

ABOVE THIS LINE FOR DIVISION USE ONLY

extended for notice

1027-A

NEW MEXICO OIL CONSERVATION DIVISION
 - Engineering Bureau -
 1220 South St. Francis Drive, Santa Fe, NM 87505



ADMINISTRATIVE APPLICATION CHECKLIST

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

Application Acronyms:

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

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

- [A] Location - Spacing Unit - Simultaneous Dedication
 NSL NSP SD

Check One Only for [B] or [C]

- [B] Commingling - Storage - Measurement
 DHC CTB PLC PC OLS OLM

- [C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
 WFX PMX SWD IPI EOR PPR

- [D] Other: Specify _____

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

- [A] Working, Royalty or Overriding Royalty Interest Owners
- [B] Offset Operators, Leaseholders or Surface Owner
- [C] Application is One Which Requires Published Legal Notice
- [D] Notification and/or Concurrent Approval by BLM or SLO
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office
- [E] For all of the above, Proof of Notification or Publication is Attached, and/or,
- [F] Waivers are Attached

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

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

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

Print or Type Name	Signature	Title	Date
e-mail Address			

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



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

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

November 29, 2006

Will Jones
State of New Mexico
OIL CONSERVATION DIVISION
1220 South Saint Francis Drive
Santa Fe, NM 87505

Re: Cordova SWD No. 1
API 30-015-23751
SWD-1027

Dear Mr. Jones,

I would like to amend the current order SWD-1027. It currently states that Yates Petroleum has the authority to dispose of water in the Delaware from 2,452' down to 4,152'. And that our maximum injection pressure can not exceed 490 psi.

I would like to change the disposal interval to 3,294' down to 5,074'. This entire interval is all Delaware and includes the ~~Bel~~ Cherry Canyon and the Brushy Canyon.

I have included a map with the area of review on it; there are no wells are with in a 1/2 mile radius. Amoco tried to produce the same perforations that we are now proposing to inject into, they produced 100% water. The test are listed on the well bore sketch. Due to the fact there are no wells inside the area of review and production test proved that the intervals are only water bearing, I beleive that the proposed change would not be detrimental to any party and should be allowed.

If you have any questions or need additional information, please call me at (505) 748-4219.

Sincerely,

Mike Hill
Area Engineer
mhill@ypcnm.com

Enclosures

asked MIKE
FOR Legal
RE-NOTICE
11/31/06

659/mak

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



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TREASURER

RECEIVED

DEC 18 2006

December 14, 2006

Oil Conservation Division
1220 S. St. Francis Drive
Santa Fe, NM 87505

Will Jones
State of New Mexico
OIL CONSERVATION DIVISION
1220 South Saint Francis Drive
Santa Fe, NM 87505

Re: Cordova SWD #1

Dear Mr. Jones

Enclosed please find an Affidavit of Publication for the Cordova SWD #1 of 25-24S-27E, Eddy County, New Mexico. If you have any questions or need additional information, please call me at (505) 748-4361.

Sincerely,

Debbie Chavez
Engineering Technician

Enclosures

Affidavit of Publication

NO. 19513

Copy of Publication:

STATE OF NEW MEXICO

County of Eddy:

Gary D. Scott being duly

sworn, says: That he is the Publisher of The
Artesia Daily Press, a daily newspaper of general
circulation, published in English at Artesia, said county
and county and state, and that the here to attached

Legal Notice

was published in a regular and entire issue of the said
Artesia Daily Press, a daily newspaper duly qualified
for that purpose within the meaning of Chapter 167 of
the 1937 Session Laws of the state of New Mexico for
1 Consecutiv week/days on the same

day as follows:

First Publication December 3 2006

Second Publication _____

Third Publication _____

Fourth Publication _____

Subscribed and sworn to before me this

8th Day December 2006

Barbara Ann Beans
Notary Public, Eddy County, New Mexico

My Commission expires September ; 23, 2007

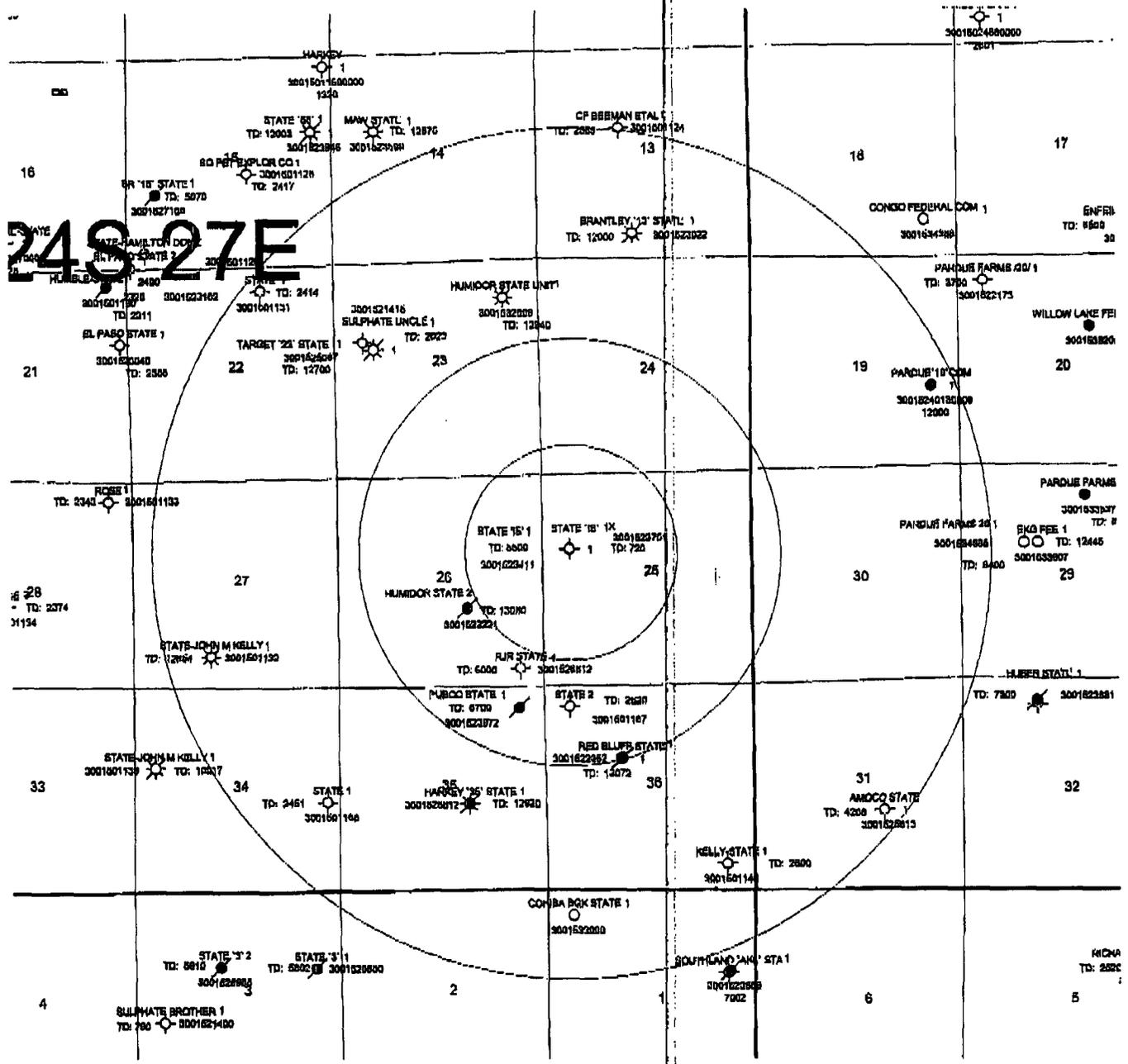
Legal Notice

Yates Petroleum Corpo-
ration, 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 Cordova SWD No. 1
located 2,005' FNL &
660' FWL, Unit E,
Section 25 Township 24
South, Range 27 East of
Eddy County, New Mexi-
co, will be used for salt-
water disposal. Disposal
waters from the Dela-
ware Sands will be
re-injected into the Dela-
ware Sand at a depth of
3,294-5,074' with a maxi-
mum pressure of 1,526
psi and a maximum rate
of 5,000 BWPD.

All interested parties op-
posing the aforemen-
tioned must file objec-
tions or requests for a
hearing with the Oil
Conservation Division,
1220 South Saint Francis
Drive, Santa Fe, New
Mexico 87505-5472,
within 15 days. Additional
information can be ob-
tained by contactng
James M. Hill at (505)
748-4219.

Published in the Artesia
Daily Press, Artesia,
N.M. December 3, 2006.

Legal 19513



24S 27E

YATES PETROLEUM	
Cordova SWD #1 (Formerly Amoco's State IS #1Y)	
Author: Debbie Chavez	Date: 29 November, 2006
M. Hill	

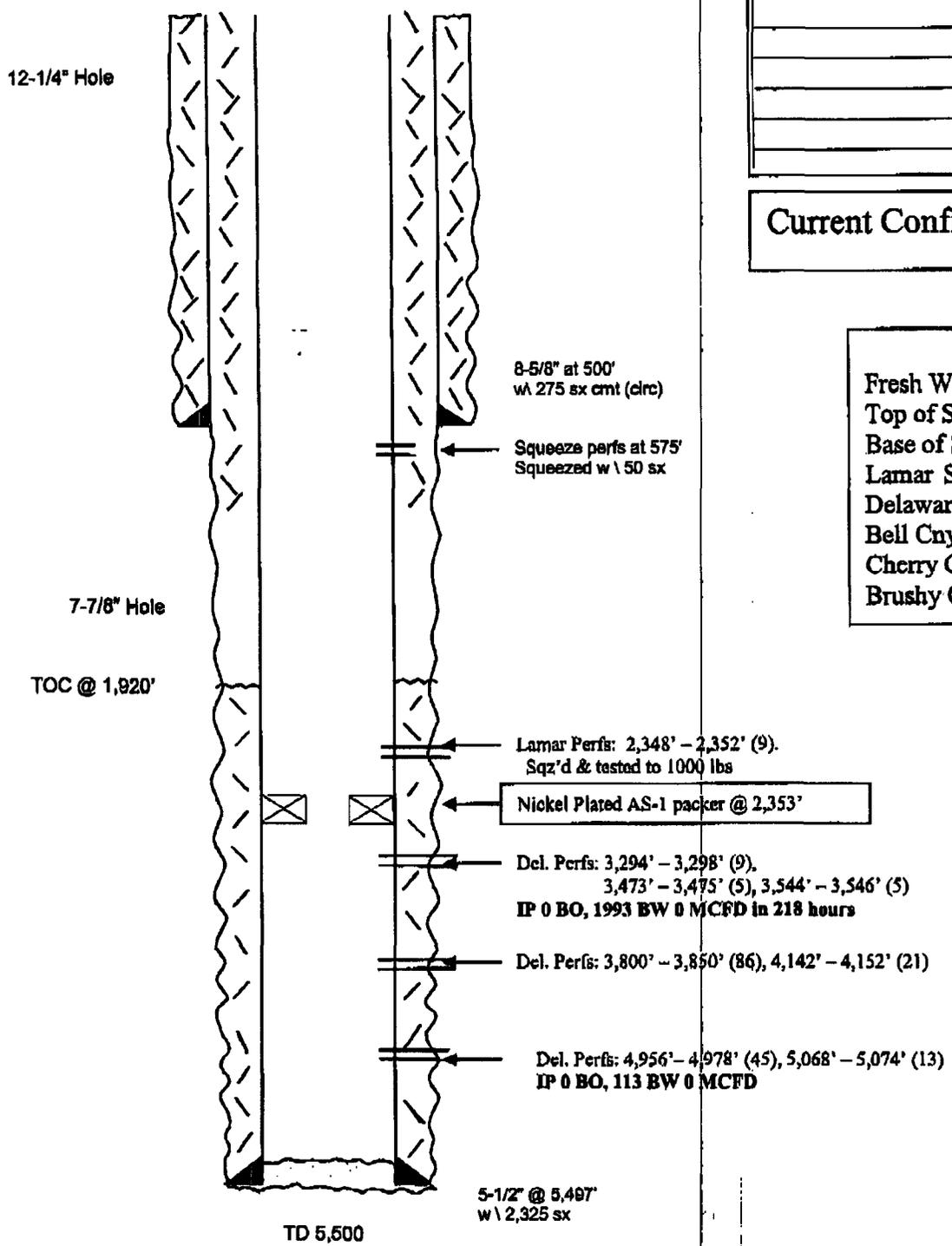
WELL NAME: Cordova SWD #1 FIELD: Wildcat
 LOCATION: Unit letter E, 2,005' FNL & 660' FWL Sec 25-24S-27E Eddy County
 GL: 3,143.8' ZERO: _____ KB: _____
 SPUD DATE: 04/13/81 COMPLETION DATE: 07/03/81
 COMMENTS: API No. 30-015-23751
(Formerly Amoco's State IS #1v)

CASING PROGRAM

8 5/8" 24 # K-55, ST&C	500'
2 3/8" 4.70# 1ft., N-80, EUE	10790'

Current Configuration

Tops:	
Fresh Water	300'
Top of Salt	584'
Base of Salt	2,320'
Lamar Shale	2,376'
Delaware	2,430'
Bell Cny	2,452'
Cherry Cny	3,196'
Brushy Cny	4,412'



Not to Scale
 11/29/06
 DC/M.H.H

Cordova SWD No. 1
 Unit Letter E, 2,005' FNL & 660' FWL
 Section 25-24S-27E

Pressure Data on Acid treatments pumped on Delaware Perforations.

Perforations	Fluid Type	Fluid Volume Pumped Gallons	Break Down Pressure PSI	Average Rate BPM	Average Pressure PSI	Instantiations Shut in Pressure PSI	15 min. Shut in Pressure PSI
4,956' - 5,074'	7-1/2% HCL	2500	750	6	1600	760	541
3800' - 4,152'	7-1/2% HCL	2500	650	6	1200	660	630
3,473' - 3,546'	7-1/2% HCL	1500	2200	6	1900	756	731
3,294' - 3,298'	7-1/2% HCL	1000	1498	6	1600	843	807
3,294' - 5,074'	7-1/2% HCL	1000	660	6	1560	738	703

Stage No.

PETROPLEX ACIDIZING, INC.

SERVICE REPORT

STATION Livingston SERVICE RECEIPT NO. 46730 DATE 9-13-06
 COMPANY Yates STATE WV COUNTY Eddy
 LEASE Cardova SWD WELL NO. 1 POOL
 COMPANY REPRESENTATIVE Curtis Tale SERVICE ENGINEER David Ducroz

Casing O.D. 5.5 Wt. 141 Depth _____ Cement _____
 Liner O.D. _____ Wt. _____ From _____ To _____
 Tubing Size 2 7/8 Depth 21867 Perf. - Open kind _____
 Hyd. Hold Down: Make _____ Depth _____
 Upper Packer: Make _____ Depth _____
 Lower Packer: Make _____ Depth _____
 No. Shots _____ From _____ To _____
 Casing Perforations _____
 Open Hole: Size _____ From _____ To _____
 Open Hole: Size _____ From _____ To _____
 Type Fluid in Tbg. _____ In Csg. _____
 Other Information _____

Date Drilled _____ Formation _____
 Pay Section From _____ To _____
 Present Total Depth _____ P. B. From _____
7.50 Gals. 7.5% NEEK DRAX Type _____
 Gals. _____ Type _____
 Lbs. _____ Material _____
 Lbs. _____ Material _____
 Other Material Ball Seals #
 Pumps used on Tbg. P-300
 Pumps used on Csg. _____
 Tbg. _____ Bbls. Csg. _____ Bbls. Open Hole _____ Bbls.
 Vol. of Pay Zone _____ Bbls. Vol. to Spot _____ Bbls.
 Vol. to Flush _____ Bbls. Over Flush _____ Bbls.

TIME A.M.-P.M.	PRESSURES		BARRELS OF FLUID PUMPED			REMARKS
	Casing	Tubing	In Formation	Per Reading	Per Minute	
7:00						
8:08		1179		1.1	0.8	Test lines
8:33		1134		2.2	1.1	on water on tubing
8:37		930		3	1.5	on acid
8:39		1895		3.1	6.0	on balls
8:44		1634		30.2	5.7	Acid on
8:45		1562		35.2	5.7	balls on
8:46		1547		42.3	5.7	PST check
8:49		1522		5.9	5.6	on water
8:50		1476		64.4	5.4	PST check
8:51		3427		72.6	5.4	PST check
8:52		4035		78.5	5.7	PST check
8:53		6020		80.7	0	on Ballout
8:56		1602		85	5.6	on water
8:57		1327		80.2	5.8	PST check
8:58		780		92.8	0	shut down
9:03		603		92.8	0	
9:08		586		92.8	0	10
9:13		574		92.8	0	15
10:23		740		7	4.8	on water on tubing
10:26		650		1.2	2.0	on acid
10:28		1343		5.6	6.0	on balls
10:29		1294		15.1	5.8	PST check
10:31		1304		23.2	6.0	Acid on
10:32		1287		28.2	5.8	balls on
10:33		1250		36.4	5.5	PST check

Tested Connections
 Tbg. _____ Csg. _____
 On location. Safety is a state-mandated
 Test lines
 on water on tubing (1st stage)
 on acid
 on balls
 Acid on
 balls on
 PST check
 on water
 PST check
 PST check
 on water
 PST check
 on water
 PST check
 shut down I.S.P. = 760
 5 = 603
 10 = 586
 15 = 574
 Avg. PST = 760
 Avg. Rate = 5.7
 Total acid = 9.28
 (2nd stage)
 on water on tubing
 on acid
 on balls
 PST check
 Acid on
 balls on
 PST check
 Instant Shut Down Pressure _____
 Pressures _____ Minutes After ISDP _____
 Maximum Pressures and Avg. Injection Rate _____
 Minimum Pressures _____
 Total Load: Acid _____ Bbls. Oil - Water _____ Bbls.

①

PETROPLEX ACIDIZING, INC.

SERVICE REPORT

STATION Leuciphon SERVICE RECEIPT NO. 46230 DATE 9-13-06
 COMPANY Yates STATE NM COUNTY ddy
 LEASE Curtis Sw D WELL NO. _____ POOL _____
 COMPANY REPRESENTATIVE Curtis Tole SERVICE ENGINEER Dave Warner

Casing O.D.	WT.	Depth	Comment
Liner O.D.	WT.	From	To
Tubing Size	Depth	Perf. -	Open End
Hyd. Hold Down: Make	Depth		
Upper Packer: Make	Depth		
Lower Packer: Make	Depth		
	No. Shots	From	To
Casing Perforations			
Open Hole: Size	From	To	
Open Hole: Size	From	To	
Type Fluid in Tbg		In Csg	
Other Information			

Date Drilled	Formation		
Pay Section From	To		
Present Total Depth	P. S. From		
Gals.	Type		
Gals.	Type		
Lbs.	Material		
Lbs.	Material		
Other Material			
Pumps used on Tbg.			
Pumps used on Csg.			
Tbg.	Bbls. Csg.	Bbls. Open Hole	Bbls.
Vol. of Pay Zone	Bbls. Vol. to Spot	Bbls.	
Vol. to Flush	Bbls. Over Flush	Bbls.	

TIME A.M./P.M.	PRESSURES		BARRELS OF FLUID PUMPED			REMARKS	Texted Connections	
	Casing	Tubing	In Formation	Per Reading	Per Minute		Tbg.	Csg.
10:31	-	1246	-	42.4	5.8	PT check		
10:32	-	1222	-	59	5.8	on water		Ave PT - 1200
10:38	-	1222	-	68	5.8	PT check		Ave Rate - 5.8
10:39	-	1266	-	77.1	5.9	PT check		Total Load - 91.2
10:40	-	1266	-	76.6	5.9	All Balls on		
10:47	-	1282	-	91.2	0	Shut down		T.S.P. 660
10:48	-	653	-	91.2	0	5 min		5 min - 653
12:11	182		-	14	4.22	Force 25 bbls		2nd stage
12:23	0		-	37	0	Shutdown		
12:47	0	8	-	4	2.2	on acid on tubing		
12:49	-	2210	-	85.1	1.2	on balls		
12:51	-	2886	-	2.3	5.4	PT check		
12:52	-	2607	-	20.7	5.8	Acid on		
12:53	-	2556	-	25.2	5.8	Balls on		
12:54	-	1938	-	32.2	6.0	PT check		
12:55	-	1999	-	51.6	6.0	on water		
12:58	-	5890	-	48.3	0	Ball out		
1:01	-	4827	-	51.9	5.8	on water		Ave PT - 1910
1:02	-	1633	-	62.2	5.7	PT check		Ave Rate - 5.8
1:04	-	1518	-	62.6	5.7	PT check		Total Load - 78.9
1:05	-	220	-	78.7	0	Shut down		T.S.P. - 756
1:06	-	231	-	78.7	0	5 min		5 min - 731
1:05	-	1407	-	1.0	1.9	on acid on tubing head		1st stage
1:07	-	1822	-	5.0	1.1	on balls		
1:08	-	1866	-	11.5	1.1	PT check		
1:09	-	2015	-	19.9	1.1	Acid on		

②

Instant Shut Down Pressure _____
 Pressures _____ Minutes After ISDF _____
 Maximum Pressures and Avg. Injection Rate _____
 Minimum Pressures _____
 Total Load: Acid _____ Bbls. Oil - Water _____ Bbls.

Stage No.

PETROPLEX ACIDIZING, INC.

SERVICE REPORT

STATION Louington SERVICE RECEIPT NO. 46230 DATE 9-13-06

COMPANY Tate's STATE WV COUNTY Eddy

LEASE Leedona (2611) WELL NO. 1 POOL

COMPANY REPRESENTATIVE Lactis Tate SERVICE ENGINEER David...

Casing O.D.	Wt.	Depth	Cement
Liner O.D.	Wt.	From	To
Tubing Size	Depth	Perf. - Open End	
Hyd. Hold Down: Make		Depth	
Upper Packer: Make		Depth	
Lower Packer: Make		Depth	
	No. Shots	From	To
Casing Perforations			
Open Hole: Size	From	To	
Open Hole: Size	From	To	
Type Fluid in Tbg.		In Csg.	
Other Information			

Date Drilled	Formation		
Pay Section From	To		
Present Total Depth	P. B. From		
Gals.	Type		
Gals.	Type		
Lbs.	Material		
Lbs.	Material		
Other Material			
Pumps used on Tbg.			
Pumps used on Csg.			
Tbg.	Bbls. Csg.	Bbls. Open Hole	Bbls.
Vol. of Pay Zone	Bbls.	Vol. to Spot	Bbls.
Vol. to Flush	Bbls.	Over Flush	Bbls.

TIME A.M./P.M.	PRESSURES		BARRELS OF FLUID PUMPED			REMARKS	Tested Connections	
	Casing	Tubing	In Formation	Per Rounding	Per Minute		Tbg.	Csg.
1:50	-	1689	-	24.9	6.0	Bullseye		
1:51	-	1644	-	29.1	6.1	PST check		
1:52	-	1472	-	36.7	5.6	annular		
1:52	-	1466	-	39.6	5.6	PST check		
1:54	-	1481	-	42.2	5.7	PST check		
1:54	-	1599	-	50.7	5.4	All Bullseye	Ann. PST = 16.00	
1:55	-	16.20	-	54.6	5.6	PST check	Ann. PST = 5.6	
1:56	-	1523	-	62.4	5.7	PST check	Tub. Load = 26.7	
1:58	-	1543	-	70.3	5.7	PST check		
2:00	-	842	-	76.7	0	Shut down	JSTP = 84.3	
2:05	-	807	-	76.7	0	5	5 min = 80.7	

(3)

Instant Shut Down Pressure _____
 Pressures _____ Minutes After ISDP _____
 Maximum Pressures and Avg. Injection Rate _____
 Minimum Pressures _____
 Total Load: Acid _____ Bbls. Oil - Water _____ Bbls.

Yates Petroleum Corporation

105 South Fourth Street, Artesia, New Mexico 88210

FAX

2006 NOV 29

PM 3 48
Date: 11/29/06

Number of Pages: 8

To: Will Jones

From: Mike Hill

Phone:

Phone: 505-748-4219

Fax: (505) 476-3462

Fax: 505-748-4585

Re: Cordova SWD #1 letter and pressure data.