Submit 3 Copies To Appropriate District Office
District I
1625 N. French Dr., Hobbs, NM 87240
District II
811 South First, Artesia, NM 87210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

RECEIVED
OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505
JAN 2005

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

Form C-103
Revised March 25, 1999

WELL API NO. 30-015-30348

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

6. State Oil & Gas Lease No.

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: Washington 33 State

1. Type of Well: Oil Well [ ] Gas Well [ ] Other Injection

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OCD-ARTESIA

2. Name of Operator: BP America Production Company

8. Well No. 12

3. Address of Operator: P. O. Box 3092 Houston, Texas 77253

9. Pool name or Wildcat: Artesia Queen-Grayburg-San Andres

4. Well Location

Unit Letter G : 2342 feet from the North line and 2270 feet from the East line

Section 33 Township 17S Range 28E NMPM County Eddy

10. Elevation *(Show whether DR, RKB, RT, GR, etc.)*

11. 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	[ ]	ALTERING CASING	[ ]
TEMPORARILY ABANDON	[ ]	CHANGE PLANS	[ ]	COMMENCE DRILLING OPNS.	[ ]	PLUG AND ABANDONMENT	[ ]
PULL OR ALTER CASING	[ ]	MULTIPLE COMPLETION	[ ]	CASING TEST AND CEMENT JOB	[ ]		
OTHER: Water Injection Well Conversion	[x]			OTHER:			[ ]

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompilation.

BP America Production Company requests permission to inject water in the Washington 33 State Lease #12 well. Attached are all pertinent data necessary for approval.

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

SIGNATURE Sheryal Joseph TITLE Regulatory Analyst DATE 1/24/05

Type or print name Sheryal Joseph Telephone No. 281-366-4493

(This space for State use)

APPROVED BY _____ TITLE _____ DATE _____

Conditions of approval, if any:

BP America Production Company
Permian Performance Unit
501 Westlake Park Blvd.
Houston, TX 77079

Phone: 281-366-2000

January 24, 2005

State of New Mexico
Energy, Minerals, and Natural
Resources Department
Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87501

Attn: Mr. William Jones
UIC Department

Application for Authority to Inject
Washington 33 State Lease Well #12
Artesia Pool, Eddy County, New Mexico

Dear Mr. Jones,

Permission is requested to inject water in the Washington 33 State Lease, Artesia Pool, Eddy County, New Mexico, using the Washington 33 State Well No. 12. Attached is our application for authority to inject, a location map identifying all wells and leases within two miles of the injection well, a table of completion data on all wells of public record in the area of review, a wellbore schematic for each plugged well, a statement on proposed well operation, a statement on geology, a statement on the proposed injection well stimulation program, and chemical analysis of nearby fresh water. In addition, an injection well data sheet and proof of notice that a copy of the application has been furnished to the surface owner and offset operators is attached.

The Washington 33 State Well No.12 is currently perforated selectively from 1449' to 2928', in all known productive horizons of the Artesia Pool. Water injection will be through 2 3/8" PCID tubing with tension packer set within 100' of the injection interval. The injection water will be produced water from the Artesia and Empire Abo Pools. The average injection rate will be 500 BWPD and the injection pressure will be limited to 0.2 psi/foot of depth to the uppermost injection perforation.

Your favorable consideration in this matter is respectfully requested. If you have any questions or need any additional data, please contact Mr. Bill Simpson at 281-366-0333. If this application cannot be handled administratively, please set for a hearing at the earliest possible time.

Yours very truly,

Sheryal Joseph
Regulatory Analyst

Attachments
WCS:ws

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
2040 SOUTH PACHECO
SANTA FE, NEW MEXICO 87505

FORM C-108
Revised 4-1-98

APPLICATION FOR AUTHORIZATION TO INJECT

I. PURPOSE: ____X____ Secondary Recovery _____Pressure Maintenance _____Disposal _____Storage
Application qualifies for administrative approval? _____Yes _____No

II. OPERATOR: **BP America Production Company**

ADDRESS: **501 Westlake Park Blvd, Rm 6.138**

CONTACT PARTY: **Sheryal Joseph** PHONE: **(281) 366-4493**

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.

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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.
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: Sheryal Joseph TITLE: Regulatory Analyst

SIGNATURE: Sheryal Joseph DATE: 1-24-05

* 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: X. Log and test data submitted with well completion in 1998.

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, 2040 South Pacheco, 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.

Tabulation of Data on Wells in Area of Review
Washington 33 State Lease Waterflood
Referance State Form C-108 Item VI Attachment

Lease & Well Number / API Number	Operator	Location	Sec.	Twn.	Rg	Type	Date Spud	Hole Size	Casing	Casing Depth Ft	Cmt Volume Sx	Cmt Yld Ft3/Sx	Annular Space Ft/Ft3	TOC Feet From Surface	TOC How measured	Well Depth TD	Well Depth PBTD	Completion Zone	Perfs	Comment
29 Empire Abo Unit F	BP America Prod Co.	1980 FNL & 620 FWL	33	17 S	28 E	Oil	5/13/60	11.250	8 5/8"	1003	450	0.66	3.514	surface	CIRC	6150	6108	Abo Reef	5682'-6053'	OA
30-015-01687								7.875	4 1/2"	6150	800	0.66	4.390	2058	CBL					
									Remedial SQ Holes@2008'	2008	900	0.66	4.390	surface	CIRC					
291 Empire Abo Unit G	BP America Prod Co.	2000 FSL 1200 FWL	33	17 S	28 E	Oil	4/21/79	11.000	8 5/8"	768	800	0.66	3.934	surface	CIRC	6250	6212	Abo Reef	6173'-6193'	
30-015-22864								7.875	5 1/2"	6250	700	0.66	5.772	3018	CIRC @DV				6020'-6120'	
									5 1/2 DV tool @	3018	850	0.66	5.772	surface	CIRC					
314 Empire Abo Unit G	BP America Prod Co.	1450 FSL & 2000 FEL	33	17 S	28 E	Oil	4/3/79	11.000	8 5/8"	763	600	0.66	3.934	surface	CIRC	6370	6199	Abo Reef	5953'-6082'	
30-015-22845								7.875	5 1/2"	6369	780	0.66	5.772	2983	CIRC @DV					
									5 1/2 DV tool @	2983	875	0.66	5.772	surface	CIRC					
303 Empire Abo Unit H	BP America Prod Co.	800 FSL & 1340 FWL	33	17 S	28 E	Oil	11/17/78	11.000	8 5/8"	600	400	0.66	3.934	surface	CIRC	6325	6271	Abo Reef	6195'-6220'	
30-015-22634								7.875	5 1/2"	6325	700	0.66	5.772	3025	CIRC @DV					
									5 1/2 DV tool @	3025	900	0.66	5.772	surface	CIRC					
294 Empire Abo Unit H	BP America Prod Co.	1200 FSL & 700 FWL	33	17 S	28 E	Oil	11/31/78	11.000	8 5/8"	600	550	0.66	3.934	surface	CIRC	6300	6250	Abo Reef	6216'-6238'	
30-015-22632								7.875	5 1/2"	6300	600	0.66	5.772	3005	CIRC @DV					
									5 1/2 DV tool @	3005	900	0.66	5.772	surface	CIRC					
322 Empire Abo Unit F	BP America Prod Co.	2480 FNL & 500 FEL	33	17 S	28 E	Oil	7/5/78	11.000	8 5/8"	750	450	0.66	3.934	surface	CIRC	6344	6290	Abo Reef	5704'-5814'	OA
30-015-22594								7.875	5 1/2"	6344	730	0.66	5.772	3015	CIRC @DV					
									5 1/2 DV tool @	3015	900	0.66	5.772	surface	CIRC					
32 Empire Abo Unit H	BP America Prod Co.	990 FSL & 660 FEL	33	17 S	28 E	Oil	6/15/60	11.000	8 5/8"	1000	550	0.66	3.934	surface	CIRC	6345	6323	Abo Reef	5972'-6010'	CIBP@5948'
30-015-01696								7.875	4 1/2"	6345	1000	0.66	4.390	1520	CBL					
32 Empire Abo Unit E	BP America Prod Co.	990 FNL & 660 FEL	33	17 S	28 E	Oil	6/10/60	11.000	8 5/8"	1000	550	0.66	3.934	surface	CIRC	6170	6148	Abo Reef	5870'-6030'	
30-015-01695								7.875	4 1/2"	6170	1000	0.66	4.390	1430	Temp Survey					
322 Empire Abo Unit G	BP America Prod Co.	2310 FSL & 1100 FEL	33	17 S	28 E	Oil	6/17/78	11.000	8 5/8"	772	350	0.66	3.934	18	Tag	6250	6250	Abo Reef	6032'-6100'	CIBP @ 5990'
30-015-22525								11.000	Remedial 8 5/8" Cmt	18	1 yd			surface	CIRC				6135'-6140	
								7.875	5 1/2"	6170	603	0.66	5.772	2993	CIRC @DV					
									5 1/2 DV tool @	2993	860	0.66	5.772	surface	CIRC					
2 Washington 33 State	BP America Prod Co.	990 FNL & 930 FEL	33	17 S	28 E	Oil	10/21/98	12.250	8 5/8"	425	275	0.66	2.423	surface	CIRC	4150	4109	Shallow Sd	1452-2090	
30-015-30187								7.875	5 1/2"	4150	910	0.66	5.772	surface	CIRC			San Andres	2506'-2848	
3 Washington 33 State	BP America Prod Co.	260 FNL & 1550 FEL	33	17 S	28 E	Oil	7/16/98	12.250	8 5/8"	532	325	0.66	2.423	surface	CIRC	2950	2904	Shallow Sd	1422-2068	
30-015-30276								7.875	5 1/2"	2950	600	0.66	5.772	surface	CIRC			San Andres	2286'-2808'	
																			2263'-3440'	
4 Washington 33 State	BP America Prod Co.	990 FNL & 2270 FEL	33	17 S	28 E	Oil	10/13/98	12.250	8 5/8"	510	325	0.66	2.423	surface	CIRC	4000	3946	Shallow Sd	1414-1749	
30-015-30188								7.875	5 1/2"	4000	760	0.66	5.772	surface	CIRC			San Andres	2314'-2862'	
5 Washington 33 State	BP America Prod Co.	260 FNL & 2270 FWL	33	17 S	28 E	Oil	7/23/98	12.250	8 5/8"	505	325	0.66	2.423	surface	CIRC	2950	2940	Shallow Sd	1407-2048	
30-015-30277								7.875	5 1/2"	2946	600	0.66	5.772	surface	CIRC			San Andres	2312'-2832'	
6 Washington 33 State	BP America Prod Co.	990 FNL & 1650 FWL	33	17 S	28 E	Oil	8/8/98	12.250	8 5/8"	530	325	0.66	2.423	surface	CIRC	4000	3953	San Andres	2295'-2826'	
30-015-30138								7.875	5 1/2"	4000	760	0.66	5.772	surface	CIRC					

Tabulation of Data on Wells in Area of Review
Washington 33 State Lease Waterflood
Referance State Form C-108 Item VI Attachment

Lease & Well Number / API Number	Operator	Location	Sec.	Twn.	Rg	Type	Date Spud	Hole Size	Casing	Casing Depth Ft	Cmt Volume Sx	Cmt Yld Ft3/Sx	Annular Space Ft/Ft3	TOC Feet From Surface	TOC How measured	Well Depth TD	Well Depth PBTD	Completion Zone	Perfs	Comment
7 Washington 33 State	BP America Prod Co.	1650 FNL & 970 FWL	33	17 S	28 E	Oil	8/27/98	12.250	8 5/8"	530	325	0.66	2.423	surface	CIRC	3950	3918	San Andres	2283'-2722'	
30-015-30189								7.875	5 1/2"	3950	810	0.66	5.772	surface	CIRC					
8 Washington 33 State	BP America Prod Co.	2267 FNL & 330 FWL	33	17 S	28 E	Oil	7/30/98	12.250	8 5/8"	508	325	0.66	2.423	surface	CIRC	4000	3952	San Andres	2306'-2684'	
30-015-30190								7.875	5 1/2"	4000	760	0.66	5.772	surface	CIRC					
9 Washington 33 State	BP America Prod Co.	1650 FNL & 2270 FWL	33	17 S	28 E	Oil	5/2/98	12.250	8 5/8"	540	325	0.66	2.423	surface	CIRC	4200	4140	Shallow Sd	1424-2064	
30-015-30191								7.875	5 1/2"	4200	775	0.66	5.772	surface	CIRC			San Andres	2346'-2893'	
																		Yeso	3654'-3664'	CIBP @ 3500'
10 Washington 33 State	BP America Prod Co.	2267 FNL & 1650 FWL	33	17 S	28 E	Oil	9/4/98	12.250	8 5/8"	530	325	0.66	2.423	surface	CIRC	4000	3956	San Andres	2364'-2876'	
30-015-30192								7.875	5 1/2"	4000	810	0.66	5.772	surface	CIRC					
11 Washington 33 State	BP America Prod Co.	1650 FNL & 1650 FEL	33	17 S	28 E	Oil	10/3/98	12.250	8 5/8"	535	425	0.66	2.423	334	Temp Survey	4100	4059	Shallow Sd	1438-2088	
30-015-30193								12.250	Remedial 8 5/8" Cmt	330	150	0.66	2.423	surface	CIRC			San Andres	2484'-2914'	Cmt'd with 1"
								7.875	5 1/2"	4100	760	0.66	5.772	surface	CIRC					
12 Washington 33 State	BP America Prod Co.	2432 FNL & 2270 FWL	33	17 S	28 E	Oil	10/29/98	12.250	8 5/8"	540	540	0.66	2.423	surface	CIRC	4000	3958	Shallow Sd	1449'-2107'	
30-015-30348								7.875	5 1/2"	4000	810	0.66	5.772	surface	CIRC			San Andres	2372'-2928'	
																		Paddock	3652'-3786'	
13 Washington 33 State	BP America Prod Co.	1610 FNL & 250 FEL	33	17 S	28 E	Oil	6/1/78	11.000	8 5/8"	739	200	0.66	3.934	386	CIRC @DV	6210	5528	Shallow Sd	1471'-2124'	Formally EAU F-321
30-015-22524								11.000	8 5/8 DV tool @	386	225	0.66	3.934	surface	CIRC			San Andres	2326'-2910'	
								7.875	5 1/2"	6158	650	0.66	5.772	3013	CIRC @DV			Abo Reef	6158'-6210'	Cmt Plug 5528'
									5 1/2 DV tool @	3013	725	0.66	5.772	surface	CIRC				6060'-6066'	
14 Washington 33 State	BP America Prod Co.	2282 FNL & 970 FEL	33	17 S	28 E	Oil	5/12/98	12.250	8 5/8"	535	325	0.66	2.423	surface	CIRC	4200	3675	Shallow Sd	1452'-2122'	
30-015-30194								7.875	5 1/2"	4200	700	0.66	5.772	surface	CIRC			San Andres	2386'-2908'	
																		Yeso	3726'-3954'	
15 Washington 33 State	BP America Prod Co.	2250 FSL & 235 FEL	33	17 S	28 E	Oil	3/1/79	11.000	8 5/8"	775	100	0.66	3.934	289	Temp Survey	6370	5635	Shallow Sd	1486'-2164'	Formally EAU G-324
30-015-22822								11.000	Remedial 8 5/8" Cmt	289	150	0.66	3.934	surface	CIRC			San Andres	2444'-2965'	Cmt'd with 1"
								7.875	5 1/2"	6329	700	0.66	5.772	3000	CIRC @DV			Abo Reef	5725'-5782'	CIBP @ 5675'
									5 1/2 DV tool @	3000	800	0.66	5.772	surface	CIRC					w/ cmt @ 5635'
16 Washington 33 State	BP America Prod Co.	1500 FSL & 700 FEL	33	17 S	28 E	Oil	3/12/78	11.000	8 5/8"	600	300	0.66	3.934	surface	CIRC	6219	5840	Shallow Sd	1616'-2028'	Formally EAU G-323
30-015-22415								7.875	5 1/2"	6197	410	0.66	5.772	4635	calc			San Andres	2494'-3015'	
									5 1/2 DV tool @	3000	915	0.66	5.772	surface	CIRC			Abo Reef	5866'-5880'	CIBP @ 5840'
																			6197'-6219'	CIBP @ 6181'
17 Washington 33 State	BP America Prod Co.	1900 FSL & 1450 FEL	33	17 S	28 E	Oil	3/16/79	11.000	8 5/8"	751	400	0.66	3.934	surface	CIRC	6370	5750	San Andres	2444'-2980'	Formally EAU G-315
30-015-22821								7.875	5 1/2"	6370	800	0.66	5.772	3030	CIRC @DV			Abo Reef	5794'-5928'	CIBP @ 5750'
									5 1/2 DV tool @	3030	1100	0.66	5.772	surface	CIRC					w/ 35' cmt on top
18 Washington 33 State	BP America Prod Co.	1550 FSL & 2511 FEL	33	17 S	28 E	Oil	4/5/76	11.000	8 5/8"	550	200	0.66	3.934	surface	CIRC	6400	6015	Shallow Sd	1462'-1802'	Formally EAU G-312
30-015-21745								7.875	5 1/2"	6404	525	0.66	5.772	3975	CIRC @DV			Shallow Sd	1880'-2124'	
									5 1/2 DV tool @	3975	1100	0.66	5.772	surface	CIRC			San Andres	2386'-2985'	
																		Abo Reef	6231'-6285'	CIBP @ 6050'
																				w/ 35' cmt on top
19 Washington 33 State	BP America Prod Co.	2360 FSL & 2165 FWL	33	17 S	28 E	Oil	11/6/98	12.250	8 5/8"	540	325	0.66	2.423	surface	CIRC	4200	4055	Shallow Sd	1442'-2221'	

Tabulation of Data on Wells in Area of Review
Washington 33 State Lease Waterflood
Referance State Form C-108 Item VI Attachment

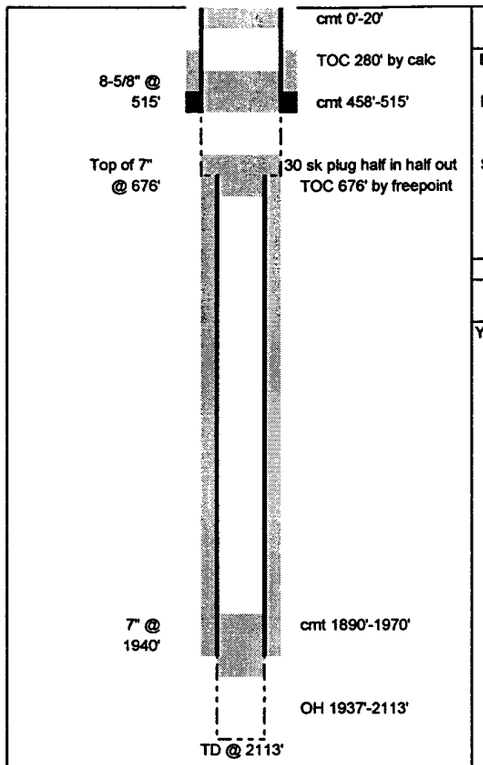
Lease & Well Number / API Number	Operator	Location	Sec.	Twn.	Rg	Type	Date Spud	Hole Size	Casing	Casing Depth Ft	Cmt Volume Sx	Cmt Yld Ft3/Sx	Annular Space Ft/Ft3	TOC Feet From Surface	TOC How measured	Well Depth TD	Well Depth PBTD	Completion Zone	Perfs	Comment
30-015-30332								7.875	5 1/2"	4100	860	0.66	5.772	surface	CIRC			San Andres	2394'-3009'	
21 Washington 33 State	BP America Prod Co.	2315 FSL & 990 FWL	33	17 S	28 E	Oil	9/14/98	12.250	8 5/8"	505	325	0.66	2.423	surface	CIRC	4200	4164	Shallow Sd	1428'-1994'	
30-015-30195								7.875	5 1/2"	420	910	0.66	5.772	surface	CIRC			San Andres	2360'-2766'	
22 Washington 33 State	BP America Prod Co.	1720 FSL & 330 FWL	33	17 S	28 E	Oil	9/23/98	12.250	8 5/8"	525	325	0.66	2.423	surface	CIRC	4000	3946	Shallow Sd	1432'-2090'	
30-015-30196								7.875	5 1/2"	4000	810	0.66	5.772	surface	CIRC			San Andres	2400'-2816'	
																		Yeso	3632'-3758'	RBP @ 2900'
23 Washington 33 State	BP America Prod Co.	975 FSL & 1060 FWL	33	17 S	28 E	Oil	11/15/98	12.250	8 5/8"	500	400	0.66	2.423	surface	CIRC	4200	4110	Yeso	3702'-3876'	
30-015-30333								7.875	5 1/2"	4150	860	0.66	5.772	surface	CIRC					
24 Washington 33 State	BP America Prod Co.	330 FSL & 330 FWL	33	17 S	28 E	Oil	8/17/98	12.250	8 5/8"	520	325	0.66	2.423	surface	CIRC	4150	4104	Yeso	3714'-3888'	
30-015-30334								7.875	5 1/2"	4150	760	0.66	5.772	surface	CIRC					
25 Washington 33 State	BP America Prod Co.	660 FSL & 1980 FWL	33	17 S	28 E	Oil	5/8/60	11.000	8 5/8"	1000	650	0.66	3.934	surface	CIRC	6355	3726	Shallow Sd	1502'-2188'	Formally EAU H-30
30-015-01690								7.875	4 1/2"	6355	1000	0.66	4.390	840	Temp Survey			San Andres	2452'-3008'	
																		Yeso	3770'-4110'	CIBP @3726'
																			6128'-6136'	CIBP @ 6116'
																				w/ 35' cmt on top
27 Washington 33 State	BP America Prod Co.	815 FSL & 2525 FEL	33	17 S	28 E	Oil	8/22/78	11.000	8 5/8"	778	250	0.66	3.934	419	CIRC @DV	6405	6019	Shallow Sd	1541'-2212'	Formally EAU H-312
30-015-22605								11.000	8 5/8 DV tool @	419	300	0.66	3.934	surface	CIRC			San Andres	2468'-3032'	
								7.875	5 1/2"	6405	555	0.66	5.772	3978	CIRC @DV			Yeso	3778'-4082'	RBP @ 3700
									5 1/2 DV tool @	3978	1000	0.66	5.772	600	Temp Survey			Abo Reef	6058'-6072'	CIBP @ 6054
																				w/ 35' cmt on top
28 Washington 33 State	BP America Prod Co.	313 FSL & 2490 FEL	33	17 S	28 E	Oil	4/27/77	11.000	8 5/8"	550	275	0.66	3.934	surface	CIRC	6362	5880	Shallow Sd	2508'-3074'	Formally EAU H-311
30-015-22124			33	17 S	28 E	Oil		7.875	5 1/2"	6362	300	0.66	5.772	4550	CBL			Yeso	3782'-3966'	
									Remedial 5 1/2" Cmt	4399-4400	1100	0.66	5.772	surface	CIRC			Abo Reef	6044'-6054'	CIBP @ 5880'
																				w/ 35' cmt on top
30 Washington 33 State	BP America Prod Co.	750 FSL & 1150 FEL	33	17 S	28 E	Oil	3/28/78	11.000	8 5/8"	600	300	0.66	3.934	surface	CIRC	6290	6147	Shallow Sd	1658'-2266'	Formally EAU H-322
30-015-22465								7.875	5 1/2"	6262	475	0.66	5.772	4453	calc			San Andres	2480'-2978'	
									5 1/2 DV tool @	3009	800	0.66	5.772	surface	CIRC			Abo Reef	6150'-6160'	CIBP @ 6094'
																				w/ 35' cmt on top
Delhi-State A #1	Devon Energy Co	990 FNL & 980 FWL	33	17 S	28 E	Oil	3/6/60	12.25	8 5/8"	907	300	0.66	2.423	surface	CIRC	6084	6016	Abo Reef	5890'-5930'	
30-015-01677								7.88	4 1/2"	6052	950	0.66	4.382	surface	CIRC					
30 Empire Abo Unit G	BP America Prod Co.	1980 FSL & 1980 FWL	33	17 S	28 E	Oil	3/27/60	11.000	8 5/8"	959	450	0.66	3.934	surface	CIRC	6254	6177	Abo Reef	5648'-5736'	CIBP @ 5598'
30-015-01686								7.875	4 1/2"	6210	700	0.66	5.772	2376	Temp Survey					
									Remedial SQ Holes@2350	2350	600	0.66	5.772	surface	CIRC					
29 Empire Abo Unit G	BP America Prod Co.	1980 FSL & 660 FWL	33	17 S	28 E	Oil	4/24/60	11.000	8 5/8"	1000	750	0.66	3.934	surface	CIRC	6200	6162	Abo Reef	5956'-6154'	
30-015-01688								7.875	4 1/2"	6200	800	0.66	5.772	1510	Temp Survey					
30 Empire Abo Unit F	BP America Prod Co.	1980 FNL & 1980 FWL	33	17 S	28 E	Oil	5/4/60	11.000	8 5/8"	1000	450	0.66	3.934	surface	CIRC	6155	6116	Abo Reef	6046'-6080'	CIBP @ 6000'
30-015-01689								7.875	4 1/2"	6155	800	0.66	5.772	2550	Temp Survey				6064'-6080'	
									Remedial SQ Holes@2350	2350	775	0.66	5.772	surface	Calc					

Tabulation of Data on Wells in Area of Review
Washington 33 State Lease Waterflood
Referance State Form C-108 Item VI Attachment

Lease & Well Number / API Number	Operator	Location	Sec.	Twn.	Rg	Type	Date Spud	Hole Size	Casing	Casing Depth Ft	Cmt Volume Sx	Cmt Yld Ft3/Sx	Annular Space Ft/Ft3	TOC Feet From Surface	TOC How measured	Well Depth TD	Well Depth PBTD	Completion Zone	Perfs	Comment
31 Empire Abo Unit F	BP America Prod Co.	1980 FNL & 2130 FEL	33	17 S	28 E	Oil	5/18/60	11.000	8 5/8"	1000	650	0.66	3.934	surface	CIRC	6175	6154	Abo Reef	5734'-5796'	
30-015-01692								7.875	4 1/2"	6175	800	0.66	5.772	1310	CBL					
									Remedial SQ Holes@1248	1248	250	0.66	5.772	surface	CIRC					
30 Empire Abo Unit E	BP America Prod Co.	990 FNL & 1980 FWL	33	17 S	28 E	Oil	6/29/60	11.000	8 5/8"	1000	550	0.66	3.934	surface	CIRC	5930	5916	Abo Reef	5784'-5880'	
30-015-01697								7.875	4 1/2"	5930	1000	0.66	5.772	990	Temp Survey					
1 Geronimo 33 State	Dominion Ok TX	1700 FNL & 1980 FWL	33	17 S	28 E	Gas	5/14/00	17.50	13 3/8"	546	450	0.66	1.440	surface	CIRC	10600	10514	Wolfcamp	7215'-8234'	
30-015-31044								12.25	9 5/8"	2703	1100	0.66	3.193	surface	CIRC			Strawn	9528'-9534'	
								8.75	5 1/2"	10599	1100	0.66	3.959	surface	CIRC			Morrow	10287'-10295'	
2 Geronimo 33 State	Dominion Ok TX	660 FNL & 660 FEL	33	17 S	28 E	Oil	11/26/00	17.50	13 3/8"	525	680	0.66	1.440	surface	CIRC	10600	7215	Wolfcamp	7066'-7206'	
30-015-31373								12.25	9 5/8"	2700	895	0.66	3.193	surface	CIRC					
								7.875	5 1/2"	10600	2230	0.66	5.772	2105	calc					Tied back to 9 5/8
33 Empire Abo Unit F	BP America Prod Co.	1965 FNL & 330 FWL	34	17 S	28 E	Oil	3/12/60	11.000	8 5/8"	1240	650	0.66	3.934	surface	CIRC	6307	6272	Abo Reef	6184'-6218'	CIBP @ 6165'
30-015-01718								7.875	4 1/2"	6307	850	0.66	4.390	1500	Reported				6244'-6254'	
									Remedial 4 1/2" Cmt	1376	400	0.66	4.350	surface	CIRC					
332 Empire Abo Unit F	BP America Prod Co.	2582 FNL & 150 FWL	34	17 S	28 E	Oil	12/18/76	11.000	8 5/8"	643	225	0.66	3.934	59	calc	6369	6313	Abo Reef	6214'-6237'	
30-015-21962								11.000	Remedial 8 5/8" Cmt	59	2 yd			surface	Visual					
								7.875	5 1/2"	6368	1235	0.66	5.772	surface	CIRC					
303 Empire Abo Unit H	BP America Prod Co.	800 FSL & 1340 FWL	33	17 S	28 E	Oil	11/17/78	11.000	8 5/8"	600	400	0.66	3.934	surface	CIRC	6371	6271	Abo Reef	6195'-6220'	CIBP @ 6180'
30-015-22634								7.875	5 1/2" @ 6325' w/1500 sx	6325	1500	0.66	5.772	surface	CIRC					

Note: Cmt Yld is estimated to be 50% of Class C neat yield of 1.32

Tabulation of Data on Wells in Area of Review: Plugged Well Schematics
Washington 33 State Lease Waterflood
Referance State Form C-108 Item VI Attachment

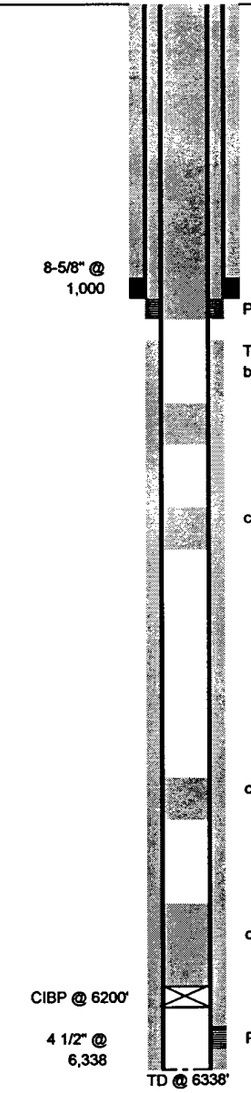


Martin Yates State 5

Elevation:				**Status:**	P&A
KB:				**Zone:**	Yates
Meas. TD:	2,113			**Interval:**	
TVD:	2,113				
PBD:				**API:**	30-015-01678
Surf. Loc:	1,980	FNL		**Field:**	Artesia
	1,980	FEL			
Sec:	33			**Operator:**	Atlantic Richfield
Twn:	17	S		**County:**	Eddy
Range:	28	E		**State:**	NM

Casing	Weight	Depth	Cmt Sx	Hole	TOC
8-5/8		515	50	10"	280'
4-1/2		1,940	100	8"	676

Yates
OH 1937'-2113'



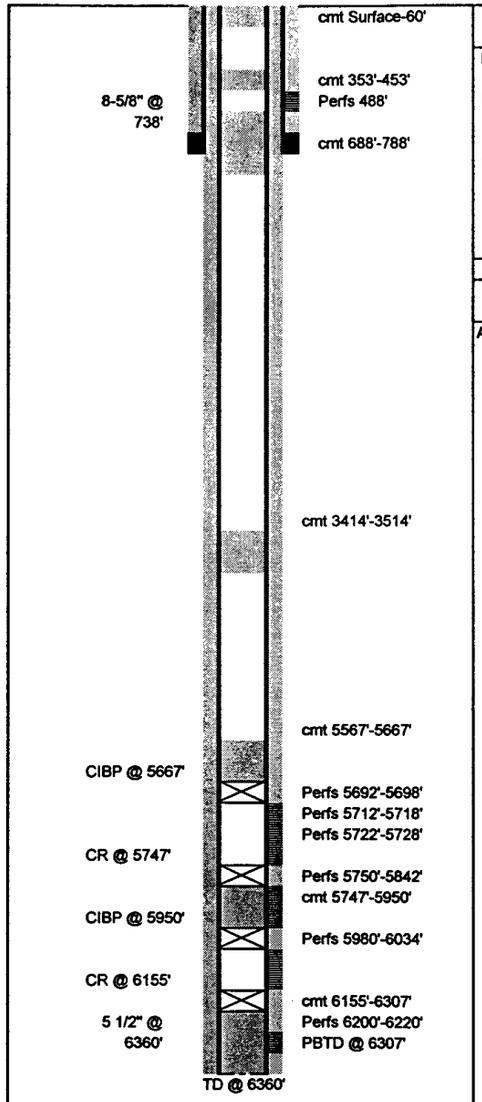
Empire Abo Unit H #31

Elevation:				**Status:**	P&A
KB:				**Zone:**	Abo
Meas. TD:	6,338			**Interval:**	
TVD:	6,338				
PBD:	6,308			**API:**	30-015-01699
Surf. Loc:	973	FSL		**Field:**	Empire
	1,980	FEL			
Sec:	33			**Operator:**	BP America
Twn:	17	S		**County:**	Eddy
Range:	28	E		**State:**	NM

Casing	Weight	Depth	Cmt Sx	Hole	TOC
8-5/8		1,000	550	11	Surface
4-1/2	36&40 J55	6,338	1000	7-7/8	1,040

ABO
Perfs: 6233'-6257'
Yates
Perfs: 1010'

Tabulation of Data on Wells in Area of Review: Plugged Well Schematics
Washington 33 State Lease Waterflood
Referance State Form C-108 Item VI Attachment

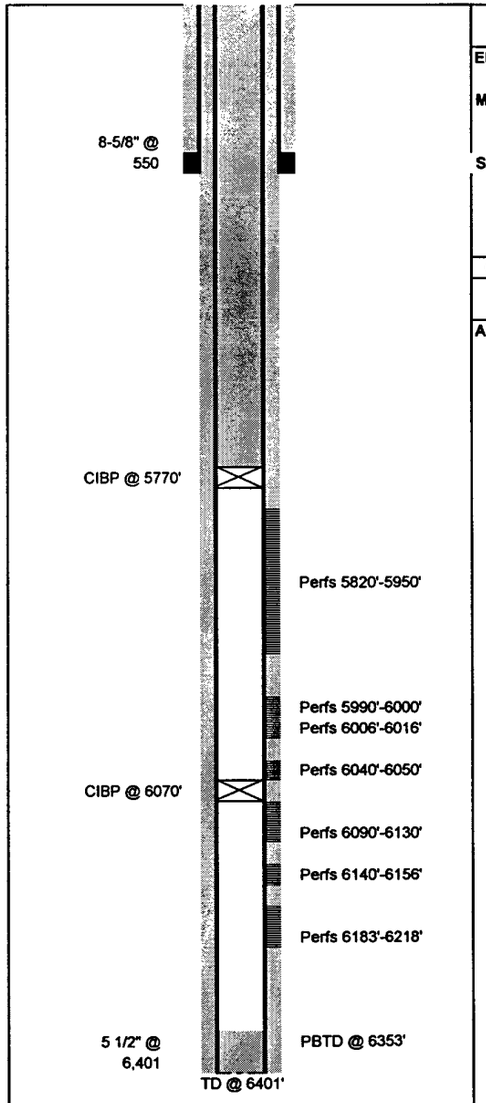


Empire Abo Unit G #313

Elevation:			Status:	P&A	
KB:			Zone:	Abo	
Meas. TD:	6,360		Interval:		
TVD:	6,360				
PBD:	6,307		API:	30-015-22592	
Surf. Loc:	2,000	FSL	Field:	Empire	
	2,450	FEL			
Sec:	33		Operator:	BP America	
Twn:	17	S	County:	Eddy	
Range:	28	E	State:	NM	

Casing	Weight	Depth	Cmt Sx	Hole	TOC	
8-5/8	24	738	300	11	Surface	
5-1/2	15.5	6,360	1595	7-7/8	Surface	Circ

Abo
Perfs 5692'-5698'
5712'-5718'
5722'-5728'
5750'-5842'
5980'-6034'
6200'-6220'



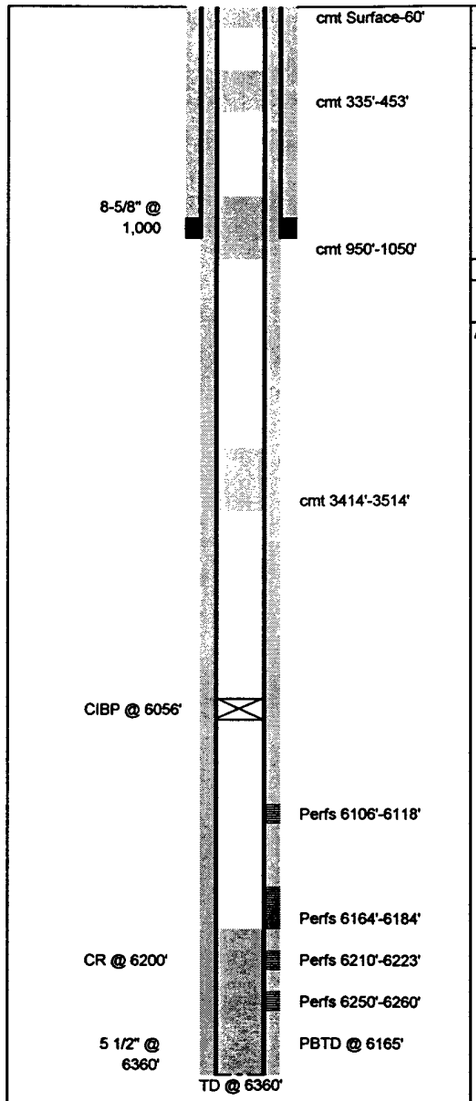
Empire Abo Unit G #321

Elevation:			Status:	P&A	
KB:			Zone:	Abo	
Meas. TD:	6,401		Interval:		
TVD:	6,401				
PBD:	6,353		API:	30-015-21769	
Surf. Loc:	1,520	FSL	Field:	Empire	
	250	FEL			
Sec:	33		Operator:	BP America	
Twn:	17	S	County:	Eddy	
Range:	28	E	State:	NM	

Casing	Weight	Depth	Cmt Sx	Hole	TOC	
8-5/8	24	550	200	11	Surface	
4-1/2	15.5	6,401	1500	7-7/8	Surface	Circ

ABO
Perfs: 5820'-5950'
5990'-6000'
6006'-6016'
6040'-6050'
6090'-6130'
6140'-6156'
6183'-6218'

Tabulation of Data on Wells in Area of Review: Plugged Well Schematics
Washington 33 State Lease Waterflood
Referance State Form C-108 Item VI Attachment

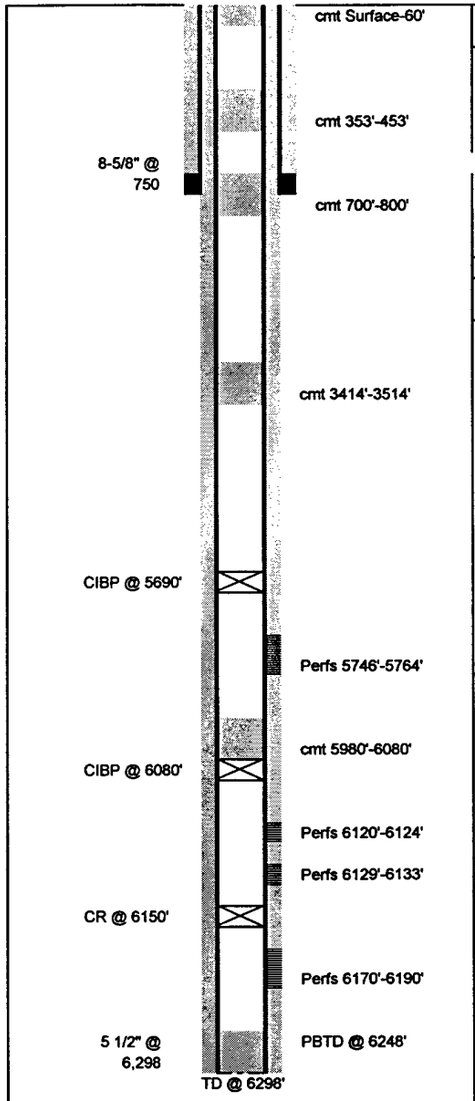


Empire Abo Unit G #311

Elevation:			**Status:**	P&A	
KB:			**Zone:**	Abo	
Meas. TD:	6,360		**Interval:**		
TVD:	6,360				
PBD:	6,165		**API:**	30-015-21538	
Surf. Loc:	1,350	FSL	**Field:**	Empire	
	1,430	FEL			
Sec:	33		**Operator:**	BP America	
Twn:	17	S	**County:**	Eddy	
Range:	28	E	**State:**	NM	

Casing	Weight	Depth	Cmt Sx	Hole	TOC	
8-5/8	24	1,000	475	11	Surface	Circ
5-1/2	14	6,360	1660	7-7/8	Surface	Circ

Abo
Perfs 6250'-6260'
6210'-6223'
6164'-6184'
6106'-6118'



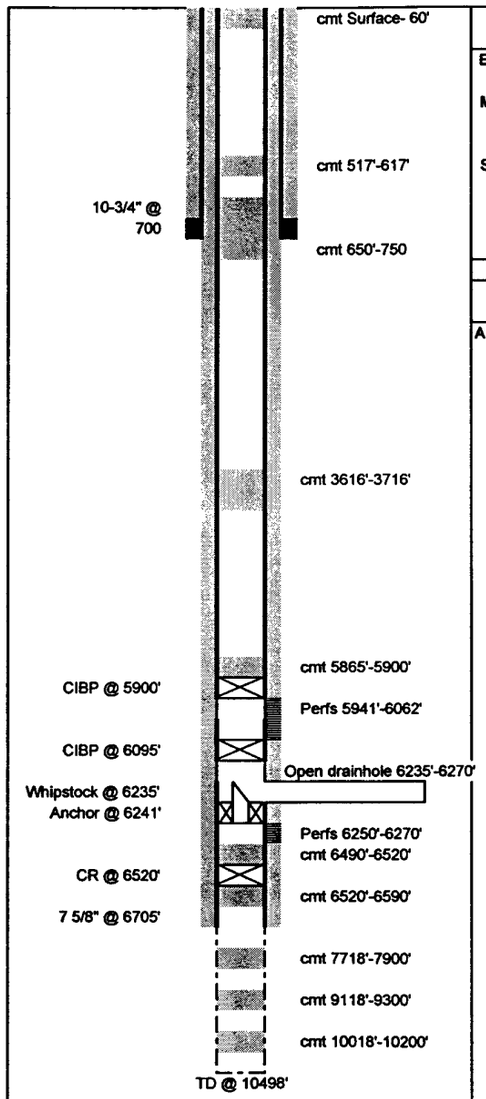
Empire Abo Unit H #302

Elevation:			**Status:**	P&A	
KB:			**Zone:**	Abo	
Meas. TD:	6,298		**Interval:**		
TVD:	6,298				
PBD:	6,248		**API:**	30-015-22604	
Surf. Loc:	1,250	FSL	**Field:**	Empire	
	1,925	FWL			
Sec:	33		**Operator:**	BP America	
Twn:	17	S	**County:**	Eddy	
Range:	28	E	**State:**	NM	

Casing	Weight	Depth	Cmt Sx	Hole	TOC	
8-5/8	24	750	450	11	Surface	Circ
4-1/2	15.5	6,283	1590	7-7/8	Surface	Circ

ABO
Perfs: 5746'-5764'
6120'-6124'
6129'-6133'
6170'-6190'

Tabulation of Data on Wells in Area of Review: Plugged Well Schematics
Washington 33 State Lease Waterflood
Referance State Form C-108 Item VI Attachment

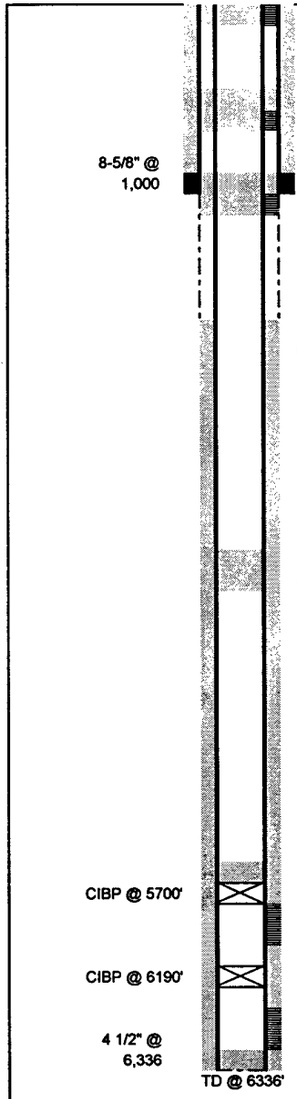


Empire Abo Unit G #301

Elevation:			Status:	P&A	
KB:			Zone:	Abo	
Meas. TD:	10,498		Interval:		
TVD:	10,498				
PBD:	6,280		API:	30-015-21891	
Surf. Loc:	1,315	FSL	Field:	Empire	
	1,315	FWL			
Sec:	33		Operator:	BP America	
Twn:	17	S	County:	Eddy	
Range:	28	E	State:	NM	

Casing	Weight	Depth	Cmt Sx	Hole	TOC	
10-3/4		700	410	13-3/4	Surface	Circ
7-5/8		6,705	1450	9-1/2	Surface	Circ

Abo
Perfs 5941'-6062'
6250'-6270'



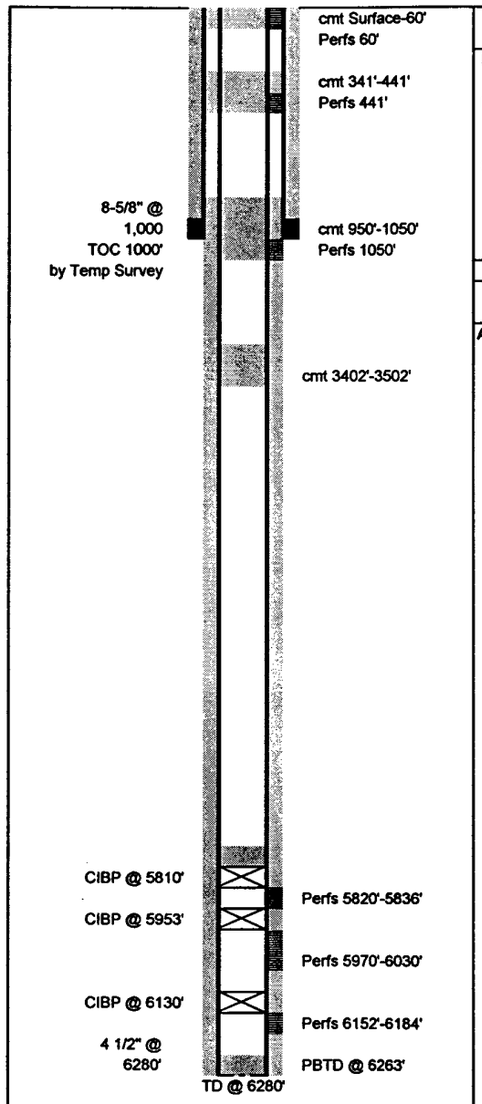
Empire Abo Unit G #31

Elevation:			Status:	P&A	
KB:			Zone:	Abo	
Meas. TD:	6,336		Interval:		
TVD:	6,336				
PBD:	6,285		API:	30-015-01691	
Surf. Loc:	1,980	FSL	Field:	Empire	
	1,980	FEL			
Sec:	33		Operator:	BP America	
Twn:	17	S	County:	Eddy	
Range:	28	E	State:	NM	

Casing	Weight	Depth	Cmt Sx	Hole	TOC	
8-5/8		1,000	550	11	Surface	Circ
4-1/2		6,336	800	7-7/8	2,220	

ABO
Perfs: 5754'-5800'
6230'-6246'
6254'-6266'

Tabulation of Data on Wells in Area of Review: Plugged Well Schematics
Washington 33 State Lease Waterflood
Referance State Form C-108 Item VI Attachment

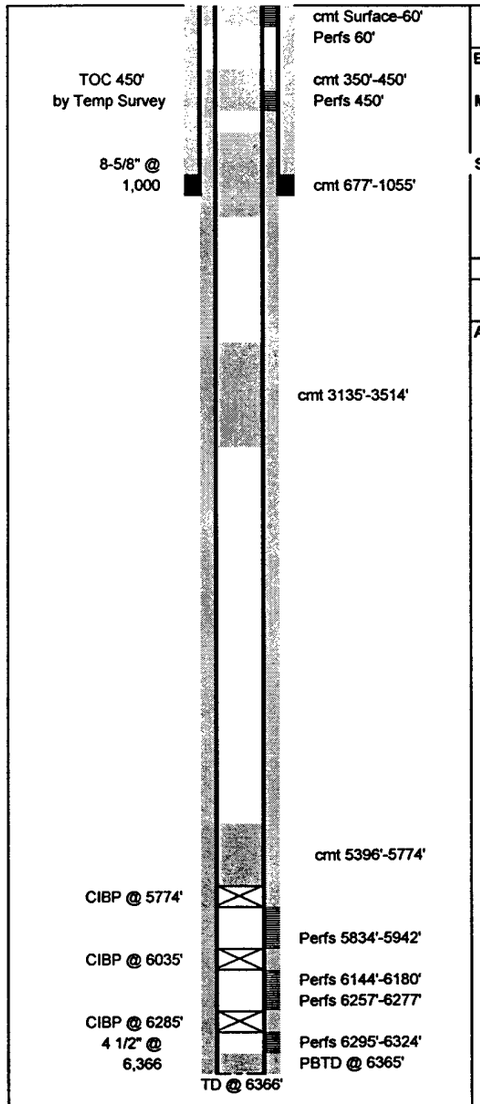


Empire Abo Unit F #32

Elevation:				**Status:**	P&A
KB:				**Zone:**	Abo
Meas. TD:	6,280			**Interval:**	
TVD:	6,280				
PBD:	6,263			**API:**	30-015-01694
Surf. Loc:	1,980	FNL		**Field:**	Empire
	660	FEL			
Sec:	33			**Operator:**	BP America
Twn:	17	S		**County:**	Eddy
Range:	28	E		**State:**	NM

Casing	Weight	Depth	Cmt Sx	Hole	TOC
8-5/8		1,000	550	11	Surface
4-1/2		6,280	1000	7-7/8	1000'

Abo
Perfs 5820'-5836'
5970'-6030'
6152'-6184'



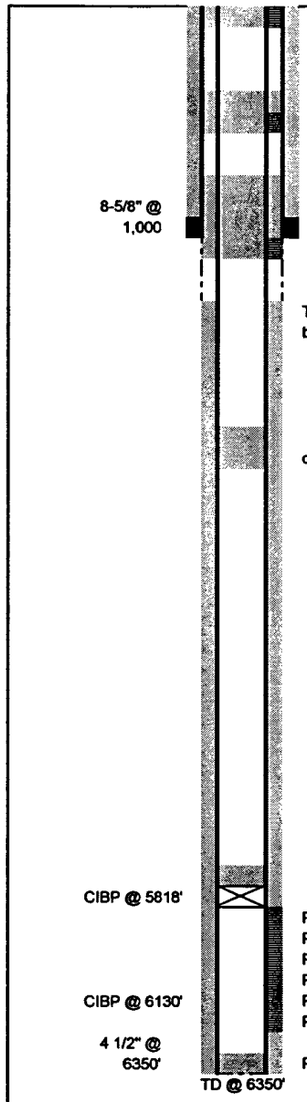
Empire Abo Unit G #32

Elevation:				**Status:**	P&A
KB:				**Zone:**	Abo
Meas. TD:	6,366			**Interval:**	
TVD:	6,366				
PBD:	6,365			**API:**	30-015-01693
Surf. Loc:	1,980	FSL		**Field:**	Empire
	660	FEL			
Sec:	33			**Operator:**	BP America
Twn:	17	S		**County:**	Eddy
Range:	28	E		**State:**	NM

Casing	Weight	Depth	Cmt Sx	Hole	TOC	
8-5/8		1,000	650	11	Surface	Circ
4-1/2		6,366	1000	7-7/8	450	

ABO
Perfs: 5834'-5942'
6144'-6180'
6257'-6277'
6295'-6324'

Tabulation of Data on Wells in Area of Review: Plugged Well Schematics
Washington 33 State Lease Waterflood
Referance State Form C-108 Item VI Attachment

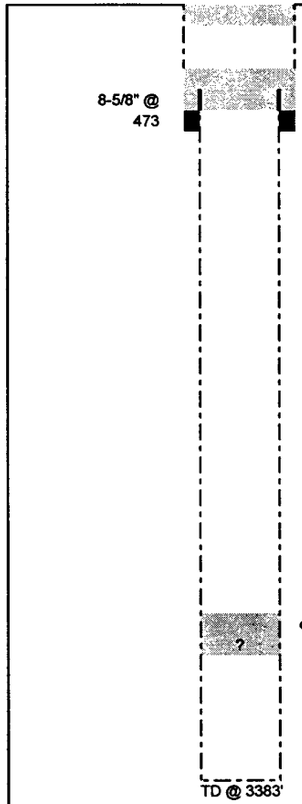


Empire Abo Unit E #31

Elevation:			Status:	P&A	
KB:			Zone:	Abo	
Meas. TD:	6,350		Interval:		
TVD:	6,350				
PBD:	6,275		API:	30-015-01698	
Surf. Loc:	973	FNL	Field:	Empire	
	1,980	FEL			
Sec:	33		Operator:	BP America	
Twn:	17	S	County:	Eddy	
Range:	28	E	State:	NM	

Casing	Weight	Depth	Cmt Sx	Hole	TOC	
8-5/8		1,000	350	11	Surface	Circ
4-1/2		6,350	1050	7-7/8	1,710	

Abo
Perfs 5868'-5873'
5883'-5898'
5936'-5940'
5970'-5974'
5950'-5954'
5994'-6008'

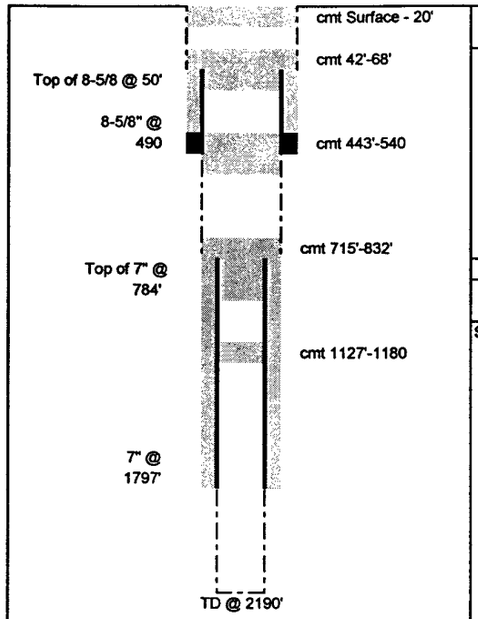


Carper Levers #1

Elevation:			Status:	P&A	
KB:			Zone:		
Meas. TD:	3,383		Interval:		
TVD:	3,383				
PBD:			API:	30-015-01704	
Surf. Loc:	2,380	FSL	Field:	Artesia	
	330	FWL			
Sec:	34		Operator:	Phillips N. Gordon	
Twn:	17	S	County:	Eddy	
Range:	28	E	State:	NM	

Casing	Weight	Depth	Cmt Sx	Hole	TOC
8-5/8		473	50	12-1/4	390

Tabulation of Data on Wells in Area of Review: Plugged Well Schematics
Washington 33 State Lease Waterflood
Referance State Form C-108 Item VI
Attachment

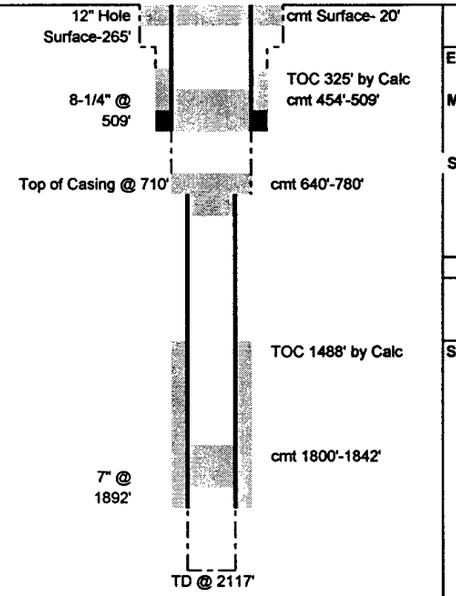


Martin Yates #1

Elevation:		**Status:**	P&A
KB:		**Zone:**	San Andres
Meas. TD:	2,190	**Interval:**	
TVD:	2,190		
PBD:		**API:**	30-015-01680
Surf. Loc:	2,310 FSL	**Field:**	Artesia
	2,310 FEL		
Sec:	33	**Operator:**	Sinclair Oil & Gas
Twn:	17 S	**County:**	Eddy
Range:	28 E	**State:**	NM

Casing	Weight	Depth	Cmt Sx	Hole	TOC	
8-5/8		490			50	free pt
7		1,797			784	free pt

San Andres
OH 1797'-2190'



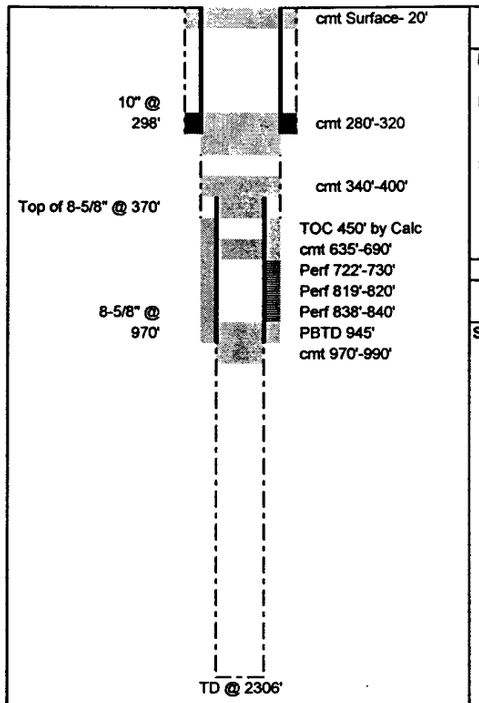
Martin Yates #4

Elevation:		**Status:**	P&A
KB:		**Zone:**	San Andres
Meas. TD:	2,117	**Interval:**	
TVD:	2,117		
PBD:		**API:**	30-015-01683
Surf. Loc:	1,650 FSL	**Field:**	Artesia
	1,650 FEL		
Sec:	33	**Operator:**	Atlantic Richfield
Twn:	17 S	**County:**	Eddy
Range:	28 E	**State:**	NM

Casing	Weight	Depth	Cmt Sx	Hole	TOC	
8-5/4	32	509	50	10	325	Calc
7	24	1,892	50	8	1,488	Calc

San Andres
OH 1892'-2117'

Tabulation of Data on Wells in Area of Review: Plugged Well Schematics
Washington 33 State Lease Waterflood
Referance State Form C-108 Item VI Attachment

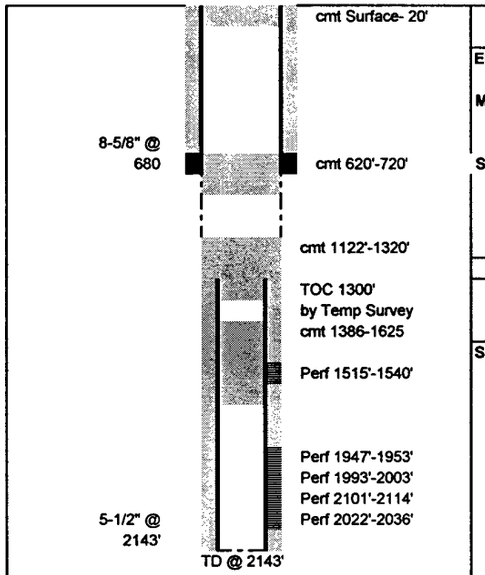


Martin Yates #2

Elevation:		**Status:**	P&A
KB:		**Zone:**	San Andres
Meas. TD:	2,306	**Interval:**	
TVD:	2,306		
PBD:	945	**API:**	30-015-01681
Surf. Loc:	FSL	**Field:**	Artesia
	2,310 FEL		
Sec:	33	**Operator:**	Atlantic Richfield
Twn:	17 S	**County:**	Eddy
Range:	28 E	**State:**	NM

Casing	Weight	Depth	Cmt Sx	Hole	TOC	
10		298	0			
8-5/8		970	200	11	450	Calc

San Andres
OH 1152'-2306'



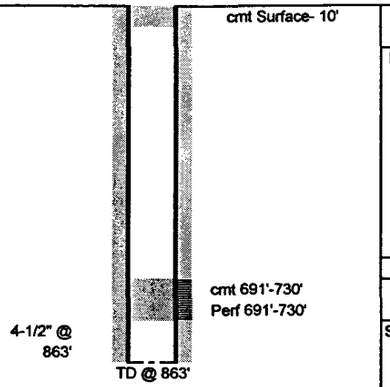
Martin Yates #6

Elevation:		**Status:**	P&A
KB:		**Zone:**	San Andres
Meas. TD:	2,143	**Interval:**	
TVD:	2,143		
PBD:		**API:**	30-015-01679
Surf. Loc:	1,650 FSL	**Field:**	Artesia
	990 FWL		
Sec:	33	**Operator:**	Atlantic Richfield
Twn:	17 S	**County:**	Eddy
Range:	28 E	**State:**	NM

Casing	Weight	Depth	Cmt Sx	Hole	TOC	
8-5/8	24	680	250	11	Surface	Circ
5-1/2	15.5	2,143	150	7-7/8	1,300	

San Andres
Perfs 1515'-1540'
1947'-1953'
1993'-2003'
2101'-2114'
2022'-2036'

Tabulation of Data on Wells in Area of Review: Plugged Well Schematics
Washington 33 State Lease Waterflood
Referance State Form C-108 Item VI Attachment



Delhi State #1

Elevation:			**Status:**	P&A	
KB:			**Zone:**		
Meas. TD:	863		**Interval:**	Seven Rivers	
TVD:	863				
PBD:			**API:**	30-015-01676	
Surf. Loc:	990	FNL	**Field:**	Empire	
	990	FWL			
Sec:	33		**Operator:**	Beal Operating Co.	
Twn:	17	S	**County:**	Eddy	
Range:	28	E	**State:**	NM	

Casing	Weight	Depth	Cmt Sx	Hole	TOC
4-1/2		863	250	8	surface

Seven Rivers

Perf	691'-696'
	704'-708'
	713'-717'
	726'-730'

Proposed Operation
Washington 33 State Lease Waterflood
Reference: State Form C-108 Item VII, Attachment.

This application, for one injection well, is intended to determine the viability of injecting into the multiple layers of the Artesia Pool reservoir simultaneously.

1. Proposed Injection Rate:

The maximum daily injection rate is expected to be 1000 BWPD, with the average daily injection rate expected to be 500 BWPD.

2. System configuration:

The injection system will be closed.

3. Proposed injection pressure:

The maximum injection pressure will be limited to 0.2 psi/foot of depth to the uppermost injection perforation. Therefore, the system will be controlled such that maximum injection pressure will not exceed 290 psig. The maximum and average injection pressures are expected to be the same.

If necessary, a step rate test will be performed and request made to the Oil Conservation Division for higher injection pressure.

4. Sources of injection fluids:

All of the produced water will be reinjected. In addition, produced water from the SDX Resources operated North West Artesia Unit and the BP America operated Empire Abo Unit will be utilized as make up water for the injection project. Water analysis for the respective injection waters are attached and a compatibility analysis for the Abo produced water is included. As shown in analysis, a mixture of at least 30:60 Empire to Washington water will result in an elimination of sulfate scaling tendencies. The degradation of carbonate scaling tendencies is felt to be within acceptable limits for this acid soluble scale.

Injection Zone Geology
Washington 33 State Lease Waterflood
Reference: State Form C-108 Item VIII, Attachment.

Formation tops as picked in the Washington 33 #12 well:

Formation	Depth (MD)	Thickness
Rustler	475'	75'
Yates	550'	125'
Seven Rivers	675'	585'
Queen	1260'	435'
Grayburg	1695'	305'
San Andres	2000'	1520'
Glorieta	3520'	110'
Paddock	3630' (= Top Yeso)	
TD	4000'	

A bridge plug at 3557' isolates the Paddock. The two open perforated intervals, 1449' to 2107' and 2372' to 2928', are within the Queen, Grayburg and San Andres formations. In this area the Queen is mainly limestone, and the Grayburg and San Andres are mainly dolomite. Rare, thin clastic intervals of sand and shale are scattered through the Queen, Grayburg and San Andres.

Fresh water is found in the Triassic Sand. The base of the water is estimated to be 350 feet in this area of the Field. There are no known fresh water sands located below the injection interval.

Injection Well Stimulation Program
Washington 33 State Lease Waterflood
Reference: State Form C-108 Item IX, Attachment.

The Washington 33 State Lease Well #12 was original stimulated as detailed in C-105 Well Completion Reports or C-103 Sundry Notices found in the Commission file. There are no present plans to restimulate the well.

Fresh Water Data
Washington 33 State Lease Waterflood
Reference: State Form C-108 Item XI, Attachment.

Attached are water analyses of the closest known active fresh water wells. These wells are located on the area of review map and range from 1.1 to 1.4 miles in distance to the proposed injection well.

BAKER HUGHES
Baker Petrolite

Analysis: 36266

Water Analysis Report from Baker Petrolite

Summary of Mixing Waters		
Sample Number	**36113**	**36116**
Company	B P AMERICA PRODUCTION	B P AMERICA PRODUCTION
Lease	EMPIRE ABO	WASHINGTON 33 STATE
Well	C 49	BATTERY
Sample Location	WATER TANK	WATER TRANSFER
Anions (mg/L)		
Chloride	32,419	112,379
Bicarbonate	581	290
Carbonate	0.00	0.00
Sulfate	2,525	3,775
Phosphate	0.00	0.00
Borate	0.00	0.00
Silicate	0.00	0.00
Cations (mg/L)		
Sodium	19,015	68,953
Magnesium	559	1,055
Calcium	2,072	3,348
Strontium		
Barium		
Iron		0.50
Potassium	0.00	0.00
Aluminum	0.00	0.00
Chromium	0.00	0.00
Copper	0.00	0.00
Lead	0.00	0.00
Manganese	0.00	0.00
Nickel	0.00	0.00
Anion/Cation Ratio	***1.00***	***1.00***
TDS (mg/L)	57,171	189,801
Density (g/cm)	1.03	1.11
Sampling Date	9/20/04	9/22/04
Account Manager	WAYNE PETERSON	WAYNE PETERSON
Analyst	WAYNE PETERSON	WAYNE PETERSON
Analysis Date	9/24/04	9/24/04
pH at time of sampling	7.80	7.40
pH at time of analysis		
pH used in Calculations	**7.80**	**7.40**

BAKER HUGHES
Baker Petrolite

Analysis: 36266

Water Analysis Report from Baker Petrolite

Mixes at 100°F and 0 psi

Predictions of Carbon Dioxide Pressure, Saturation Index and Amount of Scale in lb/1000bbl

Mix Waters		CO_2	Calcite $CaCO_3$		Gypsum $CaSO_4 \cdot 2H_2O$		Anhydrite $CaSO_4$		Celestite $SrSO_4$		Barite $BaSO_4$	
36113	36116	psi	Index	Amount	Index	Amount	Index	Amount	Index	Amount	Index	Amount
0%	100%	0.15	1.08	26.0	-0.02		0.07	188	N/A		N/A	
10%	90%	0.15	1.12	30.0	-0.04		0.04	114	N/A		N/A	
20%	80%	0.15	1.16	34.1	-0.06		0.02	44	N/A		N/A	
30%	70%	0.15	1.20	38.4	-0.08		-0.01		N/A		N/A	
40%	60%	0.15	1.23	43.0	-0.10		-0.03		N/A		N/A	
60%	40%	0.15	1.30	52.9	-0.12		-0.07		N/A		N/A	
70%	30%	0.15	1.34	58.5	-0.13		-0.09		N/A		N/A	
80%	20%	0.15	1.38	64.6	-0.13		-0.10		N/A		N/A	
90%	10%	0.15	1.43	71.3	-0.13		-0.10		N/A		N/A	
100%	0%	0.14	1.50	79.9	-0.11		-0.09		N/A		N/A	

Note 1: The amount of scale indicates the severity of the problem. The saturation index (SI) indicates how difficult it is to control the problem.

Note 2: Precipitation of each scale is considered separately. Total scale will be less than the sum of the amounts of the five scales.

Note 3: The reported CO_2 pressure is the calculated CO_2 fugacity. It is usually nearly the same as the CO_2 partial pressure.

BAKER HUGHES

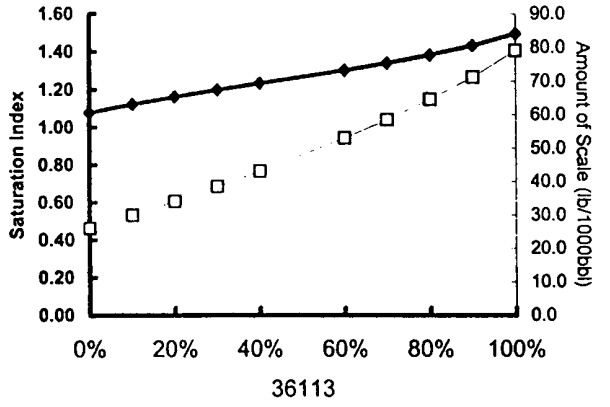
Baker Petrolite

Mixture Predictions from Baker-Petrolite

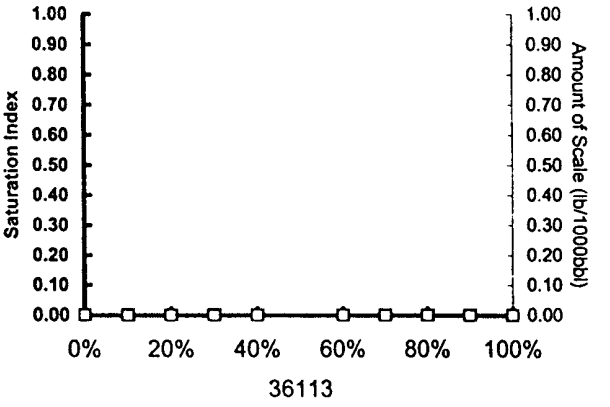
Analysis: 36266

36113 with 36116 at 100°F and 0 psi

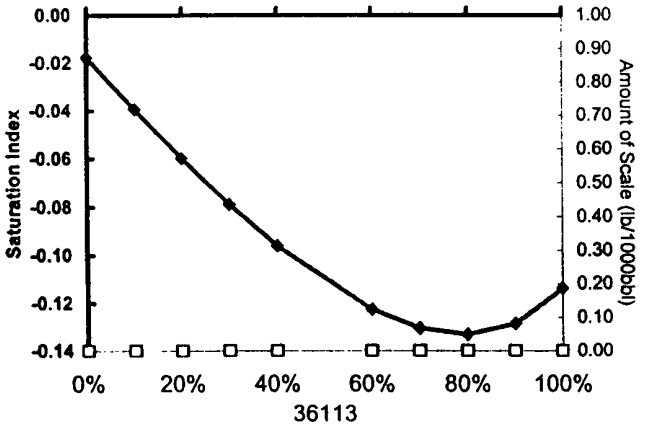
Calcite - $CaCO_3$



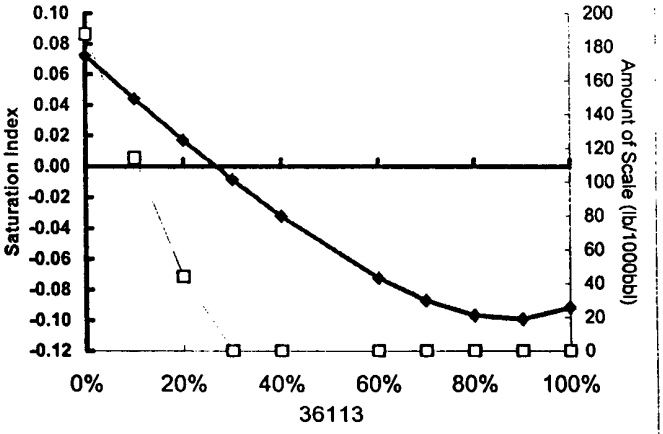
Barite - $BaSO_4$



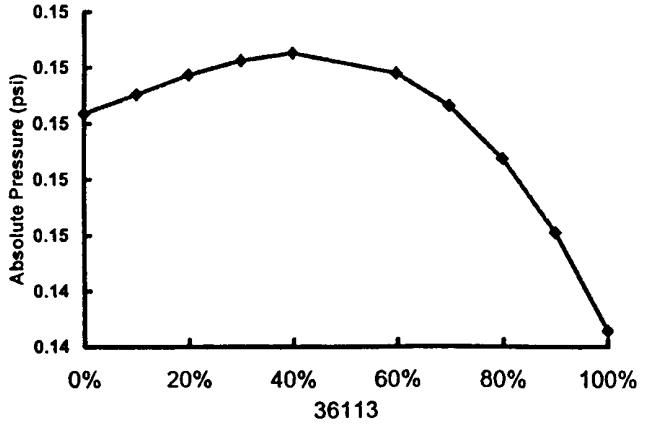
Gypsum - $CaSO_4 2H_2O$



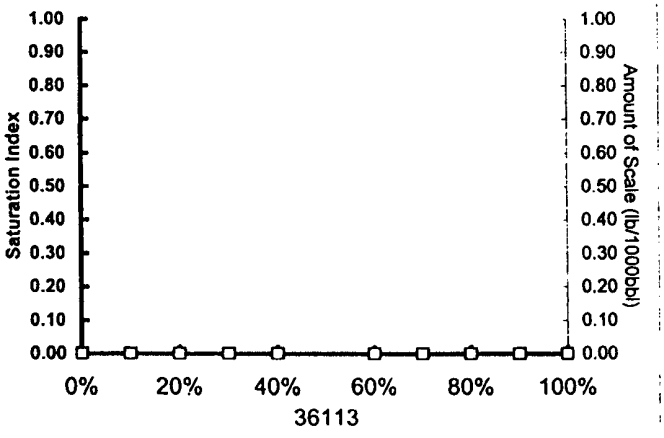
Anhydrite - $CaSO_4$



Carbon Dioxide Partial Pressure



Celestite - $SrSO_4$



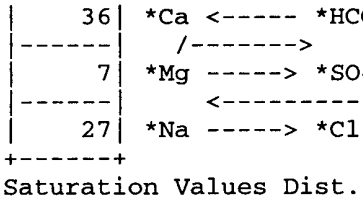
WATER ANALYSIS REPORT

Company	: BP America	Date	: 2 Dec 04
Address	: Artesia, NM	Date Sampled	: 19 Nov 04
Lease	: Depco Road	Analysis No.	:
Well	: Water Well		
Sample Pt.	: Well Head		

	ANALYSIS		mg/L		* meq/L
1.	pH	7.0			
2.	H2S	0.0			
3.	Specific Gravity	0.95			
4.	Total Dissolved Solids		3995.7		
5.	Suspended Solids		N/R		
6.	Dissolved Oxygen		1.2		
7.	Dissolved CO2		0.0		
8.	Oil In Water		N/R		
9.	Phenolphthalein Alkalinity (CaCO3)				
10.	Methyl Orange Alkalinity (CaCO3)				
11.	Bicarbonate	HCO3	83.0	HCO3	1.4
12.	Chloride	Cl	2172.0	Cl	61.3
13.	Sulfate	SO4	325.0	SO4	6.8
14.	Calcium	Ca	724.0	Ca	36.1
15.	Magnesium	Mg	82.1	Mg	6.8
16.	Sodium (calculated)	Na	609.7	Na	26.5
17.	Iron	Fe	0.0		
18.	Barium	Ba	N/R		
19.	Strontium	Sr	N/R		
20.	Total Hardness (CaCO3)		2145.9		

PROBABLE MINERAL COMPOSITION

*milli equivalents per Liter



Saturation Values Dist. Water 20 C

CaCO3	13 mg/L
CaSO4 * 2H2O	2090 mg/L
BaSO4	2.4 mg/L

Compound	Equiv wt	X meq/L	= mg/L
Ca(HCO3)2	81.0	1.4	110
CaSO4	68.1	6.8	461
CaCl2	55.5	28.0	1554
Mg(HCO3)2	73.2		
MgSO4	60.2		
MgCl2	47.6	6.8	321
NaHCO3	84.0		
Na2SO4	71.0		
NaCl	58.4	26.5	1550

REMARKS:

Baker Petrolite

Respectfully submitted,
W.C. Peterson

WATER ANALYSIS REPORT

Company	: BP America	Date	: 2 Dec 04
Address	: Artesia, NM	Date Sampled	: 19 Nov 04
Lease	: Empire Abo Unit	Analysis No.	:
Well	: Water Line		
Sample Pt.	: At Office		

	ANALYSIS		mg/L		* meq/L
1.	pH	7.0			
2.	H2S	0.0			
3.	Specific Gravity	0.95			
4.	Total Dissolved Solids		2704.0		
5.	Suspended Solids		N/R		
6.	Dissolved Oxygen		1.0		
7.	Dissolved CO2		0.0		
8.	Oil In Water		N/R		
9.	Phenolphthalein Alkalinity (CaCO3)				
10.	Methyl Orange Alkalinity (CaCO3)				
11.	Bicarbonate	HCO3	103.7	HCO3	1.7
12.	Chloride	Cl	1554.9	Cl	43.9
13.	Sulfate	SO4	75.0	SO4	1.6
14.	Calcium	Ca	752.0	Ca	37.5
15.	Magnesium	Mg	3.1	Mg	0.3
16.	Sodium (calculated)	Na	214.8	Na	9.3
17.	Iron	Fe	0.5		
18.	Barium	Ba	N/R		
19.	Strontium	Sr	N/R		
20.	Total Hardness (CaCO3)		1890.7		

PROBABLE MINERAL COMPOSITION

*milli equivalents per Liter

38	*Ca <----- *HCO3	2
	/------->	
0	*Mg -----> *SO4	2
	<---------/	
9	*Na -----> *Cl	44

Compound	Equiv wt	X meq/L	= mg/L
Ca(HCO3)2	81.0	1.7	138
CaSO4	68.1	1.6	106
CaCl2	55.5	34.3	1901
Mg(HCO3)2	73.2		
MgSO4	60.2		
MgCl2	47.6	0.3	12
NaHCO3	84.0		
Na2SO4	71.0		
NaCl	58.4	9.3	546

Saturation Values Dist. Water 20 C

CaCO3	13 mg/L
CaSO4 * 2H2O	2090 mg/L
BaSO4	2.4 mg/L

REMARKS:

Baker Petrolite

Respectfully submitted,
W.C. Peterson

Side 1

INJECTION WELL DATA SHEET

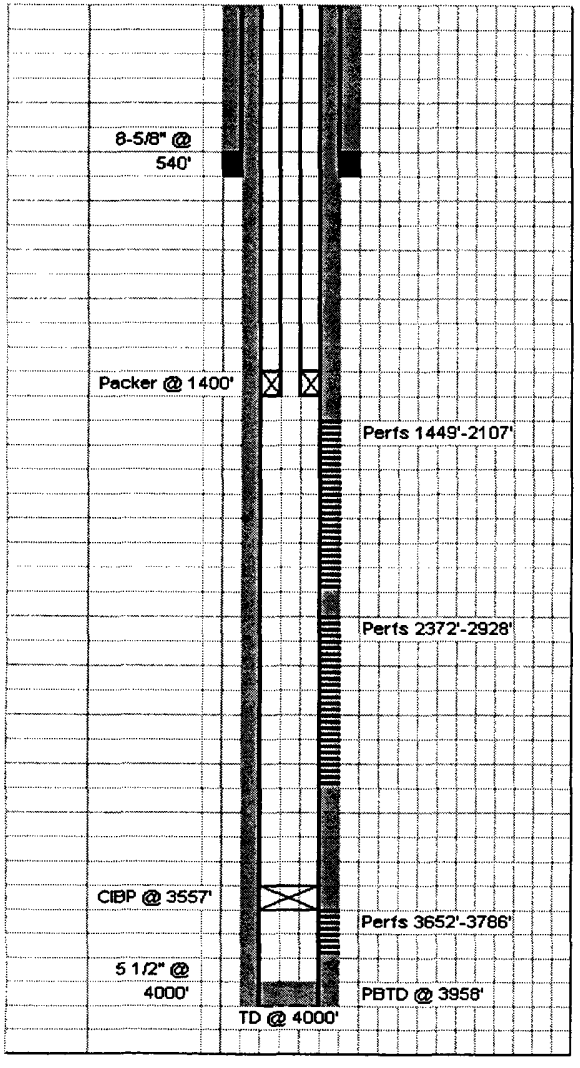
OPERATOR: BP America Production Company

WELL NAME & NUMBER: Washington 33 State Well # 12

WELL LOCATION: 2432' FNL & 2270' FEL | G | 33 | 17S | 28E

FOOTAGE LOCATION | UNIT LETTER | SECTION | TOWNSHIP | RANGE

WELLBORE SCHEMATIC



WELL CONSTRUCTION DATA

Surface Casing

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

Cemented with: 540 sx. *or* _____ ft^3

Top of Cement: SURF Method Determined: CIRC

Intermediate Casing

Hole Size: _____ Casing Size: _____

Cemented with: _____ sx. *or* _____ ft^3

Top of Cement: _____ Method Determined: _____

Production Casing

Hole Size: 7-7/8 Casing Size: 5-1/2

Cemented with: 810 sx. *or* _____ ft^3

Top of Cement: SURF Method Determined: CIRC

Total Depth: 4000'

Injection Interval

Perforated 1449 feet to 2928 feet

(Perforated or Open Hole; indicate which)

Side 2

INJECTION WELL DATA SHEET

Tubing Size: 2-3/8" Lining Material: PCID

Type of Packer: retrievable tension packer

Packer Setting Depth: 1400'

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: Queen , Grayburg, and San Andres

3. Name of Field or Pool (if applicable): Artesia Queen-Grayburg-San Andres Pool

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. Yes,

   Yeso perforated from 3652'-3786' closed by CIBP @ 3557'

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: 7 Rivers (695') above and Yeso (3618') below

Affidavit of Publication

NO. 18570

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 consecutive weeks/days on the same

day as follows:

First Publication August 10 2004

Second Publication

Third Publication

Fourth Publication

Gary D. Scott

Subscribed and sworn to before me this

17th Day September 2004

Barbara Ann Baros

Notary Public, Eddy County, New Mexico

My Commission expires September 23, 2007

Copy of Publication:

LEGAL NOTICE

LEGAL NOTICE

BP America Production Company proposes to file form C-108 (Application For Authorization To Inject) with the New Mexico Oil Conservation Division seeking administrative approval for a saltwater injection well. The proposed well, the Washington 33 State Well #12 is located 2432' FNL & 2270' FEL, Section 33 Township 17 South, Range 28 East, Eddy County, New Mexico. The well will inject water produced from oil and gas wells into the Artesia (Queen-Grayburg-San Andres) Pool formation at 1257' to 2962' at a maximum rate of 1000 barrels of water per day and a maximum pressure of 1500 psig. Interested parties opposing the action must file objections or requests for hearing with the Oil Conservation Division, 1220 South St. Francis Dr., Santa Fe, NM 87505 within 15 days. Additional information can be obtained by contacting BP America Production Company P.O. Box 3092 Houston, TX

LEGAL NOTICE

77253-3092 or by calling geologist Doug Tasker @ 281-366-5966 or engineer Karl Quezergue @218-366-4343.

Published in the Artesia Daily Press, Artesia, N.M. August 10, 2004, Legal 18570

STATE OF TEXAS

COUNTY OF HARRIS

BEFORE ME, the undersigned authority on this day personally appeared Sheryal Joseph, Permitting Representative, with **BP America Production Company**, who being by me duly sworn, deposes and states that the persons listed on the foregoing attached lists have been sent a copy on January 24, 2005, of the C-108 form, "Application for Authorization to Inject" into the Washington 33 State lease Well No. 12 in the Artesia Pool in Eddy County, New Mexico.

BP America Production Company

Sheryal Joseph

SUBSCRIBED AND SWORN TO before me on JAN. 24, 2005, to certify which witness my hand and seal of office.

HELEN K. ZAPALAC
Notary Public, State of Texas
Commission Expires 05-26-2006

NOTARY PUBLIC, STATE OF TEXAS

BP America Production Company
Permian Performance Unit
501 Westlake Park Blvd.
Houston, TX 77079

Phone: 281-366-2000

January 24, 2005

OFFSET OPERATORS
SURFACE OWNER
(List Attached)

Application for Authority to Inject
Washington 33 State Lease Well #12
Artesia Pool, Eddy County, New Mexico

Gentlemen / Ladies:

BP America Production Company is making application to the State of New Mexico Energy, Minerals, and Natural Resources Department, Oil Conservation Division, for permission to Inject produced water into the Washington 33 State Lease Well No. 12, Artesia Pool, Eddy County, New Mexico.

Attached you will find a copy of the application being filed with the Oil Conservation Division requesting their approval of the project.

If you have any questions or need any additional information, please do not hesitate to contact Mr. Bill Simpson at 281-366-0333.

Yours very truly,

Sheryal Joseph
Regulatory Analyst

Attachments
WCS:ws

Offset Operators and Surface Owners

Washington 33 State Lease
Proposed Water Injection Well #12
Artesia Field
Eddy County, New Mexico

Hason Energy
P. O. Box 1348
Artesia, NM 88210

Marbob Energy
P. O. Box 227
Artesia, NM 88210

Yates Petroleum Corporation
105 South Fourth Street
Artesia, NM 88210

Dominion Oklahoma Texas Exploration
14000 Quail Springs Parkway
Suite 600
Oklahoma City, Ok. 73134-2600
Att: New Mexico Land & Regulatory

Devon Energy Corporation
20 North Broadway
Suite 1500
Oklahoma City, Ok 73102
Att: New Mexico Land & Regulatory

Bogle Ltd.
P. O. Box 460
Dexter, NM 88231-0460

State of New Mexico
Commissioner of Public Lands
P. O. Box 1148
Santa Fe, NM 87504-1148