

DATE IN 6/5/06	SUSPENSE	ENGINEER DAVID CATANACH	LOGGED IN 6/7/06	TYPE PMX	APP NO. PTDS0615848431
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Renewed 7/9/06
6/23/06

ABOVE THIS LINE FOR DIVISION USE ONLY

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]

2006 JUN 5 PM 2 16

[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.

Eddie W. Seay

Print or Type Name

Eddie W. Seay
Signature

Agent

Title

seay04@leaco.net

e-mail Address

05/19/06

Date

Jones, William V., EMNRD

From: Jones, William V., EMNRD
Sent: Tuesday, June 20, 2006 10:06 AM
To: 'seay04@leaco.net'
Cc: Ezeanyim, Richard, EMNRD; Sanchez, Daniel J., EMNRD; Kautz, Paul, EMNRD
Subject: SWD Application: Reeves 26 Well No. 3 API: 30-025-03136 (Paladin Energy Corp)

Hello Eddie:

After reviewing this application, we have the following requests:

- 1) Repost a new newspaper notice, which specifies: the Wolfcamp proposed injection interval as 9846 to 10056 and the Devonian proposed injection interval as 11860 to 11960. *done 6/23/06* *(or per Eddie Seay)*
- 2) Send notice to Yates Petroleum Corporation as another leasee within the 1/2 mile radius. *done*
- 3) The only log available on our web site for this well is an old GR-N log. Please look in your files for any other electric logs including temperature surveys or cement bond logs and send them to Paul Kautz in Hobbs (With the API number written on the log)

Note to Paul:

I noticed that one log shown for this well, actually belongs to another well and should probably be moved electronically?

Thank You,

William V. Jones

Engineering Bureau

Oil Conservation Division

Santa Fe

6/20/2006

APPLICATION FOR AUTHORIZATION TO INJECT

- I. PURPOSE: Secondary Recovery Pressure Maintenance ☒ Disposal Storage
Application qualifies for administrative approval? ☒ Yes No
- II. OPERATOR: Paladin Energy Corp.
ADDRESS: 10290 Monroe Dr., Ste. 301 Dallas, TX 75229
CONTACT PARTY: David Plaisance PHONE: (214)654-0132
dplaisance@paladinenergy.com
- 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 ☒ 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: Eddie W. Seay seay04@leaco.net TITLE: Agent

SIGNATURE: Eddie W. Seay DATE: May 19, 2006

* 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: when drilled 1960

ATTACHMENT TO APPLICATION C-108

Reeves 26 #3
Unit O, Sect. 26, Tws. 18 S., Rng. 35 E.
Lea Co., NM

III. WELL DATA

- A.
 - 1) See injection well data sheets and attached schematics.
 - 2) See injection well data sheets and attached schematics.
 - 3) 3 1/2" plastic coated tubing.
 - 4) Baker tension packer.
- B.
 - 1) Injection formations are the Wolfcamp and Devonian.
 - 2) Injection interval 9846' to 11960'.
 - 3) Well was drilled as a producer, then P & A.
 - 4) The next higher producing zone is the Bone Springs at approximately 7000'.
The next lower producing zone is the silurian at approximately 12,100'.

IV. NO.

V. MAP ATTACHED.

VI. LIST OF WELLS AND DATA ATTACHED.

- VII.** Paladin proposes to re-enter the above listed well. Drill out all plugs, run 5 1/2" casing and tag onto stub, cement 5 1/2" casing. Run 3 1/2" line from 9700' to 12,004'. Perforate Wolfcamp and Devonian. Run 3 1/2" plastic coated tubing with 5 1/2" packer and set at approximately 9796'.

- 1) Plan to inject approximately 3000 bpd of produced water from Paladins own operation in offset production.
- 2) Closed system.
- 3) Average injection pressure should be approximately 800# to 1200# or whatever limit OCD allows.
- 4) Analysis attached, only produced water.
- 5) Water from offset production from McKee, Devonian and Silurian.

- VIII.** The proposed disposal formations are interbedded shale and limestone. The primary geologic names are the Wolfcamp found from 9900' to 10,100'.

The fresh water formation in the area is the Ogallala which ranges in thickness from 100' to 160'. Analysis of water wells attached.

IX. ACID AS NEEDED.

X. PREVIOUSLY SUBMITTED TO OCD.

XI. ATTACHED.

XII. I, Eddie W. Seay, have examined all available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zones and any underground source of drinking water pertaining to this well.

XIII. ATTACHED.

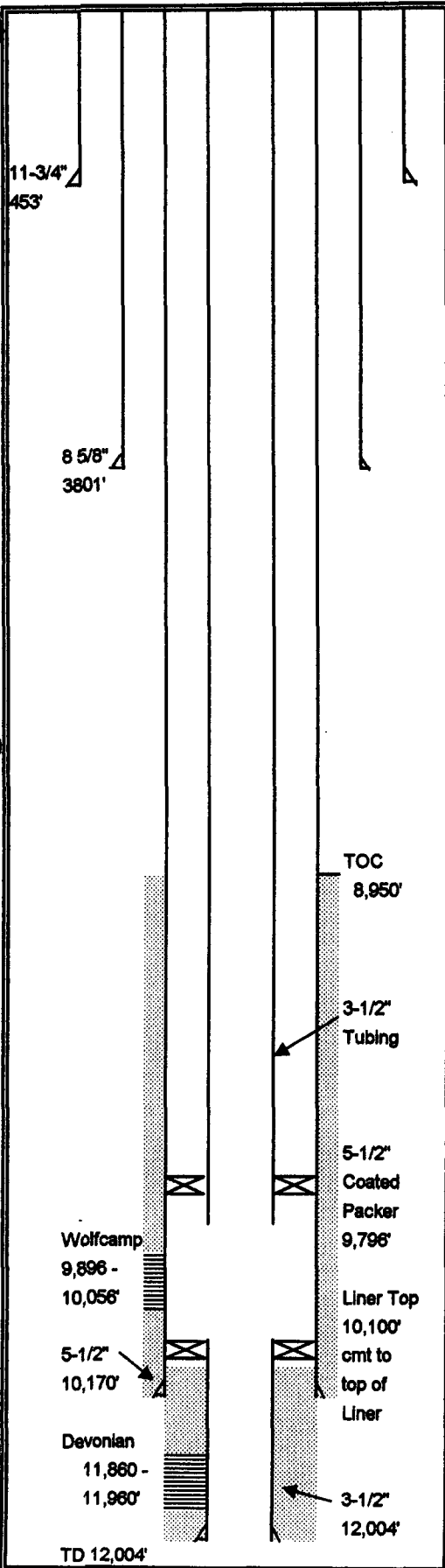
WELLBORE SCHEMATIC AND HISTORY

Current

COMPLETION SCHEMATIC		P&A	APINUM: 30-025-03136			
FORM	DEPTH		OPERATOR: PALADIN ENERGY CORP			
			LEASENAME: REEVES 26			WELL NO. 3
			LOCATION:	UL: O	SEC: 26	TWN: 18S
			660 FSL			RNG: 35E
			1980 FEL			
			TD 12004	PBD	KB	DF
			GL			
			POOL			PERFS
			DRY & ABANDONED			
			TEST (SHOW DATE)			
			OIL	GAS	WATER	
			OIL	GAS	WATER	
Rustler	1789					
Yates	3299		25 sx Plug 3770-3840			
			8 5/8 @ 3801			
San Andres	4990		25 sx Plug 4840-4910			
			Casing Record			
			SIZE	DEPTH	CMT	HOLE SIZE
			11 3/4	453	475 sx	15
			8 5/8	3801	1469 sx	11
			5 1/2	10170	115 sx	7 7/8
						8950
Delaware	5740		25 sx Plug 5690-5760			
			Dec-59 Completed Dry Hole			
Bone Spring	7000		Feb-62 P&A			
			25 sx Plug 8500-8570			
			25 sx Plug 8675-8750			
			Shot csg @ 8740 & pulled			
			TOC @ 8950			
Wolfcamp	9500		CIBP @ 9500 w/ 24' cmt			
			Perfs 9898-9908			
			Perfs 10004-10040			
			Perfs 10086-10112			
			Old PBD 10144			
			5 1/2 @ 10170			
			45 sx Plug 10200-10350			
Penn	10354					
Mississippian	10717					
Devonian	11840		45 sx Plug 11842-12004			
			TD 12004			
			PREPARED BY:			UPDATED

**Wellbore Schematic
Proposed Completion
With 3-1/2" Liner**

Lease: Reeves 26 Well: #3 SWD API # 30-025-03136
 Field: South Vacuum County: Lea State New Mexico
 Section 26 Township 18-S Range 35-E
 Elev. GL 3880' Elev. DF Elev. KB
 Spudded Completed 11/4/1960 660' FSL, 1980 FEL



Surface Casing	11-3/4" OD	Grade	Armco SJ, SW
	Set @ 453'	Hole Size	15"
	TOC Sur.	Sacks	450

Intermediate Casing	8 5/8" OD	24 32#/Ft.	Grade	J-55
	Set @ 3801'		Hole Size	11"
	TOC		Sacks	450

Production Casing	5-1/2"	17 & 20#/Ft.	Grade	J-55, N-80
	Set @ 10,170		Hole Size	7-7/8"
	TOC 8,950'		Sacks	115

Liner Record	3-1/2" OD	9.3#/Ft.	Grade	P 110
	Top @ 9,700'		Bottom @	12,004'
	Screen		Hole Size	4-3/4"
	TOC 9,700'		Sacks	200

Tubing Detail	3-1/2"	9.3#	Grade/Trd.	Plastic Coated
	Pkr. Set @ 9,796'		EOT	9,810"
	Nipples			
	Anchors		Rods	

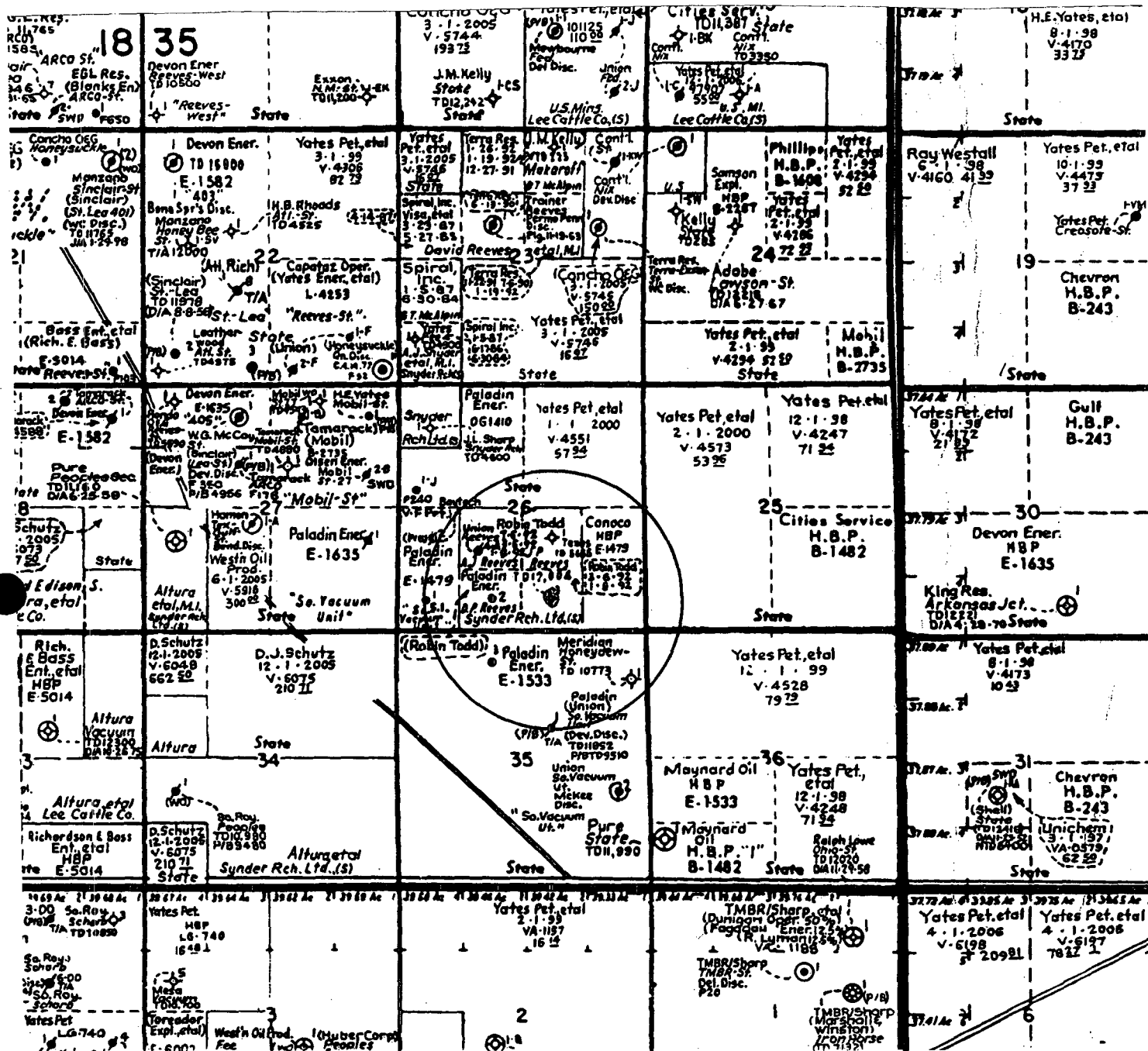
Perforation Record

Current Perfs.

Proposed Perfs	11,860 - 11,960' 4 SPF	Devonian
Re-Perf	10,040 - 10,056'	Wolfcamp
	10,004 - 10,018'	Wolfcamp
	9,846 - 9,908'	Wolfcamp

Comments:

Prepared By: David Plaisance
 Date: _____



DISPOSAL WELL

API #	PROPERTY NAME	#	OPERATOR	TD	TYPE	STAT	CO	LAND	U/L	SEC	TWN	RNG	N/S	E/W
30-025-03136	REEVES 26	3	PALADIN ENERGY CORP	12004			LEA		O	26	18 S	35 E	660 S	1980 E

Wells within 1/2 mile of the proposed disposal well.

5280														
API #	PROPERTY NAME	#	OPERATOR	TD	TYPE	STAT	CO	LAND	U/L	SEC	TWN	RNG	N/S	Distance
30-025-03129	MAKAROFF	001	JOHN M KELLY	225	D&A	P&A	Lea	P	B	23	18 S	35 E	330 N	1980 E 990
30-025-03130	STATE KW 23	001	CONTINENTAL OIL CO	12284	O	P&A	Lea	S	A	23	18 S	35 E	660 N	660 E 1866
30-025-03135	REEVES 26	002	PALADIN ENERGY CORP	11750	O	A	Lea	P	N	26	18 S	35 E	660 S	1980 W 1320
30-025-03139	JANIE P REEVES	001	TEXACO EXPL & PROD INC	5655	D&A	P&A	Lea	P	J	26	18 S	35 E	1980 S	1980 E 1320
30-025-03134	SOUTH VACUUM UNIT	261	PALADIN ENERGY CORP	11756	O	A	Lea	S	M	26	18 S	35 E	660 S	660 W 2640
30-025-03137	REEVES 26	004	UNION OIL CO OF CALIFORNIA	11730	O	P&A	Lea	P	K	26	18 S	35 E	1654 S	1654 W 1922
30-025-37035	SOUTH VACUUM UNIT	265	PALADIN ENERGY CORP	15248	G	A	Lea	S	L	26	18 S	35 E	1940 S	980 W 2649

DISPOSAL WELL

API #	PROPERTY NAME	#	OPERATOR	TD	TYPE	STAT	CO	LAND	U/L	SEC	TWN	RNG	N/S	E/W
30-025-03136	REEVES 26	3	PALADIN ENERGY CORP	12004			LEA		O	26	18 S	35 E	660 S	1980 E

Wells within 1/2 mile of the proposed disposal well and penetrate the proposed disposal interval.

5280														
API #	PROPERTY NAME	#	OPERATOR	TD	TYPE	STAT	CO	LAND	U/L	SEC	TWN	RNG	N/S	Distance
30-025-03130	STATE KW 23	001	CONTINENTAL OIL CO	12284	O	P&A	Lea	S	A	23	18 S	35 E	660 N	660 E 1866
30-025-03135	REEVES 26	002	PALADIN ENERGY CORP	11750	O	A	Lea	P	N	26	18 S	35 E	660 S	1980 W 1320
30-025-03134	SOUTH VACUUM UNIT	261	PALADIN ENERGY CORP	11756	O	A	Lea	S	M	26	18 S	35 E	660 S	660 W 2640
30-025-03137	REEVES 26	004	UNION OIL CO OF CALIFORNIA	11730	O	P&A	Lea	P	K	26	18 S	35 E	1654 S	1654 W 1922
30-025-37035	SOUTH VACUUM UNIT	265	PALADIN ENERGY CORP	15248	G	A	Lea	S	L	26	18 S	35 E	1940 S	980 W 2649

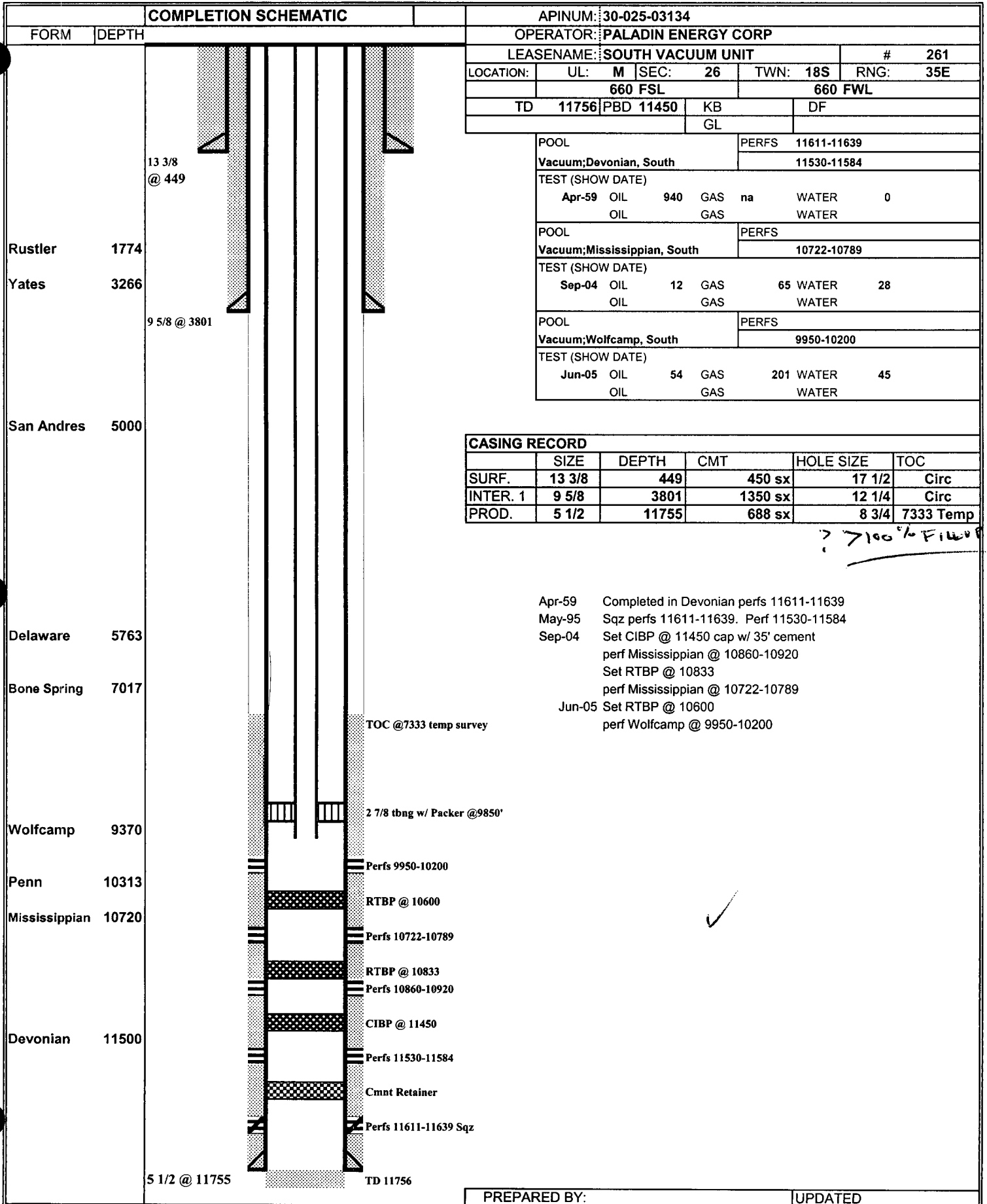
WELLBORE SCHEMATIC AND HISTORY

COMPLETION SCHEMATIC		P&A	APINUM: 30-025-03130																																
FORM	DEPTH	OPERATOR: CONTINENTAL OIL CO																																	
		LEASENAME: STATE KW 23				# 1																													
		LOCATION:	UL: A	SEC: 23	TWN: 18S	RNG: 35E																													
		660 FNL				660 FEL																													
		TD 12284	PBD	KB 3896	DF																														
						GL																													
		POOL		PERFS																															
		Revees; Pennsylvanian		10877-10892																															
		TEST (SHOW DATE)																																	
		Aug-60	OIL 165	GAS na	WATER 0																														
			OIL	GAS	WATER																														
		<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th colspan="6">CASING RECORD</th> </tr> <tr> <th></th> <th>SIZE</th> <th>DEPTH</th> <th>CMT</th> <th>HOLE SIZE</th> <th>TOC</th> </tr> </thead> <tbody> <tr> <td>SURF.</td> <td>13 3/8</td> <td>342</td> <td>400 SX</td> <td>17 1/2</td> <td>0 Circ</td> </tr> <tr> <td>INTER. 1</td> <td>8 5/8</td> <td>3800</td> <td>1100 SX</td> <td>11</td> <td></td> </tr> <tr> <td>PROD.</td> <td>5 1/2</td> <td>12280</td> <td>300 SX</td> <td>7 7/8</td> <td>10384 Calc</td> </tr> </tbody> </table>				CASING RECORD							SIZE	DEPTH	CMT	HOLE SIZE	TOC	SURF.	13 3/8	342	400 SX	17 1/2	0 Circ	INTER. 1	8 5/8	3800	1100 SX	11		PROD.	5 1/2	12280	300 SX	7 7/8	10384 Calc
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INTER. 1	8 5/8	3800	1100 SX	11																															
PROD.	5 1/2	12280	300 SX	7 7/8	10384 Calc																														
Rustler	1810																																		
Yates	3295																																		
Grayburg	4518																																		
San Andres	4960																																		
Delaware	6114																																		
Bone Spring	6820																																		
Wolfcamp	9500																																		
Penn	10800																																		
Mississippian	11280																																		
Devonian	12096																																		

PREPARED BY:

UPDATED

WELLBORE SCHEMATIC AND HISTORY



PREPARED BY:

UPDATED

COMPLETION SCHEMATIC		APINUM: 30-025-03135	
FORM	DEPTH	OPERATOR: PALADIN ENERGY CORP	
		LEASENAME: REEVES 26 # 2	
		LOCATION: UL: N SEC: 26 TWN: 18S RNG: 35E	
		660 FSL 1980 FWL	
		TD 11750 PBD KB DF	
		GL	
		POOL	PERFS
		Vacuum; Devonian, South	11503-11528
		TEST (SHOW DATE)	
		Jul-59 OIL 894 GAS na WATER 0	
		OIL GAS WATER	

CASING RECORD					
	SIZE	DEPTH	CMT	HOLE SIZE	TOC
SURF.	11 3/4	465	525 sx	17 1/2	Circ
INTER. 1	8 5/8	3804	1200 sx	11	Circ
PROD.	5 1/2	11750	575 sx	7 7/8	8666 Calc

~ 80° to Flow

✓

DEVONIAN PRODUCER

FORMATION	DEPTH
Rustler	1770
Yates	3264
Queen	4430
San Andres	4972
Delaware	5727
Bone Spring	6980
Wolfcamp	9340
Penn	10272
Mississippian	10703
Devonian	11392

11 3/4 @ 465

8 5/8 @ 3804

TOC 8666 calc

Perfs 11503-11528

PBTD 11682

TD 11750

5 1/2 @ 11750

PREPARED BY:	UPDATED

DEVONIAN
PRODUCER

WELLBORE SCHEMATIC AND HISTORY

COMPLETION SCHEMATIC		P&A	APINUM: 30-025-03137		
FORM	DEPTH	OPERATOR: UNION OIL CO OF CALIFORNIA			
		LEASENAME: REEVES 26 # 4			
		LOCATION:	UL: K	SEC: 26	TWN: 18S
		1654 FSL		RNG: 35E	1654 FWL
		TD	11730	PBD	KB
				GL	DF
		POOL Vacuum; Devonian, South		PERFS 11515-11573 11658-11696	
		TEST (SHOW DATE)			
		Apr-60	OIL 538	GAS 44	WATER 0
			OIL	GAS	WATER
Rustler	1759				
Yates	3260	8 5/8 @ 3802			
San Andres	4975				
Delaware					
Bone Spring	7000				
		<div style="display: flex; justify-content: space-between;"> <div> <p>ABO 8565</p> </div> <div> <p>TOC 9129 temp</p> </div> </div>			
Wolfcamp	9500				
Penn	10255				
Mississippian	10608				
Woodford	11282				
Devonian	11512				
		<div style="display: flex; justify-content: space-between;"> <div> <p>5 1/2 @ 11755</p> </div> <div> <p>TOC 9129 temp</p> </div> </div>			

CASING RECORD					
	SIZE	DEPTH	CMT	HOLE SIZE	TOC
SURF.	11 3/4	451	475 sx	17 1/2	Circ
INTER. 1	8 5/8	3802	1288 sx	11	Circ
PROD.	5 1/2	11730	170 sx	7 7/8	9129 temp

Jul-84 New PBTD 11430

Perf & Set retainer pump 200sx

Perf & test Bone Spring

P&A

12/84-01/85

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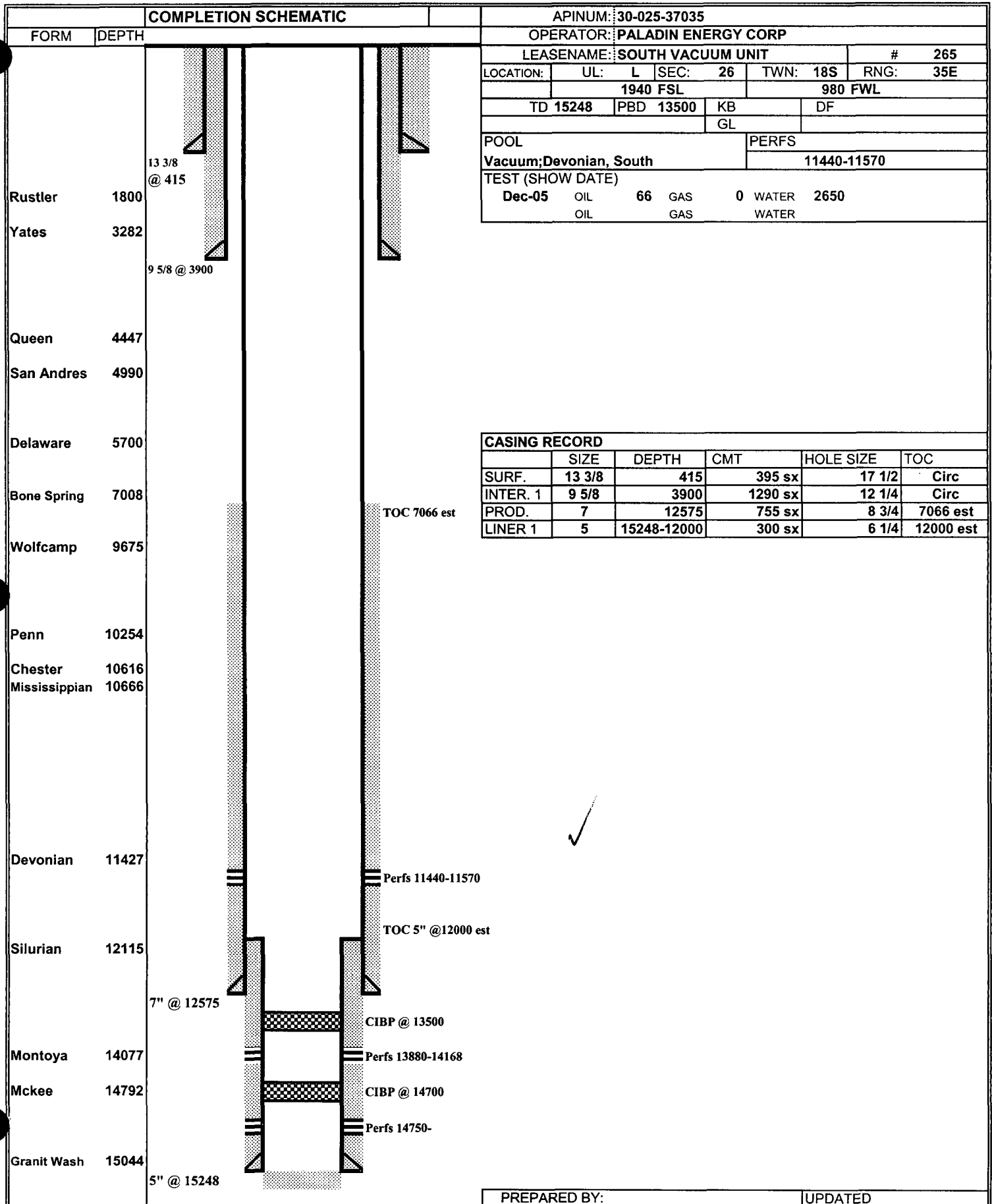
1 0

✓

PREPARED BY:

UPDATED

WELLBORE SCHEMATIC AND HISTORY



PREPARED BY:

UPDATED



OPERATOR

Paladin Energy Corp.

LEASE

Reeves 26

WELL NO.

#3

46015 1980/E

Unit 0

SECTION

26

TOWNSHIP

18

RANGE

35

FOOTAGE LOCATION

Well Construction Data



Surface Casing

Size 11 3/4"

Cemented with 450

SX.

TOC Surface

feet determined by circulation

Hole Size 15"

Intermediate Casing

Size 8 7/8"

Cemented with 450

SX.

TOC Surface

feet determined by calculated

Hole Size 11"

Long String

Size 5 1/2"

Cemented with 115

SX.

TOC

feet determined by 75

Hole Size 7 7/8"

Total Depth 12004'

Injection Interval Plan to run 3 1/2' lines from 9706 to

9946' feet to 11960' feet

(perforated or open-hole; indicate which)

TD 12004

INJECTION WELL DATA SHEET

Tubing Size: 3 1/2" Lining Material: Plastic CoatedType of Packer: Baker TensionPacker Setting Depth: 9796'Other Type of Tubing/Casing Seal (if applicable): None

Additional Data

1. Is this a new well drilled for injection? Yes X No
 If no, for what purpose was the well originally drilled? oil and gas

2. Name of the Injection Formation: Wolfcamp and Devonian3. Name of Field or Pool (if applicable): South Vasecum4. 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. this wellis PTH schematic of Plugs attached; one plans are to re-enter for SWD

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:

The Bone Springs is at 7000'The Silurian is at 12,100'



XI

PHONE (325) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
EDDIE SEAY CONSULTING
601 W. ILLINOIS
HOBBS, NM 88242
FAX TO: (505) 392-6949

Receiving Date: 05/04/06
Reporting Date: 05/05/06
Project Number: PALADIN
Project Name: PALADIN SOUTH VACUUM
Project Location: BUCKEYE, NM

Sampling Date: 05/03/06
Sample Type: GROUNDWATER
Sample Condition: COOL & INTACT
Sample Received By: HM
Analyzed By: AB/HM

LAB NUMBER	SAMPLE ID	Na (mg/L)	Ca (mg/L)	Mg (mg/L)	K (mg/L)	Conductivity (μ S/cm)	T-Alkalinity (mgCaCO ₃ /L)
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ANALYSIS DATE:	05/05/06	05/05/06	05/05/06	05/05/06	05/04/06	05/05/06
H11080-1 WW #26	<1	64	39	2.6	519	160
H11080-2 WW #35	33	64	19	1.7	596	160
Quality Control	NR	48.1	48.6	3.98	1428	NR
True Value QC	NR	50.0	50.0	4.00	1413	NR
% Recovery	NR	96.2	97.2	99.6	101	NR
Relative Percent Difference	NR	0.0	0.0	7.9	0.1	NR

METHODS:	SM3500-Ca-D	3500-Mg E	8049	120.1	310.1
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Cl ⁻ (mg/L)	SO ₄ (mg/L)	CO ₃ (mg/L)	HCO ₃ (mg/L)	pH (s.u.)	TDS (mg/L)
---------------------------	---------------------------	---------------------------	----------------------------	--------------	---------------

ANALYSIS DATE:	05/04/06	05/05/06	05/05/06	05/05/06	05/04/06	05/04/06
H11088-1 WW #26	36	49	0.0	195	7.58	358
H11088-2 WW #35	44	86	0.0	195	7.42	437
Quality Control	990	27.3	NR	976	6.81	NR
True Value QC	1000	25.0	NR	1000	7.00	NR
% Recovery	99	109	NR	97.6	97.3	NR
Relative Percent Difference	2.0	1.6	NR	0.0	0.8	NR

METHODS:	SM4500-Cl-B	375.4	310.1	310.1	150.1	160.1
----------	-------------	-------	-------	-------	-------	-------

John S. Moore
Chemist

05-08-06
Date

PLEASE NOTE: **Liability and Damages.** Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.



2111 Beechwood, Abilene, TX 79603 101 East Martland, Hobbs, NM 88240
(815) 673-7001 Fax (915) 673-7020 (505) 393-2328 Fax (505) 393-2476

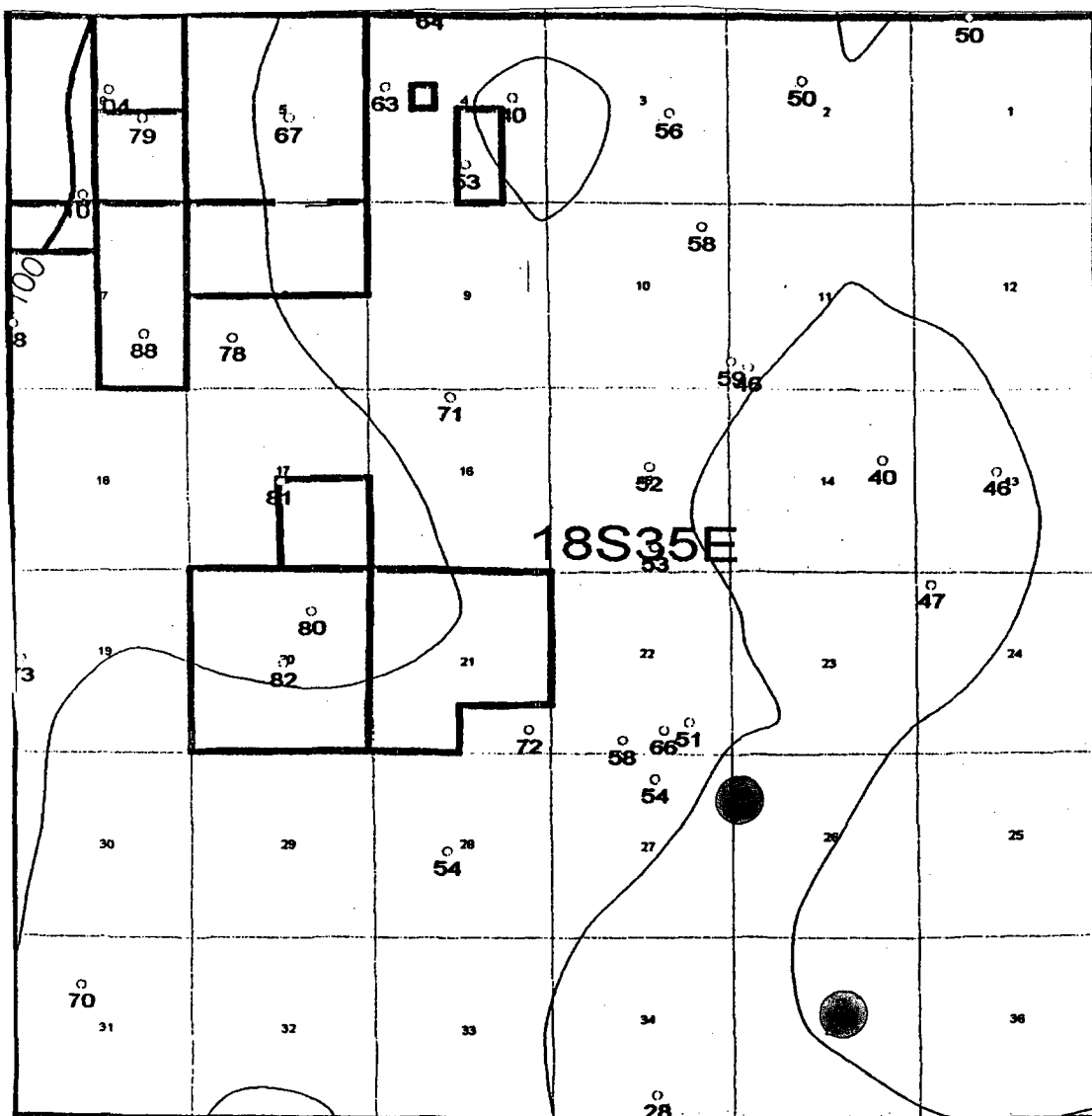
101 East Marland, Hobbs, NM 88240
(505) 393-2326 Fax (505) 393-2476

Page _____ of _____

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

XI



● water well location

POOL: Teen-Devotionism

All values in Parts per Million - PPM.

[illegible]

Pool Chloride Average (All Pool Formations).	Form.	18, 893
Pool Formation Average - PPM Cl.	Form.	
Pool Formation Average - PPM Cl.	Form.	
Pool Formation Average - PPM Cl.	Form.	

CODE:

WF = Water Flood Water

PW = Produced Water (Primary)

R = Reef water.

PALADIN ENERGY CORP.

May 19, 2006

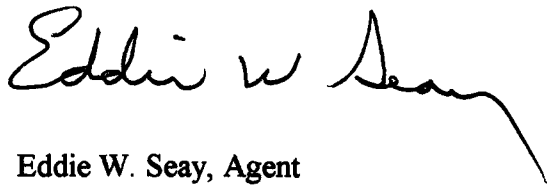
RE: Reeves 26 #3
Unit O, Sect. 26, T. 18 S., R. 36 E.
API #30-025-03136

Dear Sir:

In accordance with the Rules and Regulations of the Oil Conservation Division of the State of New Mexico, you are being provided a copy of the C-108, Application for Authorization to Inject in to the above captioned well.

Any questions about the permit can be directed to Eddie W. Seay, (505)392-2236. Any objections or request for hearing must be filed with the Oil Conservation Division within fifteen (15) days from the date received. The OCD address is 1220 S. Saint Francis Drive, Santa Fe, NM 87504, (505)476-3440.

Thank you,



Eddie W. Seay, Agent
601 W. Illinois
Hobbs, NM 88242
(505)392-2236
seay04@leaco.net

LEASE OWNERS AND OFFSETS

LANDOWNER

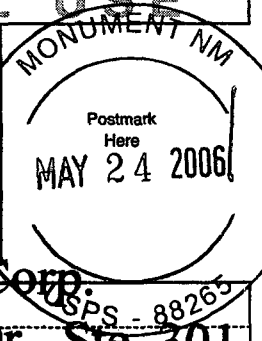
Snyder Ranches Ltd.
Box 2158
Hobbs, NM 88241

OFFSET OPERATORS

Paladin Energy Corp.
10290 Monroe Dr., Ste. 301
Dallas, TX 75229

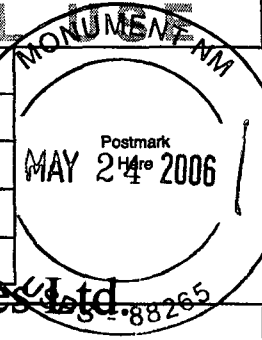
7004 0750 0003 4816 3774

U.S. Postal Service	
CERTIFIED MAIL™ RECEIPT	
(Domestic Mail Only; No Insurance Coverage Provided)	
For delivery information visit our website at www.usps.com	
OFFICIAL USE	
Postage	\$ 1.35
Certified Fee	2.40
Return Receipt Fee (Endorsement Required)	1.85
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 5.60
Sent To	
Paladin Energy Corp.	
10290 Monroe Dr., Ste. 301	
Dallas, TX 75229	
PS Form 3800, June 2002	
See Reverse for Instructions	



7004 0750 0003 4816 3767

U.S. Postal Service	
CERTIFIED MAIL™ RECEIPT	
(Domestic Mail Only; No Insurance Coverage Provided)	
For delivery information visit our website at www.usps.com	
OFFICIAL USE	
Postage	\$ 1.35
Certified Fee	2.40
Return Receipt Fee (Endorsement Required)	1.85
Restricted Delivery Fee (Endorsement Required)	1
Total Postage & Fees	\$ 5.60
Sent To	
Snyder Ranches Ltd.	
Box 2158	
Hobbs, Nm 88241	
PS Form 3800, June 2002	
See Reverse for Instructions	



LEGAL NOTICE

Pursuant to the rules and regulations of the Oil Conservation Division of the State of New Mexico, Paladin Energy Corp., 10290 Monroe Dr., Ste. 301, Dallas, Texas 75229, is filing a C-108 Application for Salt Water Disposal. The well being applied for is the Reeves 26 #3, located in Unit O, Section 26, Township 18 South, Range 35 East, Lea Co., NM. The injection formation is the Wolfcamp and Devonian, located from 9846' to 11960' below surface. Expected maximum injection rate is 3000 bpd., and the expected maximum injection pressure is 1200 psi or what the OCD allows. Any questions about the application can be directed to Eddie W. Seay, (505)392-2236, or any objection or request for hearing must be directed to the Oil Conservation Division, (505)476-3440, 1220 South Saint Francis Drive, Santa Fe, NM 87504, within fifteen (15) days.

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

That the notice which is hereto attached, entitled

And that the cost of publishing said notice is the sum of \$23.88 _____ which sum has been (Paid) as Court Costs.

May 2006
Debbie Schilling
Debbie Schilling
Notary Public, Lea County, New Mexico
My Commission Expires June 22, 2006

Pursuant to the rules and regulations of the Oil Conservation Division of the State of New Mexico, Paladin Energy Corp., 10290 Monroe Dr., Ste. 301, Dallas, Texas 75229, is filing a C-108 Application for Salt Water Disposal. The well being applied for is the Reeves 26 #3, located in Unit O, Section 26, Township 18 South, Range 35 East, Lea Co., NM. The injection formation is the Wolfcamp and Devonian, located from 9846' to 11960' below surface. Expected maximum injection rate is 3000 bpd., and the expected maximum injection pressure is 1200 psi or what the OCD allows. Any questions about the application can be directed to Eddie W. Seay, (505) 392-2236, or any objections or request for hearing must be directed to the Oil Conservation Division, (505) 476-3440, 1220 South Saint Francis Drive, Santa Fe, NM 87504, within fifteen (15) days. Published in the Lovington Leader May 23, 2006.

NEW MEXICO OIL CONSERVATION COMMISSION

MISCELLANEOUS REPORTS ON WELLS

(Submit to appropriate District Office as per Commission Rule 1106)

1960 AUG 9 AM 9:40

COMPANY The Pure Oil Company - P.O. Box 2532 - Hobbs, New Mexico
(Address)

LEASE Reeves "A" WELL NO. 3-26 UNIT 0 S 26 T 18-S R 35-E

DATE WORK PERFORMED 8-1-60 POOL South Vacuum (Devonian)

This is a Report of: (Check appropriate block) ☐ Results of Test of Casing Shut-off

☐ Beginning Drilling Operations

☐ Remedial Work

☐ Plugging

☒ Other Current Status Report

Detailed account of work done, nature and quantity of materials used and results obtained:
Well was drilled to 12,004' in the Devonian, which was not productive. Placed plugs 12,004' to 11,842' with 45 sacks cement and 10,350' to 10,200' with 45 sacks cement. Ran 5-1/2" OD casing to 10,170' and cemented with 115 sacks cement with 70 gallons LA-2 added. Perforated 5-1/2" casing 10,086 to 10,112' with 104 shots and attempted completion in the Wolfcamp. This was treated with 3000 gallons of retarded acid in two stages of 1500 gallons each. We then perforated 5-1/2" OD casing from 10,040' to 10,059' and 10,004' to 10,018' with 4 shots per foot. These perforations were treated with 1000 gallons mud acid and 5000 gallons retarded acid. 5-1/2" OD casing was then perforated 9898' to 9908'. Well was dry. Casing has not been pulled and no work has been performed on the well.

FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY

Original Well Data:

DF Elev. _____ TD _____ PBD _____ Prod. Int. _____ Compl Date _____

Tbng. Dia _____ Tbng Depth _____ Oil String Dia _____ Oil String Depth _____

Perf Interval (s) _____

Open Hole Interval _____ Producing Formation (s) _____

RESULTS OF WORKOVER:

BEFORE

AFTER

Date of Test _____

Oil Production, bbls. per day _____

Gas Production, Mcf per day _____

Water Production, bbls. per day _____

Gas-Oil Ratio, cu. ft. per bbl. _____

Gas Well Potential, Mcf per day _____

Witnessed by _____

NEW MEXICO OIL CONSERVATION COMMISSION
MISCELLANEOUS REPORTS ON WELLS

(Submit to appropriate District Office as per Commission Rule 1106)

COMPANY The Pure Oil Company - Box 671 - Midland, Texas

(Address)

LEASE South Vacuum m
Reeves "A" WELL NO. 4-26 UNIT K S 26 T 18-S R 35-E
DATE WORK PERFORMED 2-10-60 POOL South Vacuum (Devonian)
4-14-60

This is a Report of: (Check appropriate block) ☒ Results of Test of Casing Shut-off
☒ Beginning Drilling Operations ☐ Remedial Work
☐ Plugging ☒ Other Well Completion

Detailed account of work done, nature and quantity of materials used and results obtained:
Spud 17-1/2" hole 2-10-60, drilled to 456', 2-11-60 ran 451' of 11-3/4" OD 42# casing, cemented with 475 sacks, pumped plug to 412', maximum pressure 250#, had cement returns to surface, 24 hours WOC. (Cement job complete 3:00 PM 2-11-60). Tested casing and cement with 1000#, held 30 minutes OK. Drilled 456' to 3802', 2-18-60 ran 3802' of 8-5/8" OD 24 32# casing with guide shoe at 3802', float collar at 3733', cemented with 1288 sacks, maximum pressure 1200#, had cement returns to surface (job completed at 8:00 PM 2-18-60), 24 hours tested casing and cement with 1000#, held 30 minutes OK. Drilled 3802' to 11730', 4-14-60 ran 11730' of 17# and 20# 5-1/2" OD casing, cemented with shoe at 11730', float collar at 11693', cemented with 170 sacks, pumped plug to 11693', maximum pressure 1200#, job complete 2:00 PM 4-14-60, 24 hours WOC. Tested casing and cement with 1000# for 30 minutes, held 0 Drilled float collar and cement from 11693' to 11728' PSTD. Ran cement log to 11729', indicated top cement outside 5-1/2" OD casing at 9129'. Perforated 5-1/2" OD casing 11658 Ran TIW packer on 11597' of 2" tubing, set packer at 11565'.

FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY

Original Well Data:

DF Elev. _____ TD _____ PBD _____ Prod. Int. _____ Compl Date _____
Tbng. Dia _____ Tbng Depth _____ Oil String Dia _____ Oil String Depth _____
Perf Interval (s) _____
Open Hole Interval _____ Producing Formation (s) _____

RESULTS OF WORKOVER:

BEFORE AFTER

Date of Test	_____	_____
Oil Production, bbls. per day	_____	_____
Gas Production, Mcf per day	_____	_____
Water Production, bbls. per day	_____	_____
Gas-Oil Ratio, cu. ft. per bbl.	_____	_____
Gas Well Potential, Mcf per day	_____	_____

Inactive Well List

Total Well Count:61 Inactive Well Count:0 Since:3/28/2005

Printed On: Wednesday, June 21 2006

District API Well ULSTR OCD Unit OGRID Operator Lease Type Well Type Last Production Formation/Notes Status Days in TA

WHERE Ogrid:164070, County:All, District:All, Township:All, Range:All, Section:All, Production(months):15

2006 JUN 29 PM 12 07

June 27, 2006

NMOCD Engineering
ATTN: Will Jones
1220 S. Saint Francis Drive
Santa Fe, NM 88504

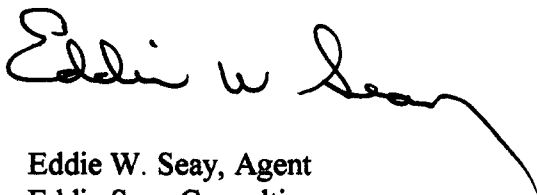
RE: Paladin Energy
Reeves 26 #3 SWD

Mr. Jones:

Enclosed is the additional information you requested, advertisement and notices to Yates.

If you need anything else, please call.

Thanks,

A handwritten signature in black ink, appearing to read "Eddie W. Seay", with a long, sweeping underline that extends to the right.

Eddie W. Seay, Agent
Eddie Seay Consulting
601 W. Illinois
Hobbs, NM 88242
(505)392-2236
seay04@leaco.net

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Yates Petroleum Corp.
105 S. Fourth St.
Artesia, NM 88210

2. Article: **7004 0750 0003 4816 3781**
(Transf)

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

Kathy Donaghe ☐ Agent
☐ Addressee

B. Received by (Printed Name)

KATHY DONAGHE

C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type

☒ Certified Mail ☐ Express Mail
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

☐ Yes

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 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 LEADER** and not in any supplement thereof, for

one (1) day, beginning with the issue of June 24, 2006 and ending with the issue of June 24, 2006.

And that the cost of publishing said notice is the sum of \$23.88 which sum has been (Paid) as Court Costs.

Joyce Clemens

Subscribed and sworn to before me this 26th day of June 2006

Debbie Schilling

Debbie Schilling

Notary Public, Lea County, New Mexico

My Commission Expires June 22, 2010

LEGAL NOTICE

Pursuant to the rules and regulations of the Oil Conservation Division of the State of New Mexico, Paladin Energy Corp., 10290 Monroe Dr., Ste. 301, Dallas, Texas 75229, is filing a C-108 Application for Salt Water Disposal. The well being applied for is the Reeves 26 #3, located in Unit O, Section 26, Township 18 South, Range 35 East, Lea Co., NM. The injection formation is the Wolfcamp from 9846' to 10056' and the Devonian from 11860' to 11960' below surface. Expected maximum injection rate is 3000 bpd., and the expected maximum injection pressure is 1200 psi or what the OCD allows. Any questions about the application can be directed to Eddie W. Seay, (505) 392-2236, or any objection or request for hearing must be directed to the Oil Conservation Division, (505) 476-3440, 1220 South Saint Francis Drive, Santa Fe, NM 87504, within fifteen (15) days.

Published in the Lovington Leader June 24, 2006.

Injection Permit Checklist

SWD Order Number 1036 Dates: Division Approved _____ District Approved _____

Information Request Letter or Email sent _____

Well Name/Num: REEVES 26 well #3 Date Spudded: 11/4/60

API Num: (30-) 025-03136 County: LEA

Footages 660FSL/1980 FEL Sec 26 Tsp 18S Rge 3SE

Operator Name: PALADIN ENERGY CORP. Contact DAVID PLAISANCE

Operator Address: 10290 MONROE DR. SUITE 301 DALLAS, TX, 75229

	Hole/Pipe Sizes	Depths	Cement	Top/Method
Surface	15 — 11 ³ / ₄	453	475	CIRC
Intermediate	11 — 8 ⁵ / ₈	3801	1469	CIRC
Production	7 ⁷ / ₈ — 5 ¹ / ₂	10170	115	8850'?
Last DV Tool				
Open Hole/Liner				
Plug Back Depth				

Diagrams Included (Y/N): Before Conversion ☒ After Conversion ☒

Checks (Y/N): Well File Reviewed ☒ ELogs in Imaging ☒ AROLD GRANT

Intervals:	Depths	Formation	Producing (Yes/No)
Salt/Potash	OK		
Capitan Reef	X		
Cliff House, Etc:	X		
Formation Above	<u>Base 5 PRINS-</u>		
Top Inj Interval	<u>9846-1005</u>	WC	
Bottom Inj Interval	<u>11800-11960</u>	DEV.	
Formation Below			

3 1/2" TUBING
RE-ENTRY of P&A
RE-INSTALL 5 1/2" CSS
NOT-COMMERCIAL
+ 3 1/2" Liner 19,100-12,004'

1969 PSI Max. WHIP
N Open Hole (Y/N)
N Deviated Hole (Y/N)

Fresh Water Site Exists (Y/N) Y Analysis Included (Y/N): Y

Salt Water Analysis: Injection Zone (Y/N/NA) NA Disposal Waters (Y/N/NA) Y Types: Acid/DEV/SILUR

Affirmative Statement Included (Y/N): ☒ Newspaper Notice Adequate (Y/N) No Well Table Adequate (Y/N) ☒

Surface Owner SNYDER RANCHES Noticed (Y/N) ☒ Mineral Owner(s) all leased?

AOR Owners: Yates, CYNOS, CHEVROTTA Noticed (Y/N) _____

CID/Potash/Etc Owners: _____ Noticed (Y/N) _____

AOR Num Active Wells 3 Repairs? ☒ Producing in Injection Interval in AOR NO

AOR Num of P&A Wells 2 Repairs? ☒ Diagrams Included? ☒

RE-DOE NEWSPAPER
Send to Yates' SLO?

Data to Generate New AOR Table

New Table Generated? (Y/N) _____

	STR	E-W Footages	N-S Footages
Wellsite			
Northeast			
North			
Northwest			
West			
Southwest			
South			
Southeast			
East			

Conditions of Approval:

1. RUN CBL on original 5/2"
2. Send any new logs to OGD
3. _____
4. _____

RBDMS Updated (Y/N) _____

UIC Form Completed (Y/N) _____

This Form completed _____