactus Flower-
ria rta/	2-st #13kin Yates Pet HBC Bestwart 512 S12 Bestwart Scheme" Bestwart Gypsum Co.	Lucille Dixon,etal.M. 1 Mii. Stella Kilgore J.H. Mullis	"Marshall" HIZA Roxonna & # C.L.Brotton,etal U.S.	Charlie Fed. Com. 4.3.	U.S. 20346	State
	Yotes Pet. Acme Yotes Pet. etal	Mesa, etai	Yates	Yates	Peteral & ARJ	4170 11 02 Elk Oil Rynym
		1.17711.17551. 1.17711.17551. 1.17711.17551.1	4 1 87 29623	4 · I 87 29623	93164 (P/B)	41 30 2 V 5081
-	2.3 Mil	1		listent and li	25 © MAP	
	(Meno) × 29 ACME × \$1	28	27	26	25 MM	40.90 J 30
	Abo Disc.	Acme 10 4908	A.T. 8 S.F. R.F	1	MIDL Jasper-Fed.	40.50 4 (E K Oil) 40.50 4 50 Acrest. 40.50 (0 12 at ≥0) Runyan St. Ut." (DD) State
	"Acme" Bestwall Gypsum Ca.	Acme" Bestwail GypsumCo	U.S .	U. S.	SARJ "Josper Fed." * HARJ U. 5.	
ins	¥ ¹ X ¹ TU"	Yates Pet. Yates Pet	Yates Pet. etai 3 i - 2010 103850	Yates fet. etal 3 i. zolo 1 03850	.2 ^{#3} si.	20.51 1 Yotes Pet., etai
	D.T. McCrea	29623 D.T. McCreo "AEL"	5599	103850 5 <u>590</u>	4.3MIL Concho 06.6. LG-7983	2. AEW L64916 40 94 Dual
	Yates Pet. LG-2621 (1918) "TD"	₩ ³ 1.6 Mil.	or ranch,	IN.W.	36	
'er	32 *'	33 ★ [#] "Filaree - Fed " ₅	34 Yestes Pet.	35	Э6 ,≭ ¹ _{2,Э міі} .	āi 36 3 31
	***********	SR "Filaree - Fed" 5 o	Yates Pet. Nitram Fed. TO 5000 NTO 5725 NTO 5755 NTO 57555 NTO 5755 NTO 5755 NTO 5755 NTO 5755 NTO 575	draw ""		41.79 4
tai" 11 M.1.	"Thunderhead-St." State	4 Yates Pet. Filares - Fed. # 2.3 Mil.	U.S.	chment B	"Jon-St." State	sandiewood
ûper	39.99 4 39.97 3 39.95 2 39.93 /	38.97 4 40.07 3 40.17 2 40.27 Yates Pet, etal Yotes Pet.	1 40.38 4 40.28 3 40.25 2 40.21	40.18 4 40.15 7140.11 2 40.08 Yotes Per etai	7 40.93 4 40.04 3 40.02 2 40.01 Eastend Oil	1 4019 41 99 92 31 99 88 21 39 82
l f		H.B.P. 16790 639,000	2.5 Mil "1-4" 7.5 Mil "1-4" 5-(-93 71747 1550 71747	140.18 4 140.15 1140.11 2140.00 Yotes Pet. etai 1 1 2005 V 5685, 34-92		Plains Radio etal Brodcasting Co 40.65 5 Pourt August
-	Yates Pet.	W.C.	16790 8420 		ACCA.	+Abol 2M
ellan Fød. Disc	ав∘і∘в С (7:ес ^{96,1} ,6	<u> </u>	3	Yates Pet, etal2 1 1 2005 V:5686, 5000	F. Pool Byrom-st. 4.1 Mil	Comel St.
	McCletian 6	Yates Pet. 14 8 : 86 (PlB) 28171 Engwall-Fed."	YotesPet Federal Abb.Disc.		F. Pool Byrom-st. 4.1 Mil DVA 212.87	- Penn Disc.
	U.5.	1 U.S. 1.6 Mill.	o Biland	State	"Byrom - St." State	*Camel-St." State
					1	41.80 (EES) Maine Radio.etal

Yates Petroleum Corporaton

•

Pay SWD #2

1992 -1992 - Unit M, Sec. 11, T8S-R26E Chaves County, New Mexico Tabulation of data on wells within area of review

X 85/8" @ 932" (circ) 5 1/2" @ 6,038' TOC @ 3,860' 8 5/8" @ 1,012' (circ) 5 1/2" @ 6,565' TOC @ 3,670' Pecos Stope Abo - N. 4,436' - 4,776', Foor Ranch Pre-Permian 5,418' - 5,802' Pecos Slope Abo 4,452' - 4,825' 6,040 6,565' 5/17/00 10/15/02 2/15/00 5/11/02 Gas Gas Yates Petroleum Corporation Yates Petroleum Corporation 2 9 Horn YG Federal Well Name Horn YG Federal 30-005-63220 30-005-63462 API

8 5/8" @ 1,004' (circ) 5 1/2" @ 6,531' TOC @ 2,880' Pecos Slope Abo 4,566' - 4,950' 6,531' 4/26/02 6/22/01 Gas Cold March Cold 2 Yates Petroleum Corporation Dorothy VO Federal 30-005-63376

BJ SERVICES

Water Analysis

Date: 12/30/2004

2401 Sivley, Artesia NM 88210 Phone (505) 746-3140 Fax (505) 746-2293

Analyzed For

Company	v	Vell Name	Cc	ounty	State	
Yates Petroleum Corp.	Ruby Jo 1		Chaves New Mexico			
Sample Source			Sample #		1	
Formation			Depth			
Specific Gravity	1.165		SG @	60 °F	1.167	
pН	6.04		Sulfides		Not Tested	
Temperature (°F)	70		Reducing Agents		Not Tested	
Cations						
Sodium (Calc)		in Mg/L	66,098	in PPM	56,640	
Calcium		in Mg/L	20,000	in PPM	17,138	
Magnesium		in Mg/L	1,200	in PPM	1,028	
Soluable Iron (FE2)		in Mg/L	25.0	in PPM	21	
Anions						
Chlorides		in Mg/L	140,000	in PPM	119,966	
Sulfates		in Mg/L	400	in PPM	343	
Bicarbonates		in Mg/L	24	in PPM	21	
Total Hardness (as CaCO3)		in Mg/L	55,000	in PPM	47,129	
Total Dissolved Solids (Calc)		in Mg/L	227,748	in PPM	195,157	
Equivalent NaCl Concentration		in Mg/L	195,120	in PPM	167,198	

Scaling Tendencies *Calcium Carbonate Index

488,000

Below 500,000 Remote / 500,000 - 1,000,000 Possible / Above 1,000,000 Probable

*Calcium Sulfate (Gyp) Index

8,000,000 Below 500,000 Remote / 500,000 - 10,000,00 Possible / Above 10,000,000 Probable

*This Calculation is only an approximation and is only valid before treatment of a well or several weeks after treatment.

Remarks

Report #

1710

Attachment """" (produced certer)

MARTIN YATES, III 1912 - 1985 FRANK W. YATES 1936 - 1986



S. P. YATES CHAIRMAN OF THE BOARD JOHN A. YATES PRESIDENT PEYTON YATES EXECUTIVE VICE PRESIDENT RANDY G. PATTERSON SECRETARY DENNIS G. KINSEY TREASURER

105 SOUTH FOURTH STREET ARTESIA, NEW MEXICO 88210-2118 TELEPHONE (505) 748-1471

March 8, 2005

Bureau of Land Management Armando Lopez 2909 2nd Street Roswell, New Mexico 88201

Dear Mr. Lopez;

Enclosed please find a copy of form C-108 (Application for Authority to Inject) on Yates Petroleum Corporation's Pay SWD #2, located in; Unit M, Section 11, T8S-R26E, Chaves County, New Mexico.

Should you have any questions, please feel free to contact me at (505) 748-4182.

Sincerely,

inde

dames W. Pringle Operations Engineer

JWP Enclosure MARTIN YATES, III 1912 - 1985 FRANK W. YATES 1936 - 1986



S. P. YATES CHAIRMAN OF THE BOARD JOHN A. YATES PRESIDENT PEYTON YATES EXECUTIVE VICE PRESIDENT RANDY G. PATTERSON SECRETARY DENNIS G. KINSEY TREASURER

105 SOUTH FOURTH STREET ARTESIA, NEW MEXICO 88210-2118 TELEPHONE (505) 748-1471

March 8, 2005

Oil Conservation Division Tim Gum 1301 Grand Ave. Artesia, New Mexico 88210

Dear Mr. Gum;

Enclosed please find a copy of form C-108 (Application for Authority to Inject) on Yates Petroleum Corporation's Pay SWD #2, located in Unit M, Section 11, T8S-R26E, Chaves County, New Mexico.

Should you have any questions, please feel free to contact me at (505) 748-4182.

Sincerely,

Pringle

James W. Pringle Operations Engineer

JWP Enclosure

MARTIN YATES, III 1912 - 1985 FRANK W. YATES 1936 - 1986



S. P. YATES CHAIRMAN OF THE BOARD JOHN A. YATES PRESIDENT PEYTON YATES EXECUTIVE VICE PRESIDENT RANDY G. PATTERSON SECRETARY DENNIS G. KINSEY TREASURER

105 SOUTH FOURTH STREET ARTESIA, NEW MEXICO 88210-2118 TELEPHONE (505) 748-1471

February 28, 2005

Roswell Daily Record 2301 N. Main Roswell, New Mexico 88240

Gentlemen:

Yates Petroleum Corporation desires to place a public notice in your newspaper for one day. The notice is enclosed. Please place this notice in your paper on Sunday, March 6, 2005 and forward a copy of it with your billing as soon as possible to:

Yates Petroleum Corporation 105 S 4th Street Artesia, NM 88210 <u>Attn: James W. Pringle</u>

If you have any questions, please contact me at 748-4182. Thank you for your cooperation in this matter.

Sincerely,

Pringle

Uames W. Pringle Operations Engineer

JWP Enclosure

Attachment F

Legal Notice

Yates Petroleum Corporation, 105 South Fourth Street, Artesia, NM 88210, has filed form C-108 (Application for Authorization to Inject) with the New Mexico Oil Conservation Division seeking administrative approval for an injection well. The proposed well the Pay SWD #2, located in Unit M, Section 11, T8S-R26E, Chaves County, New Mexico, will be used for salt water disposal. Disposal waters from the Cisco will be re-injected into the Silurian at a depth of 6188'- 6222' with a maximum pressure of 1,000 psig and a maximum rate of 1750 BWPD.

All interested parties opposing the aforementioned must file objections or requests for a hearing with the Oil Conservation Division, 1220 South Saint Francis Drive, Santa Fe, New Mexico 87505-5472 within 15 days. Contacting James W. Pringle at (505) 748-4182 can obtain additional information.

AFFIDAVIT OF PUBLICATION

COUNTY OF CHAVES STATE OF NEW MEXICO

I, Fran Saunders, Legals Clerk

Of the Roswell Daily Record, a daily newspaper published at Roswell, New Mexico, do solemnly swear that the clipping hereto attached was published in the regular and entire issue of said paper and not in a supplement thereof for a period of:

one time

beginning with the issue dated

March

6th 2005

and ending with the issue dated

March 6th 2005

from Sounders

Sworn and subscribed to before me

This 8th Day of March 2005

Mari Notary

My Commission expires July 25, 2006

(SEAL)

Publish March 6, 2005 Legal Notice Yates Petroleum Corporation, 105 South Fourth Street, Artesia, NM 88210, has filed form C-108 (Application for Authorization to Inject) with the New Mexico Oil Conservation Division seeking administrative approval for an injection well. The proposed well the Pay SWD #2, located in Unit M, Section 11, T8S-R26E, Chaves County, New Mexico, will be used for salt water disposal. Disposal waters from the Cisco will be re-injected into the Silurian at a depth of 6188'-6222' with a maximum pressure of 1,000 psig and a maximum rate of 1750 BWPD. All interested parties opposing the aforementioned must file objections or requests for a hearing with the Oil Conservation Division, 1220 South Saint Francis Drive, Santa Fe, New Mexico 87505-5472 within 15 days.

Contacting James W. Pringle at (505) 748-4182 can obtain additional infor-

mation

Attachment G

C-108 Application for Authorization to Inject Yates Petroleum Corporation Pay SWD #2 Unit M Sec. 11, T8S, R26E Chaves County, New Mexico

Available engineering and geological data have been examined and no evidence of open faults of hydrologic connection between the disposal zone and any underground sources of drinking water has been found.

im Miller

<u>3-2-05</u> Date

Tim Miller Geologist Yates Petroleum Corporation

.