DATE IN 9/5/01	[redacted]	ENGINEER DC	LOGGED IN KV	TYPE SWD	APP NO. 1248556l4

ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

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

SB

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

SEP - 5 2001

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.

DAVID I. PLAISANCE	[signature]	Production Manager	8/29/01
Print or Type Name	Signature	Title	Date

PLAISANCEJLD@AOL.COM
e-mail Address

124855614 SWD

PALADIN ENERGY CORP.

SEP -5 PM 1:37

August 29, 2001

State of New Mexico
Energy Minerals and Natural Resources Department
Oil Conservation Division
2040 South Pacheco
Santa Fe, New Mexico 87505

Re: Application For Authorization To Inject
Paladin Energy Corp.
State BTP #1
Bagley, North Field, Lea County
1980' FNL, 660' FWL
Sec 34, T1S, R33E

Dear Sir/Madam,

Paladin Energy Corp. is herewith submitting the above referenced application to convert the State 'BTP' #1 well to a salt water disposal well in the Bagley Permo Penn, North Formation. Paladin is in need of additional salt water disposal capacity in the Bagley & Bagley, North fields due to the successful re-completion of two of its Devonian producing wells, with high volume submersible pumps. The result of these workovers has been an increase in fieldwide oil and water production. Therefore, additional salt water disposal capacity will greatly improve our overall saltwater handling capabilities in the field and also facilitate further re-completions and increases in oil production.

Therefore for your consideration please find enclosed the following: a) Form C-103, to convert well to SWD, b.) Form C-108 and all necessary attachments and "proofs of notice" required for administrative approval.

If you have any questions or need further information, please call David Plaisance at 214-352-5245, Ext. 8. Thank you.

Sincerely,

David Plaisance
Production Manager

Cc Oil Conservation District
Hobbs Division

Cc State of New Mexico
Commissioner of Public Lands

10290 MONROE DRIVE, SUITE 301 - DALLAS, TEXAS 75229-5718
TELEPHONE: (214) 654-0132 FAX: (214) 654-0133

STATE OF NEW MEXICO
Energy, Minerals and Natural Resources Department

Submit 3 Copies to Appropriate District Office

Form C-103
Revised 1-1-89

OIL CONSERVATION DIVISION

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

2040 Pacheco St.
Santa Fe, NM 87505

DISTRICT II
P.O. Drawer DD, Artesia, NM 888210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL API NO.
30-025-01014

5. Indicate Type of Lease
STATE [x] FEE [ ]

6. State Oil & Gas Lease No.
24983

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

7. Lease Name or Unit Agreement Name
State BT "P"

1. Type of Well:
OIL [ ] GAS WELL [ ] OTHER SWD

2. Name of Operator: Paladin Energy Corp.

8. Well No.: 1

3. Address of Operator: 10290 Monroe Dr., Ste. Ste 301, Dallas, TX 75229

9. Pool name or Wildcat
Pbagley Permo Penn, North

4 Well Location

Unit Letter E : 1980 Feet From The North Line and 1980 Feet from The West Line

Section 34 Township 11-S Range 33-E NMPM Lea County

Elevation (Show whether DF,RKB, RT, GR, etc)
4272' DF

Check Appropriate Box to Indicate Nature of Notice, Report, Or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	[ ]	PLUG AND ABANDON	[ ]	REMEDIAL WORK	[ ]	ALTRG CSG	[ ]
TEMPORARILY ABANDON	[ ]	CHANGE PLANS	[ ]	COMMENCE DRLG OPNS.	[ ]	P&A	[ ]
PULL OR ALTER CASING	[ ]			CSG TST & CMT JOB	[ ]		
OTHER	Convert to Salt Water Disposal Well [X]			OTHER	[ ]		

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent date, including estimated date of starting any proposed work) SEE RULE 1103

After Permit Approval

Move on location, rig up. Pull Rods and Tubing. GIH w/ 4-1/2" bit and drill out 5-1/2" CIBP @ 9885', Push to bottom. GIH with 5-1/2" packer and work string and set packer at 9550' (+,-). Test casing to 500 psi, record test. Rig up Acid Truck and pump 5000 gallons of 15% HCL in present perfs and open hole section. Two Phases if necessary. (Existing Perforations: 9550-9876', Open hole: 9920-10,024'. POOH with packer and workstring.) Run 5-12" Weatherford Arrow Set, plastic coated Packer w/ 9450' of 3-1/2" 9.3#, N-80, plastic coated tubing. Set packer @ 9450' (+,-). Perform casing integrity test. Nipple up tree. Rig down & MOL.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE [signature] TITLE _____ DATE 8/29/01

TYPE OR PRINT NAME David Plaisance, Production Manager TELEPHONE NO. 214-654-0132

(This space for State Use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL
RESOURCES DEPARTMENT

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

FORM C-108
Revised 4-1-98

APPLICATION FOR AUTHORIZATION TO INJECT

I. PURPOSE: _____Secondary Recovery _____Pressure Maintenance __X__Disposal _____Storage
Application qualifies for administrative approval? _____Yes _____No

II. OPERATOR: Paladin Energy Corp.

ADDRESS: 10290 Monroe Dr., Ste. 301, Dallas, Texas 75229

CONTACT PARTY: David Plaisance PHONE: 214-654-0132

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

IV. Is this an expansion of an existing project? _____Yes __X__No
If yes, give the Division order number authorizing the project: _____

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

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

VII. Attach data on the proposed operation, including:

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

*VIII. Attach appropriate geologic data on the injection zone including appropriate lithologic detail, geologic name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/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: David Plaisance TITLE: Production Manager

SIGNATURE: _____ DATE: 8/29/01

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

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

Attachment A

III. A.

Side I

INJECTION WELL DATA SHEET

OPERATOR: PALADIN ENERGY CORP.

WELL NAME & NUMBER: NEW MEXICO STATE BTP #1 SWD

WELL LOCATION:	1980' FNL, 660' FWL	E	34	11-S	33-E
	FOOTAGE LOCATION	UNIT LETTER	SECTION	TOWNSHIP	RANGE

WELLBORE SCHEMATIC

WELL CONSTRUCTION DATA

Surface Casing

Hole Size: 17-1/2" Casing Size: 13-3/8"

Cemented with: 275 sx. *or* _____ ft³

Top of Cement: Surface Method Determined: Circ.

Intermediate Casing

Hole Size: 12-1/4" Casing Size: 9-5/8"

Cemented with: 1500 sx. *or* _____ ft³

Top of Cement: Surface Method Determined: Circ.

Production Casing

Hole Size: 8-3/4" Casing Size: 5-1/2"

Cemented with: 900 sx. *or* _____ ft³

Top of Cement: 7,330' Method Determined: Temperature Log

Total Depth: 9,920'

Injection Interval

9,550 feet to 10,024'

(9,550-9,876') Perforated (9,920-10,024) Open Hole

(Perforated or Open Hole; indicate which)

Attachment A
III. B.

Side 2

INJECTION WELL DATA SHEET

Tubing Size: 3-1/2", 9.3#, N-80 Lining Material: ICO 505 Plastic coating

Type of Packer: Weatherford Arrowset Packer (5-1/2" dia.) - Plastic coated

Packer Setting Depth: 9,450' (+,-)

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

Additional Data

1. Is this a new well drilled for injection? _____Yes __X__No

   If no, for what purpose was the well originally drilled? Production

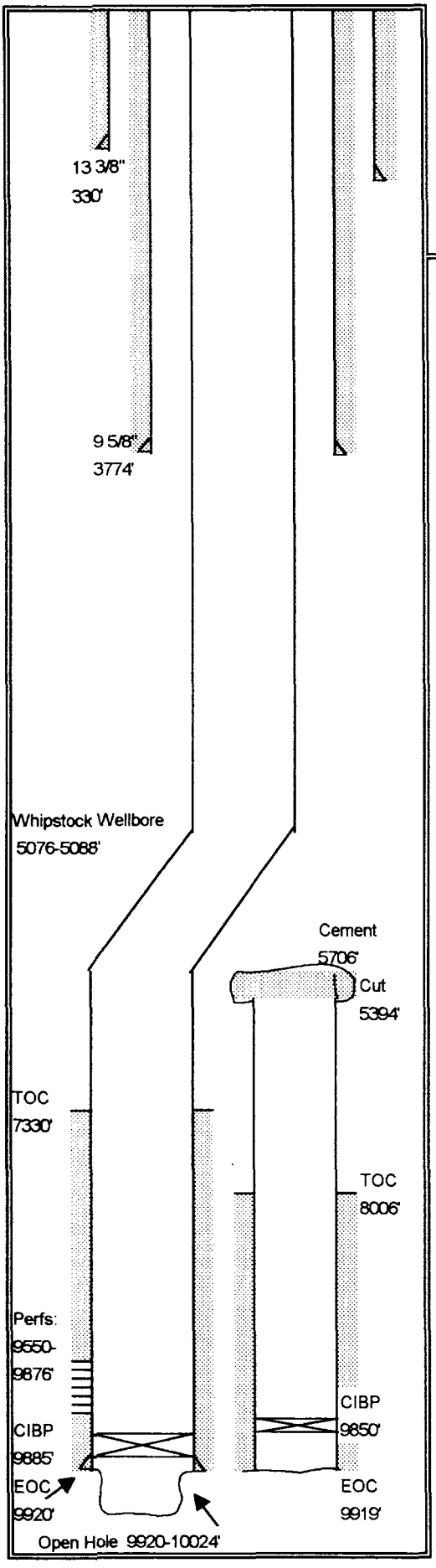
2. Name of the Injection Formation: Bagley Permo Penn, North

3. Name of Field or Pool (if applicable): Bagley, North

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. _____

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: Bagley Permo Penn, North
   9,120 - 9,350'

Attachment B **Current Wellbore Schematic**



Lease: State BTP **Well:** 1 API # 30-025-01014

Operator: PALADIN Energy Corp.

Field: North Bagley County: Lea State New Mexico

Section 34 Township 11-S Range 33-E

Elev . GL Elev. DF 4272' Elev. KB

Spudded Completed

Surface Casing	13-3/8"	48#	Grade	H-40
	Set @	330'	Hole Size	17-1/2"
	TOC	surf.	Sacks	275
Intermediate Casing	9-5/8"	36#	Grade	J-55
	Set @	3774'	Hole Size	
	TOC	Surface	Sacks	1,500
Production Casing	5-1/2"	23 & 29#	Grade	N-80
	Set @	3691-9920'	Hole Size	8-3/4"
	TOC	8006'	Sacks	
Liner Record			Grade	
	Top @		Bottom @	
	Screen		Hole Size	
	TOC		Sacks	
Tubing Detail			Grade/Trd.	
	Pkr. Set @		EOT	
	Nipples			
	Anchors		Rods	

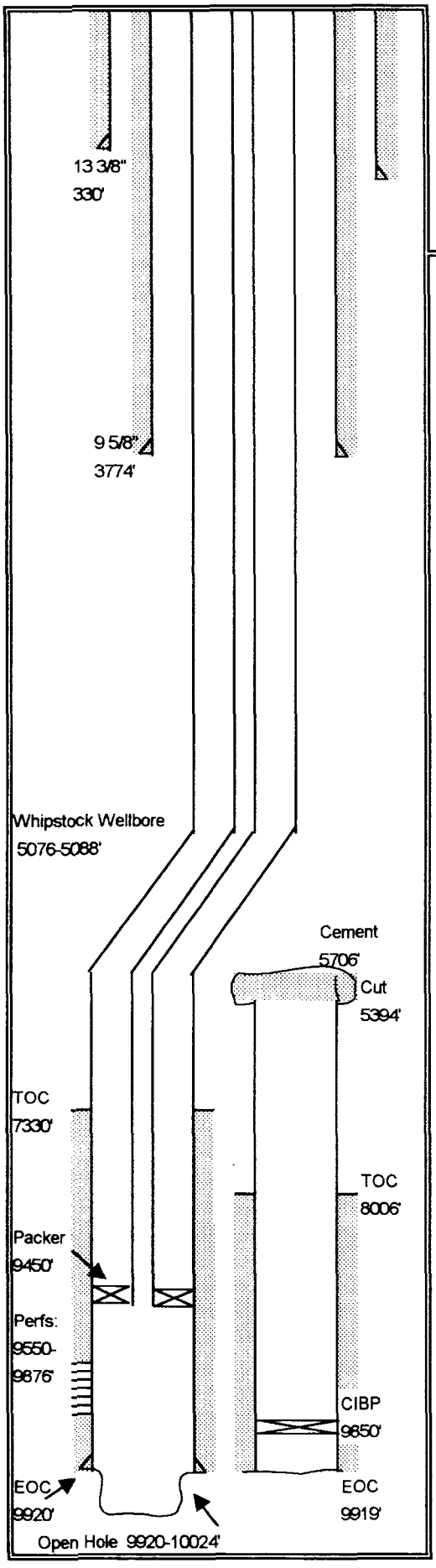
Perforation Record
Open Hole 9220-10024' 02/25/59
9551-78' 02/25/59
10/13/2000- 9550-70', 9674-82', 9822-36', 9852-76'

Treatment record
4-62- 3000 gal 15% HCL
10/13/2000- 3000 gal 15%HCL

* Well Presently on Rod Pump

Present Completion 7-25-01

Attachment C **Proposed Wellbore Schematic**



Lease: State BTP **Well:** 1 API # 30-025-01014

Field: North Bagley County: Lea State New Mexico

Section 34 Township 11-S Range 33-E

Elev . GL Elev. DF 4272' Elev. KB

Spudded Completed

Surface Casing	13-3/8"	48#	Grade	H-40
	Set @	330'	Hole Size	17-1/2"
	TOC	surf.	Sacks	275
Intermediate Casing	9-5/8"	36#	Grade	J-55
	Set @	3774'	Hole Size	
	TOC	Surface	Sacks	1,500
Production Casing	5-1/2"	23 & 29#	Grade	N-80
	Set @	3691-9920'	Hole Size	8-3/4"
	TOC	8006'	Sacks	
Liner Record			Grade	
	Top @		Bottom @	
	Screen		Hole Size	
	TOC		Sacks	
Tubing Detail	3-1/2", 9.3#, N-80		Grade/Trd.	Plastic Coated
	Pkr. Set @	9450'	EOT	9450'
	Nipples			
	Anchors		Rods	

Perforation Record

Open Hole 9220-10024' 02/25/59

9551-78' 02/25/59

10/13/2000- 9550-70', 9674-82', 9822-36', 9852-76'

Treatment record

4-62- 3000 gal 15% HCL

10/13/2000- 3000 gal 15%HCL

Proposed Completion 7-25-01

Attachment D
PALADIN ENERGY CORP.

V. Area of Review - 1/2 Mile Radius, 2 mile Radius
NM State BTP #1 SWD
North Bagley Field
Sec 34 T11S 33E
Lea County, New Mexico

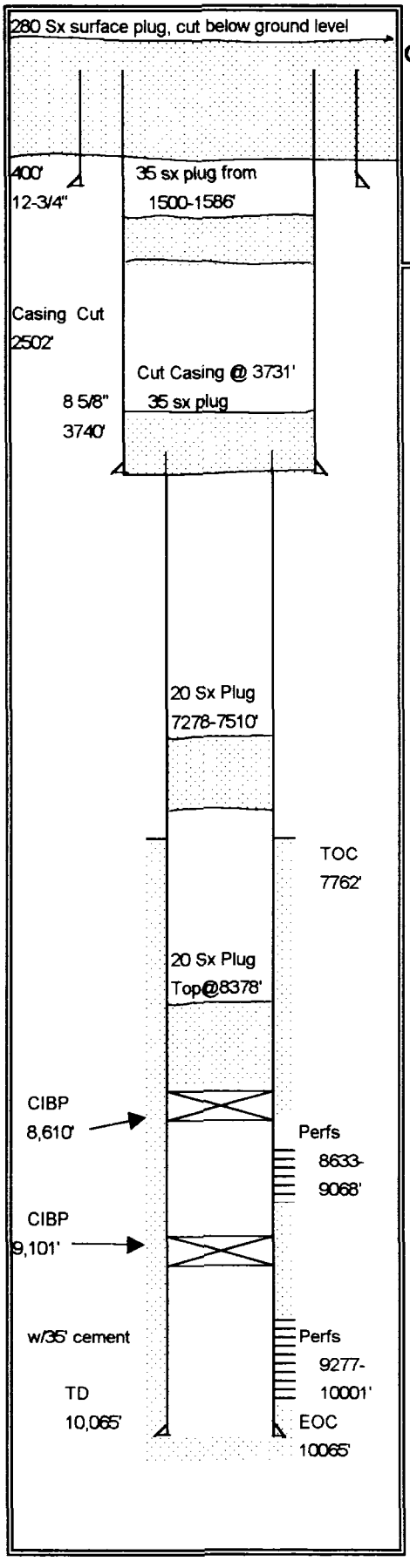
7/24/01

Attachment E
VI. Area of Review Well Data

Well Name	Operator	Location	Status Of Well	Spud Date	Comp. Date	TD PBTD	Comp. Interval	Prod Form.	TOC & Method	Casing Program
Warren American State #1	Belco Pet. N.A.	660 FSL, 510 FWL Sec 27, T11S, R33E	P&A'd	12/11/70	01/25/71	10,065'	9277-10,001'	Penn	6995' Calculated	8-5/8" SRF CSG @3740,CMT w/500 Sks. Circ., 4-1/2" PRD CSG @ 10,065', CMT w/400 SKS.
State A #1	Petrus OP. Co.	1874 FSL, 1874 FWL Sec 34, T11S, 33E	P&A'd	10/08/84	11/30/84	10,420'	9927-9965'	Penn.	5722' Calculated	8-5/8" SRF CSG @3863',CMT w/1800 Sks. Circ., 5-1/2" PRD CSG @ 10,435', CMT w/768 SKS.
Amerada State #2	John S. Goodrich	1830 FNL, 1980 FEL Sec 33, T11S, R33E	P&A'd	12/13/78	07/23/79	10,150'	9456-10,038'	Penn.	4989' Calculated	8-5/8" SRF CSG @3750',CMT w/1300 Sks. Circ., 5-1/2" PRD CSG @ 10,150', CMT w/1125 SKS.
Bagley State #1	Belco Pet. N.A.	660 FNL, 660 FWL Sec 34, T11S, R33E	P&A'd	05/16/68	09/13/68	10,068'	9822-9998'	Penn.	6551' Calculated	8-5/8" SRF CSG @3800',CMT, Circ., 5-1/2" PRD CSG @ 10,060', CMT w/575 SKS.
Hess State #1	Smith & Mars	1980 FSL, 660 FWL Sec 34, T11S, R33E	Prod	01/09/72	02/12/72	10,100'	9667-9994'	Penn.	7806' Calculated	8-5/8" SRF CSG @3760',CMT w/300 Circ., 5-1/2" PRD CSG @ 10,100', CMT w/375 SKS.
Bagley State Com #1	Saga Pet. Co.	1980 FNL, 1980 FWL Sec 34, T11S, R33E	Shut-in	07/03/72	08/04/72	10,021'	9646-9747'	Penn.	7269' Calculated	8-5/8" SRF CSG @3785',CMT w/375 Circ., 5-1/2" PRD CSG @ 10,021', CMT w/450 SKS.
State BTM #2	Paladin Energy Corp.	1980 FNL, 660 FEL Sec 34, T11S, R33E	Prod	06/06/58	08/15/58	9920'	8626-9896'	Penn.	5791' Calculated	9-5/8" SRF CSG @3774',CMT w/1500 Circ., 5-1/2" PRD CSG @ 9919', CMT w/900 SKS.
State 34 #1	Asher Enterprises LTD	1980 FNL, 1980 FEL Sec 34, T11S, R33E	Prod	02/11/73	04/15/73	10,050'	9380-9632'	Penn	7756' Calculated	8-5/8" SRF CSG @3737',CMT w/300 Circ., 5-1/2" PRD CSG @ 10050', CMT w/375 SKS.

Attachment E1

PRESENT WELLBORE SCHEMATIC



Lease: Warren Amer. State **Well:** 1 API # 30-025-236570

Operator: Belco Development Corp.

Field:	Bagley	County:	Lea	State	New Mexico
Section	27	Township	11-S	Range	33-E
Elev . GL	4260	Elev. DF		Elev. KB	
Spudded	12/11/70	Completed	01/25/71		

Surface Casing	12-3/4"			Grade	
	Set @	400'		Hole Size	17 1/2"
	TOC	Sur.		Sacks	375
Intermediate Casing	8 5/8" OD		32#/Ft.	Grade	
	Set @	3740'		Hole Size	11"
	TOC	7762		Sacks	500
	(Calculated)				
Production Casing	41/2" OD		17#/Ft.	Grade	
	Set @	10065'		Hole Size	6-3/4"
	TOC			Sacks	400
	Calculated				
Liner Record	" OD		#/Ft.	Grade	
	Top @			Bottom @	
	Screen			Hole Size	
	TOC			Sacks	
Tubing Detail				Grade/Trd.	
	TAC Set @			EOT	
	Nipples				
	Anchors			Rods	

Perforation Record: 9998-10001', 9931-50', 9388-462', 9277-326'

8633-43', 9061-68'

Well P & A'd 4-27-76

P&A Record

20 sx plug 8610-8378'

20 sx plug 7278-7510'

35 Sx plug 3656-3770'

35 Sx plug 1500-1586'

280 sx plug from 400' to surface

cut casings belwo ground level

Comments:

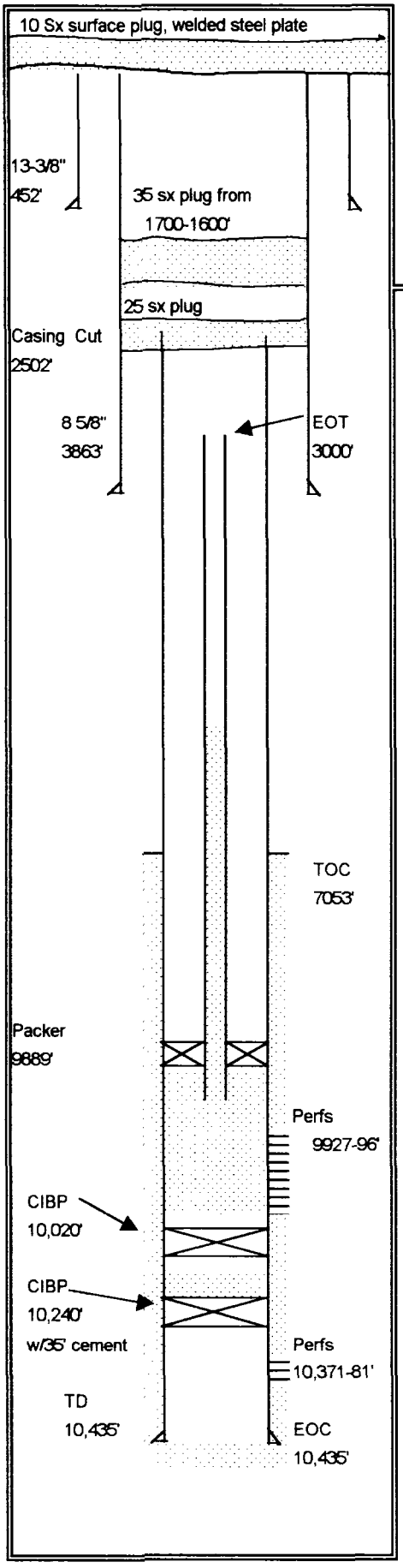
Date: _____

PRESENT
COMPLETION

Prepared By: _____

Attachment E2

PRESENT WELLBORE SCHEMATIC



Lease: State A **Well:** 1 API # _____

Operator: Petrus Energy

Field: Bagley County: Lea State New Mexico

Section 34 Township 11-S Range 33-E

Elev . GL 4277' Elev. DF _____ Elev. KB _____

Spudded _____ Completed _____

Surface Casing	13-3/8"	54.5	Grade	
	Set @	452'	Hole Size	17 1/2"
	TOC	Sur.	Sacks	450
Intermediate Casing	8 5/8" OD	32#/Ft.	Grade	
	Set @	3863'	Hole Size	11"
	TOC	Sur	Sacks	1,800
Production Casing	5 1/2" OD	17#/Ft.	Grade	
	Set @	10,435'	Hole Size	7 7/8"
	TOC	7053' Calculated	Sacks	553
Liner Record	" OD	#/Ft.	Grade	
	Top @		Bottom @	
	Screen		Hole Size	
	TOC		Sacks	
Tubing Detail			Grade/Trd.	
	TAC Set @		EOT	
	Nipples			
	Anchors		Rods	

Perforation Record: 9992-96', 9960-75', 9927-65'

P&A Record

Well P & A'd 5-29-86

600 sxs cement into perforations and tubing

25 sx plug at 2502'

35 sx plug 1700-1600'

10 sx surface plug, welded plate on 13-3/8" casing

Comments:

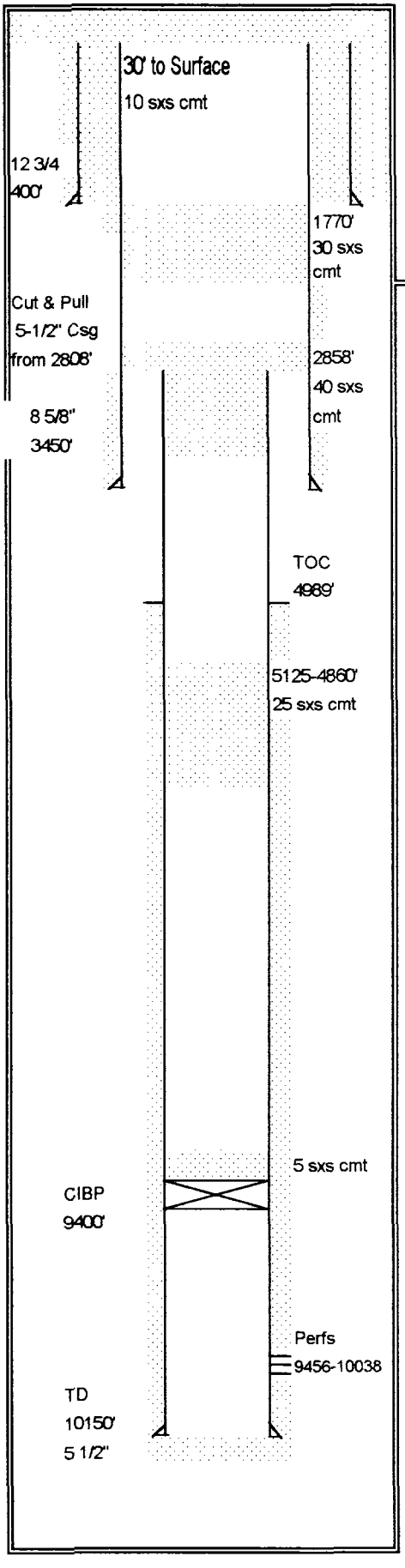
Date: _____

PRESENT COMPLETION

Prepared By: _____

Attachment E3

Present WELLBORE SCHEMATIC



Lease: Amerada State **Well:** 2 API # 30-025-26166

Operator: Goodrich John S.

Field:	Bagley North	County:	Lea	State	New Mexico
Section	33	Township	11-S	Range	33-E
Elev . GL	4267'	Elev. DF		Elev. KB	
Spudded	12/13/78	Completed	07/23/79		

Surface Casing	12 3/4" OD		Grade	
	Set @	400	Hole Size	17 1/2
	TOC	Sur.	Sacks	350
Intermediate Casing	8 5/8" OD	32#/Ft.	Grade	
	Set @	3750	Hole Size	11"
	TOC	Sur	Sacks	1,300
Production Casing	5 1/2" OD	17#/Ft.	Grade	
	Set @	10150	Hole Size	7 7/8"
	TOC	7053' Calculated	Sacks	1125
Liner Record	" OD	#/Ft.	Grade	
	Top @		Bottom @	
	Screen		Hole Size	
	TOC		Sacks	
Tubing Detail			Grade/Trd.	
	TAC Set @		EOT	
	Nipples			
	Anchors		Rods	

Perforation Record: 9456-9511, 9709-9719, 9867-9871, 10028-10038
Pennsylvania

P&A Record:
CIBP @ 9400', dump bailed 5 sxs, TOC 9347'
25 sxs 5125-4860'
30 sxs @ 1700'
10 sx surface plug 0-30'
cut off 3' BML., dry hole marker

Comments: Well P&A'd 9/20/93
Cut off Well Head 3' below ground and install dry hole marker 09/24/93

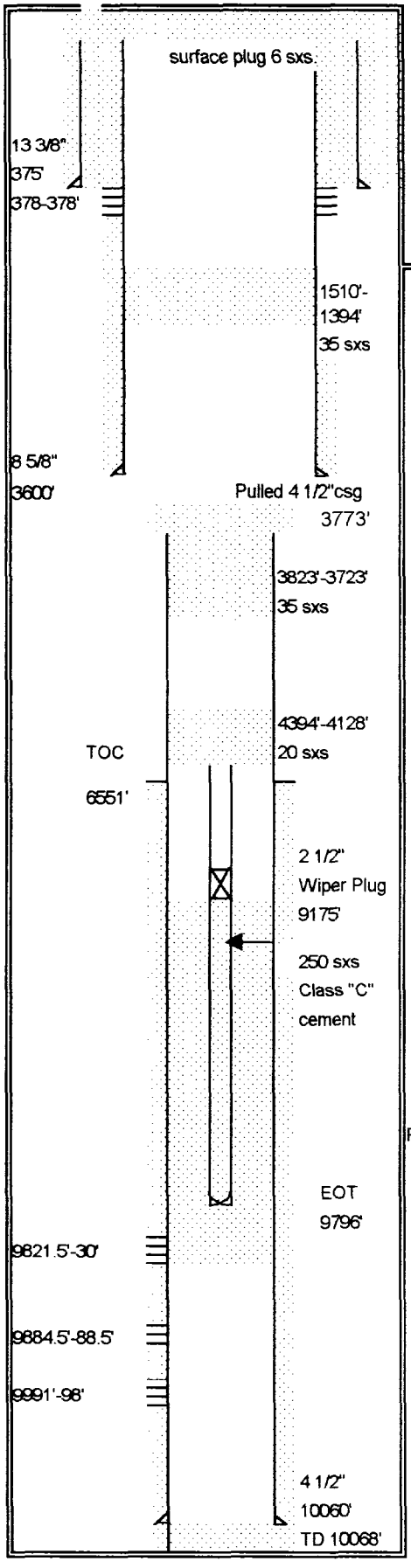
Date: _____

PRESENT COMPLETION

Prepared By: _____

Attachment E4

WELLBORE SCHEMATIC



PRESENT COMPLETION

Lease: Bagley-State **Well:** 1 API # 30-025-22575

Operator: Belco Petroleum North America

Field: Bagley County: Lea State New Mexico

Section 34 Township 11S Range 33E

Elev . GL 3793' Elev. DF _____ Elev. KB _____

Spudded 05/16/68 Completed 09/13/68

Surface Casing	13 3/8" OD		Grade	
	Set @	375'	Hole Size	17 1/2
	TOC		Sacks	300
Intermediate Casing	8 5/8" OD		Grade	
	Set @	3800'	Hole Size	11"
	TOC		Sacks	
Production Casing	4 1/2" OD		Grade	
	Set @	10060	Hole Size	6 7/8"
	TOC		Sacks	575
Liner Record	OD	#/Ft.	Grade	
	Top @		Bottom @	
	Screen		Hole Size	
	TOC		Sacks	
Tubing Detail	OD		Grade/Trd.	
	Pkr. Set @		EOT	
	Nipples			
	Anchors		Rods	

Perforation Record: 9822-9998 Pennsylvanian Lower

P&A Record

Casing collapsed, unable to pull tbg.

Perf'd 8 5/8" csg from 378-379', Circ 8 5/8" casing and annulus w/270 sxs cmt. Circulated 6 sxs cmt to surface.

Cut csg off below ground level, installed well marker. P&A 12-15-83

20 sxs plug - 4394-4128'

35 sxs plug - 3823-3723'

35 sxs plug - 1510-1394'

surface plug 6sxs

Well P&A'd 12/15/83

Date: _____

Prepared By: _____

Applciation For Authorization to Inject
Cont...

VII. Proposed Operations

1.) Proposed Maximum Daily Injection Rate: Maximum – 10,000 BWPD
Proposed AverageDaily Injection Rate: Average - 7,500 BWPD
2.) Injection System: Closed System
3.) Proposed Maximum Injection Pressure: Maximum – 1000 psi
Proposed Average Injection Pressure: Less than 500 psi, (expect to be on vacuum)
4.) Sources of injection water will be produced water from Bagley & Bagley North Devonian, Permo Penn and Wolfcamp formation wells (see list of source wells, Attachment F). A water analysis from Bagley Devonian and Permo Penn wells is included (see Attachment G1 & G2).
5.) Chlorides in all of the source wells are expected to be similar to the water analysis in Attachments G1 and G2.

VIII. Injection Zone

The Bagley Permo Penn, North in the State BTP #1 well has an overall thickness of about 1000'. In this disposal well, the top of the formation is approximately 9000'. We intend to dispose of produced water in the middle Bagley Permo Penn, North and lower (Strawn) sections, through perforations and open hole intervals from 9,550 to 10,024'.

1.) Bagley Permo Penn, North
2.) Dolomite
3.) Thickness: 476' (+,-)
4.) Depth: 9,550' – 10,024'
5.) Aquifers - 300' (+,-)

IX. Stimulation

1.) Acidize w 5000 gallons of 15% NE HCL acid (+,-)

XI. There are no producing fresh water wells within one mile of the proposed State BTP #1 SWD well.

XII. Paladin Energy Corp. has examined the available geologic and engineering information for the area of interest and have found no evidence of open faults or any other hydrologic connection between the disposal zone and any underground source of drinking water.

signature	Production Manger	8/29/01
	title	date

Paladin Energy Corp.

Attachment F

State BTP #1 SWD
1980' FNL, 660' FWL
Section 34, T11S, R33E
Lea County, New Mexico

VII. Item 4.

List of Produced Water Source Wells:

Well Name	Field	County	State	Location
J T Caudle Gas Com 2	Bagley	Lea	NM	NW/4 NW/4 Sec 3-T12S-R33E
State BT "C" 5	Bagley	Lea	NM	NE/4 SW/4 Sec 35-T11S-R33E
State BT "D" 2	Bagley	Lea	NM	NW/4 SE/4 Sec 35-T11S-R33E
State BT "D" Com A 1	Bagley	Lea	NM	SW/4 SE/4 Sec 35-T11S-R33E
State BT "D" 3	Bagley	Lea	NM	SE/4 SE/4 Sec 35-T11S-R33E
State BT "I" 1	Bagley	Lea	NM	NW/4 NW/4 Sec 2-T12S-R33E
W E Mathers "A" 1	Bagley	Lea	NM	NW/ 4NE/4 Sec 3-T12S-R33E
W E Mathers "A" 2	Bagley	Lea	NM	SE/4 NW/4 Sec 3-T12S-R33E
State BT "A" 3	Bagley	Lea	NM	SW/4 NE/4 Sec 2-T12S-R33E
State BT "N" 1	Bagley	Lea	NM	SE/4 SE/4 Sec 34-T11S-R33E
State BT "C" 3	Bagley	Lea	NM	NW/4 SW/4 Sec 35-T11S-R33E
State BT "A" 1	Bagley	Lea	NM	NW/4 SE/4 Sec 2-T12S-R33E
Bagley SWD #4	Bagley	Lea	NM	SE/4 SW/4 Sec 35-T11S-R33E
Mathers State Com 1	Bagley North	Lea	NM	NW/4 NW/4 Sec 33-T11S-R33E
State BT "M" 2	Bagley North	Lea	NM	SE/4 NE/4 Sec 33-T11S-R33E
State BT "R" 1	Bagley North	Lea	NM	NW/4 NW/4 Sec 10-T12S-R33E
W E Mathers 2	Bagley North	Lea	NM	SE/4 SE/4 Sec 3-T12S-R33E
W E Mathers B 1	Bagley North	Lea	NM	SE/4 NW/4 Sec 33-T11S-R33E

And subsequent wells to be drilled or recompleted in Sections 35, 34, 33, T11S, R33E - also, Sections 2, 3, 9, 10, T12S, R33E.

ATTACHMENT G1

Martin Water Laboratories, Inc.

P. O. BOX 1468
MONAHANS, TEXAS 79756
PH. 943-3234 OR 563-1040

709 W. INDIANA
MIDLAND, TEXAS 79701
PHONE 683-4521

RESULT OF WATER ANALYSES

TO: Mr. Mickey Horn
4006 Dunkirk, Midland, Texas 79707

LABORATORY NO. 701-242
SAMPLE RECEIVED 7/30/01
RESULTS REPORTED 8/7/01

COMPANY Paladin Energy Corporation LEASE As listed
FIELD OR POOL Bagley
SECTION ____ BLOCK ____ SURVEY T-11&12S&R-33E COUNTY Lea STATE NM
SOURCE OF SAMPLE AND DATE TAKEN:

NO. 1 Produced water - taken from Caudle #2. 7/30/01 Pennsylvanian Formation
NO. 2 Produced water - taken from Mathers "A" #1. 7/30/01 Pennsylvanian Foramation
NO. 3 Produced water - taken from Hess State #1. 7/30/01 Pennsylvanian Formation
NO. 4 Produced water - taken from State "C" #1. 7/30/01 Pennsylvanian Fomation

REMARKS: Penn.

CHEMICAL AND PHYSICAL PROPERTIES

	NO. 1	NO. 2	NO. 3	NO. 4
Specific Gravity at 60° F.	1.0487	1.1610	1.0062	1.0581
pH When Sampled				
pH When Received	6.10	6.22	6.29	6.29
Bicarbonate as HCO_3	451	159	171	268
Supersaturation as $CaCO_3$	20	20	20	30
Undersaturation as $CaCO_3$	--	--	--	--
Total Hardness as $CaCO_3$	11,400	23,000	1,750	16,000
Calcium as Ca	3,280	3,000	480	4,880
Magnesium as Mg	778	3,767	134	923
Sodium and/or Potassium	24,179	99,856	2,443	24,714
Sulfate as SO_4	504	5,472	108	413
Chloride as Cl	44,730	166,140	4,828	48,990
Iron as Fe	64.5	109	161	7.7
Barium as Ba			0	
Turbidity, Electric				
Color as Pt				
Total Solids, Calculated	73,922	278,394	8,163	80,188
Temperature °F.				
Carbon Dioxide, Calculated				
Dissolved Oxygen,				
Hydrogen Sulfide	0.0	9.0	0.0	0.0
Resistivity, ohms/m at 77° F.	0.118	0.048	0.690	0.111
Suspended Oil				
Filtrable Solids as mg/l				
Volume Filtered, ml				
Calcium Carbonate Scaling Tendency	None	None	None	None
Calcium Sulfate Scaling Tendency	None	Severe	None	None

Results Reported As Milligrams Per Liter

Additional Determinations And Remarks

Form No. 3

By ____

ATTACHMENT G2

Martin Water Laboratories, Inc.

P. O. BOX 1468
MONAHANS, TEXAS 79756
PH. 943-3234 OR 563-1040

709 W. INDIANA
MIDLAND, TEXAS 79701
PHONE 683-4521

RESULT OF WATER ANALYSES

TO: Mr. Mickey Horn
4006 Dunkirk, Midland, Texas 79707

LABORATORY NO. 701-242 (page 2)
SAMPLE RECEIVED 7/30/01
RESULTS REPORTED 8/7/01

COMPANY Paladin Energy Corporation LEASE As listed
FIELD OR POOL Bagley
SECTION ____ BLOCK ____ SURVEY T-11&12S&R-33E COUNTY Lea STATE NM
SOURCE OF SAMPLE AND DATE TAKEN:

NO. 1 Produced water - taken from State #34-1. 7/30/01 Pennslyvanian Formation
NO. 2 Produced water - taken from State BTI #1. 7/30/01 Devonian Formation
NO. 3
NO. 4

REMARKS: 1. Penn. 2. Devonian

CHEMICAL AND PHYSICAL PROPERTIES	NO. 1	NO. 2	NO. 3	NO. 4
Specific Gravity at 60° F.	1.0624	1.0330		
pH When Sampled				
pH When Received	6.15	6.68		
Bicarbonate as HCO_3	281	598		
Supersaturation as $CaCO_3$	20	10		
Undersaturation as $CaCO_3$	--	--		
Total Hardness as $CaCO_3$	17,600	7,600		
Calcium as Ca	5,040	1,680		
Magnesium as Mg	1,215	826		
Sodium and/or Potassium	28,047	14,318		
Sulfate as SO_4	245	2,112		
Chloride as Cl	55,380	25,560		
Iron as Fe	6.4	1.7		
Barium as Ba	0			
Turbidity, Electric				
Color as Pt				
Total Solids, Calculated	90,207	45,094		
Temperature °F.				
Carbon Dioxide, Calculated				
Dissolved Oxygen,				
Hydrogen Sulfide	0.0	13.0		
Resistivity, ohms/m at 77° F.	0.118	0.179		
Suspended Oil				
Filtrable Solids as mg/l				
Volume Filtered, ml				
Calcium Carbonate Scaling Tendency	None	None		
Calcium Sulfate Scaling Tendency	None	None		

Results Reported As Milligrams Per Liter

Additional Determinations And Remarks First, we need to mention that the water from Mathers"A" #1 herein does not correlate with what we would expect from a natural Penn. in Lea county. In regard to compatibility between these Penn. waters and the Devonian water, the only condition we find is that the Penn. waters contain some soluble iron whereas the Devonian water contains hydrogen sulfide. Therefore, these waters would be classified as being incompatible as far as mixing on the surface and re-injecting the water. If your intent is to commingle the waters downhole, since we suspect that the presence of iron is the result of corrosion in the well, there is a possibility that the Penn. and Devonian waters could be commingled downhole. However, as previously stated, we would not suggest mixing the Penn. waters and Devonian waters on the surface for re-injection.

Form No. 3

By _____
Waylan C. Martin, M.A.

Attachment H

Affidavit of Publication

STATE OF NEW MEXICO)
) ss.
COUNTY OF LEA)

Joyce Clemens being first duly sworn on oath deposes and says that she is Advertising Director of THE LOVINGTON DAILY LEADER, a daily newspaper of general paid circulation published in the English language at Lovington, Lea County, New Mexico; that said newspaper has been so published in such county continuously and uninterruptedly for a period in excess of Twenty-six (26) consecutive weeks next prior to the first publication of the notice hereto attached as hereinafter shown; and that said newspaper is in all things duly qualified to publish legal notices within the meaning of Chapter 167 of the 1937 Session Laws of the State of New Mexico.

That the notice which is hereto attached, entitled

Legal Notice

was published in a regular and entire issue of THE LOVINGTON DAILY LEADER and not in any supplement thereof, for one (1) day, beginning with the issue of July 25, 2001 and ending with the issue of July 25, 2001.

And that the cost of publishing said notice is the sum of $ 16.81 which sum has been (Paid) as Court Costs.

Joyce Clemens

Subscribed and sworn to before me this 16th day of August 2001.

Debbie Schilling

Debbie Schilling
Notary Public, Lea County, New Mexico
My Commission Expires June 22, 2002

LEGAL NOTICE

Paladin Energy Corp. proposes to convert the State BTP #1 located 1980' FNL and 660' FWL of Unit E Section 34, T11S, R33E, N.M.P.M., Lea County, New Mexico to a saltwater disposal well. Paladin will dispose of saltwater into the Bagley Permo Penn, North formation from a depth of 9550'-9876' at a maximum rate of 10,000 BPD and at a maximum pressure of 1000 psi. Questions pertaining to this application should be directed to Mr. David Plaisance, Manager, Drilling and Production for Paladin, 10290 Monroe Drive, Suite 301, Dallas, Texas 75229; phone number (214) 654-0132, Ext. 8. Interested parties should file objections or requests for hearing with the Oil Conservation Dvision, P.O. Box 2088, Santa Fe, New Mexico 87501, within fifteen (15) days.

Published in the Lovington Daily Leader July 25, 2001.

Paladin Energy Corp.
State BTP #1 SWD
1980' FNL, 660' FWL
Section 34, T11S, R33E
Lea County, New Mexico

Attachment I

XIII. Item A

List of Surface Owners within 1/2 Mile Radius of Subject Well:

Marcia Mathers Hilburn
P.O. Box 978
Tatum, NM 88267

List of Lease Operators within 1/2 Mile Radius of Subject Well:

Asher Enterprises Limited Co.
P.O. Box 423
Artesia, New Mexico 88211-0423

Smith Mars
P.O. Box 863
Kermit, Texas 79745

(Section 33 & 34, T11S, R33E)
State of New Mexico
(Permit submitted to Division of Conservation)

Attachment J
XIII. Certificate of Mailing

STATE OF TEXAS
COUNTY OF DALLAS

BEFORE ME, the undersigned authority on this day personally appeared David J. Plaisance, Production Manager with Paladin Energy Corp., who being by me duly sworn, deposes and state that the persons listed on the foregoing attached list have been sent a copy on August 29, 2001, of the New Mexico Oil Conservation Division form C-108 entitled, "Application For Authorization To Inject" for the State BTP #1 SWD well, located in Section 34, T11S, R33E, Lea County, New Mexico.

Paladin Energy Corp.

David J. Plaisance

SUBCRIBED AND SWORN TO before me on August 29, 2001, to certify which witness my hand and seal of office

NOTARY PUBLIC, STATE OF TEXAS