

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]

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

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

Check One Only for [B] or [C]

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

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

[D] Other: Specify _____

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

[A] ☐ Working, Royalty or Overriding Royalty Interest Owners

[B] ☐ Offset Operators, Leaseholders or Surface Owner

[C] ☐ Application is One Which Requires Published Legal Notice

[D] ☐ Notification and/or Concurrent Approval by BLM or SLO
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office

[E] ☐ For all of the above, Proof of Notification or Publication is Attached, and/or,

[F] ☐ Waivers are Attached

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

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

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

Print or Type Name

Signature

Title

Date

e-mail Address



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

Phone: 281-366-2000

January 24, 2005

RECEIVED

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

APR 0 6 2005
OIL CONSERVATION
DIVISION

Attn: Mr. William Jones
UIC Department

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

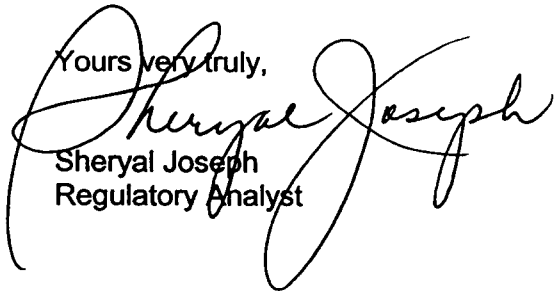
Dear Mr. Jones,

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

C: BRYAN ARRIANT/OCD-Artesia Office

APPLICATION FOR AUTHORIZATION TO INJECT

- I. PURPOSE: ☒ 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.
- 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.
 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, XI, and XII 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.

INJECTION WELL DATA SHEET

OPERATOR: BP America Production CompanyWELL NAME & NUMBER: Washington 33 State Well # 12WELL LOCATION: 2432' FNL & 2270' FEL UNIT LETTER G SECTION 33 TOWNSHIP 17S RANGE 28E

FOOTAGE LOCATION

WELL CONSTRUCTION DATAWELLBORE SCHEMATICSurface Casing

Hole Size: 12-1/4 Casing Size: 8-5/8
 Cemented with: 540 sx. or ft³
 Top of Cement: SURF Method Determined: CIRC

Intermediate Casing

Hole Size: Casing Size:
 Cemented with: sx. or ft³
 Top of Cement: Method Determined:

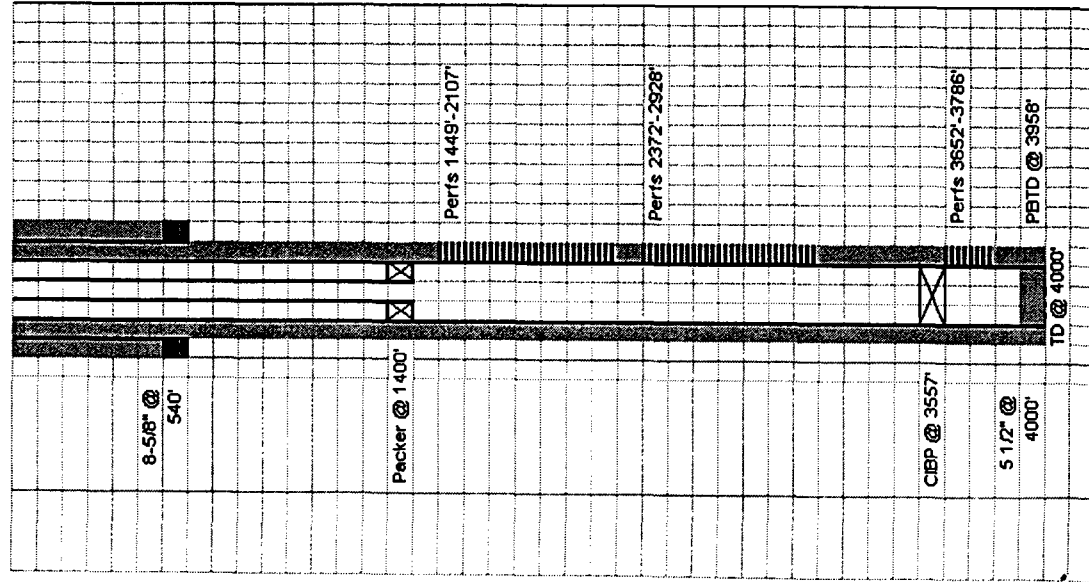
Production Casing

Hole Size: 7-7/8 Casing Size: 5-1/2
 Cemented with: 810 sx. or ft³
 Top of Cement: SURF Method Determined: CIRC
 Total Depth: 4000'

Injection Interval

Perforated 1449 feet to 2928 feet

(Perforated or Open Hole; indicate which)



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

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.

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 •2H ₂ O		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	79.3	-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 CO₂ pressure is the calculated CO₂ fugacity. It is usually nearly the same as the CO₂ partial pressure.

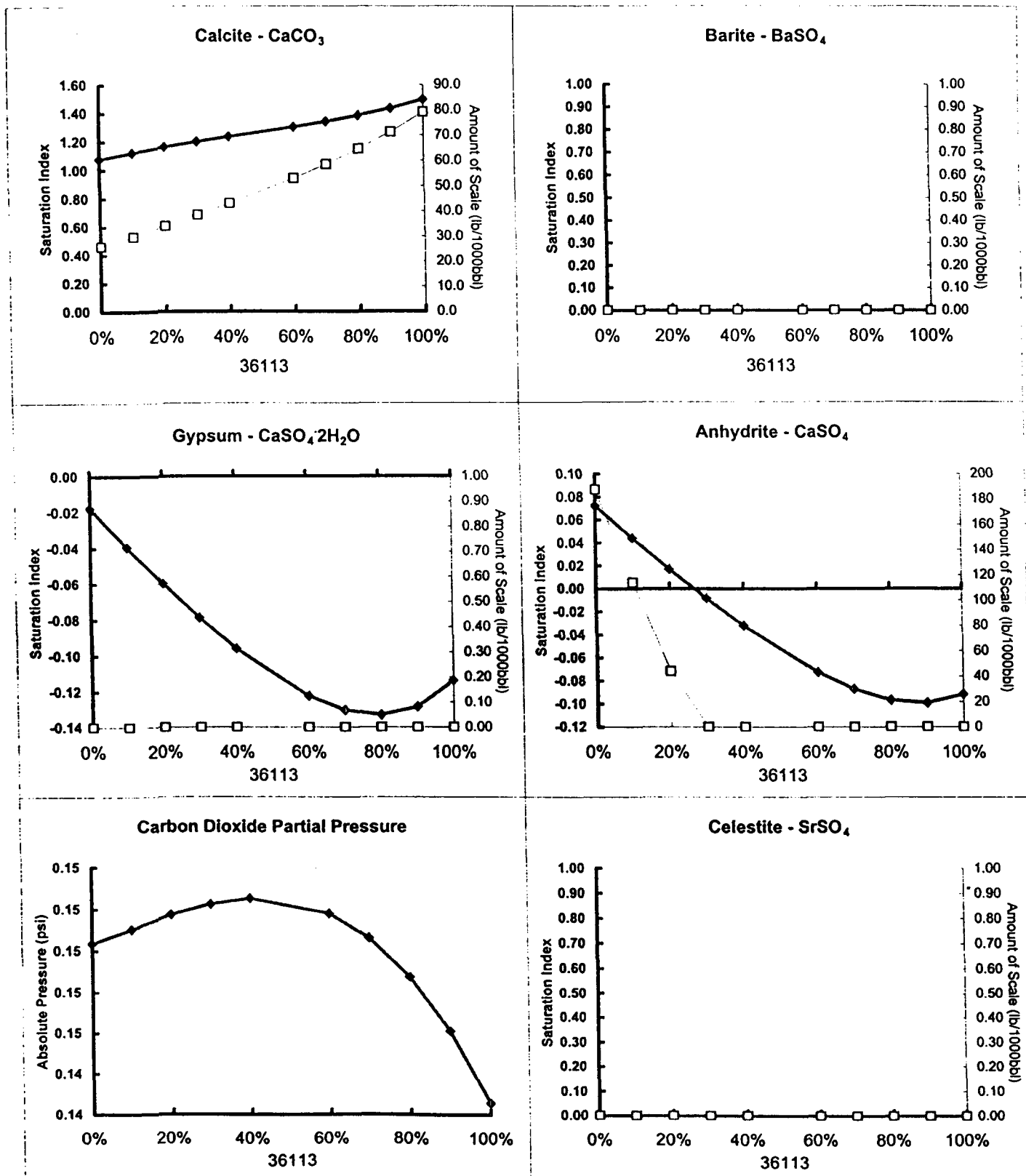
Water Analysis Report from Baker Petrolite

Summary of Mixing Waters		
Sample Number	36113	36116
Company	B P AMERICA PRODUCTION	B P AMERICA PRODUCTION
Lease Well Sample Location	EMPIRE ABO C 49 WATER TANK	WASHINGTON 33 STATE BATTERY 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

Mixture Predictions from Baker-Petrolite

36113 with 36116 at 100°F and 0 psi

Analysis: 36266



WATER ANALYSIS REPORT -----

Company : BP America
 Address : Artesia, NM
 Lease : Depco Road
 Well : Water Well
 Sample Pt. : Well Head

Date : 2 Dec 04
 Date Sampled : 19 Nov 04
 Analysis No. :

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		Compound	Equiv wt X meq/L	=	mg/L
+-----+					-----
36 *Ca <----- *HCO3	1	Ca (HCO3) 2	81.0	1.4	110
/----->		CaSO4	68.1	6.8	461
7 *Mg -----> *SO4	7	CaCl2	55.5	28.0	1554
<-----/		Mg (HCO3) 2	73.2		
27 *Na -----> *Cl	61	MgSO4	60.2		
+-----+		MgCl2	47.6	6.8	321
Saturation Values Dist. Water 20 C		NaHCO3	84.0		
CaCO3 13 mg/L		Na2SO4	71.0		
CaSO4 * 2H2O 2090 mg/L		NaCl	58.4	26.5	1550
BaSO4 2.4 mg/L					

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	Compound	Equiv wt X meq/L	= mg/L
38 *Ca <----- *HCO3	Ca (HCO3)2	81.0	1.7 138
/----->	CaSO4	68.1	1.6 106
0 *Mg -----> *SO4	CaCl2	55.5	34.3 1901
<-----/	Mg (HCO3)2	73.2	
9 *Na -----> *Cl	MgSO4	60.2	
	MgCl2	47.6	0.3 12
Saturation Values Dist. Water 20 C	NaHCO3	84.0	
CaCO3 13 mg/L	Na2SO4	71.0	
CaSO4 * 2H2O 2090 mg/L	NaCl	58.4	9.3 546
BaSO4 2.4 mg/L			

REMARKS:

Baker Petrolite

Respectfully submitted,
 W.C. Peterson

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 _____

Subscribed and sworn to before me this

17th Day September 2004

Barbara Ann Boers
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

LEGAL NOTICE

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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

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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.

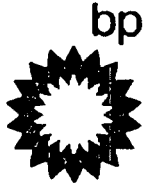
BP America Production Company

Sheryal Joseph
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



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,

A handwritten signature in black ink, appearing to read "Sheryal Joseph".

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

Jones, William V

From: Simpson, William C [simpwc@bp.com]
Sent: Friday, October 22, 2004 8:06 AM
To: WVJones@state.nm.us
Cc: Quezergue, Karl A
Subject: Mae Curry Well No. 1

Will,

The Mae Curry Well No. 1 is now planned for abandonment. The project costs have exceeded our economic threshold, and presently, we plan to continue trucking our water.

Sorry we didn't get back to you sooner with this information.

We tried to step rate test the Washington 33 State Well #12 last week, but lost our logging tools in the hole before we were completed. We have fished the tools and plan to try again in early November. Everyone is so short handed, that you have to wait for windows of opportunity to conduct field work.

Regards,

Bill

This email has been scanned by the MessageLabs Email Security System.
For more information please visit <http://www.messagelabs.com/email>

Jones, William V

From: Jones, William V
Sent: Thursday, April 14, 2005 9:39 AM
To: Arrant, Bryan
Subject: BP's SWD Application: Washington 33 State Well #12 30-015-30348

Hello Bryan:
Please let me know what you think about this application.

I also have a question for you. The Area of Review for this well has a few wells that have communication behind pipe or in plugged wellbores from the 7rivers to the Queen. In other words, water injected into the interval they are proposing can travel in the Queen laterally to these wells and then up into the 7 rivers.

Is this a problem? Is there any 7 rivers producing zones? It looks like this is a sandstone with high porosity. But it may not be and may be tight and water bearing. I don't know about the oil/gas shows or the drilltimes.

If this well is successful, they will be proposing many more in this area as part of a waterflood - and maybe having to re-plug lots of wells if the 7rvrs is a valid "protectable" formation.

William V. Jones Engineering Bureau Oil Conservation Division Santa Fe

4/14/2005

BP'S SWD Application: Washington 33 State # 12 (API# 30-015-30348)

April 21, 2005

Will, to answer to your inquiries about the above subject well, please review the data and information that I found in the area of review (AOR) and immediately outside:

In the circled AOR, there is no reported production of oil and gas above the Queen in the Tansill, Yates or Seven-Rivers formations from wells previously drilled.

However there are (2) oil pools that produce hydrocarbons from the Yates-Seven Rivers to the northeast and to the west of the proposed injection well.

To the west lies the far southeastern boundaries of the Empire; Yates-Seven Rivers Oil Pool. This pool covers in part all of section 30 and the N/2 of section 31.

To the northeast, lies the Empire: Yates; Seven-Rivers Oil Pool. The southern most boundaries of this pool cover parts of sections: 27,28 and the W/2 of the NE/4 of section 34.

Located in N-28-17-28, Marbob Energy Corporation has 2 wells, which produce or had produced oil from the Seven-Rivers. (30-015-01596 and 30-015-21463) The perfid intervals are at a depth of 706-728'. There is reported to be approximately 115 wells that have produced hydrocarbons from the entire Empire; Yates-seven Rivers Oil Pool. The oil wells I noted are ones nearest to the AOR, which is a little more than a 1/2 mile away.

As you can see the vertical distance between the proposed injection interval and the producing interval of Marbob's well is @721'.

In between this interval is the Seven Rivers formation, which is mostly composed of dolomite, the Bowers formation and Queen formation, which is mostly composed of sand, sandy dolomites, dolomite and dolomitic limestones.

As far as communication of fluids migrating from the Queen to the Seven-Rivers, it is difficult for me to give you an educated guess.

You possibly could obtain from recent wells drilled in this area a copy of drill rates from the operator, providing they either mud-logged these intervals or from drillers log records. You may of course also review offset porosity logs to try and determine if there may be communication from the proposed injection interval both laterally and vertically. I myself do not have the experience to make a valid determination. Give me a call or e-mail if you have any questions.

Bryan G. Arrant
PES-Artesia District II

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

Form C-103
Revised March 25, 1999

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

WELL API NO. 30-015-30348
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name: Washington 33 State
8. Well No. 12
9. Pool name or Wildcat Artesia Queen-Grayburg-San Andres

4. Well Location Unit Letter G 2432 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.)
---	--

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.)

1. Type of Well:
Oil Well ☐ Gas Well ☐ Other **Injection**

2. Name of Operator
BP America Production Company

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

4. Well Location
Unit Letter **G** **2432** feet from the **North** line and **2270** feet from the **East** line
Section **33** Township **17S** Range **28E** NMPM County **Eddy**

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPLETION ☐

OTHER: **Water Injection Well Conversion** ☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐
CASING TEST AND CEMENT JOB ☐

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.

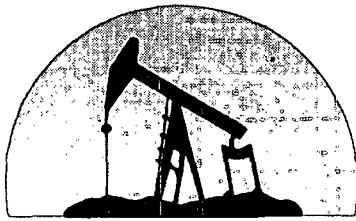
I hereby certify that the information above is true and complete to the best of my knowledge and belief.

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:



marbob
energy corporation

Received
8/17/04

August 13, 2004

Oil Conservation Division
1220 South Saint Francis Drive
Santa Fe, New Mexico 87504

Attention: Mr. Will Jones

**RE: SWD Injection Proposal-BP well
Washington "33" State #12
2432' FNL - 2270' FEL
Section 33, T-17S, R-28E
Eddy County, New Mexico**

Dear Mr. Jones:

Enclosed is a copy of the legal notice from the Artesia Daily Press. Based on the information contained in the notice, Marbob Energy Corporation, by this letter, is objecting to the proposal as outlined. We believe that we fall within the radius of review and should be notified by BP. We contacted Bill Simpson with BP and he indicated they had not sent out the package to offset operators yet. When we receive the package, we will review it to determine if we can withdraw our objection.

If you have any questions regarding this, please contact me.

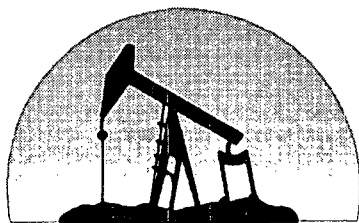
Sincerely,

Raye Miller

Raye Miller
Land Department

RM/mm
Enclosures

cc: BP America Production Company
Attn: Melanie Bell
Attn: Bill Simpson



marbob
energy corporation

RECEIVED

FEB 22 2005

OIL CONSERVATION
DIVISION

February 16, 2005

Oil Conservation Division
1220 South Saint Francis Drive
Santa Fe, New Mexico 87504

Attention: Mr. Will Jones

RE: **SWD Injection Proposal-BP well**
Washington "33" State #12
2432' FNL - 2270' FEL
Section 33, T-17S, R-28E
Eddy County, New Mexico

Dear Mr. Jones:

Marbob Energy Corporation has received and reviewed the SWD injection proposal for the captioned well. We are satisfied with BP's proposal and hereby withdraw our objection. If you have any questions regarding this, please contact me.

Sincerely,

Raye Miller

Raye Miller
Land Department

RM/mp

cc: BP America Production Company
Attn: Melanie Bell
Attn: Bill Simpson

1/24/05 - Sent in 30-015-30348
NO

UWI	OPERATOR	LEASE_NAME	WELL_NUMBER
14250	J D R LIMITED	BROOKS-FEDERAL	9
14260	J D R LIMITED	BROOKS-FEDERAL	10
14270	J D R LIMITED	BROOKS-FEDERAL	11
14280	J D R LIMITED	BROOKS-FEDERAL	12
14290	J D R LIMITED	BROOKS-FEDERAL	13
14300	J D R LIMITED	BROOKS-FEDERAL	14
14310	BEDINGFIELD-FEATHRSTONE	BROOKS	15
14320	J D R LIMITED	BROOKS-FEDERAL	16
14330	J D R LIMITED	BROOKS-FEDERAL	17
14340	J D R LIMITED	BROOKS-FEDERAL	18
14350	LATCH LEONARD	BROOKS-FEDERAL	19
14360	BURNHAM OIL COMPANY	BROOKS A	1
14370	BURNHAM OIL CO INC	BROOKS-FEDERAL	2
14390	BOBB ETAL	BOBB-GOVERNMENT	4
14400	FEATHERSTONE OLEN F	BROOKS X	9
14410	J D R LIMITED	BROOKS-FEDERAL	20
14420	J D R LIMITED	BROOKS-FEDERAL	21
14430	J D R LIMITED	BROOKS-FEDERAL	22
14440	HOVER A H	AREGOOD-STATE	1
14450	HIGHTOWER PATTARF	PATTARF	1
14460	J D R LIMITED	BROOKS-FEDERAL	1
14470	HUGHES J E	BROOKS	2
14480	BURNHAM OIL CO INC	BROOKS A	3
14490	LATCH LEONARD	BROOKS-FEDERAL	4
14500	HUGHES J E	BROOKS	5
14510	J D R LIMITED	BROOKS-FEDERAL	6
14520	J D R LIMITED	BROOKS-FEDERAL	7
14530	J D R LIMITED	BROOKS-FEDERAL	8
14540	MADDEN-HAZEL	STATE	1
14550	POTTORFF SO	HIGHTOWER-STATE X	1
14560	ROBERTS OTIS A	STATE	2
14570	SMITH & MARRS INCORPORATED	RED LAKE PSU-HI-SPS	15
14580	KERSEY & COMPANY	RED LAKE PSU-DELHI	6
14590	KERSEY & COMPANY	DELHI-STATE	8
14600	SMITH & MARRS INCORPORATED	RED LAKE PSU-DELHI	14
14610	SMITH & MARRS INCORPORATED	RD LKE PR SND UN T4	26
14620	SMITH & MARRS INCORPORATED	RED LAKE PSU-CH-SPS	33
14630	SMITH & MARRS INCORPORATED	RED LAKE PSU-THOMPS	18
14640	SMITH & MARRS INCORPORATED	RED LAKE PSU-THOMPS	24
14650	SMITH & MARRS INCORPORATED	RED LAKE PSU-SCANNE	22
14660	KERSEY & COMPANY	RED LAKE PSU-CH-SPS	2
14670	SMITH & MARRS INCORPORATED	RED LAKE PSU-WELCH-	30
14680	KERSEY & COMPANY	RED LAKE PSU-WELCH-	3
14690	KERSEY & COMPANY	RED LAKE PSU-WELCH-	2
14700	SMITH & MARRS INCORPORATED	RED LAKE PSU-HARTLE	28
14710	SMITH & MARRS INCORPORATED	RED LAKE PSU-SCANNE	20
14720	KERSEY & COMPANY	RED LAKE PSU-SCANNE	2
14730	SCANNEL E E	STATE	3
14740	KERSEY & COMPANY	RED LAKE PSU-DELHI-	1
14750	SOUTHERN UNION GAS	REID B	1
14760	SMITH & MARRS INCORPORATED	RED LAKE PSU-DELHI-	34

14770 KERSEY & COMPANY	RED LAKE PSU-THOMPS		1
14780 KERSEY & COMPANY	RED LAKE PSU-THOMPS		2
14790 SMITH & MARRS INCORPORATED	RED LAKE PSU-THOMPS		19
14800 SMITH & MARRS INCORPORATED	RED LAKE PSU-THOMPS		17
14820 KERSEY & COMPANY	RED LAKE PSU-HARTLE		4
14830 SMITH & MARRS INCORPORATED	RED LAKE PSU-HARTLE		27
14840 SMITH & MARRS INCORPORATED	RED LAKE PSU-DELHI		25
14850 KERSEY & COMPANY	RD LK(PM-S AD)U T 6		5
14860 KERSEY RED LAKE PREM	RED LAKE PSU-NOLIND		1
14870 KERSEY & COMPANY	RED LAKE PSU-WELCH		10
14880 KERSEY & COMPANY	RED LAKE PSU-WELCH		11
14890 KERSEY & COMPANY	RED LAKE PSU-WELCH		13
14900 RED LAKE OIL CO INC	STATE		17
14910 SMITH & MARRS INCORPORATED	RED LAKE PSU-WELCH		23
14920 SMITH & MARRS INCORPORATED	RED LAKE PSU-LIMS A		32
14930 SMITH & MARRS INCORPORATED	RED LAKE PSU-LIMS A		31
14940 RED LAKE OIL CO INC	WILLIAMS A		3
14950 SMITH & MARRS INCORPORATED	RED LAKE PSU-DELHI		29
14960 WEBB OIL COMPANY	GULF-STATE		1
14970 WEBB OIL COMPANY	GULF-STATE		2
14980 ADAMSON J B	GULF-STATE	3W	
14990 CHAMBERS & KENNEDY	GULF-STATE		1
15000 KERSEY & COMPANY	DELHI-STATE		13
15010 MARBOB ENERGY CORPORATION	STATE		1
15020 MARBOB ENERGY CORPORATION	STATE		2
15030 CIMA CAPITAN INC	STATE B-1111		3
15040 MARBOB ENERGY CORPORATION	STATE		4
15050 MARBOB ENERGY CORPORATION	STATE		6
15060 MARBOB ENERGY CORP	COLLIER STATE		7
15070 MARBOB ENERGY CORPORATION	STATE		8
15080 MARBOB ENERGY CORPORATION	STATE		9
15090 RED LAKE OIL CO INC	STATE B-1111		22
15100 FI-RO CORPORATION	MALCO-FEDERAL		1
15110 PENROSE NEVILLE G	WELCH-STATE		1
15120 WELCH V S	HUMBLE-STATE		1
15130 WEBB OIL COMPANY	HONDO-FEDERAL		1
15140 WELCH V S	HUMBLE-STATE		2
15150 WELCH	V. P.	STATE	
15160 KINCAID&WATSON DRLG	HUMBLE-STATE 23		1
15170 KINCAID&WATSON DRLG	HUMBLE 23		23
15480 DEPCO INCORPORATED	STATE 647		77
15490 FLYNN-WELCH-YATES	STATE		78
15500 ARCO PERMIAN	EMPIRE(ABO)UNIT "D"		38
15520 BP AMERICA PRODUCTION COMPANY	STATE A		39
15530 ARCO OIL & GAS CORPORATION	STATE A		38
15540 BP AMERICA PRODUCTION COMPANY	STATE A	39A	
15550 BP AMERICA PRODUCTION COMPANY	STATE A		40
15560 BP AMERICA PRODUCTION COMPANY	STATE A	40A	
15570 BP AMERICA PRODUCTION COMPANY	STATE A	37A	
15580 HONDO INTL YATES	STATE A		36
15590 ARCO PERMIAN	EMPIRE ABO UNIT "B"	WD-39	
15600 SAIKIN-AID	FW & Y-STATE		4

15610 WELCH V S	STATE		1
15620 WELCH V S	STATE		2
15630 MELROSE OPERATING COMPANY	ARTESIA UNIT		2
15640 MELROSE OPERATING COMPANY	ARTESIA UNIT		1
15650 MELROSE OPERATING COMPANY	ARTESIA UNIT		3
15660 MELROSE OPERATING COMPANY	ARTESIA UNIT		4
15670 MELROSE OPERATING COMPANY	ARTESIA UNIT		5
15680 MARBOB ENERGY CORPORATION	PAN AMERICAN-TE B		2
15690 MARBOB ENERGY CORPORATION	PHILLIPS NG-STATE		1
15700 MARBOB ENERGY CORPORATION	PHILLIPS NG-STATE		2
15710 MARBOB ENERGY CORPORATION	PHILLIPS NG-STATE		3
15720 MARBOB ENERGY CORPORATION	PHILLIPS NG-STATE		4
15730 MARBOB ENERGY CORPORATION	PHILLIPS NG-STATE		5
15740 MARBOB ENERGY CORPORATION	PHILLIPS NG-STATE		6
15750 MARBOB ENERGY CORPORATION	N G PHILLIPS EST		7
15760 MARBOB ENERGY CORPORATION	N G PHILLIPS STATE		8
15770 MARBOB ENERGY CORPORATION	ABO-STATE	1PI	
15780 ADAMSON J B	COLLIER-STATE	1PI	
15790 BP AMERICA PRODUCTION COMPANY	STATE BW		33
15800 ABO PETROLEUM CORPORATION	LOIS MAE-STATE		1
15810 BP AMERICA PRODUCTION COMPANY	STATE 647		34
15820 BP AMERICA PRODUCTION COMPANY	STATE BZ		36
15830 ARCO PERMIAN	STATE BZ		36
15840 BP AMERICA PRODUCTION COMPANY	STATE BZ		35
15850 RED LAKE OIL COMPANY	LEVERS-STATE		5
15860 RED LAKE OIL COMPANY	LEVERS-STATE		20
15870 COLLIER & COLLIER	GILLESPIE STATE		16
15880 CFM OIL COMPANY	GILLESPIE STATE		5
15890 CFM OIL COMPANY	GILLESPIE STATE		15
15900 ARCO OIL & GAS CORPORATION	WALKER-STATE		35
15910 MARBOB ENERGY CORP	WALKER STATE		2
15920 BP AMERICA PRODUCTION COMPANY	ABO-STATE	34A	
15930 WELCH	E. P.	STATE	
15940 MACK ENERGY CORPORATION	DELHI-STATE B		2
15950 PENROC OIL CORPORATION	STATE		14
15960 MARBOB ENERGY CORPORATION	DELHI STATE		1
15970 KERSEY & COMPANY	RED LAKE PSU-WELCH		12
15980 KERSEY & COMPANY	RED LAKE PSU-WELCH		14
15990 SMITH & MARRS INCORPORATED	RED LAKE PSU-WELCH		6
16000 NAVAJO OIL CO	TIGNER-STATE		1
16010 KENNEDY OIL COMPANY INCORPORAT	TIGNER-STATE		1
16020 KERSEY & COMPANY	RED LAKE PSU-TIGNER		1
16030 KERSEY & COMPANY	RED LAKE PSU-WELCH		16
16040 ADAMSON J B	DELHI /B/ STATE		1
16050 KERSEY & COMPANY	DELHI		11
16060 SMITH & MARRS INCORPORATED	RED LAKE PSU-LIMS B		3
16070 SMITH & MARRS INCORPORATED	RED LAKE PSU-LIMS B		4
16080 KERSEY & COMPANY	RED LAKE PSU-DELHI		2
16090 SMITH & MARRS INCORPORATED	RED LAKE PSU-DELHI		10
16100 SMITH & MARRS INCORPORATED	RED LAKE PSU-DELHI		13
16110 RICKS EXPLORATION INCORPORATED	STATE GAS COM B		1
16120 SMITH & MARRS INCORPORATED	RED LAKE PSU-DELHI		12

16130 SOUTHERN UNION GAS	STATE		7
16150 SMITH & MARRS INCORPORATED	RED LAKE PSU-PIATT		9
16160 RESLER & SHELDON	BLAKE-STATE B-4918		1
16170 HOVER A H	STATE B		1
16180 GALLAGHER JOHN P	DELHI-STATE	1PI	
16190 HOVER A H	STATE B		2
16200 BEATRICE BEDINGFIELD	SUNRAY-STATE		1
16210 PRONGHORN MANAGEMENT CORPORATI	SUNRAY-STATE		2
16220 PLOYHAR-MCNUTT	STATE		1
16230 GALLAGHER JOHN P	DELHI-STATE		3
16240 GALLAGHER JOHN P	DELHI-STATE		4
16250 PLOYHAR-CUNNINGHAM	STATE		1
16260 CUNNINGHAM & PLAYHAR	STATE		2
16270 PLOYHAR-MCNUTT	STATE		2
16280 CUNNINGHAM W D	GUINN-STATE	1PI	
16290 ROBERTS OTIS A	HUMBARGER-STATE		1
16300 SMITH & MARRS INCORPORATED	RED LAKE PSU-STALEY		2
16310 SCANNELL	EE ETAL	STATE A	
16320 SMITH & MARRS INCORPORATED	RED LAKE PSU-DELHI		1
16330 PRONGHORN MANAGEMENT CORPORATI	STATE		1
16340 ASTON & FAIR	STATE 31	1-X	
16350 PRONGHORN MANAGEMENT CORPORATI	ASTON AND FAITATE Y	1Y	
16360 BEDINGFIELD J E	DELHI-STATE		1
16370 PRONGHORN MANAGEMENT CORPORATI	MALCO-STATE		1
16380 BEDINGFIELD ETAL	STATE		1
16390 MACK ENERGY CORPORATION	RAMAPO		1
16400 MACK ENERGY CORPORATION	RAMAPO		2
16410 BP AMERICA PRODUCTION COMPANY	STATE A		24
16420 MACK ENERGY CORPORATION	STATE AG		1
16430 BP AMERICA PRODUCTION COMPANY	STATE F		22
16440 ARCO PERMIAN	STATE A		24
16450 BEDINGFIELD J E	BEDDINGFIELD-STATE		1
16460 BP AMERICA PRODUCTION COMPANY	STATE BD	22A	
16470 ARCO PERMIAN	STATE BE		21
16480 BP AMERICA PRODUCTION COMPANY	STATE BE	21A	
16490 BP AMERICA PRODUCTION COMPANY	STATE BJ		23
16500 BP AMERICA PRODUCTION COMPANY	STATE BJ	23A	
16510 BP AMERICA PRODUCTION COMPANY	STATE BM	22B	
16520 KERSEY & COMPANY	BOLING		1
16530 ROBERTS OTIS A	PARKER STATE		1
16540 BEDINGFIELD J E	ASTON-STATE		1
16550 JEFFERS W E	STATE 32		1
16560 BURNHAM OIL COMPANY	STATE 32		2
16570 BP AMERICA PRODUCTION COMPANY	STATE-EDDY		26
16580 BP AMERICA PRODUCTION COMPANY	STATE A		28
16590 BP AMERICA PRODUCTION COMPANY	STATE A	26A	
16600 ARCO PERMIAN	STATE A		25
16610 BP AMERICA PRODUCTION COMPANY	STATE A	26B	
16620 BP AMERICA PRODUCTION COMPANY	STATE A	25A	
16630 ARCO PERMIAN	STATE A		27
16640 BP AMERICA PRODUCTION COMPANY	STATE A	28A	
16650 SDX RESOURCES INCORPORATED	DELHI-STATE		14

16660 SDX RESOURCES INCORPORATED	RAMAPO-STATE A		15
16670 BP AMERICA PRODUCTION COMPANY	STATE BG	27A	
16680 BP AMERICA PRODUCTION COMPANY	STATE BO	28B	
16690 ARCO PERMIAN	STATE BO		28
16700 BP AMERICA PRODUCTION COMPANY	STATE BP	27B	
16710 ARCO PERMIAN	STATE BV		25
16720 KERSEY & COMPANY	RAMAPO-STATE A		1
16730 PAN AMERICAN CORPORATION	STATE AE		1
16740 SDX RESOURCES INCORPORATED	STATE 647 A/C722		6
16750 SDX RESOURCES INCORPORATED	STATE 647 A/C722		2
16760 BEAL OPERATING CO	DELHI-STATE		1
16770 DEVON ENERGY CORPORATION	DELHI-STATE A		1
16780 ATLANTIC RICHFIELD COMPANY THE	MARTIN-YATES-STATE		5
16790 ATLANTIC RICHFIELD COMPANY THE	MARTIN-YATES-STATE		6
16800 ATLANTIC RICHFIELD COMPANY THE	MARTIN-YATES-STATE		1
16810 ATLANTIC RICHFIELD COMPANY THE	MARTIN-YATES-STATE		2
16820 ATLANTIC RICHFIELD COMPANY THE	MARTIN-YATES-STATE		3
16830 ATLANTIC RICHFIELD COMPANY THE	MARTIN-YATES-STATE		4
16840 MARBOB ENERGY CORPORATION	DELHI-STATE		2
16850 BP AMERICA PRODUCTION COMPANY	M YATES B-ARC-STATE		29
16860 BP AMERICA PRODUCTION COMPANY	M YATES B-ARC-STATE		30
16870 ARCO PERMIAN	EMPIRE(ABO)UNIT "F"		29
16880 BP AMERICA PRODUCTION COMPANY	M YATES B-ARC-STATE	29B	
16890 BP AMERICA PRODUCTION COMPANY	M YATES B-ARC-STATE	30A	
16900 ARCO PERMIAN	WASHINGTON '33' STA		25
16910 BP AMERICA PRODUCTION COMPANY	M YATES B-ARC-STATE		31
16920 BP AMERICA PRODUCTION COMPANY	M YATES B-ARC-STATE	31A	
16930 BP AMERICA PRODUCTION COMPANY	M YATES B-ARC-STATE		32
16940 BP AMERICA PRODUCTION COMPANY	M YATES B-ARC-STATE	32A	
16950 BP AMERICA PRODUCTION COMPANY	M YATES B-ARC-STATE	32B	
16960 ARCO PERMIAN	EMPIRE(ABO)UNIT "H"		32
16970 BP AMERICA PRODUCTION COMPANY	M YATES B-ARC-STATE	30B	
16980 ARCO PERMIAN	M YATES B-ARC-STATE		31
16990 ARCO OIL & GAS CORPORATION	M YATES B-ARC-STATE		31
17000 MARBOB ENERGY CORPORATION	PAN AMERICAN-STATE		1
17010 MARBOB ENERGY CORPORATION	PAN AMERICAN-TE C		1
17020 MARBOB ENERGY CORPORATION	PAN AMERICAN-TE C		2
17030 ARCO OIL & GAS CORPORATION	DELHI-TAYLOR-STATE		35
17040 PHILLIPS & GORDON	CARPER-LEVERS		1
17050 VINTAGE DRILLING COMPANY	CARPER-LEVERS-STATE		2
17060 ARCO OIL & GAS CORPORATION	STATE A		36
17080 MELROSE OPERATING COMPANY	ARTESIA UNIT		26
17090 MELROSE OPERATING COMPANY	ARTESIA UNIT		27
17100 ARCO OIL & GAS CORPORATION	STATE BQ		34
17110 BP AMERICA PRODUCTION COMPANY	STATE BQ	33A	
17120 BP AMERICA PRODUCTION COMPANY	STATE BQ	33B	
17130 ARCO PERMIAN	EMPIRE(ABO)UNIT "H"		24
17140 BP AMERICA PRODUCTION COMPANY	STATE BS	34C	
17150 BP AMERICA PRODUCTION COMPANY	STATE BT	35A	
17160 BP AMERICA PRODUCTION COMPANY	STATE BT	35B	
17170 ARCO OIL & GAS CORPORATION	STATE BT		34
17190 BP AMERICA PRODUCTION COMPANY	STATE BX	36B	

17200 BP AMERICA PRODUCTION COMPANY	STATE BY	36C	
17210 VINTAGE DRILLING COMPANY	CARPER-LEVERS-STATE		4
17220 PHILLIPS & GORDON	CARPER-LEVERS-STATE		3
17230 MELROSE OPERATING COMPANY	ARTESIA UNIT		25
17240 MELROSE OPERATING COMPANY	ARTESIA UNIT		24
17250 LARUE C E & MUNCY B M JR	MOORE-STATE		1
17260 SILVERTHORNE R Q	MOORE-STATE		2
17270 BP AMERICA PRODUCTION COMPANY	EDDY-STATE	33D	
17280 YATES DRILLING COMPANY	SINCLAIR-STATE		1
17290 WELCH BROS-PHILLIPS	STATE		1
17300 DEPCO INCORPORATED	ARTESIA UNIT		12
17310 CHAMBERS&KENEDY-HADDEN	DELHI-TAYLOR-STATE		1
17320 MELROSE OPERATING COMPANY	ARTESIA UNIT		28
17330 BP AMERICA PRODUCTION COMPANY	STATE A	38Q	
17340 BP AMERICA PRODUCTION COMPANY	STATE A	37B	
17350 ARCO PERMIAN	STATE A		9
17360 ARCO PERMIAN	EMPIRE(ABO)UNIT 'E'		38
17370 MARBOB ENERGY CORP	DAD STATE		34
17380 BP AMERICA PRODUCTION COMPANY	STATE A	39C	
17390 MARBOB ENERGY CORP	DAD STATE		35
17400 BP AMERICA PRODUCTION COMPANY	STATE A	40D	
17410 HONDO WESTERN YATES	STATE A		41
17420 MELROSE OPERATING COMPANY	ARTESIA UNIT		29
17430 DEPCO INCORPORATED	ARTESIA UNIT		30
17440 MELROSE OPERATING COMPANY	ARTESIA UNIT		31
17450 MELROSE OPERATING COMPANY	SUNRAY-STATE		12
17460 MELROSE OPERATING COMPANY	ARTESIA UNIT		23
17470 MELROSE OPERATING COMPANY	ARTESIA UNIT		22
17480 MELROSE OPERATING COMPANY	ARTESIA UNIT		21
17490 MELROSE OPERATING COMPANY	ARTESIA UNIT		10
17500 MELROSE OPERATING COMPANY	ARTESIA UNIT		9
17510 MELROSE OPERATING COMPANY	ARTESIA UNIT		8
17520 BP AMERICA PRODUCTION COMPANY	NEW MEXICO STATE V	37C	
17530 BP AMERICA PRODUCTION COMPANY	NEW MEXICO STATE V	37D	
17540 MELROSE OPERATING COMPANY	ARTESIA UNIT		13
17550 MELROSE OPERATING COMPANY	ARTESIA UNIT		14
17560 MELROSE OPERATING COMPANY	ARTESIA UNIT		15
17570 WELCH W C	MRY-STATE		4
17630 BP AMERICA PRODUCTION COMPANY	STATE A	35C	
17690 JEFFERS W E	FEATHERSTONE-STATE		1
17700 BURNHAM OIL COMPANY	STATE-FEATHERSTONE		2
17710 JEFFERS W E	FEATHERSTONE-STATE		3
17720 RAMAGE OIL CO	LEUKENS STATE		1
17730 JEFFERS W E	FEATHERSTONE-STATE		4
17740 JEFFERS W E	FEATHERSTONE-TE E		5
17750 MELROSE OPERATING COMPANY	ARTESIA UNIT		45
17760 MELROSE OPERATING COMPANY	ARTESIA UNIT		41
17770 BURNHAM OIL CO INC	JOHNSON-STATE		1
17780 MELROSE OPERATING COMPANY	ARTESIA UNIT		51
17790 MELROSE OPERATING COMPANY	ARTESIA UNIT		49
17800 MELROSE OPERATING COMPANY	ARTESIA UNIT		50
17810 MELROSE OPERATING COMPANY	ARTESIA UNIT		63

17820 MELROSE OPERATING COMPANY	ARTESIA UNIT	36
17830 MELROSE OPERATING COMPANY	ARTESIA UNIT	34
17840 MELROSE OPERATING COMPANY	ARTESIA UNIT	64
17850 MELROSE OPERATING COMPANY	ARTESIA UNIT	35
17860 PHILLIPS NG-WELCH	STATE	1
17870 MELROSE OPERATING COMPANY	ARTESIA UNIT	52
17880 MELROSE OPERATING COMPANY	ARTESIA UNIT	53
17890 MELROSE OPERATING COMPANY	ARTESIA UNIT	48
17900 MELROSE OPERATING COMPANY	ARTESIA UNIT	43
17910 MELROSE OPERATING COMPANY	ARTESIA UNIT	58
17920 MELROSE OPERATING COMPANY	ARTESIA UNIT	59
17930 FLYNN-WELCH-YATES	STATE 647	41
17940 FLYNN-WELCH-YATES	STATE 647	42
17950 DEPCO INCORPORATED	ARTESIA UNIT	57
17960 MELROSE OPERATING COMPANY	ARTESIA UNIT	44
17970 MELROSE OPERATING COMPANY	ARTESIA UNIT	56
17980 MELROSE OPERATING COMPANY	ARTESIA UNIT	55
17990 MELROSE OPERATING COMPANY	ARTESIA UNIT	40
18000 MELROSE OPERATING COMPANY	ARTESIA UNIT	37
18010 MELROSE OPERATING COMPANY	ARTESIA UNIT	54
18020 FLYNN-WELCH-YATES	C DUNN	4
18030 FLYNN-WELCH-YATES	DUNN B	5
18040 FLYNN-WELCH-YATES	DUNN B	6
18050 WELCH J M	DUNN-FEDERAL B	7
18060 WELCH J M	DUNN-FEDERAL B	10
18070 JUDAH OIL	DUNN-FEDERAL B	11
18080 MELROSE OPERATING COMPANY	DUNN-FEDERAL B TR-2	12
18090 MELROSE OPERATING COMPANY	DUNN-FEDERAL B TR-2	13
18110 MELROSE OPERATING COMPANY	DUNN-FEDERAL B TR-3	15
18120 MELROSE OPERATING COMPANY	DUNN-FEDERAL B TR-3	17
18130 MELROSE OPERATING COMPANY	DUNN-FEDERAL B TR-2	19
18140 MELROSE OPERATING COMPANY	DUNN-FEDERAL B TR-2	20
18150 MELROSE OPERATING COMPANY	DUNN-FEDERAL B TR-3	23
18160 SDX RESOURCES INCORPORATED	DUNN B	24
18170 FLYNN-WELCH-YATES	C DUNN	1
18180 FLYNN-WELCH-YATES	C DUNN	2
18190 YATES DRILLING COMPANY	DUNN	1
18200 YATES DRILLING COMPANY	DUNN	2
18210 MELROSE OPERATING COMPANY	DUNN	3
18220 YATES DRILLING COMPANY	DUNN	4
18230 MELROSE OPERATING COMPANY	DUNN-FEDERAL B TR-1	5
18240 DEKALB ENERGY COMPANY	DUNN-FEDERAL B TR-3	16
18250 MELROSE OPERATING COMPANY	DUNN-FEDERAL B TR-3	18
18260 MELROSE OPERATING COMPANY	DUNN-FEDERAL B TR-3	21
18270 MELROSE OPERATING COMPANY	DUNN-FEDERAL B TR-3	22
18280 MELROSE OPERATING COMPANY	DUNN-FEDERAL B TR-3	26
18580 MURPHY OPERATING COMPANY	STATE C	5
18590 MELROSE OPERATING COMPANY	STATE C	6
21070 GRARIDGE CORPORATION	HUMBLE-THOMAS-STATE	1
21260 SDX RESOURCES INCORPORATED	ARTESIA UNIT	20
23110 KERSEY RED LAKE PREMIER	RED LAKE PSU-WELCH	18
23120 SDX RESOURCES INCORPORATED	STATE 647 A/C722	5

25410 MELROSE OPERATING COMPANY	ARTESIA UNIT		46
25420 MELROSE OPERATING COMPANY	ARTESIA UNIT		39
25430 MELROSE OPERATING COMPANY	ARTESIA UNIT		38
25440 MELROSE OPERATING COMPANY	ARTESIA UNIT		62
25450 MELROSE OPERATING COMPANY	ARTESIA UNIT		47
25460 CLOWER-HOVER ETAL	STATE A		1
25470 MELROSE OPERATING COMPANY	ARTESIA UNIT		42
25480 MELROSE OPERATING COMPANY	ARTESIA UNIT		60
25490 DEPCO INCORPORATED	RESLER-STATE	1X	
25500 SDX RESOURCES INCORPORATED	ARTESIA UNIT		61
25510 AMERICAN PETROFINA COMPANY OF	COWELL-STATE		11
25520 GRARIDGE CORPORATION	SOLT-STATE-WELCH		4
25530 ARCO PERMIAN	EMPIRE ABO UNIT "I"		30
25540 AMERICAN PETROFINA COMPANY OF	HUMBLE-STATE		2
25550 AMERICAN PETROFINA COMPANY OF	EDDY-HUMBLE-STATE		1
25560 ADAMSON J B	SMITH-STATE		1
25570 MCGONAGILL ALEC	CARPER-STATE		1
25580 BIXBY ETAL	FRY-STATE		1
25590 MALONEY-CHAMBERS	STATE		1
25600 SUNRAY OIL CORPOR	BOOKMAN-STATE		1
25610 DANCIGER OIL&REFININ	DAUGHERTY-STATE		1
25620 GRARIDGE CORP	COWELL-STATE		1
25630 AMERICAN PETROFINA COMPANY OF	COWELL-STATE		2
25640 FRONTIER PET CO	EDDY-HUMBLE		4
25650 FRONTIER PET CO	MCQUIGG		5
25660 SANDLOTT ENERGY (JACKIE BREWER	LEVERS-STATE		13
25670 AMERICAN PETROFINA COMPANY OF	DAUGHERTY-SOLT-STAT		1
25680 PETROLEUM CORP OF TX	SALT-STATE		4
25690 OHIO OIL COMPANY	NEW STATE-STATE B		1
25700 OHIO OIL COMPANY	NEW STATE-STATE		2
25710 AMERICAN PETROFINA COMPANY OF	LEVERS-STATE		3
25720 AMERICAN PETROFINA COMPANY OF	LEVERS-STATE		4
25730 AMERICAN PETROFINA COMPANY OF	LEVERS-STATE		5
25740 AMERICAN PETROFINA COMPANY OF	LEVERS-STATE		6
25750 RAINBOW ENERGY CORPORATION	LEVERS-STATE		7
25760 AMERICAN PETROFINA COMPANY OF	LEVERS-STATE		8
25770 GRARIDGE CORPORATION	LEVERS-STATE		9
25780 GRARIDGE CORPORATION	LEVERS-STATE		10
25790 AMERICAN PETROFINA COMPANY OF	SOLT-STATE		1
25800 MELROSE OPERATING COMPANY	FORREST-LEVERS-STAT		1
25810 MELROSE OPERATING COMPANY	FORREST-LEVERS-STAT		2
25820 MELROSE OPERATING COMPANY	FORREST-LEVERS-STAT		3
25830 MELROSE OPERATING COMPANY	FORREST-LEVERS-STAT		4
25840 AMERCN PETROFINA TX	SOLT-STATE-WELCH	W15	
25850 DANCIGER OIL&REFININ	KASEMAN-STATE		2
25860 DANCIGER OIL&REFININ	KASEMAN-STATE		3
25870 ARCO PERMIAN	EMPIRE(ABO)UNIT "I"		29
25880 PAN AMERICAN	STATE BL		1
25890 SANDLOTT ENERGY (JACKIE BREWER	DAUGHERTY-STATE		1
25900 AMERICAN PETROFINA COMPANY OF	HUMBLE-STOUT-STATE		1
25920 AMERICAN PETROFINA COMPANY OF	SOLT-STATE-WELCH		1
25930 AMERICAN PETROFINA COMPANY OF	CJ WILLIAMS-STATE		1

25940 AMERICAN PETROFINA COMPANY OF	LEVERS-STATE		12
25950 TEXACO INCORPORATED	LEVERS-STATE		1
25960 TEXACO INCORPORATED	LEVERS-STATE		2
25970 TEXACO INCORPORATED	LEVERS-STATE		4
25980 TEXACO INCORPORATED	LEVERS-STATE		6
25990 WORKMAN ETAL	THOMPSON		1
26000 BP AMERICA PRODUCTION COMPANY	OHIO-STATE B	27D	
26010 BP AMERICA PRODUCTION COMPANY	OHIO-STATE B	28D	
26020 BP AMERICA PRODUCTION COMPANY	STATE H	26D	
26030 AMERCN PETROFINA TX	LEVERS-STATE		11
26040 BP AMERICA PRODUCTION COMPANY	STATE BH	28E	
26050 BP AMERICA PRODUCTION COMPANY	STATE BH	27E	
26060 BP AMERICA PRODUCTION COMPANY	STATE BK	26E	
26070 BP AMERICA PRODUCTION COMPANY	STATE BN	25C	
26080 PHILLIPS PETROLEUM COMPANY	STATE		1
26090 AMERICAN PETROFINA COMPANY OF	SOLT-STATE		2
26100 BP AMERICA PRODUCTION COMPANY	NEW MEXICO STATE AU	22C	
26110 COCKBURN BARNEY	STATE-CAPOL		1
26120 D & H OIL COMPANY	STATE		1
26130 BP AMERICA PRODUCTION COMPANY	STATE EA	21B	
26140 ARCO PERMIAN	EMPIRE(ABO)UNIT "J"		23
26150 ARCO PERMIAN	EMPIRE(ABO)UNIT "7"		24
26160 ARCO PERMIAN	EMPIRE(ABO)UNIT "J"		24
26170 BP AMERICA PRODUCTION COMPANY	STATE A	24Z	
26180 MILLER BROTHERS	CAPITOL		1
26190 ARCO PERMIAN	EMPIRE(ABO)UNIT "J"		21
26200 BP AMERICA PRODUCTION COMPANY	STATE BB	22D	
26210 BP AMERICA PRODUCTION COMPANY	STATE BB	22E	
26220 BP AMERICA PRODUCTION COMPANY	STATE BB	21D	
26230 BP AMERICA PRODUCTION COMPANY	STATE BB	22F	
26240 PAN AMERICAN	STATE CD		1
26250 ARCO PERMIAN	ABO-STATE		23
26260 SAIKIN-OLIVER	SHUFFLEBURGER-STATE		1
26270 PENROC OIL CORPORATION	STATE N		2
26280 ARCO PERMIAN	EMPIRE ABO UNIT K		23
26290 BEDINGFIELD J E	HUMBLE		1
26300 MACK ENERGY CORPORATION	WEST ARTSA GRUN TR1		3
26310 COLLIER R D	TEXACO-STATE		2
26320 WELCH W C	SIMPSON-FEDERAL		1
26330 KERSEY & COMPANY	TEXACO-STATE		2
26340 MACK ENERGY CORPORATION	WEST ARTSA GRBG TR1		15
26350 MACK ENERGY CORPORATION	WEST ARTSA GRBG TR1		14
26360 MACK ENERGY CORPORATION	WEST ARTSA GRUN TR8		13
26370 DONNELLY DRLG CO	KELLY-STATE		1
26380 HAMMOND DAVID	EDDY-STATE BO A		1
26390 MACK ENERGY CORPORATION	WEST ARTSA GRBG TR1		7
26400 MARBOB ENERGY CORP	WS ARS(GRBRG)UN TR4		2
26410 MACK ENERGY CORPORATION	WEST ARTSA GRBG TR1		16
26420 MACK ENERGY CORPORATION	WEST ARTSA GRBG TR1		17
26430 MACK ENERGY CORPORATION	EDDY-STATE		1
26440 MACK ENERGY CORPORATION	KELLY-STATE		2
26450 MACK ENERGY CORPORATION	WEST ARTSA GRUN TR9		1

26460 MARBOB ENERGY CORPORATION	WEST ARTSA GRUN TR5	10
26470 H & S OIL COMPANY	WEST ARTSA GRUN TR2	4
26480 MACK ENERGY CORPORATION	WEST ARTSA GRUN TR2	4
26490 MACK ENERGY CORPORATION	WEST ARTSA GRUN TR5	12
26540 DEPCO INCORPORATED	ARTESIA UNIT	11
26550 MACK ENERGY CORPORATION	WEST ARTSA GRUN TR5	11
26560 SANDLOTT ENERGY (JACKIE BREWER	LEVERS-STATE A	1
26570 OHIO OIL COMPANY	NEW STATE-STATE	2
26580 MACK ENERGY CORPORATION	WEST ARTSA GRUN TR6	9
26590 MACK ENERGY CORPORATION	WEST ARTSA GRUN TR6	8
26600 TEXACO INCORPORATED	LEVERS-STATE	3
26610 TEXACO INCORPORATED	LEVERS-STATE	5
26620 NICHOLS LEONARD OIL	HUMBLE-STATE	1
26630 WEBB OIL COMPANY	HUMBLE-STATE	1
26640 MALCO-RESLER-YATES	STATE	16
26650 INTL O & G CORP	STATE 647	35
26660 MACK ENERGY CORPORATION	HUDSON-STATE	1
26670 MALCO-RESLER-YATES	STATE	44
26680 PRUIT-VALLEY DEV CO	SCHRAM-STATE	1
26690 SANDBURG PET CO	SCHRAM-STATE	1
26700 WEBB OIL COMPANY	HUMBLE-STATE	2
26710 PLUMMER AND MCKINLEY	HUMBLE-STATE	3
26720 SANDLOTT ENERGY (JACKIE BREWER	THOMAS-STATE	1
26730 JUDAH OIL	WELCH-WESTERN-STATE	1
26740 JUDAH OIL	WELCH-WESTERN-STATE	2
58890 DUNIGAN JAMES P INC	STATE	1
61140 RESLER AND YATES ETAL	DUNN B	14
61170 WELCH V S	NIX-STATE	1
61180 IBEX COMPANY	COWELL-STATE	WI10
61200 STEPHENS GLYNN	STEPHENS	1
61210 OHIO OIL COMPANY	JOHNSON	1
100790 SDX RESOURCES INCORPORATED	STATE 647 A/C722	1
101020 MARBOB ENERGY CORPORATION	PAN AM STATE	1
101070 MACK ENERGY CORPORATION	STATE "AB"	1
101090 SDX RESOURCES INCORPORATED	STATE 647 A/C722	3
101170 SDX RESOURCES INCORPORATED	DUNN-FEDERAL B TR-3	29
101180 MACK ENERGY CORPORATION	STATE AD	1
101290 CASTLE JB-WIGZELL HB	PHILLIPS-STATE	2A
101830 HANAGAN ROBERT G	CARPER-STATE	1
102050 JFG ENTERPRISES	HUMBLE STATE `23`	1
102300 KERSEY & COMPANY	WILLIAMS-FEDE A	3
102440 HANAGAN ROBERT G	STATE `AG`	1
102470 CFM OIL COMPANY	STATE B	1
102930 MELROSE OPERATING COMPANY	DUNN B	30
103130 KERSEY & COMPANY	STATE A	3
103280 MACK ENERGY CORPORATION	MARATHON-STATE	6
103300 MARBOB ENERGY CORP	SUNRAY STATE	1
104870 J D R LIMITED	BROOKS	23
105370 SHENANDOAH OIL CRP	STATE 647 A/C722	206
106220 YATES S P	DUNN	3
107810 DEKALB ENERGY COMPANY	DUNN B	31
107930 MELROSE OPERATING COMPANY	DUNN B	32

107950 SDX RESOURCES INCORPORATED	STATE 647 A/C722		9
108150 MELROSE OPERATING COMPANY	DUNN B		33
108180 SDX RESOURCES INCORPORATED	STATE 647 A/C722		8
108330 SDX RESOURCES INCORPORATED	STATE 647 A/C722		10
108340 SDX RESOURCES INCORPORATED	STATE 647 A/C722		13
109190 FEATHERSTONE OLEN F	BROOKS LUCIA		12
200190 SDX RESOURCES INCORPORATED	STATE 647 A/C722		16
200420 SDX RESOURCES INCORPORATED	STATE 647 A/C722		11
200430 SDX RESOURCES INCORPORATED	STATE 647 A/C722		12
200660 WELCH V S	SIMPSON		2
201800 PAN AMERICAN	STATE GAS COM V		1
202730 MELROSE OPERATING COMPANY	ARTESIA UNIT		65
203220 DEPCO INCORPORATED	ARTESIA UNIT	WI66	
203270 MELROSE OPERATING COMPANY	ARTESIA UNIT		67
203550 MARBOB ENERGY CORPORATION	STATE		2
205310 MARBOB ENERGY CORPORATION	N G PHILLIPS STATE		10
205860 S D X RESOURCES INC	WELCH RL STATE		10
208110 MARBOB ENERGY CORPORATION	PAN AM-STATE		2
211470 MARBOB ENERGY CORPORATION	STATE COM		2
212600 MARBOB ENERGY CORPORATION	PHILLIPS STATE /NG/		11
212720 MACK ENERGY CORPORATION	COLLIER STATE		2
213130 MARBOB ENERGY CORPORATION	N G PHILLIPS EST		12
213830 MARBOB ENERGY CORPORATION	PAN AM STATE		3
213920 MARBOB ENERGY CORPORATION	STATE		3
213940 BP AMERICA PRODUCTION COMPANY	EMPIRE ABO UNIT /F/		331
213950 BP AMERICA PRODUCTION COMPANY	EMPIRE ABO UNIT J		211
214410 MACK ENERGY CORPORATION	COLLIER STATE		3
214630 MARBOB ENERGY CORPORATION	DELHI STATE		3
214690 MARBOB ENERGY CORPORATION	WALKER STATE		1
215270 MARBOB ENERGY CORPORATION	STATE		4
215350 BP AMERICA PRODUCTION COMPANY	EMPIRE ABO U /E/		371
215360 ARCO OIL & GAS CORPORATION	EMPIRE ABO U /E/		381
215370 BP AMERICA PRODUCTION COMPANY	EMPIRE ABO U /F/		351
215380 ARCO PERMIAN	EMPIRE (ABO)UNIT"G"		311
215390 ARCO PERMIAN	EMPIRE ABO U /H/		261
215400 ARCO PERMIAN	EMPIRE ABO UNIT /H/		271
215410 ARCO PERMIAN	EMPIRE (ABO)UNIT"H"		291
215420 ARCO PERMIAN	EMPIRE(ABO)UNIT `I`		231
215530 BP AMERICA PRODUCTION COMPANY	EMPIRE ABO U /J/		201
215670 MARBOB ENERGY CORPORATION	N G PHILLIPS STATE		14
215940 WEBB OIL COMPANY	POWCO STATE		1
216030 MARBOB ENERGY CORPORATION	N G PHILLIPS STATE		15
216260 BP AMERICA PRODUCTION COMPANY	EMPIRE ABO U /J/	231A	
216320 MARBOB ENERGY CORPORATION	N B PHILLIPS		16
217120 MACK ENERGY CORPORATION	COLLIER STATE		4
217360 ARCO PERMIAN	EMPIRE(ABO)UNIT "I"		271
217370 ARCO PERMIAN	EMPIRE ABO UNIT /J/		232
217450 ARCO PERMIAN	WASHINGTON '33' STA		18
217460 BP AMERICA PRODUCTION COMPANY	EMPIRE ABO U J		221
217600 MARBOB ENERGY CORPORATION	PHILLIPS N G ST		17
217690 ARCO PERMIAN	EMPIRE ABO UNIT `G`		321
217840 BP AMERICA PRODUCTION COMPANY	EMPIRE ABO UNIT G	331A	

217850 CFM OIL COMPANY	GILLESPIE		1
217970 BP AMERICA PRODUCTION COMPANY	EMPIRE ABO UNIT /G/		341
218060 BP AMERICA PRODUCTION COMPANY	EMPIRE ABO U /F/	371A	
218080 MARBOB ENERGY CORPORATION	PHILLIPS N G ST		18
218090 MARBOB ENERGY CORPORATION	DELHI STATE		4
218220 BP AMERICA PRODUCTION COMPANY	EMPIRE ABO UNIT /E/		382
218230 CFM OIL COMPANY	GILLESPIE STATE		2
218260 BP AMERICA PRODUCTION COMPANY	EMPIRE ABO UNIT /E/		391
218400 MARBOB ENERGY CORPORATION	PHILLIPS N G STATE		19
218410 MARBOB ENERGY CORPORATION	PHILLIPS N G STATE		20
218790 MARBOB ENERGY CORP	PHILLIPS ST `NG`		21
218910 ARCO PERMIAN	EMPIRE ABO UNIT G		301
219030 CFM OIL COMPANY	GILLESPIE STATE		3
219280 CFM OIL COMPANY	GILLESPIE STATE		4
219620 BP AMERICA PRODUCTION COMPANY	EMPIRE ABO UNIT /F/		332
219630 BP AMERICA PRODUCTION COMPANY	EMPIRE ABO UNIT-F	361A	
219640 BP AMERICA PRODUCTION COMPANY	EMPIRE ABO UNIT G		342
219690 KERSEY & COMPANY	WILLIAMS-A		4
219750 ABO PETROLEUM CORPORATION	LOIS MAE STATE		2
220090 BP AMERICA PRODUCTION COMPANY	EMPIRE ABO UNIT /H/		272
220100 ARCO PERMIAN	EMPIRE (ABO)UNIT"H"		293
220110 BP AMERICA PRODUCTION COMPANY	EMPIRE ABO U /I/	281A	
220120 BP AMERICA PRODUCTION COMPANY	EMPIRE ABO UNIT-J		222
220150 MARBOB ENERGY CORPORATION	WALKER STATE		3
220160 MARBOB ENERGY CORPORATION	WALKER-STATE		4
220500 BP AMERICA PRODUCTION COMPANY	EMPIRE ABO UNIT-H		292
220720 MARBOB ENERGY CORPORATION	STATE /B/		3
221230 BP AMERICA PRODUCTION COMPANY	EMPIRE ABO UNIT G	351A	
221240 ARCO PERMIAN	WASHINGTON `33` STAT		28
221370 ARCO OIL & GAS CORPORATION	EMPIRE ABO UNIT F		372
221380 BP AMERICA PRODUCTION COMPANY	EMPIRE ABO UNIT F		381
221660 CFM OIL COMPANY	WOLF		1
222030 BP AMERICA PRODUCTION COMPANY	EMPIRE ABO UNIT E		372
222260 BP AMERICA PRODUCTION COMPANY	EMPIRE ABO UN /F/		333
222270 ARCO PERMIAN	EMPIRE ABO UNIT F		341
222980 WEBB OIL COMPANY	STATE		1
223620 CFM OIL COMPANY	WOLF		2
223680 HANSON ENERGY	WEST		1
223930 CFM OIL COMPANY	GILLESPIE STATE		6
224150 ARCO PERMIAN	WASHINGTON '33' STA		16
224160 ARCO PERMIAN	EMPIRE ABO UNIT `G`		332
224170 ARCO PERMIAN	WASHINGTON '33' STA		29
224180 TOMSCO ENERGY	LARA MICHELLE		3
224620 ARCO OIL & GAS CORPORATION	EMPIRE ABO U		373
224630 BP AMERICA PRODUCTION COMPANY	EMPIRE ABO UNIT /G/		343
224640 ARCO PERMIAN	WASHINGTON 33 STATE		26
224650 ARCO PERMIAN	WASHINGTON '33' STA		30
224860 ARCO PERMIAN	EMPIRE (ABO)UNIT"E"		341
224870 ARCO PERMIAN	EMPIRE(ABO)UNIT "E"		361
224890 BP AMERICA PRODUCTION COMPANY	EMPIRE ABO UNIT /I/		282
224900 ARCO PERMIAN	EMPIRE ABO UNIT "J"		233
224910 ARCO PERMIAN	EMPIRE ABO UNIT		231

224970 CFM OIL COMPANY	GILLESPIE STATE		7
224980 CFM OIL COMPANY	GILLESPIE STATE		8
225230 BP AMERICA PRODUCTION COMPANY	EMPIRE ABO UNIT /E/	351B	
225240 ARCO PERMIAN	WASHINGTON '33' STA		13
225250 BP AMERICA PRODUCTION COMPANY	EMPIRE ABO U		322
225260 BP AMERICA PRODUCTION COMPANY	EMPIRE ABO UNIT	272A	
225270 BP AMERICA PRODUCTION COMPANY	EMPIRE ABO U		223
225280 ARCO PERMIAN	EMPIRE ABO UNIT "K"	232A	
225500 CFM OIL COMPANY	GILLESPIE STATE		9
225510 CFM OIL COMPANY	GILLESPIE STATE		10
225800 CFM OIL COMPANY	GILLESPIE STATE		11
225920 ARCO PERMIAN	EMPIRE ABO UNIT /G/		313
225930 ARCO PERMIAN	EMPIRE ABO UNIT /J/		234
225940 ARCO PERMIAN	EMPIRE (ABO)UNIT"F"		322
225970 BP AMERICA PRODUCTION COMPANY	EMPIRE ABO UNIT		281
226040 ARCO PERMIAN	EMPIRE ABO UNIT /H/		302
226050 ARCO PERMIAN	WASHINGTON '33' STA		27
226060 BP AMERICA PRODUCTION COMPANY	EMPIRE ABO UNIT //		283
226070 BP AMERICA PRODUCTION COMPANY	EMPIRE ABO UNIT //	291B	
226160 CFM OIL COMPANY	GILLESPIE ST		12
226280 BP AMERICA PRODUCTION COMPANY	EMPIRE ABO UNIT /F/		352
226290 BP AMERICA PRODUCTION COMPANY	EMPIRE ABO UNIT		353
226300 BP AMERICA PRODUCTION COMPANY	EMPIRE ABO U /F/		362
226310 BP AMERICA PRODUCTION COMPANY	EMPIRE ABO U	333A	
226320 BP AMERICA PRODUCTION COMPANY	EMPIRE ABO U /H/		294
226330 ARCO PERMIAN	EMPIRE ABO UNIT /H/		295
226340 BP AMERICA PRODUCTION COMPANY	EMPIRE ABO UNIT "H"		303
226370 BP AMERICA PRODUCTION COMPANY	EMPIRE ABO UNIT /J/		212
226390 HANSON ENERGY	STATE /B/		4
226420 HANSON ENERGY	STATE /B/		5
226440 WEBB OIL COMPANY	GULF FLUSS		1
226450 HANSON ENERGY	STATE /B/		6
226530 HANSON ENERGY	ZAIT		1
226750 HANSON ENERGY	ZAIT		2
226760 HANSON ENERGY	STATE B		7
226970 BP AMERICA PRODUCTION COMPANY	EMPIRE ABO U //	261A	
227350 YATES PETROLEUM CORP	LUCAS STOR JZ ST CM		1
227500 ARCO PERMIAN	EMPIRE ABO U		251
227620 CFM OIL COMPANY	GILLESPIE ST		13
227650 BP AMERICA PRODUCTION COMPANY	EMPIRE ABO U /E/		383
227660 BP AMERICA PRODUCTION COMPANY	EMPIRE ABO U E		384
227670 BP AMERICA PRODUCTION COMPANY	EMPIRE ABO U		335
227680 BP AMERICA PRODUCTION COMPANY	EMPIRE ABO UT"F"		374
227720 BP AMERICA PRODUCTION COMPANY	EMPIRE ABO U		375
227750 BP AMERICA PRODUCTION COMPANY	EMPIRE ABO UT "E"	374A	
227760 ARCO PERMIAN	EMPIRE ABO UNIT "F"	382A	
227870 ARCO PERMIAN	EMPIRE ABO U G		334
228030 ARCO PERMIAN	EMPIRE ABO UNIT "D"		361
228040 BP AMERICA PRODUCTION COMPANY	EMPIRE ABO UNIT /E/		363
228050 ARCO PERMIAN	EMPIRE ABO UNIT "F"		373
228060 ARCO PERMIAN	EMPIRE ABO UNIT /F/	383A	
228130 CFM OIL COMPANY	STATE /B/ 1969 TR 1		10

228170 ARCO PERMIAN	EMPIRE ABO U E	362A	
228180 ARCO PERMIAN	EMPIRE ABO UNIT "E"		392
228190 ARCO PERMIAN	EMPIRE ABO UT "E"		393
228200 ARCO PERMIAN	EMPIRE ABO UNIT "F"	363A	
228210 ARCO PERMIAN	WASHINGTON '33' STA		17
228220 ARCO PERMIAN	WASHINGTON '33' STA		15
228230 ARCO PERMIAN	EMPIRE ABO U G	361B	
228250 ANADARKO PETROLEUM CORPORATION	EXXON STATE		1
228270 FROSTMAN OIL CORP	STATE"B"1969 TR 1		11
228280 CFM OIL COMPANY	STATE "B" 1969 TR 1		12
228290 CFM OIL COMPANY	STATE "B" 1969 TR 1		13
228360 WEBB OIL COMPANY	GULF-FLUSS		2
228370 WEBB OIL COMPANY	GULF FLUSS		3
228430 ARCO PERMIAN	EMPIRE ABO UNIT "E"		395
228440 ARCO PERMIAN	EMPIRE ABO UNIT "F"		354
228450 ARCO PERMIAN	EMPIRE ABO UT "G"		314
228460 ARCO PERMIAN	EMPIRE ABO UNIT "G"	352A	
228600 CFM OIL COMPANY	GILLESPIE ST		14
228630 ARCO PERMIAN	EMPIRE ABO UNIT "F"	342A	
228640 ARCO PERMIAN	EMPIRE ABO UNIT "G"	291A	
228650 ARCO PERMIAN	EMPIRE ABO UNIT "G"	353A	
228930 YATES PETROLEUM CORP	LUCAS STORE "KT" ST		1
228950 ARCO PERMIAN	EMPIRE ABO UNIT "F"		343
229060 ARCO PERMIAN	EMPIRE ABO U I	292A	
229100 ARCO PERMIAN	EMPIRE ABO UNIT		334
229110 ARCO PERMIAN	EMPIRE ABO UNIT "F"	391A	
229120 ARCO PERMIAN	EMPIRE ABO U H		341
229130 ARCO PERMIAN	EMPIRE ABO UN "J"		235
229190 ARCO PERMIAN	EMPIRE /ABO/ UT /F/		336
229270 ARCO PERMIAN	EMPIRE ABO U /F/		364
229490 MARBOB ENERGY CORP	PHILLIPS "NG" ST		22
229610 MEWBOURNE OIL COMPANY	EXXON STATE		2
229690 MARBOB ENERGY CORPORATION	STATE		5
230120 HANSON ENERGY	ZAIT		3
230190 MARBOB ENERGY CORPORATION	PHILLIPS N G		23
230280 WEBB OIL COMPANY	CAMILLE		1
230290 WEBB OIL COMPANY	CAMILLE		2
230550 MARBOB ENERGY CORPORATION	PAN-AM STATE		4
230620 HANSON ENERGY	ZAIT		4
230700 MARBOB ENERGY CORPORATION	DELHI STATE		5
230820 CFM OIL COMPANY	WOLF		3
230880 MARBOB ENERGY CORPORATION	ABO		2
231040 J D R LIMITED	BROOKS		24
231130 MARBOB ENERGY CORP	W ARTESIA GBG U TR6		20
231160 ARCO PERMIAN	EMPIRE ABO UT /J/		213
231170 MARBOB ENERGY CORPORATION	ABO		3
231380 CFM OIL COMPANY	STATE "B-1111" TR 1		8
231390 CFM OIL COMPANY	STATE /B-1111/TR 1		9
231400 CFM OIL COMPANY	STATE "B-1111" TR 1		11
231410 CFM OIL COMPANY	STATE B-1969 TR 2		14
231420 CFM OIL COMPANY	STATE "B-1969"		15
231430 CFM OIL COMPANY	STATE "B-1969" TR 2		17

231650 KERSEY & COMPANY	RED LAKE SAND UNIT		3
232250 SDX RESOURCES	DUNN `B` FEDERAL		37
232310 CFM OIL COMPANY	STATE "B-1111" TR 1		10
232320 CFM OIL COMPANY	STATE "B-1969" TR 2		16
232440 CFM OIL COMPANY	STATE B-1969 TR 3		18
232450 COLLIER ENERGY INC	STATE B-1969 TR 3		19
232460 CFM OIL COMPANY	STATE B-1969 TR 3		20
232470 CFM OIL COMPANY	STATE B-1969 TR 3		21
232630 B & J PROD COMPANY	SUNRAY STATE		3
233100 CFM OIL COMPANY	WOLF		4
233300 MARBOB ENERGY CORPORATION	ABO		4
233950 CFM OIL COMPANY	STATE /B-1969/ TR 3	19Y	
234340 WEBB OIL COMPANY	CAMILLE		3
234350 WEBB OIL COMPANY	CAMILLE		4
234510 CFM OIL COMPANY	STATE "B-1111" TR 2		12
234520 CFM OIL COMPANY	STATE "B-111" TR 2		13
234530 CFM OIL COMPANY	STATE "B-111" TR 2		14
234540 CFM OIL COMPANY	STATE `B-1111` TR 2	15A	
234550 CFM OIL COMPANY	STATE "B-1111" TR 2		16
234560 CFM OIL COMPANY	STATE "B-1111" TR 2		17
234740 CFM OIL COMPANY	STATE "B-1969" TR 4		22
234750 CFM OIL COMPANY	STATE /B-1969/TR4		23
234760 CFM OIL COMPANY	STATE /B-1969/TR4		24
234770 CFM OIL COMPANY	STATE /B-1969/ TR 4		25
234780 CFM OIL COMPANY	STATE B-1969 TR4		26
234790 COLLIER ENERGY INC	STATE /B-1969/ TR4		27
234840 MARBOB ENERGY CORPORATION	STATE /23/		1
235180 MARBOB ENERGY CORPORATION	STATE /22/		1
235470 ARCO PERMIAN	EMPIRE ABO UT /J/		241
235480 ARCO PERMIAN	EMPIRE ABO UNIT /K/	211A	
235500 COLLIER ENERGY INC	STATE B-1969 TR 4	27-Y	
235540 MARBOB ENERGY CORPORATION	PHILLIPS N G STATE		24
235680 MARBOB ENERGY CORP	PHILLIPS N G STATE		13
235690 CFM OIL COMPANY	STATE "B-1111" TR 2		18
235700 CFM OIL COMPANY	STATE "B-1111" TR 2		19
235710 CFM OIL COMPANY	STATE B-1111 TR 2		20
235720 CFM OIL COMPANY	STATE "B-1111" TR 2		21
235730 CFM OIL COMPANY	STATE B-1969 TR4		20
235740 CFM OIL COMPANY	STATE "B-1969" TR 4		21
235970 SMITH & MARRS INCORPORATED	RDLK(PRMRS D)UN TR8A		5
236190 MACK ENERGY CORPORATION	W ARTSIA GBG U TR2		21
236390 MACK ENERGY CORPORATION	W ARTSA GRBG UT/TR5		22
236400 MARBOB ENERGY CORPORATION	PHILLIPS N G STATE		25
236480 MARBOB ENERGY CORPORATION	W ARTSA GRBG UT/TR5		23
236610 CFM OIL COMPANY	STATE "B-1111" TR 2		22
237170 MARBOB ENERGY CORPORATION	PHILLIPS N G STATE		26
237240 MACK ENERGY CORPORATION	W ARTESA(GBG)UN T12		24
237360 MARBOB ENERGY CORPORATION	PHILLIPS N G STATE		27
237410 MARBOB ENERGY CORPORATION	W ARTESIA/GRBG/U T8		25
237420 MARBOB ENERGY CORPORATION	PHILLIPS N G STATE		28
237430 MARBOB ENERGY CORPORATION	PHILLIPS N G STATE		29
237840 MACK ENERGY CORPORATION	W ARTESIA/GBG/U TR2		26

238150 MACK ENERGY CORPORATION	DONNELLY-KLLY STATE	3
238630 MARBOB ENERGY CORPORATION	GILLESPIE STATE	1
238690 MACK ENERGY CORPORATION	W ARTESIA/GRBG/UTR4	27
239250 SMITH & MARRS INCORPORATED	RD LK(PRMR SD)U T 5	7
239840 MARBOB ENERGY CORP	GILLESPIE STATE	2
239870 KERSEY & COMPANY	WILLIAMS "A"	5
240000 KERSEY & COMPANY	RED LAKE (PREMIER S	7
240050 DEVON ENERGY CORPORATION	FEATHERSTONE STATE	1
240220 MARBOB ENERGY CORPORATION	COLLIER	10
240590 MEWBOURNE OIL COMPANY	STATE 'BX' COM	1
240640 CFM OIL COMPANY	STATE 'SRC'	1
241210 MARBOB ENERGY CORPORATION	GILLESPIE STATE	3
241260 MARBOB ENERGY CORPORATION	GILLESPIE STATE	4
241830 MARBOB ENERGY CORPORATION	PHILLIPS STATE 'NG'	30
242040 MARBOB ENERGY CORPORATION	COLLIER STATE	11
242260 MARBOB ENERGY CORPORATION	COLLIER STATE	12
242590 MARBOB ENERGY CORPORATION	PHILLIPS STATE 'NG'	31
243090 MARBOB ENERGY CORPORATION	SRC STATE	1
243440 MARBOB ENERGY CORPORATION	STATE "MO"	1
244460 MARBOB ENERGY CORPORATION	THOMAS SCOTT	4
244770 MARBOB ENERGY CORPORATION	PHILLIPS STATE 'NG'	32
244850 PHILLIPS PETROLEUM COMPANY	ILLINOIS CAMP'A' COM	1
245210 MARBOB ENERGY CORPORATION	T J STATE	1
245320 MARBOB ENERGY CORPORATION	PHILLIPS STATE 'NG'	33
245640 MARBOB ENERGY CORPORATION	PHILLIPS STATE 'NG'	34
245690 MARBOB ENERGY CORPORATION	SUNRAY STATE	2
246110 MARBOB ENERGY CORPORATION	SAMEDAN STATE	1
246200 MARBOB ENERGY CORPORATION	PHILLIPS STATE 'NG'	35
247530 MARBOB ENERGY CORPORATION	GILLESPIE STATE	5
247570 MARBOB ENERGY CORPORATION	STATE 'CT'	1
247740 MOREXCO INCORPORATED	SUN STATE	1
247760 MARBOB ENERGY CORPORATION	PHILLIPS'NG' STATE	36
247830 FORREST ROBERT H JR OIL LLC	VAQUERO	1
247850 MOREXCO INCORPORATED	AMIN STATE	1
248050 MARBOB ENERGY CORPORATION	COCKATOO STATE	1
248480 MARBOB ENERGY CORPORATION	PHILLIPS STATE 'NG'	37
248670 MARBOB ENERGY CORPORATION	COLLIER STATE	13
248700 EASTLAND OIL COMPANY THE	EXXON	1
248790 SANTA RITA EXPL CORP	SUN STATE	2
248870 MACK ENERGY CORPORATION	HUDSON-SAIKIN STATE	2
248950 MARBOB ENERGY CORPORATION	EDDY 'AWH' STATE	1
249100 MARBOB ENERGY CORPORATION	LARA MICHELLE	1
249250 EASTLAND OIL COMPANY THE	HUMBLE	1
249260 EASTLAND OIL COMPANY THE	EXXON	2
249750 YATES DRILLING COMPANY	MESA '20-1' STATE	3
249920 MARBOB ENERGY CORPORATION	COLLIER STATE	14
249930 MARBOB ENERGY CORPORATION	COLLIER STATE	15
250130 BP AMERICA PRODUCTION COMPANY	STATE 'CC'	1
250150 BROTHERS PRODUCTION COMPANY IN	TWO FORKS STATE	2
250170 MARBOB ENERGY CORPORATION	MONCRIEF STATE	1
250180 MARBOB ENERGY CORPORATION	COCKATOO STATE	2
250860 ANADARKO PETROLEUM CORPORATION	FEDERAL "11"	1

251150 WEBB OIL COMPANY	GULF STATE	4
251180 MARBOB ENERGY CORPORATION	M C STATE	1
251580 MARBOB ENERGY CORPORATION	COLLIER STATE	16
251590 MARBOB ENERGY CORPORATION	COLLIER STATE	17
252360 MOREXCO INC	STATE `BY`	1
252400 MARBOB ENERGY CORPORATION	TENNECO FEE	1
252710 DUKE ENERGY FIELD SERVICES LP	ARTESIA SALT WATER	1
252770 MACK ENERGY CORPORATION	SOLT-STATE	1
252780 MACK ENERGY CORPORATION	SOLT-STATE	2
253610 ARCO PERMIAN	STATE `CG`	1
253710 SANDLOTT ENERGY (JACKIE BREWER	THOMAS STATE	2
253720 SANDLOTT ENERGY (JACKIE BREWER	HUMBLE-THOMAS STATE	2
253900 MACK ENERGY CORPORATION	SOLT STATE	3
253910 MACK ENERGY CORPORATION	SOLT STATE	4
254020 MACK ENERGY CORPORATION	STATE "AE"	1
254030 MACK ENERGY CORPORATION	STATE "AE"	2
254700 MARBOB ENERGY CORPORATION	MOORE STATE	3
254710 MARBOB ENERGY CORPORATION	AMOCO STATE "A"	3
254750 MARBOB ENERGY CORPORATION	GILLESPIE STATE	6
254930 MARBOB ENERGY CORPORATION	MICHELLE LARA	2
255030 POOL FRED DRILLING INCORPORATE	KIMBERLY STATE	1
255080 MARBOB ENERGY CORPORATION	AMOCO STATE "A"	2
255130 MARBOB ENERGY CORPORATION	PHILLIPS "NG" STATE	38
255220 I & W INCORPORATED	SOLT WALTER STATE	1
256010 MARBOB ENERGY CORPORATION	FLEMMING STATE	1
256210 WEBB OIL COMPANY	POWCO STATE	2
256360 MARBOB ENERGY CORPORATION	FLEMMING STATE	2
256750 EASTLAND OIL COMPANY THE	LAUREL STATE	2
256780 MARBOB ENERGY CORPORATION	FLEMMING STATE	3
257030 JUDAH OIL	WELCH STATE	1
257040		4
258450 MARBOB ENERGY CORPORATION	ELK STATE	1
259970 EASTLAND OIL COMPANY THE	LAUREL STATE	1
264520 SDX RESOURCES	ARTESIA UNIT	68
268950 SANDLOTT ENERGY (JACKIE BREWER	LEVERS "A" STATE	2
268960 SANDLOTT ENERGY (JACKIE BREWER	LEVERS "A" STATE	3
269430 MEWBOURNE OIL COMPANY	CHALK BLUFF"6"STATE	1
271610 SDX RESOURCES	ARTESIA UNIT	70
275920 NAVAJO REFINING COMPANY	CHALK BLUFF '31' ST	WD-1
276190 MARBOB ENERGY CORPORATION	ARCO "26-1" STATE	1
280080 MELROSE OPERATING COMPANY	DUNN "B" FEDERAL	36
280090 MELROSE OPERATING COMPANY	DUNN "B" FEDERAL	34
280100 MELROSE OPERATING COMPANY	DUNN "B" FEDERAL	35
282440 MELROSE OPERATING COMPANY	DUNN `B` FEDERAL	38
282450 MELROSE OPERATING COMPANY	DUNN `B` FEDERAL	39
282470 MELROSE OPERATING COMPANY	DUNN 'B' FEDERAL	46
282750		41
283410		50
283930		48
286000 CAMERON OIL & GAS	SOLT S A	1
287640 CAMERON OIL & GAS	SOLT S A	2
288520 EOG RESOURCES INCORPORATED	EMPIRE '5' STATE CO	1

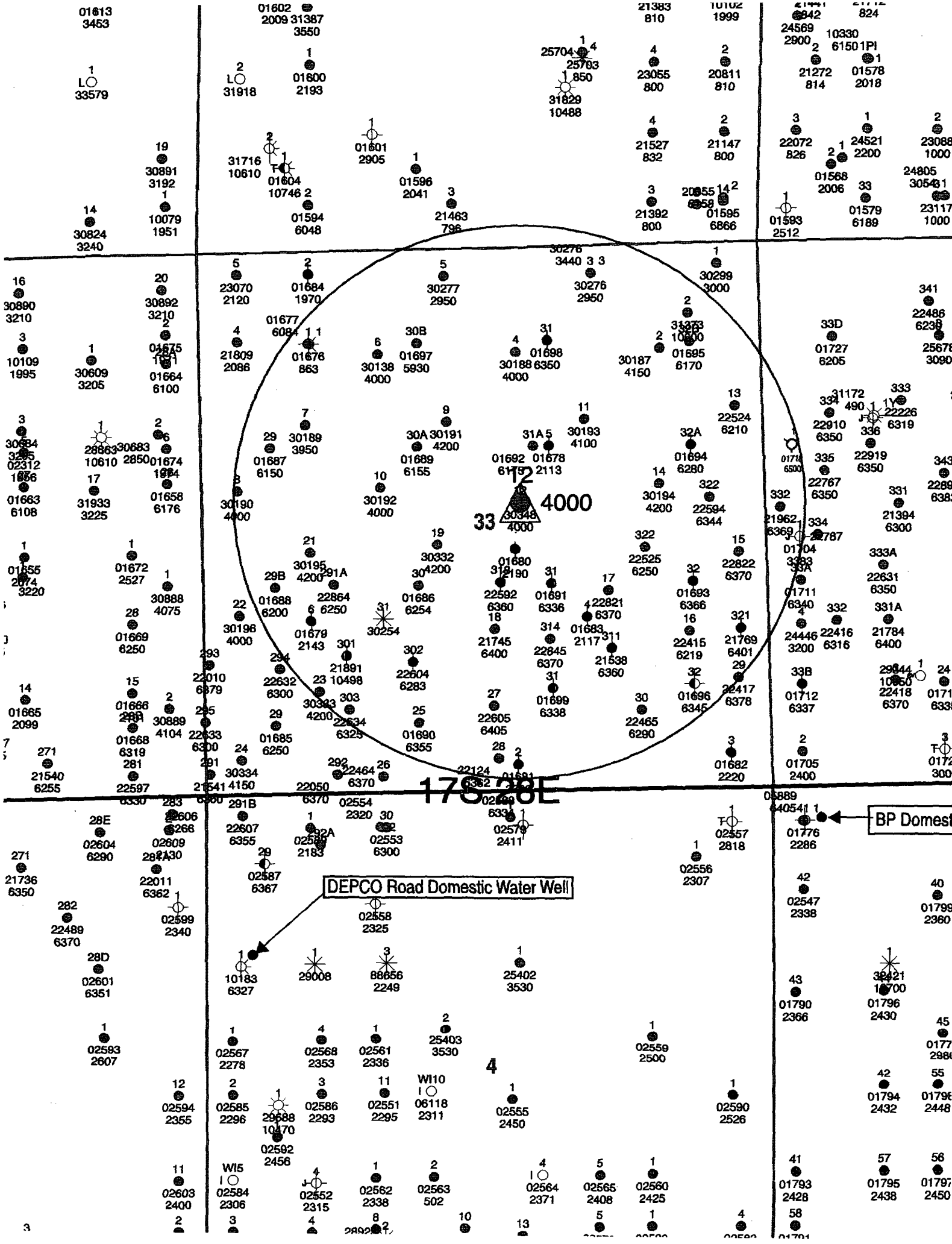
288630 ARCO PERMIAN	DANCER '32' STATE C	1
289230		2
289460 ARCO PERMIAN	DINAH '23' FEDERAL	1
289580 MARBOB ENERGY CORPORATION	ARCO '26A' STATE	2
289890 CAMERON OIL & GAS	SOLT S A	3
289900 CAMERON OIL & GAS	SOLT S A	4
290080		1
290410		261
290470 SDX RESOURCES	ARCO '26A' STATE	3
291330 OCCIDENTAL PERMIAN LIMITED	EVELYN '35' STATE C	1
291500 MARBOB ENERGY CORPORATION	ARCO '26A' STATE	4
291650 DOMINION OKLAHOMA TEXAS EXPL &	FIREWEED '10' FEDER	1
292200		1
292310 MOREXCO INC	TEJON STATE	1
292820 MARBOB ENERGY CORPORATION	ARCO '26A' STATE	5
293440 ARCO PERMIAN	WASHINGTON '34'	1
293520 MARBOB ENERGY CORPORATION	ARCO '26A' STATE	6
294130 SDX RESOURCES INCORPORATED	MARATHON '26' STATE	1
295560 SDX RESOURCES INCORPORATED	MARATHON '26' STATE	2
295570 SDX RESOURCES INCORPORATED	MARATHON '26' STATE	3
295580		26-Apr
295590 SDX RESOURCES INCORPORATED	MARATHON '26' STATE	5
296000		1
296620 MARBOB ENERGY CORPORATION	ARCO '26A' STATE	7
296880 MEWBOURNE OIL CO	SCOGGIN DRAW '4' ST	1
297000 MELROSE OPERATING COMPANY	ARTESIA UNIT	69
297490 MACK ENERGY CORP	WHITE OAK STATE	1
298520 MARBOB ENERGY CORPORATION	ARCO '26A' STATE	8
298530		9
298540 MARBOB ENERGY CORPORATION	ARCO '26A' STATE	10
298620 MELROSE OPERATING COMPANY	ARTESIA UNIT	71
298630 MELROSE OPERATING COMPANY	ARTESIA UNIT	72
298750 MARBOB ENERGY CORP	MIMOSA '8' STATE CO	1
299050 MARBOB ENERGY CORPORATION	ARCO '26A' STATE	11
299970 MELROSE OPERATING COMPANY	ARTESIA UNIT	73
299990 MELROSE OPERATING COMPANY	ARTESIA UNIT	75
300000 MELROSE OPERATING COMPANY	ARTESIA UNIT	76
300010 MELROSE OPERATING COMPANY	ARTESIA UNIT	77
300020 MELROSE OPERATING COMPANY	ARTESIA UNIT	78
301380 ARCO PERMIAN	WASHINGTON '33' STA	6
301830		82
301850		80
301870 ARCO PERMIAN	WASHINGTON '33' STA	2
301880 ARCO PERMIAN	WASHINGTON '33' STA	4
301890 ARCO PERMIAN	WASHINGTON '33' STA	7
301900 ARCO PERMIAN	WASHINGTON '33' STA	8
301910 ARCO PERMIAN	WASHINGTON '33' STA	9
301920 ARCO PERMIAN	WASHINGTON '33' STA	10
301930 ARCO PERMIAN	WASHINGTON '33' STA	11
301940 ARCO PERMIAN	WASHINGTON '33' STA	14
301950 ARCO PERMIAN	WASHINGTON '33' STA	21
301960 ARCO PERMIAN	WASHINGTON '33' STA	22

302540		31
302760 ARCO PERMIAN	WASHINGTON '33' STA	3
302770 ARCO PERMIAN	WASHINGTON '33' STA	5
302990 ARCO PERMIAN	WASHINGTON '33' STA	1
303320 ARCO PERMIAN	WASHINGTON '33' STA	19
303330 ARCO PERMIAN	WASHINGTON '33' STA	23
303340 ARCO PERMIAN	WASHINGTON '33' STA	24
303480 ARCO PERMIAN	WASHINGTON '33' STA	12
305270 OXY USA INCORPORATED	OXY P I B FEDERAL	1
305770 MARBOB ENERGY CORP	OXY MALT-O-MEAL ST	1
306020		81
306090 SDX RESOURCES INCORPORATED	NW STATE	1
306560		1
306830 SDX RESOURCES INCORPORATED	NW STATE	2
306840 SDX RESOURCES INCORPORATED	NW STATE	3
306850 SDX RESOURCES INCORPORATED	NW STATE	7
307340 SDX RESOURCES INCORPORATED	NW STATE	4
307440 MARBOB ENERGY CORPORATION	MONCRIEF STATE	2
307600 SDX RESOURCES INCORPORATED	NW STATE	10
307620 MARBOB ENERGY CORP	TH STATE	1
307730 MARBOB ENERGY CORPORATION	SAMEDAN STATE	2
307770 SDX RESOURCES INCORPORATED	NW STATE	6
307810 SDX RESOURCES INCORPORATED	NW STATE	5
307830 SDX RESOURCES INCORPORATED	NW STATE	11
307840 SDX RESOURCES INCORPORATED	NW STATE	12
307850 SDX RESOURCES INCORPORATED	NW STATE	15
308150 SDX RESOURCES INCORPORATED	NW STATE	8
308240 SDX RESOURCES INCORPORATED	NW STATE	14
308490 SDX RESOURCES INCORPORATED	NW STATE	9
308870 SDX RESOURCES INCORPORATED	JEFFERS STATE	1
308880 SDX RESOURCES INCORPORATED	KERSEY STATE	1
308890 SDX RESOURCES INCORPORATED	KERSEY STATE	2
308900 SDX RESOURCES INCORPORATED	NW STATE	16
308910 SDX RESOURCES INCORPORATED	NW STATE	19
308920 SDX RESOURCES INCORPORATED	NW STATE	20
308930 SDX RESOURCES INCORPORATED	NW STATE	28
309550 MARBOB ENERGY CORPORATION	OXY 'BOC' STATE	1
309670 OXY USA WTP LP	OXY SPEED BUMP FED	1
309760 MARBOB ENERGY CORPORATION	STATE 'D'	3
309770 MARBOB ENERGY CORPORATION	STATE 'D'	18
310430 DOMINION OKLAHOMA TEXAS EXPLOR	RIO CINCO '26' STATE	1
310660 SDX RESOURCES INCORPORATED	MARATHON '26' STATE	4
310670 SDX RESOURCES INCORPORATED	MARATHON '26' STATE	18
310860 MARBOB ENERGY CORPORATION	LP STATE	1
310870 MARBOB ENERGY CORPORATION	LP STATE	3
310880 MARBOB ENERGY CORP	LP STATE	4
311070		1
311090 MARBOB ENERGY CORP	LP STATE	2
311240 S D X RESOURCES INC		2
311720 LOUIS DREYFUS NATURA	GERONIMO '34' ST CM	1
311730 DOMINION OKLAHOMA TEXAS EXPLOR	GERONIMO '27' STATE	1
311840 RICKS EXPLORATION INCORPORATED	RIO OCHO '26' STATE	1

312050 S D X RESOURCES INC		4
312710 S D X RESOURCES INC	1A	
312840 SDX RESOURCES INCORPORATED	STALEY STATE	1
312850 S D X RESOURCES INC	STALEY STATE	2
312860 S D X RESOURCES INC	STALEY STATE	3
312870 S D X RESOURCES INC	STALEY STATE	4
312880 S D X RESOURCES INC	STALEY STATE	5
312890 S D X RESOURCES INC	STALEY STATE	6
312930 DOMINION OKLAHOMA TEXAS EXPLOR	GERONIMO '34' ST CM	1Y
313190 EASTLAND OIL COMPANY THE	LAUREL STATE	3
313270 EOG RESOURCES INC	STARBUCK '19' FED	1
313440 MACK ENERGY CORPORATION	WHITE OAK STATE	2
313450 MACK ENERGY CORPORATION	WHITE OAK STATE	3
313460 MACK ENERGY CORPORATION	WHITE OAK STATE	4
313470 MACK ENERGY CORPORATION	WHITE OAK STATE	5
313480 MACK ENERGY CORPORATION	WHITE OAK STATE	6
313630 OXY USA WTP LP	OXY THE BUG STATE	1
313640		3
313730 DOMINION OKLAHOMA TEXAS EXPLOR	GERONIMO '33' STATE	2
313870 S D X RESOURCES INC	TIGNER STATE	1
313890 MARBOB ENERGY CORPORATION	STATE 'D'	19
314210 MARBOB ENERGY CORPORATION	STATE 'D'	2
314220 MARBOB ENERGY CORPORATION	STATE 'D'	5
314230 MARBOB ENERGY CORPORATION	STATE 'D'	7
314240 MARBOB ENERGY CORPORATION	STATE 'D'	8
314250 MARBOB ENERGY CORPORATION	STATE 'D'	9
314260 MARBOB ENERGY CORPORATION	STATE 'D'	17
314430 S D X RESOURCES INC		19
314610 S D X RESOURCES INC		2
314620 MELROSE OPERATING CO		80
314630 MELROSE OPERATING CO		81
314640 MELROSE OPERATING CO		82
314850 MELROSE OPERATING CO		85
314860 MELROSE OPERATING CO		86
314870 MELROSE OPERATING CO		87
314880 MELROSE OPERATING COMPANY	ARTESIA UNIT	88
314890 MELROSE OPERATING CO		89
315300 S D X RESOURCES INC	ENRON STATE	1
315500 DOMINION OKLAHOMA TEXAS EXPLOR	GERONIMO '34' STATE	2
316420 S D X RESOURCES INC		1
316790		1
316990 OXY USA WTP LP	OXY THE BUG FEDERAL	2
317000 OXY USA WTP LP	OXY GRANDSLAM FEDER	1Q
317160 LOUIS DREYFUS NATURA	GERONIMO 27 ST COM	2
318290 DOMINION OKLAHOMA TEXAS EXPLOR	GERONIMO '28' STATE	1
319160 SDX RESOURCES INCORPORATED	WELCH RL STATE	1
319170 SDX RESOURCES INCORPORATED	WELCH RL STATE	2
319180 S D X RESOURCES INC		2
319200 SDX RESOURCES INCORPORATED	ENRON STATE	2
319220		
319230 MELROSE OPERATING COMPANY	ARTESIA UNIT	91
319330 SDX RESOURCES INCORPORATED	NW STATE	17

319340 SDX RESOURCES INCORPORATED	NW STATE	18
320740 OXY USA WTP LP	OXY SPARKY FEDERA	1
321620 SDX RESOURCES INCORPORATED	ENRON STATE	4
323240 DUKE ENERGY FLD SER	DUKE `AGI`	1
324210 BP AMERICA PRODTN CO	RED LAKE 3 STATE	1
324540 S D X RESOURCES INC	WELCH RL STATE	3
324560 SDX RESOURCES INCORPORATED	WELCH RL STATE	6
324590 S D X RESOURCES INC	WILLIAMS A FEDERAL	2
324820 MARBOB ENERGY CORPORATION	D STATE	6
324830 MARBOB ENERGY CORPORATION	D STATE	15
324840 MARBOB ENERGY CORPORATION	D STATE	32
324890 MARBOB ENERGY CORPORATION	D STATE	13
324900 MARBOB ENERGY CORPORATION	D STATE	14
324920 MARBOB ENERGY CORP	D STATE	20
325540 SDX RESOURCES INCORPORATED	WILLIAMS A FEDERAL	12
326490 MARBOB ENERGY CORPORATION	D STATE	4
331000 MACK ENERGY CORPORATION	RED LAKE SAND UNIT	38
331090 MACK ENERGY CORPORATION	RED LAKE SAND UNIT	36
331100 MACK ENERGY CORPORATION	RED LAKE SAND UNIT	37
331280 S D X RESOURCES INC	WILLIAMS B FEDERAL	1
331290 S D X RESOURCES INC	WILLIAMS A FEDERAL	3
331660 MACK ENERGY CORPORATION	RED LAKE SAND UNIT	40
331670 MACK ENERGY CORPORATION	MAPLE STATE	1
331880 MACK ENERGY CORP	RED LAKE SAND UNIT	39
331960 MACK ENERGY CORP	RED LAKE SAND UNIT	43
331980 MACK ENERGY CORPORATION	RED LAKE SAND UNIT	45
331990 MACK ENERGY CORPORATION	RED LAKE SAND UNIT	46
332000 MACK ENERGY CORPORATION	RED LAKE SAND UNIT	47
332010 MACK ENERGY CORPORATION	RED LAKE SAND UNIT	48
332840 MELROSE OPERATING COMPANY	ARTESIA UNIT	100
332850 MELROSE OPERATING COMPANY	ARTESIA UNIT	101
332860 MELROSE OPERATING COMPANY	ARTESIA UNIT	102
332870 MELROSE OPERATING CO	ARTESIA UNIT	103
332880 MELROSE OPERATING CO	ARTESIA UNIT	104
332910 MACK ENERGY CORP	RED LAKE SAND UNIT	65
332960 MACK ENERGY CORPORATION	RED LAKE SAND UNIT	74
332970 MACK ENERGY CORPORATION	RED LAKE SAND UNIT	73
332990 MACK ENERGY CORP	RED LAKE SAND UNIT	71
333000 MACK ENERGY CORPORATION	RED LAKE SAND UNIT	70
333010 MACK ENERGY CORP	RED LAKE SAND UNIT	35
333070 MACK ENERGY CORP	RED LAKE SAND UNIT	68
333080 MACK ENERGY CORP	RED LAKE SAND UNIT	75
333090 MACK ENERGY CORP	RED LAKE SAND UNIT	76
333100 MACK ENERGY CORP	RED LAKE SAND UNIT	67
333110 MACK ENERGY CORP	RED LAKE SAND UNIT	63
333250 MACK ENERGY CORP	RED LAKE SAND UNIT	64
333260 MACK ENERGY CORP	RED LAKE SAND UNIT	66
333280 MACK ENERGY CORP	RED LAKE SAND UNIT	61
333310 MACK ENERGY CORP	RED LAKE SAND UNIT	53
333330 MACK ENERGY CORP	RED LAKE SAND UNIT	55
333340 MACK ENERGY CORP	RED LAKE SAND UNIT	57
333420 MACK ENERGY CORP	RED LAKE SAND UNIT	58

333460 MACK ENERGY CORP	RED LAKE SAND UNIT	56
333700 MACK ENERGY CORP	RED LAKE SAND UNIT	79
334780 MARBOB ENERGY CORP	DAD STATE	37
334800 MARBOB ENERGY CORP	DAD STATE	38
335790 EDGE PET OPER CO INC	RED LAKE 29-I STATE	1
335960 OXY USA WTP LP	OXY GARTER STATE	1
336330 MELROSE OPERATING CO	ARTESIA UNIT	85
336340 MELROSE OPERATING CO	ARTESIA UNIT	86
336350 MELROSE OPERATING CO	ARTESIA UNIT	87
336360 MELROSE OPERATING CO	ARTESIA UNIT	89
336500 S D X RESOURCES INC	SEDONA	1
336510 S D X RESOURCES INC	WYLIE	1
336890 S D X RESOURCES INC	WILLIAMS KERSY A FE	7
337010 MACK ENERGY CORP	RAPTOR STATE	1



17820E

DEPCO Road Domestic Water Well

BP Domestic

4

Tabulation of Data on Wells in Area of Review
Washington 33 State Lease Waterflood
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Lease & Well Number API Number	Operator	Location		Type	Date Spud	Hole Size	Casing	Casing Depth Ft	Cmt Volume Sx	Cmt Yd F3/Sx	Annular Space F3/F3	TOC Feet From Surface	TOC How measured	Well Depth TD	Well Depth PBTD Zone	Parts	Comment
		Sec.	Twn. Rg														
29 Empire Abo Unit F 30-015-01687	BP America Prod Co.	1980 FNL & 620 FWL	33 17 S 28 E	Oil	5/13/60	11.250 7.875	8 5/8" 4 1/2" Remedial SQ Holes @ 2008'	1003 6150 2008	450 800 900	0.66 0.66 0.66	3.514 4.390 4.390	surface 2058 surface	CIRC CBL CIRC	6150	6108 Abo Reef	5882'-6053'	OA
291 Empire Abo Unit G 30-015-22864	BP America Prod Co.	2000 FSL 1200 FWL	33 17 S 28 E	Oil	4/21/79	11.000 7.875	8 5/8" 5 1/2" 5 1/2 DV tool @	768 6250 3018	800 700 850	0.66 0.66 0.66	3.934 5.772 5.772	surface 3018 surface	CIRC CIRC @ DV CIRC	6250	6212 Abo Reef	6173'-6193' 6020'-6120'	
314 Empire Abo Unit G 30-015-22845	BP America Prod Co.	1450 FSL & 2000 FEL	33 17 S 28 E	Oil	4/3/79	11.000 7.875	8 5/8" 5 1/2" 5 1/2 DV tool @	763 6369 2983	600 780 875	0.66 0.66 0.66	3.934 5.772 5.772	surface 2983 surface	CIRC CIRC @ DV CIRC	6370	6199 Abo Reef	5953'-6082'	
303 Empire Abo Unit H 30-015-22634	BP America Prod Co.	800 FSL & 1340 FWL	33 17 S 28 E	Oil	11/17/78	11.000 7.875	8 5/8" 5 1/2" 5 1/2 DV tool @	600 6325 3025	400 700 900	0.66 0.66 0.66	3.934 5.772 5.772	surface 3025 surface	CIRC CIRC @ DV CIRC	6325	6271 Abo Reef	6195'-6220'	
294 Empire Abo Unit H 30-015-22632	BP America Prod Co.	1200 FSL & 700 FWL	33 17 S 28 E	Oil	11/31/78	11.000 7.875	8 5/8" 5 1/2" 5 1/2 DV tool @	600 6300 3005	550 600 900	0.66 0.66 0.66	3.934 5.772 5.772	surface 3005 surface	CIRC CIRC @ DV CIRC	6300	6250 Abo Reef	6216'-6238'	
322 Empire Abo Unit F 30-015-22594	BP America Prod Co.	2480 FNL & 500 FEL	33 17 S 28 E	Oil	7/5/78	11.000 7.875	8 5/8" 5 1/2" 5 1/2 DV tool @	750 6344 3015	450 730 900	0.66 0.66 0.66	3.934 5.772 5.772	surface 3015 surface	CIRC CIRC @ DV CIRC	6344	6280 Abo Reef	5704'-5814'	OA
32 Empire Abo Unit H 30-015-01696	BP America Prod Co.	990 FSL & 660 FEL	33 17 S 28 E	Oil	6/15/60	11.000 7.875	8 5/8" 4 1/2"	1000 6345	550 1000	0.66 0.66	3.934 4.390	surface 1520	CIRC CBL	6345	6323 Abo Reef	5972'-6010'	CIBP @ 5948'
32 Empire Abo Unit E 30-015-01695	BP America Prod Co.	990 FNL & 660 FEL	33 17 S 28 E	Oil	6/10/60	11.000 7.875	8 5/8" 4 1/2"	1000 6170	550 1000	0.66 0.66	3.934 4.390	surface 1430	CIRC Temp Survey	6170	6148 Abo Reef	5870'-6030'	
322 Empire Abo Unit G 30-015-22525	BP America Prod Co.	2310 FSL & 1100 FEL	33 17 S 28 E	Oil	6/17/78	11.000 11.000 7.875	8 5/8" Remedial 8 5/8" Cmt 5 1/2" 5 1/2 DV tool @	772 18 6170 2993	350 1 yd 603 860	0.66 0.66 0.66 0.66	3.934 5.772 5.772 5.772	18 surface 2993 surface	Tag CIRC CIRC @ DV CIRC	6250	6250 Abo Reef	6032'-6100' 6135'-6140'	CIBP @ 5990'
2 Washington 33 State 30-015-30187	BP America Prod Co.	990 FNL & 930 FEL	33 17 S 28 E	Oil	10/21/98	12.250 7.875	8 5/8" 5 1/2"	425 4150	275 910	0.66 0.66	2.423 5.772	surface surface	CIRC CIRC	4150	4109 Shallow Sd San Andres	1452-2090 2506'-2848	
3 Washington 33 State 30-015-30276	BP America Prod Co.	260 FNL & 1550 FEL	33 17 S 28 E	Oil	7/16/98	12.250 7.875	8 5/8" 5 1/2"	532 2950	325 600	0.66 0.66	2.423 5.772	surface surface	CIRC CIRC	2950	2904 Shallow Sd San Andres	1422-2068 2286'-2808' 2263'-3440'	
4 Washington 33 State 30-015-30188	BP America Prod Co.	990 FNL & 2270 FEL	33 17 S 28 E	Oil	10/13/98	12.250 7.875	8 5/8" 5 1/2"	510 4000	325 760	0.66 0.66	2.423 5.772	surface surface	CIRC CIRC	4000	3946 Shallow Sd San Andres	1414-1749 2314'-2862'	
5 Washington 33 State 30-015-30277	BP America Prod Co.	260 FNL & 2270 FWL	33 17 S 28 E	Oil	7/23/98	12.250 7.875	8 5/8" 5 1/2"	505 2946	325 600	0.66 0.66	2.423 5.772	surface surface	CIRC CIRC	2950	2940 Shallow Sd San Andres	1407-2048 2312'-2832'	
6 Washington 33 State 30-015-30138	BP America Prod Co.	990 FNL & 1650 FWL	33 17 S 28 E	Oil	8/8/98	12.250 7.875	8 5/8" 5 1/2"	530 4000	325 760	0.66 0.66	2.423 5.772	surface surface	CIRC CIRC	4000	3953 San Andres	2295'-2826'	

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Lease & Well Number API Number	Operator	Location	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	Completion Zone	Perfs	Comment	
																	Sec.
7 Washington 33 State 30-015-30189	BP America Prod Co.	1650 FNL & 970 FWL	33 17 S 28 E Oil	8/27/98	12.250 7.875	8 5/8" 5 1/2"	530 3950	325 810	0.66 0.66	2.423 5.772	surface surface	CIRC CIRC	3950	3918	San Andres	2283'-2722'	✓
8 Washington 33 State 30-015-30190	BP America Prod Co.	2267 FNL & 330 FWL	33 17 S 28 E Oil	7/30/98	12.250 7.875	8 5/8" 5 1/2"	508 4000	325 760	0.66 0.66	2.423 5.772	surface surface	CIRC CIRC	4000	3952	San Andres	2306'-2684'	✓
9 Washington 33 State 30-015-30191	BP America Prod Co.	1650 FNL & 2270 FWL	33 17 S 28 E Oil	5/2/98	12.250 7.875	8 5/8" 5 1/2"	540 4200	325 775	0.66 0.66	2.423 5.772	surface surface	CIRC CIRC	4200	4140	Shallow Sd San Andres Yeso	1424'-2064' 2346'-2893' 3654'-3664'	✓ CIBP @ 3500'
10 Washington 33 State 30-015-30192	BP America Prod Co.	2267 FNL & 1650 FWL	33 17 S 28 E Oil	9/4/98	12.250 7.875	8 5/8" 5 1/2"	530 4000	325 810	0.66 0.66	2.423 5.772	surface surface	CIRC CIRC	4000	3956	San Andres	2364'-2876'	✓
11 Washington 33 State 30-015-30193	BP America Prod Co.	1650 FNL & 1650 FEL	33 17 S 28 E Oil	10/3/98	12.250 12.250 7.875	8 5/8" Remedial 8 5/8" Cmt 5 1/2"	535 330 4100	425 150 760	0.66 0.66 0.66	2.423 2.423 5.772	334 surface surface	Temp Survey CIRC CIRC	4100	4059	Shallow Sd San Andres	1439'-2088' 2484'-2814'	Cmt'd with 1" ✓
12 Washington 33 State 30-015-30348	BP America Prod Co.	2432 FNL & 2270 FWL	33 17 S 28 E Oil	10/29/98	12.250 7.875	8 5/8" 5 1/2"	540 4000	540 810	0.66 0.66	2.423 5.772	surface surface	CIRC CIRC	4000	3958	Shallow Sd San Andres Paddock	1449'-2107' 2372'-2928' 3652'-3786'	✓
13 Washington 33 State 30-015-22524	BP America Prod Co.	1610 FNL & 250 FEL	33 17 S 28 E Oil	6/1/78	11.000 11.000 7.875	8 5/8" 8 5/8 DV tool @ 5 1/2"	739 386 6158	200 225 650	0.66 0.66 0.66	3.934 3.934 5.772	386 surface 3013	CIRC @ DV CIRC CIRC @ DV	6210	5528	Shallow Sd San Andres Abo Reef	1471'-2124' 2326'-2910' 6158'-6210'	Formally EAU F-321 Cmt Plug 5528' ✓
14 Washington 33 State 30-015-30194	BP America Prod Co.	2282 FNL & 970 FEL	33 17 S 28 E Oil	5/12/98	12.250 7.875	8 5/8" 5 1/2"	535 4200	325 700	0.66 0.66	2.423 5.772	surface surface	CIRC CIRC	4200	3675	Shallow Sd San Andres Yeso	1452'-2122' 2386'-2908' 3726'-3954'	✓
15 Washington 33 State 30-015-22822	BP America Prod Co.	2250 FSL & 235 FEL	33 17 S 28 E Oil	3/1/79	11.000 11.000 7.875	8 5/8" Remedial 8 5/8" Cmt 5 1/2"	775 289 6329	100 150 700	0.66 0.66 0.66	3.934 3.934 5.772	289 surface 3000	Temp Survey CIRC CIRC @ DV	6370	5635	Shallow Sd San Andres Abo Reef	1486'-2164' 2444'-2965' 5725'-5782'	Formally EAU G-324 Cmt'd with 1" ✓ CIBP @ 5675'
16 Washington 33 State 30-015-22415	BP America Prod Co.	1500 FSL & 700 FEL	33 17 S 28 E Oil	3/12/78	11.000 7.875	8 5/8" 5 1/2"	600 6197	300 410	0.66 0.66	3.934 5.772	surface 4635	CIRC calc	6219	5840	Shallow Sd San Andres Abo Reef	1616'-2028' 2494'-3015' 5866'-5880'	Formally EAU G-323 CIBP @ 5840' ✓
17 Washington 33 State 30-015-22821	BP America Prod Co.	1900 FSL & 1450 FEL	33 17 S 28 E Oil	3/16/79	11.000 7.875	8 5/8" 5 1/2"	751 6370	400 800	0.66 0.66	3.934 5.772	surface 3030	CIRC CIRC @ DV	6370	5750	San Andres Abo Reef	2444'-2980' 5794'-5928'	Formally EAU G-315 CIBP @ 5750' ✓
18 Washington 33 State 30-015-21745	BP America Prod Co.	1550 FSL & 2511 FEL	33 17 S 28 E Oil	4/5/76	11.000 7.875	8 5/8" 5 1/2"	550 6404	200 525	0.66 0.66	3.934 5.772	surface 3975	CIRC CIRC @ DV	6400	6015	Shallow Sd Shallow Sd San Andres	1462'-1802' 1880'-2124' 2386'-2985'	Formally EAU G-312 CIBP @ 6050' ✓
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'	✓

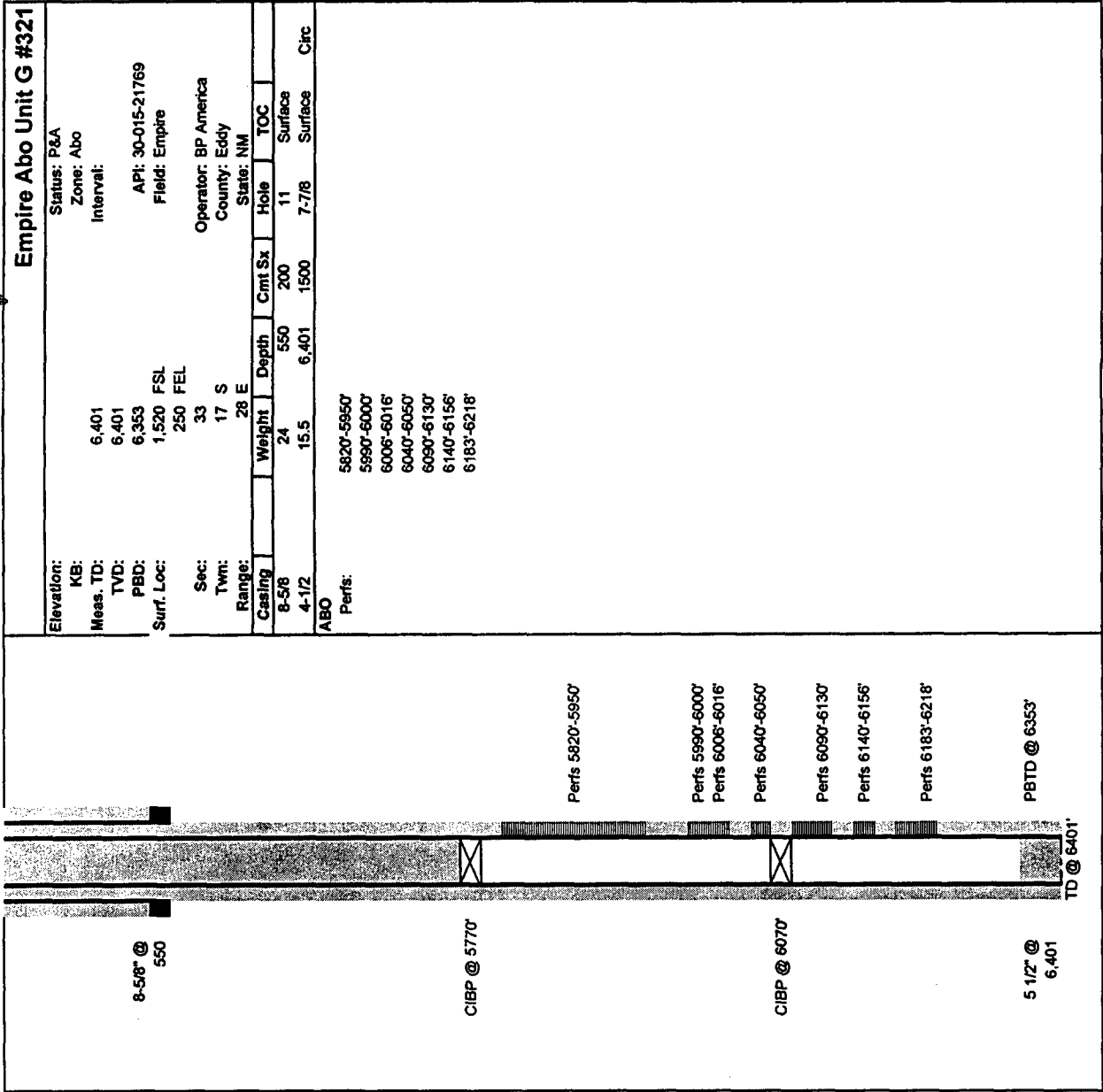
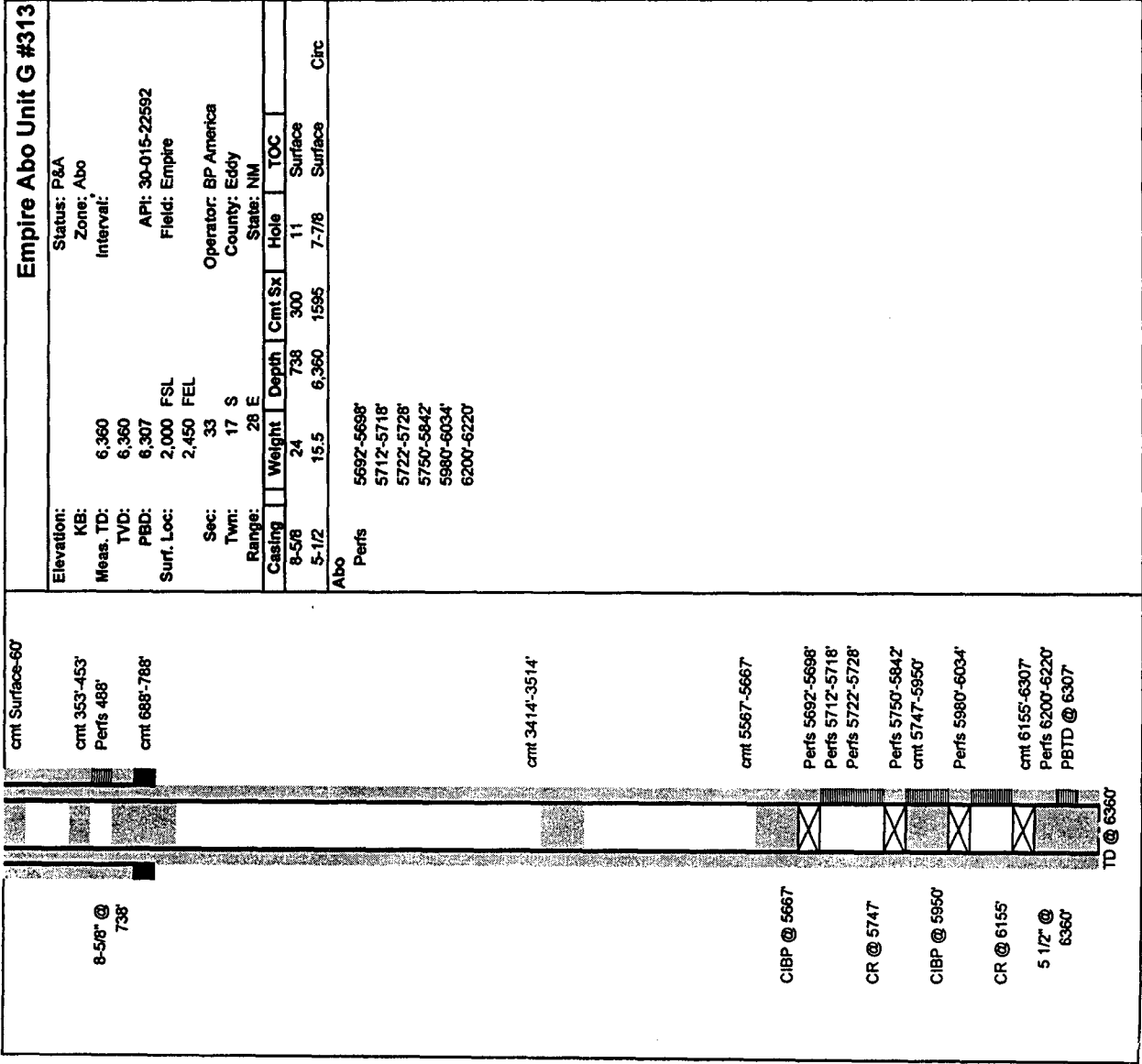
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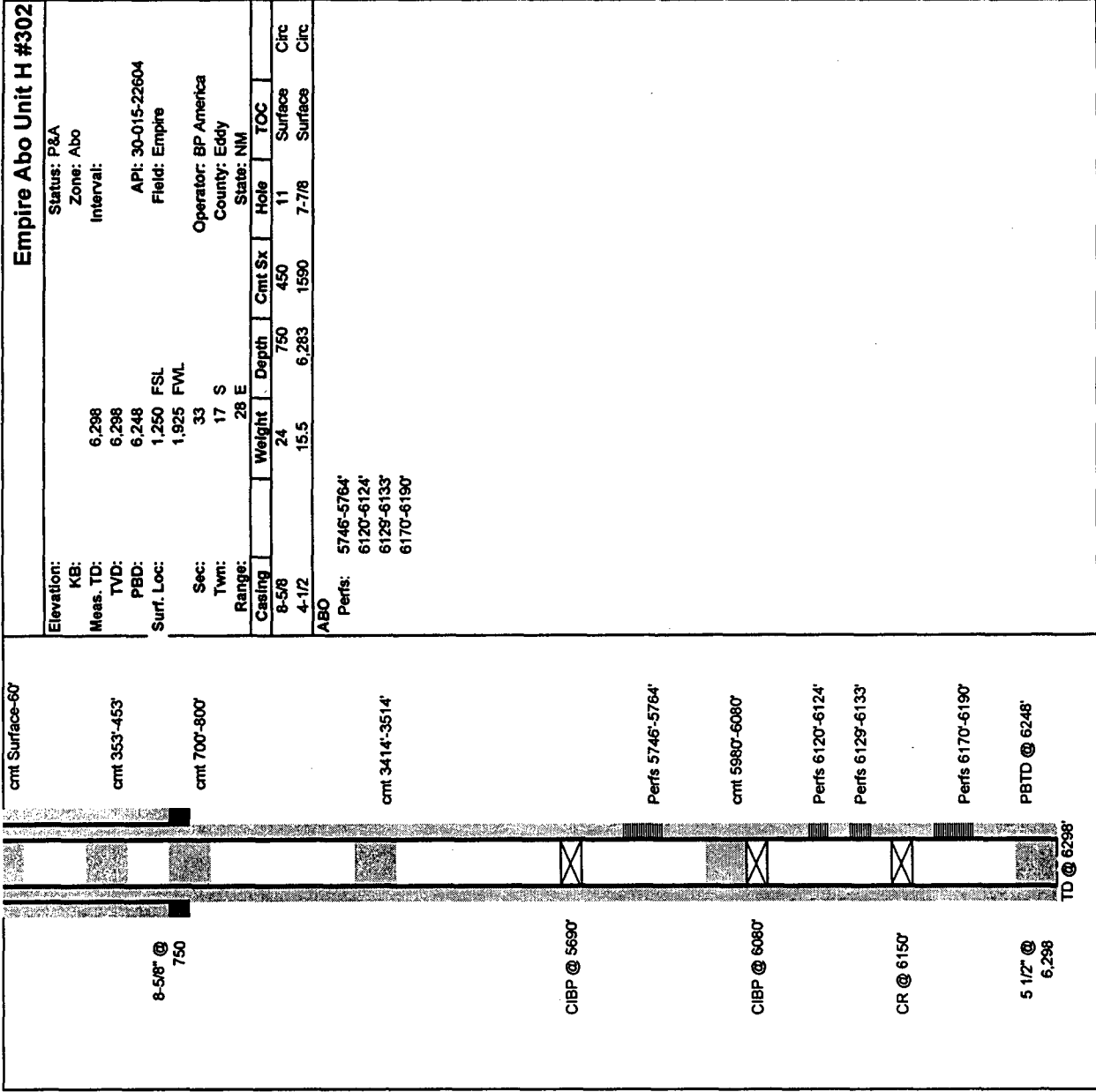
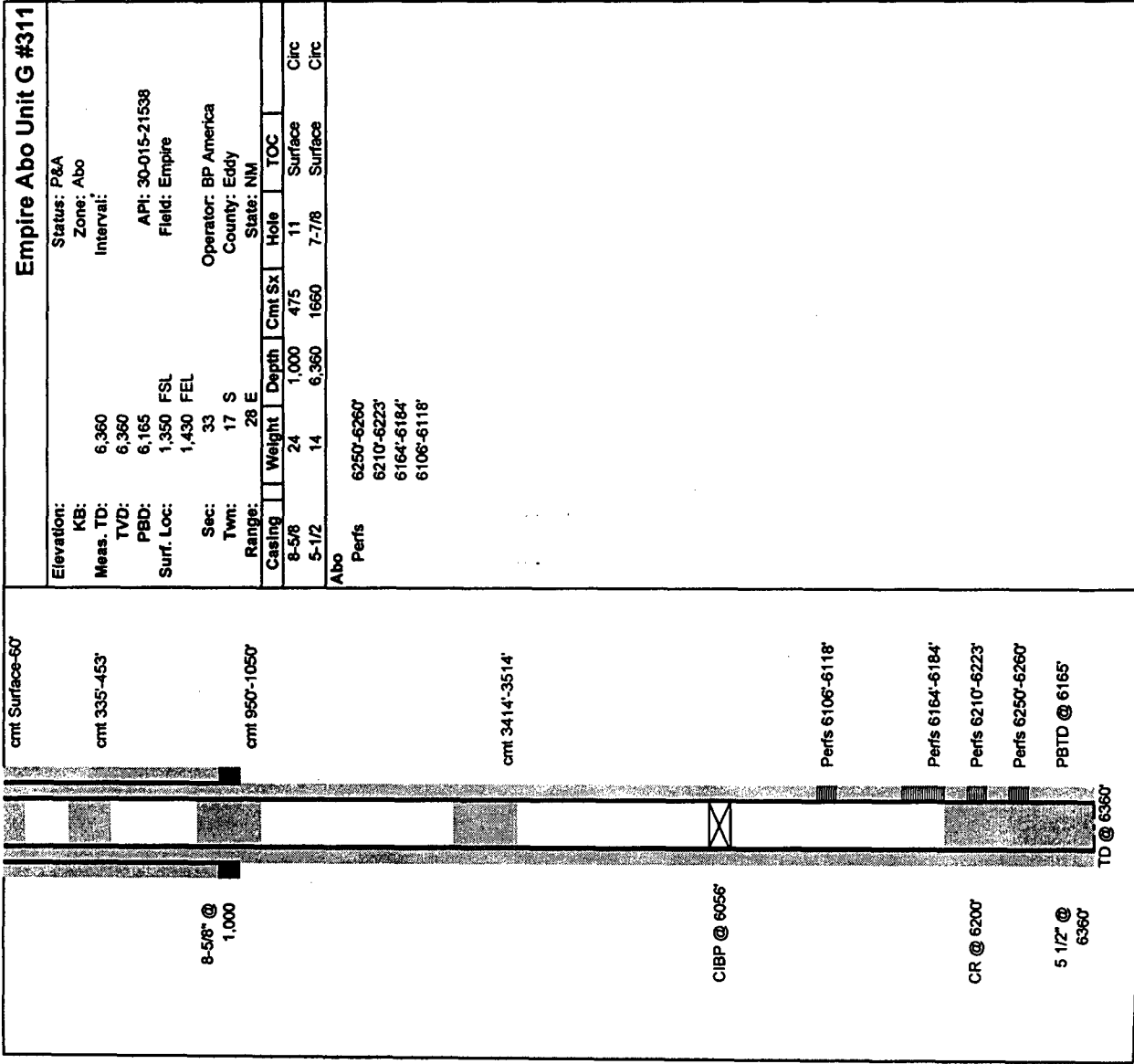
Lease & Well Number API Number	Operator	Location		Type	Date Spud	Hole Size	Casing	Casing Depth Ft	Cmt Volume		Cmt Yld F3/Sx	Annular Space F3/F3	TOC Feet From Surface	How measured	Well Depth TD	Completion Zone	Perfs	Comment
30-015-30332						7.875	5 1/2"	4100	860		0.66	5.772	surface	CIRC		San Andres	2394'-3008'	
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	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	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	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	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	Shallow Sd	1502'-2188'	Formally EAU H-38
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 @ 3728'
																	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	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		Abjo 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	Shallow Sd	2508'-3074'	Formally EAU H-311
30-015-22124						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		Abjo Reef	6044'-6054'	CIBP @ 5890'
																		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	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		Abjo Reef	6150'-6160'	CIBP @ 6094'
																		w/ 35' cmt on top
Delta-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	Abjo 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	Abjo 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	Abjo 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	Abjo 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				

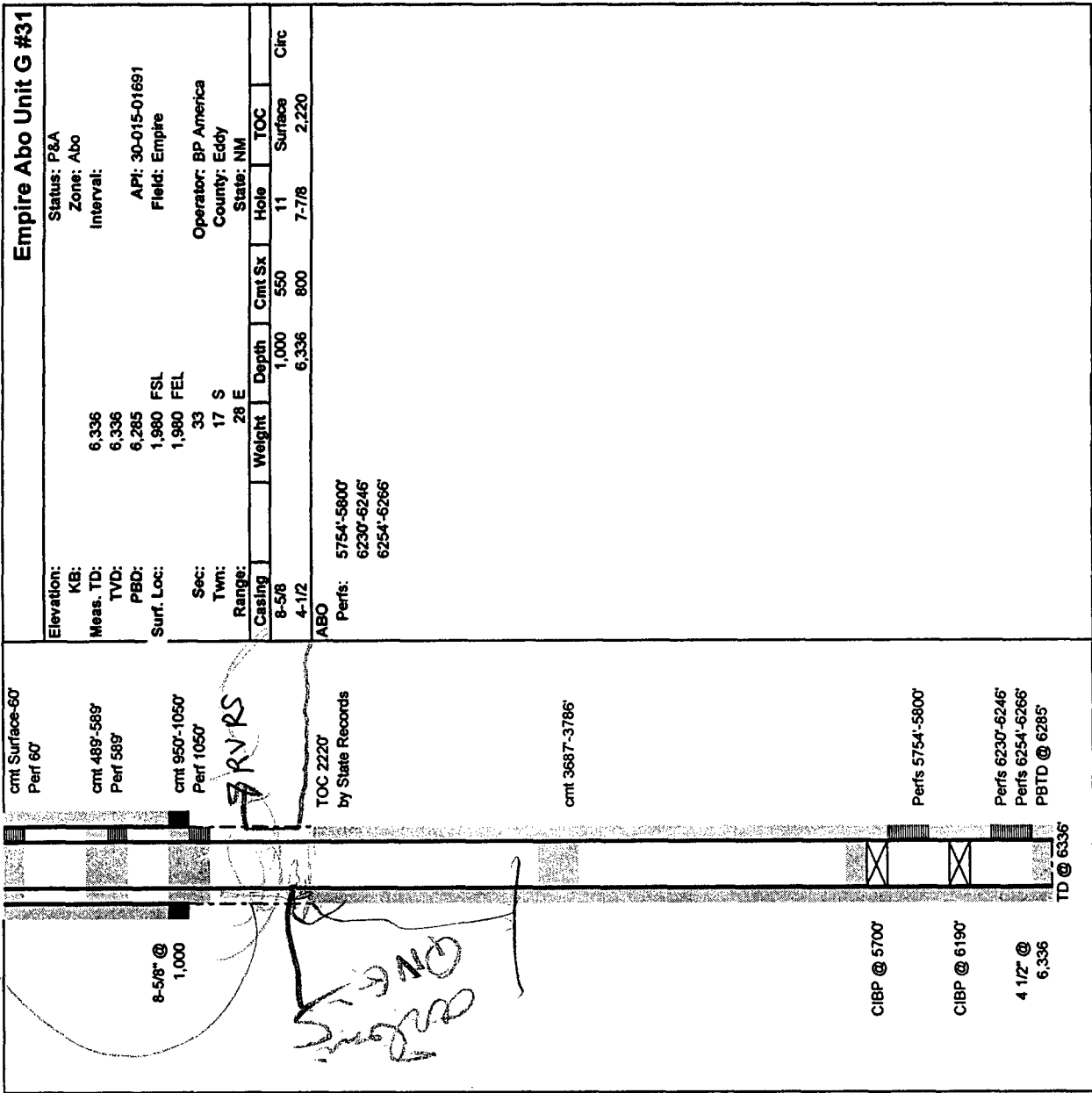
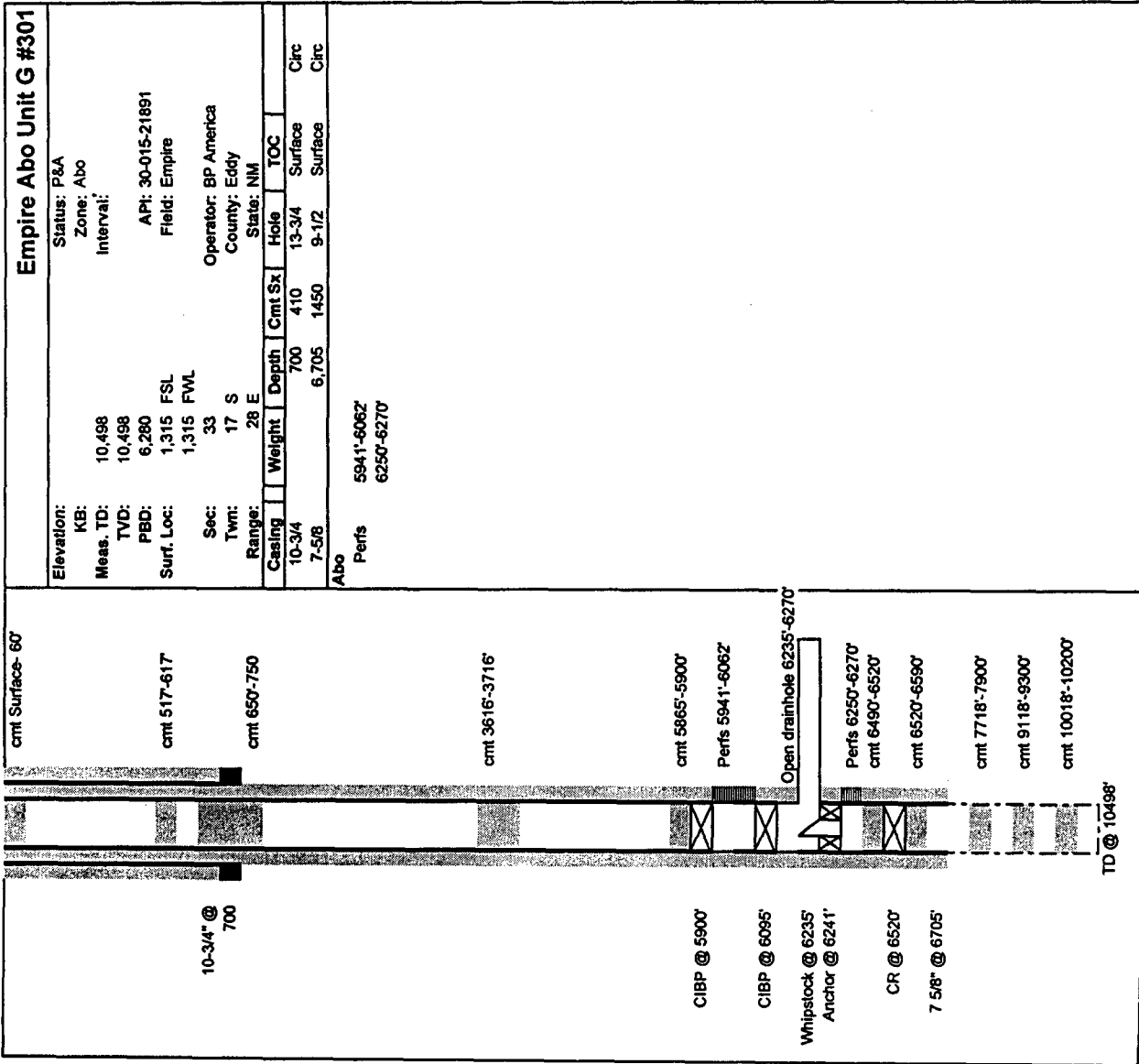
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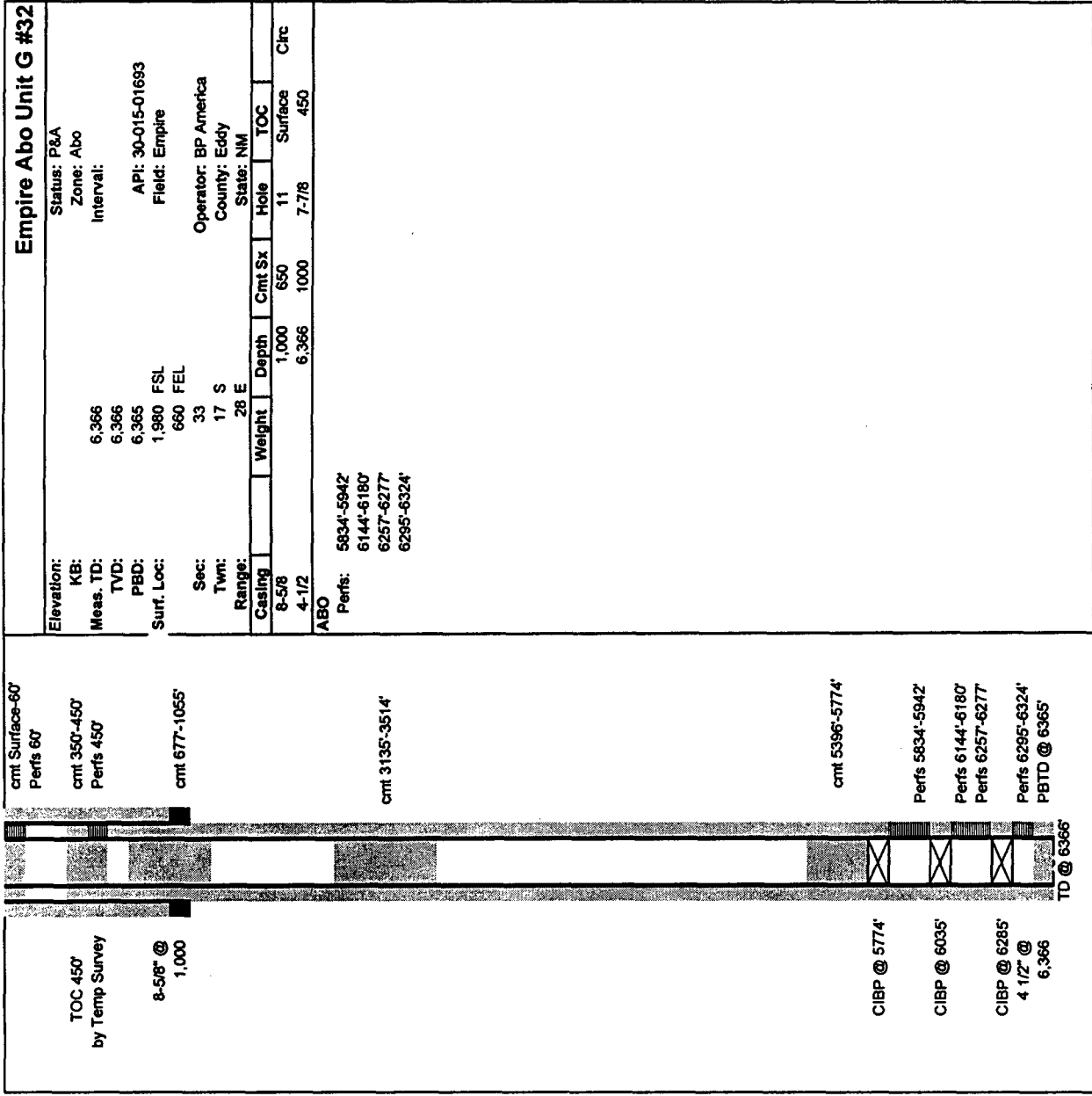
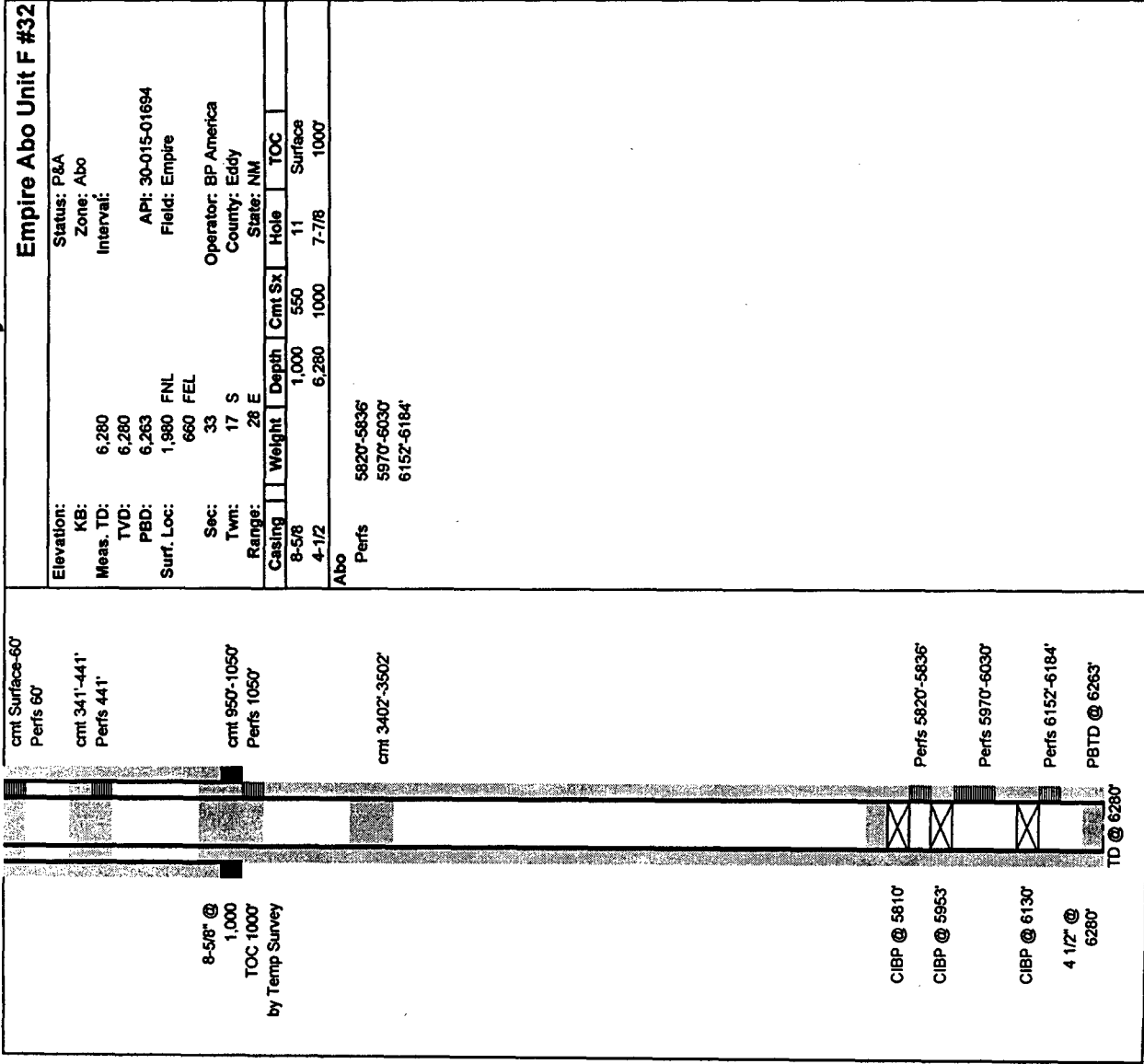
Lease & Well Number API Number	Operator	Location		Type	Date Spud	Hole Size	Casing	Casing Depth Ft	Cmt Volume Sx	Cmt Yld Ft3/Sx	Annular Space Ft/Ft3	TOC Feet From Surface	TOC How measured	Well Depth		Perfs	Comment
														TD	PBTD Zone		
31 Empire Abo Unit F 30-015-01692	BP America Prod Co.	1980 FNL & 2130 FEL	33 17 S 28 E	Oil	5/18/60	11,000 7,875	8 5/8" 4 1/2"	1000 6175	650 800	0.66 0.66	3.934 5.772	surface 1310	CIRC CBL	6175	6154 Abo Reef	5734'-5796'	✓
							Remedial SQ Holes @ 1248	1248	250	0.66	5.772	surface	CIRC				
30 Empire Abo Unit E 30-015-01697	BP America Prod Co.	990 FNL & 1980 FWL	33 17 S 28 E	Oil	6/29/60	11,000 7,875	8 5/8" 4 1/2"	1000 5930	550 1000	0.66 0.66	3.934 5.772	surface 990	CIRC Temp Survey	5930	5916 Abo Reef	5784'-5980'	✓
1 Geronimo 33 State 30-015-31044	Dominion Ok TX	1700 FNL & 1980 FWL	33 17 S 28 E	Gas	5/14/00	17,50 12,25	13 3/8" 9 5/8"	546 2703	450 1100	0.66 0.66	1.440 3.193	surface surface	CIRC CIRC	10600	10514 Wolfcamp Strawn	7215'-8234' 9528'-9534'	✓
						8,75	5 1/2"	10599	1100	0.66	3.959	surface	CIRC		Morrow	10287'-10295'	
2 Geronimo 33 State 30-015-31373	Dominion Ok TX	660 FNL & 660 FEL	33 17 S 28 E	Oil	11/26/00	17,50 12,25	13 3/8" 9 5/8"	525 2700	680 895	0.66 0.66	1.440 3.193	surface surface	CIRC CIRC	10600	7215 Wolfcamp	7066'-7206'	
						7,875	5 1/2"	10600	2230	0.66	5.772	2105	calc				Tied back to 9 5/8
33 Empire Abo Unit F 30-015-01718	BP America Prod Co.	1965 FNL & 330 FWL	34 17 S 28 E	Oil	3/12/60	11,000 7,875	8 5/8" 4 1/2"	1240 6307	650 850	0.66 0.66	3.934 4.390	surface 1500	CIRC Reported	6307	6272 Abo Reef	6184'-6218' 6244'-6254'	CIBP @ 6165'
							Remedial 4 1/2" Cmt	1376	400	0.66	4.350	surface	CIRC				
332 Empire Abo Unit F 30-015-21962	BP America Prod Co.	2582 FNL & 150 FWL	34 17 S 28 E	Oil	12/18/76	11,000 11,000	8 5/8" Remedial 8 5/8" Cmt	643 59	225 2 yd	0.66 0.66	3.934 5.772	59 surface	calc Visual	6369	6313 Abo Reef	6214'-6237'	✓
						7,875	5 1/2"	6368	1235	0.66		surface	CIRC				
303 Empire Abo Unit H 30-015-22634	BP America Prod Co.	800 FSL & 1340 FWL	33 17 S 28 E	Oil	11/17/78	11,000 7,875	8 5/8" 5 1/2" @ 6325' w/1500 sx	600 6325	400 1500	0.66 0.66	3.934 5.772	surface surface	CIRC CIRC	6371	6271 Abo Reef	6195'-6220' CIBP @ 6180'	✓

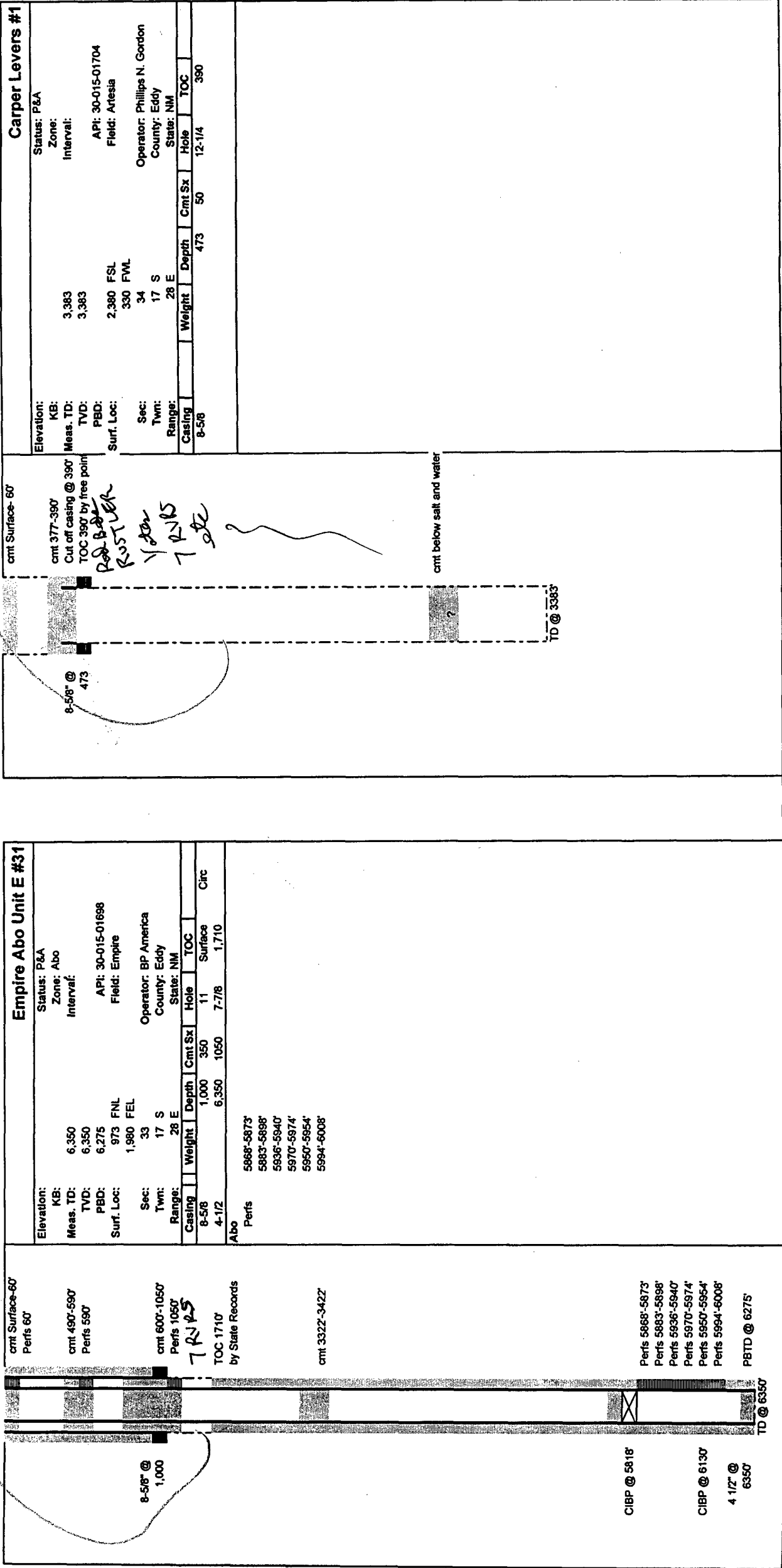
Note: Cmt Yld is estimated to be 50% of Class C neat yield of 1.32

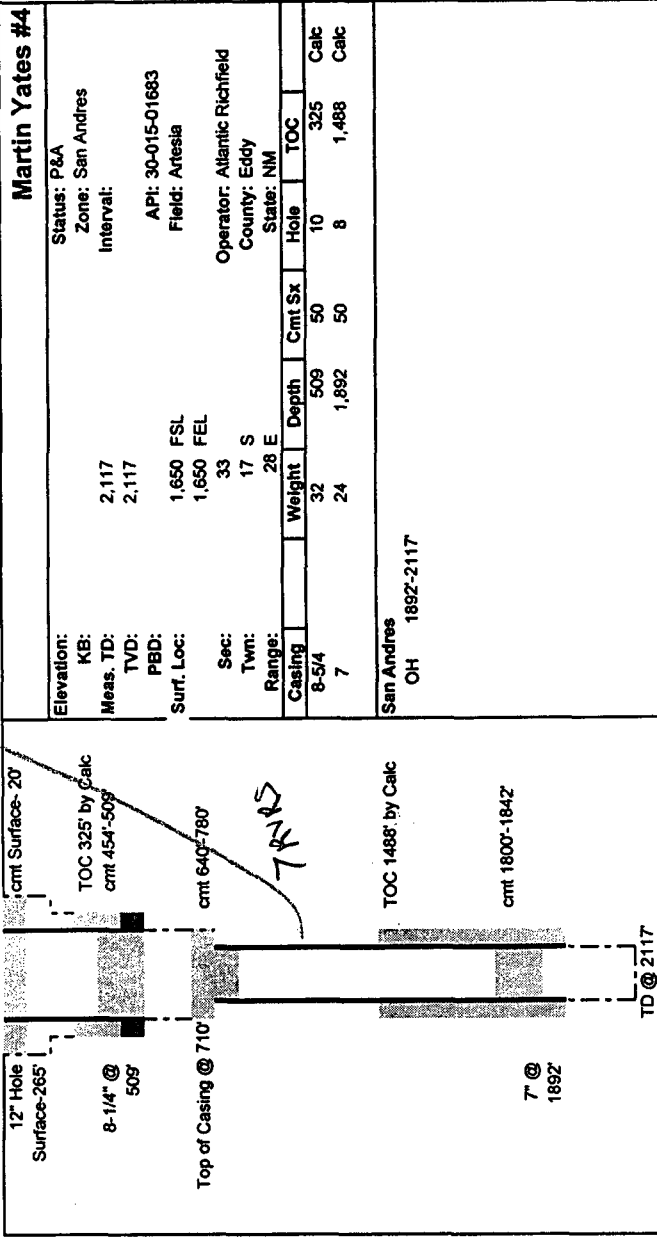
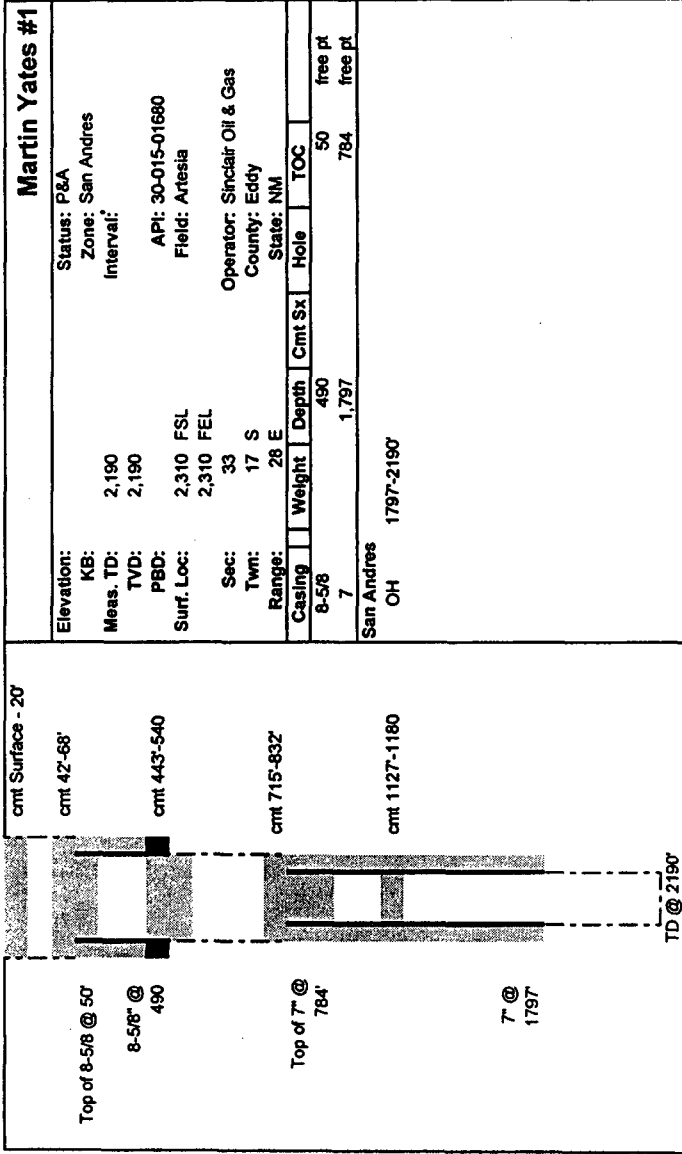




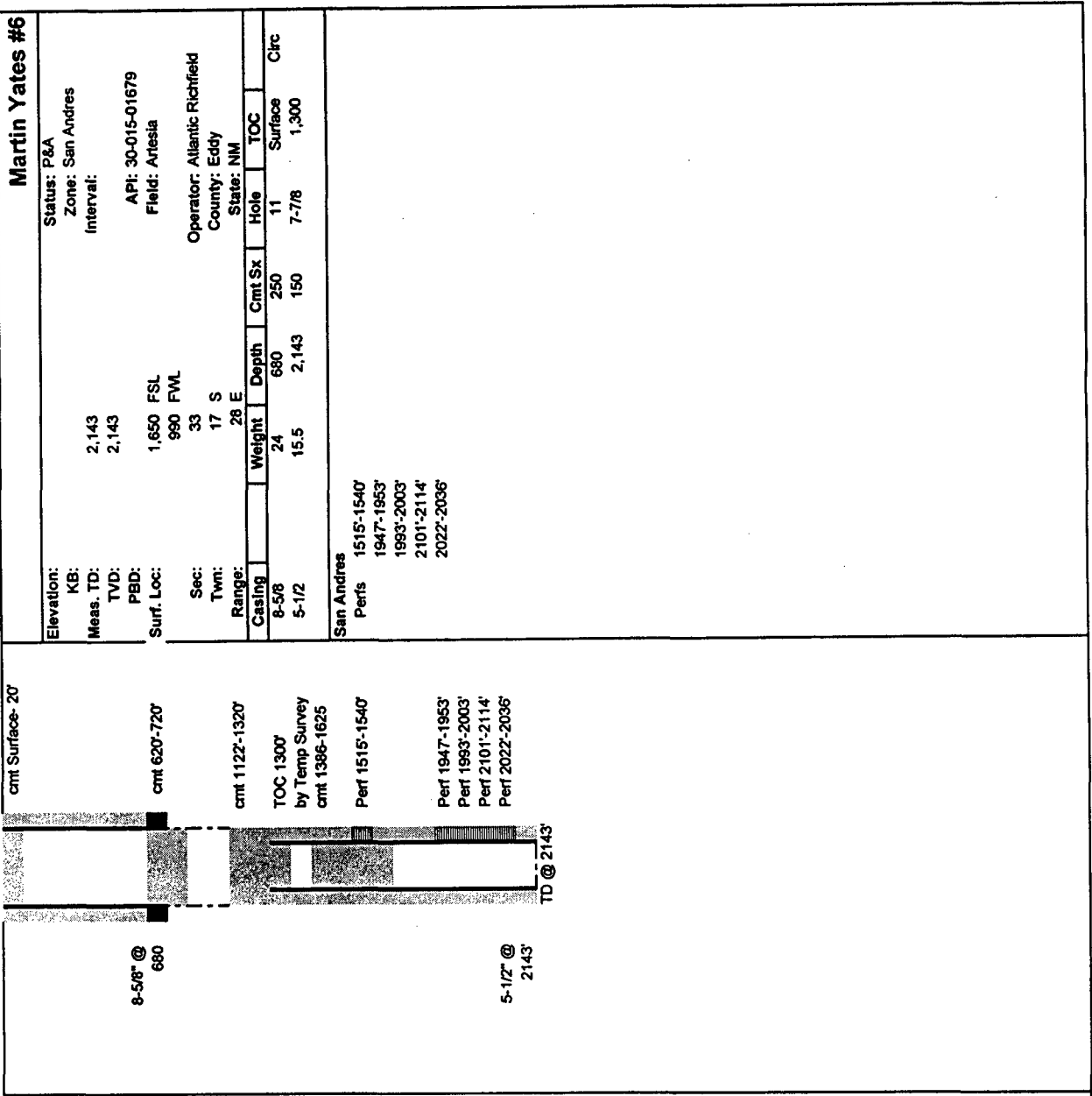
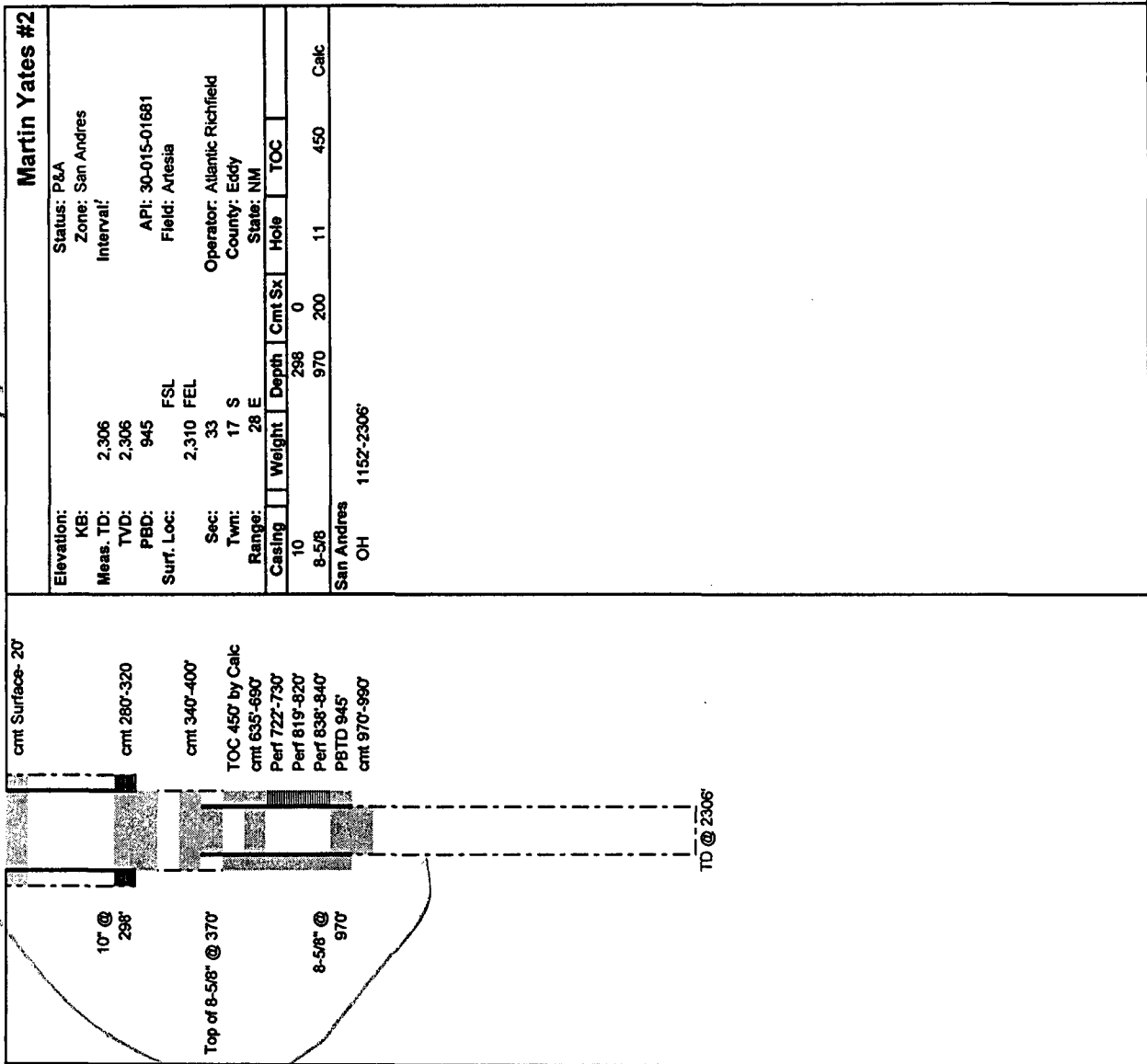








25808/



Y 3045
ALLOW

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

cmt Surface- 10'		Delhi State #1									
Elevation:		Status: P&A									
KB: 863		Zone: Seven Rivers									
Meas. TD: 863		Interval:									
TVD: 863		API: 30-015-01676									
PBD:		Field: Empire									
Surf. Loc: 990 FNL		Operator: Beal Operating Co.									
Sec: 33		County: Eddy									
Twn: 17 S		State: NM									
Range: 28 E											
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'											

4-1/2" @ 863'

TD @ 863'

cmt 691'-730'

Perf 691'-730'