

2/21/2017 DATE IN	SUSPENSE	ENG ENGINEER	2/21/2017 LOGGED IN	SWD TYPE	PMAM1705258615 APP NO.
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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.

Ben Stone Print or Type Name	 Signature	Agent for Ray Westall Operating, Inc. 2/17/17 Title	2/17/17 Date
		ben@sosconsulting.us e-mail Address	



February 18, 2017

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

Attn: Mr. David Catanach, Director

*Re: Application of Ray Westall Operating, Inc. to permit for salt water disposal in the Ritz Federal SWD Well No.1; API No.30-015-25142 located in Section 35, Township 18 South, Range 30 East, NMPM, Eddy County, New Mexico.*

Dear Mr. Catanach,

Please find enclosed form C-108 Application for Authority to Inject, supporting the above-referenced request to convert for disposal, the Ritz Federal No.1.

Ray Westall Operating seeks to optimize efficiency, both economically and operationally, of its operations. Approval of this application is consistent with that goal as well as the NMOCD's mission of preventing waste and protection of correlative rights.

Published legal notice ran in the February 14, 2017 edition of the Artesia Daily Press and all offset operators and other interested parties have been notified individually. The legal notice affidavit will be forwarded when received. This application also includes wellbore schematics, area of review maps, leaseholder plats and other required information for a complete Form C-108. The well is located on federal land and minerals and a copy of this application has been submitted to the Bureau of Land Management, CFO Oil and Gas Division.

I respectfully request that the approval of this salt water disposal well proceed swiftly and if you or your staff requires additional information or has any questions, please do not hesitate to call or email me.

Best regards,

Ben Stone, Partner  
SOS Consulting, LLC  
Agent for Ray Westall Operating, Inc.

Cc: Application attachment and file

**APPLICATION FOR AUTHORIZATION TO INJECT**

- I. PURPOSE: **Salt Water Disposal** and the application *qualifies* for administrative approval.
- II. OPERATOR: **Ray Westall Operating, Inc. Ogrid - 119305**  
ADDRESS: **P.O. Box 4, Loco Hills, NM 88255**  
  
CONTACT PARTY: **Donnie Mathews (575) 677-2372**  
**Agent: SOS Consulting, LLC - Ben Stone (903) 488-9850**
- III. WELL DATA: **All well data and applicable wellbore diagrams are ATTACHED hereto.**
- IV. **This is not an expansion of an existing project.**
- V. **A map is ATTACHED** 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. **A tabulation is ATTACHED** of data on all wells of public record within the area of review which penetrate the proposed injection zone. **(8 AOR wells penetrate the subject interval - 0 P&A penetrate.)** The data includes a description of each well's type, construction, date drilled, location, depth, and a schematic of any plugged well illustrating all plugging detail.
- VII. **The following data is ATTACHED** on the proposed operation, including:
1. Proposed average and maximum daily rate and volume of fluids to be injected;
  2. Whether the system is open or closed;
  3. Proposed average and maximum injection pressure;
  4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and,
  5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).
- \*VIII. **Appropriate geologic data on the injection zone is ATTACHED** 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. **The well may be acidized to clean perforations and formation.**
- \*X. **There is no applicable test data on the well however, any previous well logs have been filed with the Division and they need not be resubmitted. A log strip of subject interval is ATTACHED.**
- \*XI. **State Engineer's records indicate there are 1 active and 1 P&A'd water wells within one mile the proposed SWD.**
- XII. **An affirmative statement is ATTACHED that available geologic and engineering data has been examined and no evidence was found** of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water.
- XIII. **"Proof of Notice" section on the next page of this form has been completed and ATTACHED.**  
**There are 6 offset and/or operators plus federal and state minerals within one mile - all have been noticed.**
- 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: **Ben Stone** TITLE: **SOS Consulting, LLC agent / consultant for Ray Westall Operating, Inc.**

SIGNATURE: \_\_\_\_\_

DATE: **2/17/2017**

E-MAIL ADDRESS: **ben@sosconsulting.us**

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

III. WELL DATA – *The following information and data is included and ATTACHED:*

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 *pursuant to the following criteria is ATTACHED.*

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, 1220 South St. Francis Dr., Santa Fe, New Mexico 87505, within 15 days.

**NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.**

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**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.





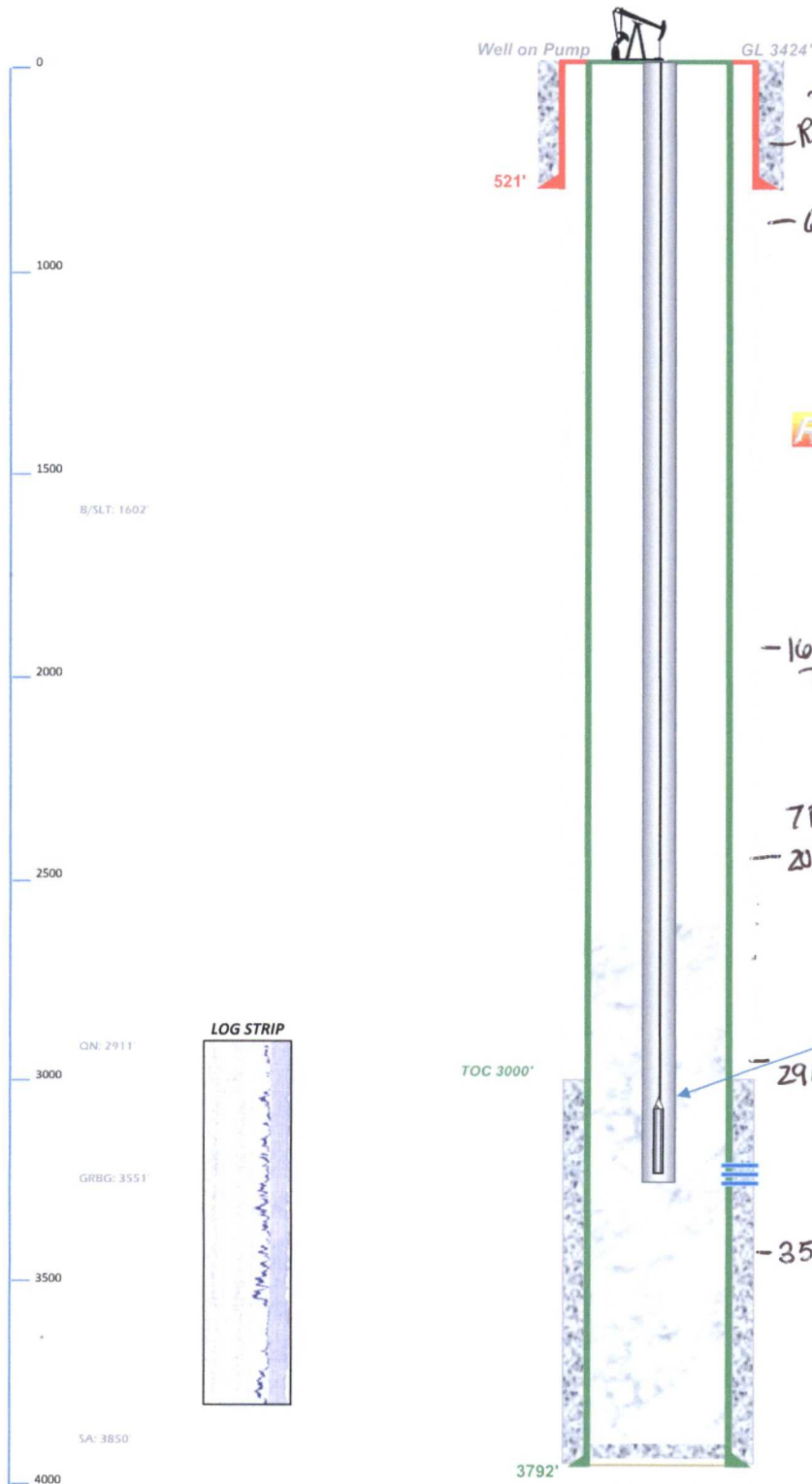
# WELL SCHEMATIC - CURRENT Ritz Federal Well No.1

Shugart; Yts-7 Rs-Qu-Grayburg (56439)

API 30-015-25142

890' FNL & 2110' FEL, SEC. 35-T18S-R30E  
EDDY COUNTY, NEW MEXICO

Spud Date: 1/01/1985



## Surface Casing

8.625" Csg. (17.5" Hole) @ 521'  
300 sx - 40 sx Circulated to Surface

**RAY WESTALL OPERATING, INC.**

2016	Oil	Gas	Water
Jan	1	0	11
Feb	2	0	16
Mar	0	0	5
Apr	1	0	11
May	0	0	0
Jun	1	0	11
Jul	6	0	5
Aug	16	0	16
Sep	1	0	96
Oct	9	0	130
Nov	2	0	104
Dec	10	0	209
Total:	49	0	614

## Production Casing

5.5", 17.0# J-55 Csg. (7.875" Hole) @ 3792'  
113 sx - TOC @ 3000' by Calc.

[4100' SA or Cherry Canyon depending on operator]

Drawn by: Ben Stone, 2/7/2017

**SOS Consulting, LLC**



# WELL SCHEMATIC - PROPOSED Ritz Federal SWD Well No.1

SWD; Grayburg (96108)

API 30-015-25142

890' FNL & 2110' FEL, SEC. 35-T18S-R30E  
EDDY COUNTY, NEW MEXICO

Spud Date: 1/01/1985

Config SWD Dt (Est): ~3/15/2

Annulus Monitored  
or open to atmosphere

Injection Pressure Regulated  
and Volumes Reported  
745 psi Max. Surface (0.2 psi/ft)

## Surface Casing

8.625" Csg. (17.5" Hole) @ 521'  
300 sx - 40 sx Circulated to Surface

## RAY WESTALL OPERATING, INC.

Convert to SWD: Pull any remaining production equipment; RIH w/ gauge ring/jnk bskt. Squeeze existing perms from 3314' to 3342'; C/O cement. Spot 50' Cmt at DTD.  
Perf Intervals as determined from Logs Between Max Top 3726' and Max Btm 3794'.  
Acidize w/ 15% HCl; Swab Clean.  
Run PC Tubing and PKR - Conduct MIT.  
Commence Disposal Operations.

Annulus Loaded  
w/ Inert Packer Fluid

## LOG STRIP

QN: 2911

GRBG: 3551

SA: 3850'

TOC 3000'

Org. Perfs: 3314'-42'

2.875" IC Tubing (or smaller)

PKR ~3626'± Note: PKR Set 100' Above Final Uppermost Perf Interval.

## Production Casing

5.5", 17.0# J-55 Csg. (7.875" Hole) @ 3792'  
113 sx - TOC @ 3000' by Calc.

Perf GRBG 3726' to 3794'

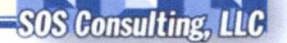
3792'

DTD @ 3972'

Drawn by Ben Stone. 2/17/2017



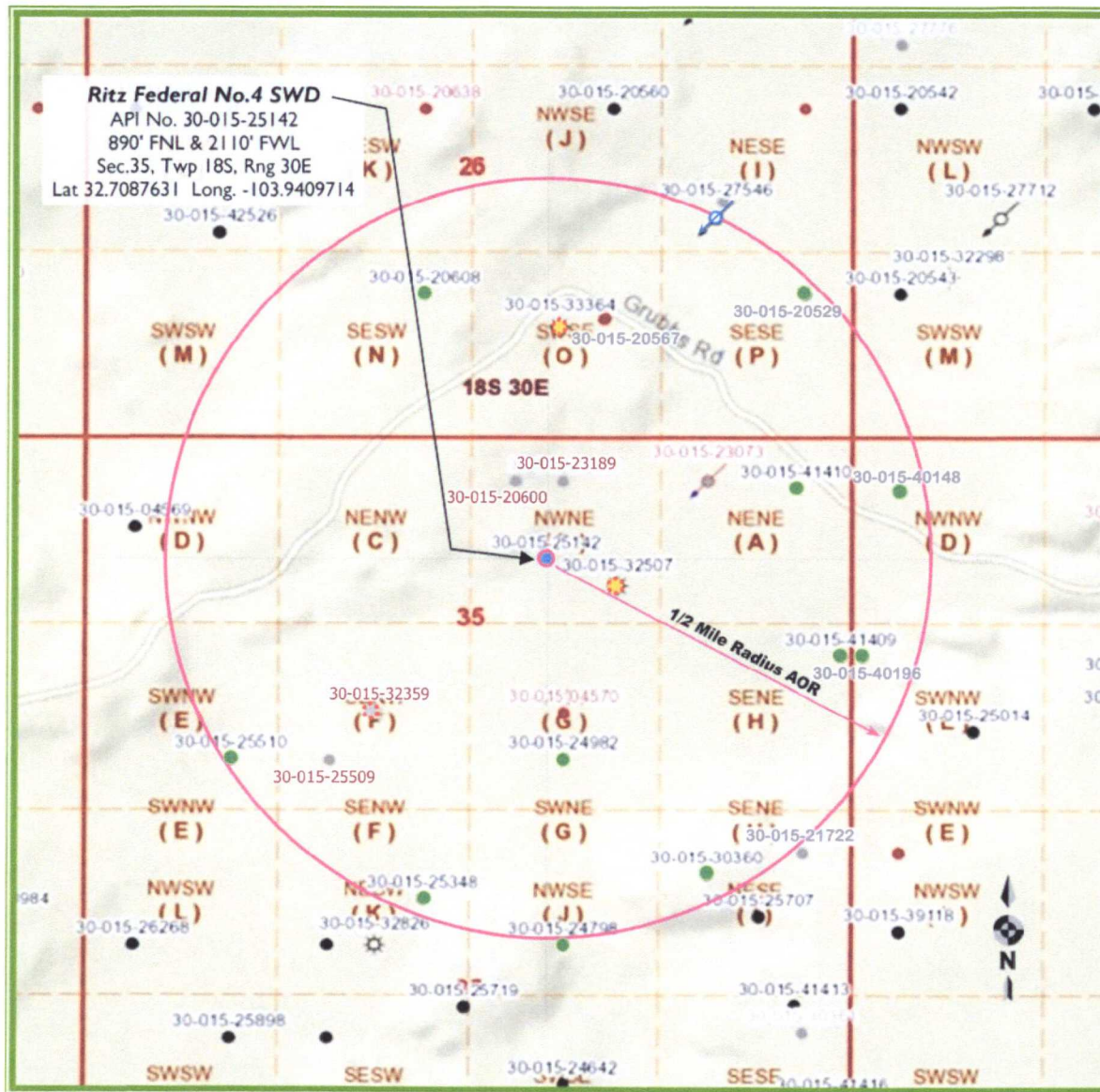
(Attachment to NMOCD Form C-108 - Item V)



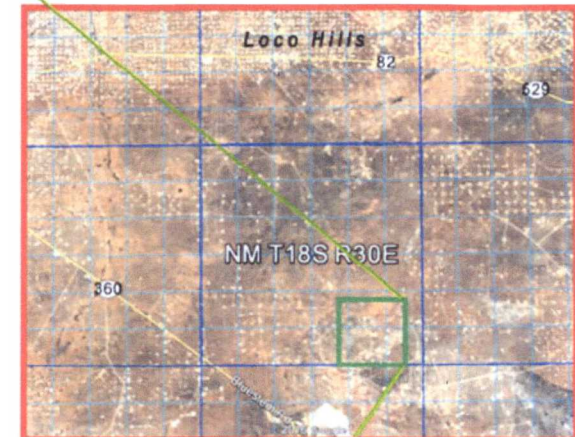


# Ritz Federal Well No.4 SWD - Area of Review / Overview Map

(Attachment to NMOCD Form C-108 - Item V)



8.0 miles South of Loco Hills, NM



Eddy County, New Mexico



RAY WESTALL OPERATING, INC.



## Form C-108 Item VI - Tabulation of AOR Wells

Top of Proposed GRAYBURG Interval: 3726'

Wells Penetrate Proposed Interval.

API	Current Operator	Well Name	Well No.	Type	Lease	Status	ULSTR	Depth	Plug Dt.
Subject Well									
30-015-25142	[119305] RAY WESTALL OPERATING, INC.	RITZ FEDERAL	#004	Oil	Federal	Active	B-35-18S-30E		

30-015-20568 Hanson Oil Company Ginsberg Fed.

#12 Oil Fed P&amp;A O-26-18S-30E 3580' [810 FSL/1700 FE]

## Section 26 wells

30-015-27546	[4323] CHEVRON U S A INC	BENSON SHUGART WATERFLOOD UNIT	#007	Injection	Federal	Active	I-26-18S-30E	3550'	
30-015-20608	[119305] RAY WESTALL OPERATING, INC.	FEDERAL N	#001	Oil	Federal	Active	N-26-18S-30E	3600'	
30-015-20567	[4323] CHEVRON U S A INC	BENSON SHUGART WATERFLOOD UNIT	#004	Oil	Federal	Active	O-26-18S-30E	3580'	
① 30-015-33364	[192463] OXY USA WTP LIMITED PARTNERSHIP	OXY PAL FEDERAL	#001	Gas	Federal	Active	O-26-18S-30E	12130'	
MRRW Perfs: 11699'-11940'; 13.75" (17.5" hole) @ 577' w/ 610 sx - circ.; 9.625" (12.25" hole) @ 4515' w/ 1178 sx - circ.; 5.5" (8.75" hole) @ 12,130' w/ 1585 sx - TOC @ 4000' by calc.									
30-015-20529	[4323] CHEVRON U S A INC	BENSON SHUGART WATERFLOOD UNIT	#012	Oil	Federal	Active	P-26-18S-30E	3560'	

too shallow

## Section 35 wells

30-015-23073	[147179] CHESAPEAKE OPERATING, INC.	BENSON SHUGART WATERFLOOD UNIT	#008	Injection	Federal	P&A-R	A-35-18S-30E	3611'	9/11/2008
② 30-015-41410	[192463] OXY USA WTP LIMITED PARTNERSHIP	IVORE 35 FEDERAL COM	#003H	Oil	Federal	Active	A-35-18S-30E	8468' TVD	
HZNTL: BSPG: 8717'-12765' MD; 14.75" (14.75" hole) @ 508' w/ 610 sx - circ.; 9.625" (10.625" hole) @ 3580' w/ 1230 sx - circ.; 5.5" (7.875" hole) @ 12921' MD w/ 1730 sx - circ.									
③ 30-015-32507	[192463] OXY USA WTP LIMITED PARTNERSHIP	OXY IVORE FEDERAL	#001	Gas	Federal	Active	B-35-18S-30E	12090'	✓
MRRW Perfs: 11638'-11648'; 13.375" (17.5" hole) @ 605' w/ 510 sx - circ.; 9.625" (12.25" hole) @ 4500' w/ 1820 sx - circ.; 5.5" (8.75" hole) @ 12,090' w/ 850 sx - TOC @ 7674' by CBL.									

15 1/8" - surf  
5 1/2" - 1710'

④ 30-015-25510	[119305] RAY WESTALL OPERATING, INC.	TRIGG FEDERAL	#003	Oil	Federal	Active	E-35-18S-30E	4500'	
QN-GRBG Perfs: 3138'-3338'; 8.625" (12.25" hole) @ 517' w 375 sx - circ.; 5.5" (7.875" hole) @ 4500' w/ 2500 sx - circ.									
30-015-04570	[214263] PRE-ONGARD WELL OPERATOR	PRE-ONGARD WELL	#003	Oil		P&A-R	G-35-18S-30E	3407'	10/11/1961
⑤ 30-015-24982	[119305] RAY WESTALL OPERATING, INC.	RITZ FEDERAL	#003	Oil	Federal	Active	G-35-18S-30E	4000'	
QN-GRBG Perfs: 3078'-3874'; 8.625" (12.25" hole) @ 463' w 485 sx - circ.; 5.5" (7.875" hole) @ 4500' w/ 1980 sx - circ.									
⑥ 30-015-41409	[192463] OXY USA WTP LIMITED PARTNERSHIP	IVORE 35 FEDERAL COM	#002H	Oil	Federal	Active	H-35-18S-30E	8495' TVD	
HZNTL: BSPG: 8858'-13001' MD; 10.75" (14.75" hole) @ 535' w/ 560 sx - circ.; 7.625" (9.875" hole) @ 3590' w/ 990 sx - circ.; 5.5" (6.75" hole) @ 13208' w/ 1360 sx - circ.									
⑦ 30-015-30360	[239769] ZIMMERMAN O&G EXPL, INC.	CULWIN 35 FEDERAL	#002	Oil	Federal	Active	I-35-18S-30E	3850'	perfs: 3162' - 3176'
⑧ 30-015-24798	[119305] RAY WESTALL OPERATING, INC.	RITZ FEDERAL	#002	Oil	Federal	Active	J-35-18S-30E	3800'	
30-015-25348	[119305] RAY WESTALL OPERATING, INC.	TRIGG FEDERAL	#001	Oil	Federal	Active	K-35-18S-30E	3405'	perfs in Grayberg

15 1/8" - surf  
5 1/2" - 2170'

(continued next page...)



R-7984 - unlined pits

**Form C-108 Item VI - Tabulation of AOR Wells (cont.)**

API	Current Operator	Well Name	Well No.	Type	Lease	Status	ULSTR	Depth	Plug Dt.
<u>Section 36 wells</u>									
9-30-015-40148	[192463] OXY USA WTP LIMITED PARTNERSHIP	SMOKEY BITS STATE COM	#006H	Oil	State	Active	D-36-18S-30E	8617' TVD	
HZNTL: BSPG: 9128'-12702' MD; 13.375" (14.75" hole) @ 467' w/ 610 sx - circ.; 9.625" (12.25" hole) @ 3654' w/ 1850 sx - circ.; 5.5" (8.75" hole) @ 12804' w/ 1940 sx - circ.									
10-30-015-40196	[192463] OXY USA WTP LIMITED PARTNERSHIP	SMOKEY BITS STATE COM	#002H	Oil	State	Active	E-36-18S-30E	8625' TVD	
HZNTL: BSPG: 12480'-12977' MD; 13.375" (17.5" hole) @ 494' w/ 680 sx - circ.; 9.625" (12.25" hole) @ 11300' w/ 2400 sx - circ.; 5.5" (8.75" hole) @ 13073' w/ 2520 sx - circ.									

**SUMMARY: 8 wells in 1/2 mile radius penetrate proposed disposal interval. No (0) P&A.**



## **C-108 - Item VI**

### **Area of Review Well Data**

#### **PLUGGED WELL SCHEMATICS**

There Are NO P&A'd Wells Within the AOR  
Which Penetrate the Proposed Disposal Zone.

**C-108 ITEM X – LOGS and AVAILABLE TEST DATA**

A log strip from subject well is attached.

**LOG STRIP FOLLOWS**



RECEIVED BY

JUN 17 1985

**O.C.D.**

**ARTESIA, OFFICE**

# Prolog

## Field Analysis

File No. 85 7

## Wellsite Complex Reservoir Analysis

COMPANY RAY WESTALL

**NELL** RITZ FEDERAL NO. 4

FIELD SHUCART

COUNTY EDDY STATE NEW MEXICOLOCATION 890' ENL 3 2110' FEL

SEC 35 TWP 18 S RGE 30 E

ELEVATION: KB 3434 DF 3424 GL 3424DATE 1-9-85

**FOLD HERE**

In making interpretations of log our employees will give Customer the benefit of their best judgement, but since all interpretations are opinions based on inferences from electrical or other measurements, we cannot, and we do not guarantee the accuracy or the correctness of any interpretation. We shall not be liable or responsible for any loss, cost, damages, or expenses whatsoever incurred or sustained by the Customer resulting from any interpretation made by any of our employees.

DATE 1-9-85

ENGINEER TVEDE

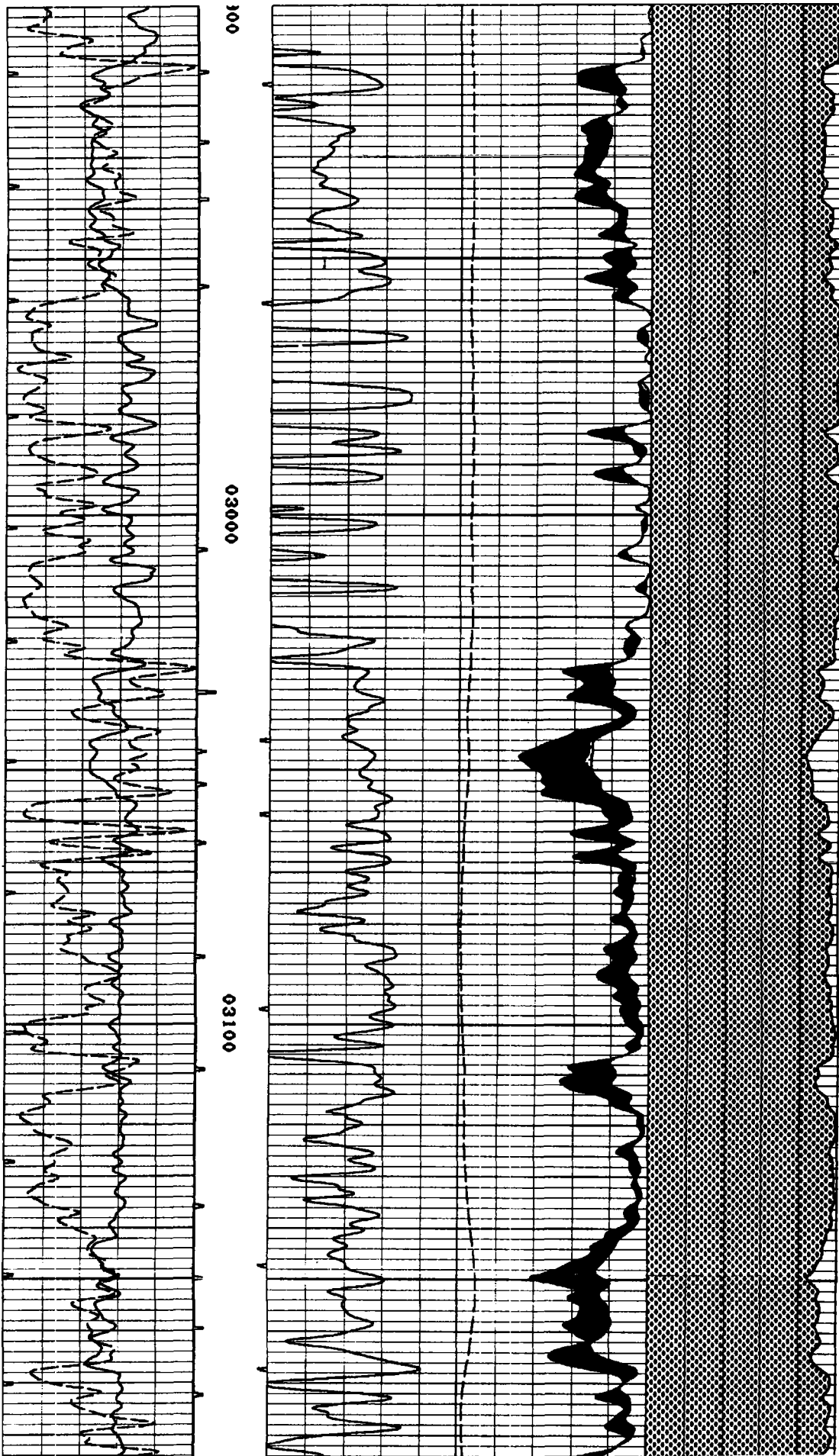
SERVICE TABLES	J 227H	J 251U
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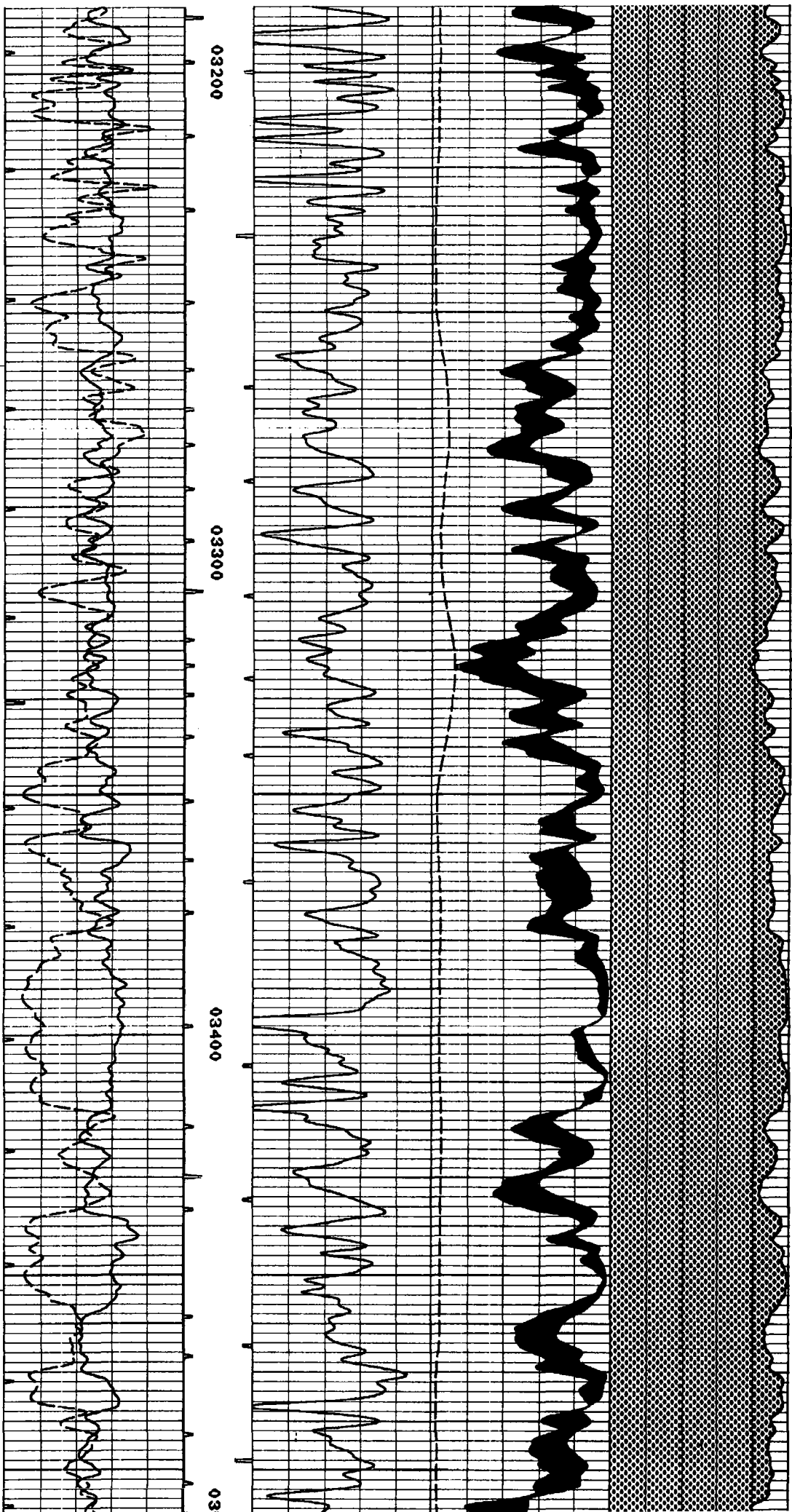
## COMPUTATION PARAMETERS

[illegible]

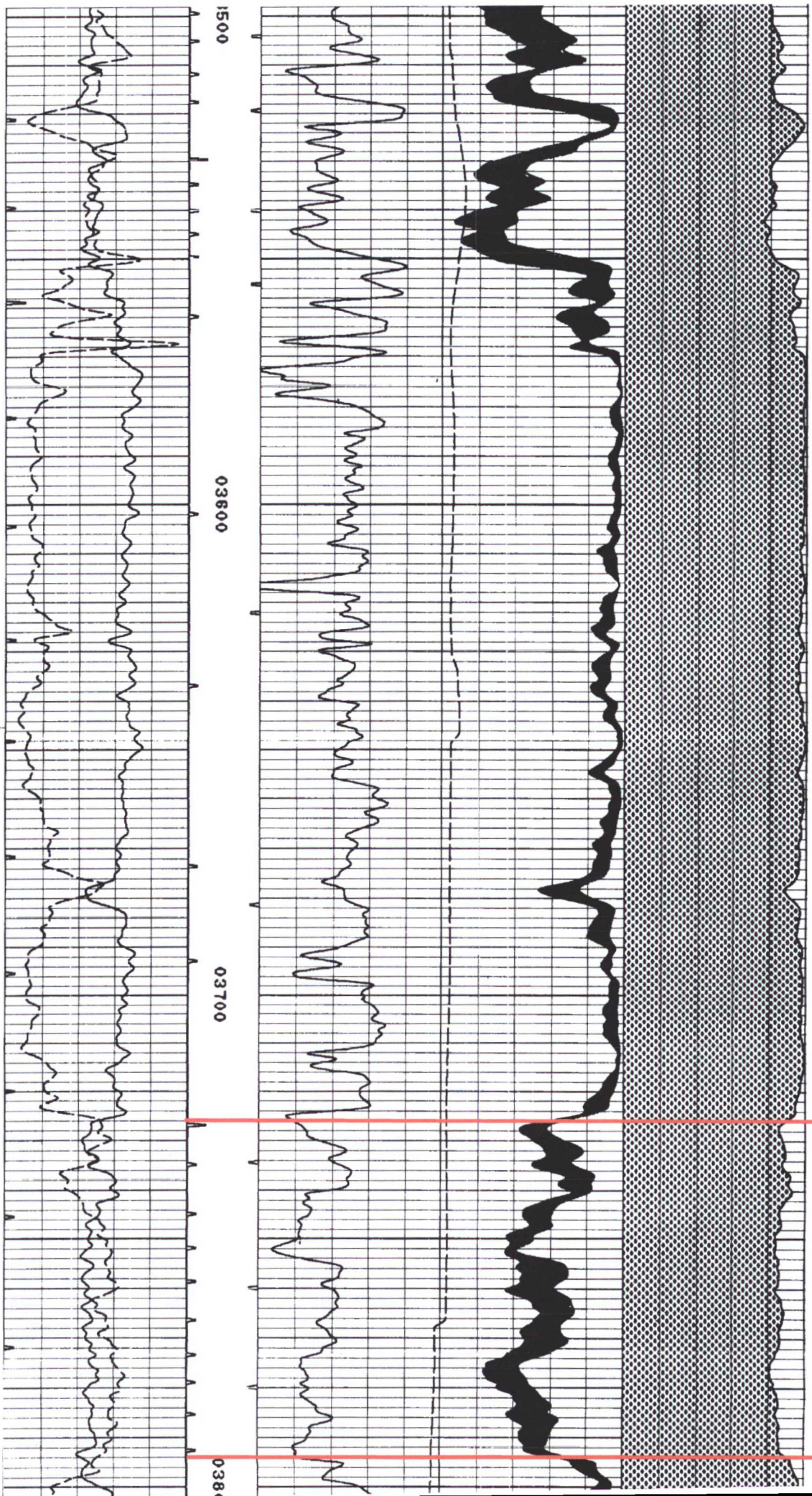
REMARKS:	* ARCHIE'S EQUATION: A = .62
	M = 2.15
	N = 2

LITHOLOGIC CHARACTERISTICS	DEPTH	WATER	POROSITY AND FLUIDS % BULK VOLUME			FORMATION % BULK VOLUME		
0 GAMMA RAY 100		WATER SATURATION	HYDROCARBON		WATER	SHALE	OTHER MINERALS	POROSITY
SP -   +		100 % 0	RESIDUAL	DISPLACED				
		0 RWA 5						
APPARENT GRAIN DENSITY 2.5 gm/cc 3.0			25 % 0			100	%	
			caliper (-) bit Size -4 0 12					
BOREHOLE VOLUME 10' 100'		HYDROCARBON FEET						
		1' 10'						
POROSITY FEET 1' 10'		DATA EDIT						









Injection Interval  
3726' to 3794'

000

## COMPLEX RESERVOIR ANALYSIS

DEPTH	WATER SAT %	POROSITY	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUM POR	CUM HYCARB VOLUME	BOREHOLE VOLUME SXO
3800.00	45.3	3.4	2.76	0.0	0.5	0.3	3.5
3798.00	63.4	4.5	2.71	0.0	0.6	0.3	4.1
3796.00	54.2	6.7	2.72	0.0	0.7	0.4	4.3
3794.00	79.2	10.4	2.70	0.0	0.9	0.4	5.5
3792.00	30.4	13.4	2.75	0.0	1.1	0.5	6.2
3790.00	72.7	14.2	2.75	0.0	1.4	0.6	6.3
3788.00	71.0	13.5	2.74	0.0	1.7	0.6	7.5
3786.00	60.5	15.7	2.74	0.0	2.0	0.8	8.2
3784.00	68.0	14.5	2.74	0.0	2.3	0.9	8.9
3782.00	75.9	15.0	2.72	0.0	2.6	0.9	9.6
3780.00	73.8	17.3	2.73	0.0	2.9	1.0	10.2
3778.00	72.6	18.7	2.75	0.0	3.3	1.1	10.9
3776.00	76.9	18.7	2.74	0.0	3.6	1.2	11.6
3774.00	73.5	16.1	2.75	0.0	4.0	1.3	12.3
3772.00	63.2	14.0	2.74	0.0	4.3	1.4	12.9
3770.00	59.5	13.6	2.72	0.0	4.6	1.5	13.6
3768.00	65.2	13.3	2.71	0.0	4.9	1.6	14.3
3766.00	63.2	11.7	2.74	0.0	5.1	1.7	15.0
3764.00	56.6	12.2	2.71	0.0	5.3	1.8	15.3
3762.00	56.0	13.6	2.73	0.0	5.6	1.9	16.3
3760.00	62.7	15.4	2.73	0.0	5.9	2.0	17.4
3758.00	56.1	14.0	2.71	0.0	6.2	2.1	18.2
3756.00	54.0	14.6	2.74	0.0	6.4	2.3	19.0
3754.00	79.5	15.0	2.71	0.0	6.7	2.4	19.3
3752.00	50.7	15.7	2.74	0.0	7.1	2.4	20.6
3750.00	77.8	16.0	2.73	0.0	7.4	2.4	21.4
3748.00	76.8	13.2	2.73	0.0	7.7	2.5	22.2
3746.00	76.1	13.5	2.75	0.0	7.9	2.6	23.0
3744.00	70.8	13.5	2.76	0.0	8.2	2.7	23.3
3742.00	72.3	10.1	2.79	0.0	8.4	2.7	24.6
3740.00	56.6	7.7	2.79	0.0	8.6	2.8	25.4
3738.00	51.7	8.1	2.80	0.0	8.8	2.8	26.2
3736.00	50.7	11.2	2.74	0.0	8.9	2.9	27.0
3734.00	61.7	11.2	2.76	0.0	9.2	3.0	27.7
3732.00	52.7	11.0	2.72	0.0	9.4	3.1	28.5
3730.00	69.4	12.5	2.71	0.0	9.6	3.2	29.3
3728.00	74.8	14.2	2.74	0.0	9.9	3.3	30.1
3726.00	82.4	9.4	2.77	0.0	10.1	3.3	30.9
3724.00	49.6	5.4	2.82	0.0	10.3	3.4	31.6
3722.00	42.6	4.7	2.81	0.0	10.4	3.4	32.4
3720.00	44.8	3.1	2.81	0.0	10.4	3.5	33.2

## \*\*\*\*\*INTERVAL AVERAGES\*\*\*\*\*

0.00	66.2	12.4	2.74	0.0	9.9	3.2	29.3
------	------	------	------	-----	-----	-----	------

3550.00	40.2	18.3	2.76	0.0	16.0	6.4	107.5
3548.00	65.3	20.8	2.70	0.0	16.4	6.6	108.6
3546.00	74.7	22.1	2.72	0.0	16.9	6.7	109.6
3544.00	80.3	20.6	2.74	0.0	17.3	6.8	110.7
3542.00	65.3	22.8	2.74	0.0	17.7	6.9	111.9
3540.00	77.3	18.6	2.76	0.0	18.1	7.0	113.0
3538.00	55.1	19.0	2.74	0.0	18.5	7.1	114.2
3536.00	73.7	17.4	2.76	0.0	18.9	7.3	115.4
3534.00	57.9	20.0	2.72	0.0	19.2	7.4	116.5
3532.00	69.2	20.0	2.73	0.0	19.6	7.6	117.7
3530.00	69.3	17.1	2.78	0.0	20.0	7.7	118.3
3528.00	55.0	12.6	2.74	0.0	20.3	7.8	119.3
3526.00	74.0	7.0	2.82	0.0	20.5	7.8	120.9
3524.00	58.4	3.2	2.83	0.0	20.6	7.9	121.9
3522.00	38.8	3.0	2.81	0.0	20.6	7.9	122.9
3520.00	21.9	7.3	2.76	0.0	20.7	8.0	123.3
3518.00	33.4	15.4	2.69	0.0	21.0	8.2	124.7
3516.00	69.6	18.2	2.71	0.0	21.4	8.3	125.6
3514.00	71.1	18.7	2.71	0.0	21.7	8.4	126.5
3512.00	32.6	14.6	2.74	0.0	22.1	8.5	127.4
3510.00	46.4	14.4	2.70	0.0	22.3	8.6	128.2
3508.00	49.6	16.1	2.74	0.0	22.7	8.8	129.1
3506.00	54.1	13.9	2.73	0.0	22.9	8.9	129.9
3504.00	50.7	16.2	2.74	0.0	23.2	9.0	130.7
3502.00	53.4	19.1	2.72	0.0	23.6	9.2	131.5
3500.00	61.2	19.3	2.73	0.0	24.0	9.4	132.3
3498.00	57.3	20.2	2.73	0.0	24.4	9.5	133.1
3496.00	89.0	12.5	2.76	0.0	24.7	9.6	133.9
3494.00	47.7	10.6	2.71	0.0	24.9	9.7	134.7
3492.00	44.4	9.5	2.72	0.0	25.1	9.8	135.4
3490.00	36.4	9.3	2.76	0.0	25.3	9.9	136.2

## \*\*\*\*\*INTERVAL AVERAGES\*\*\*\*\*

0.00	60.1	15.5	2.74	0.0	9.3	3.6	28.3
------	------	------	------	-----	-----	-----	------

3350.00	42.0	2.9	2.77	0.0	35.1	14.7	194.2
3348.00	32.8	5.0	2.78	0.0	35.2	14.8	195.0
3346.00	54.4	3.6	2.81	0.0	35.2	14.9	195.3
3344.00	29.4	5.8	2.78	0.0	35.3	14.9	196.7
3342.00	37.5	11.6	2.76	0.0	35.5	15.0	197.6
3340.00	47.2	14.2	2.73	0.0	35.8	15.2	198.5
3338.00	74.6	11.9	2.77	0.0	36.0	15.3	199.5
3336.00	43.3	10.1	2.77	0.0	36.2	15.3	200.5
3334.00	50.0	14.2	2.74	0.0	36.5	15.5	201.5
3332.00	59.5	11.6	2.80	0.0	36.8	15.6	202.6
3330.00	40.4	9.8	2.81	0.0	37.0	15.7	203.7
3328.00	37.6	13.6	2.75	0.0	37.2	15.9	204.9
3326.00	56.6	18.3	2.74	0.0	37.5	16.0	206.0
3324.00	58.5	21.7	2.73	0.0	37.9	16.2	207.2

## **C-108 ITEM VII – PROPOSED OPERATION**

The Ritz Federal No.1 SWD will be operated as a commercial disposal service to area operators to facilitate in disposal of produced water from typical producing formations in the area. (Samples are included in this application from Yates, Queen and Delaware formation waters - chlorides and TDS are relative compatible with Grayburg waters.)

The system will be closed utilizing a tank battery facility located on the well site and possible future delivery via pipeline.

Injection pressure will be 745 psi with rates limited only by that pressure but are not expected to be greater than approximately 1000 bwpd. In the future, Ray Westall Operating, Inc. may opt to conduct a step rate test if it is determined that greater rates may be required. This would be submitted to OCD as a request to increase the injection pressure.

Routine maintenance will be ongoing and any releases will be reported within 24 hours to OCD on form C-141 pursuant to various portions of 19.15.30 NMAC.

The facility will not be manned but will be available to Ray Westall's customers 24/7. The facility will be available for inspections at any time deemed necessary by OCD.

## **C-108 ITEM VII – PRODUCED WATER ANALYSES**

### **Item VII.4 – Water Analysis of Source Zone Water**

**Yates  
Queen  
Delaware**

### **Item VII.5 – Water Analysis of Disposal Zone Water**

**Grayburg**

**Water Analyses follow this page.**



# C-108 Item VII-4

Source – Yates Formation Water



## Water Analysis

Date: 9/28/2004

2401 Sivley, Artesia NM 88210

Phone (505) 746-3140 Fax (505) 746-2293

### Analyzed For

Company	Well Name	County	State
Gray Pet Mng	Keohane Et al 1	Eddy	New Mexico

### Sample Source

### Sample #

1

### Formation

### Depth

Specific Gravity	1.080	SG @ 60 °F	1.082
pH	6.77	Sulfides	
Temperature (°F)	72	Reducing Agents	

### Cations

Sodium (Calc)	in Mg/L	-23,799	in PPM	-21,987
Calcium	in Mg/L	46,000	in PPM	42,498
Magnesium	in Mg/L	5,040	in PPM	4,656
Soluable Iron (FE2)	in Mg/L	0.0	in PPM	0

### Anions

Chlorides	in Mg/L	58,000	in PPM	53,585
Sulfates	in Mg/L	1,800	in PPM	1,663
Bicarbonates	in Mg/L	288	in PPM	266
Total Hardness (as CaCO3)	in Mg/L	136,000	in PPM	125,647
Total Dissolved Solids (Calc)	in Mg/L	87,329	in PPM	80,681
Equivalent NaCl Concentration	in Mg/L	82,187	in PPM	75,930

### Scaling Tendencies

\*Calcium Carbonate Index 13,244,320

Below 500,000 Remote / 500,000 - 1,000,000 Possible / Above 1,000,000 Probable

\*Calcium Sulfate (Gyp) Index 82,800,000

Below 500,000 Remote / 500,000 - 10,000,000 Possible / Above 10,000,000 Probable

\*This Calculation is only an approximation and is only valid before treatment of a well or several weeks after treatment.

### Remarks



## C-108 Item VII-4

### Disposal Zone – Grayburg

(Sample is representative Queen for approximation.)



## Water Analysis

Date: 9/28/2004

2401 Sivley, Artesia NM 88210

Phone (505) 746-3140 Fax (505) 746-2293

### Analyzed For

Company	Well Name	County	State
Gray Pet Mng	Shugart A 3	Eddy	New Mexico

### Sample Source

Sample #

1

### Formation

Depth

Specific Gravity	1.125	SG @ 60 °F	1.127
pH	6.53	Sulfides	
Temperature (°F)	72	Reducing Agents	

### Cations

Sodium (Calc)	in Mg/L	19,970	in PPM	17,713
Calcium	in Mg/L	40,000	in PPM	35,480
Magnesium	in Mg/L	6,000	in PPM	5,322
Soluble Iron (FE2)	in Mg/L	0.0	in PPM	0

### Anions

Chlorides	in Mg/L	56,000	in PPM	49,672
Sulfates	in Mg/L	1,600	in PPM	1,419
Bicarbonates	in Mg/L	732	in PPM	649

Total Hardness (as CaCO3)	in Mg/L	125,000	in PPM	110,875
Total Dissolved Solids (Calc)	in Mg/L	84,362	in PPM	74,820
Equivalent NaCl Concentration	in Mg/L	77,193	in PPM	68,470

### Scaling Tendencies

\*Calcium Carbonate Index 29,280,000

Below 500,000 Remote / 500,000 - 1,000,000 Possible / Above 1,000,000 Probable

\*Calcium Sulfate (Gyp) Index 64,000,000

Below 500,000 Remote / 500,000 - 10,000,000 Possible / Above 10,000,000 Probable

\*This Calculation is only an approximation and is only valid before treatment of a well or several weeks after treatment.

### Remarks

# C-108 Item VII-4

Source – Delaware Formation Water



## Water Analysis

Date: 9/28/2004

2401 Sivley, Artesia NM 88210  
Phone (505) 746-3140 Fax (505) 746-2293

### Analyzed For

Company	Well Name	County	State
Grady Pet Mng	Keohane Et al 1	Eddy	New Mexico

### Sample Source

Sample #

1

### Formation

Depth

Specific Gravity	1.080	SG @ 60 °F	1.082
pH	6.77	Sulfides	
Temperature (°F)	72	Reducing Agents	

### Cations

Sodium (Calc)	in Mg/L	-23,799	in PPM	-21,987
Calcium	in Mg/L	46,000	in PPM	42,498
Magnesium	in Mg/L	5,040	in PPM	4,656
Soluble Iron (FE2)	in Mg/L	0.0	in PPM	0

### Anions

Chlorides	in Mg/L	58,000	in PPM	53,585
Sulfates	in Mg/L	1,800	in PPM	1,663
Bicarbonates	in Mg/L	288	in PPM	266
Total Hardness (as CaCO3)	in Mg/L	136,000	in PPM	125,647
Total Dissolved Solids (Calc)	in Mg/L	87,329	in PPM	80,681
Equivalent NaCl Concentration	in Mg/L	82,187	in PPM	75,930

### Scaling Tendencies

\*Calcium Carbonate Index

Below 500,000 Remote / 500,000 - 1,000,000 Possible / Above 1,000,000 Probable

\*Calcium Sulfate (Gyp) Index

Below 500,000 Remote / 500,000 - 10,000,000 Possible / Above 10,000,000 Probable

\*This Calculation is only an approximation and is only valid before treatment of a well or several weeks after treatment.

### Remarks

# **C-108 Item VII.5 - Produced Water Data** **Disposal Zone - Grayburg**

## **GRAYBURG**

**API No** 3001500971  
**Well Name** GORMAN JP FEDERAL 001

**Location** ULSTR 28 18 S 27 E  
1980 S 330 W

**Lat / Long** 32.71699 -104.29081

**County** Eddy

**Operator (when sampled)**

**Field** DAYTON EAST

**Unit** L

**Sample Date**

**Analysis Date**

**Sample Source** WELLHEAD

**Depth (if known)**

**Water Typ**

ph		alkalinity_as_caco3_mgL	
ph_temp_F		hardness_as_caco3_mgL	
specificgravity		hardness_mgL	
specificgravity_temp_F		resistivity_ohm_cm	
tds_mgL	112642	resistivity_ohm_cm_temp	
tds_mgL_180C		conductivity	
chloride_mgL	66970	conductivity_temp_F	
sodium_mgL		carbonate_mgL	
calcium_mgL		bicarbonate_mgL	403
iron_mgL		sulfate_mgL	1376
barium_mgL		hydroxide_mgL	
magnesium_mgL		h2s_mgL	
potassium_mgL		co2_mgL	
strontium_mgL		o2_mgL	
manganese_mgL		anionremarks	

**Remarks**

(Produced water data courtesy of NMT Octane NM WAIDS database.)



## **C-108 - Item VIII**

### **Geological Data**

The Grayburg Formation consists of interbedded sandstones, siltstones, and dolomitic carbonates (Handford et al., 1996; Modica and Dorobek, 1996). The sandstones are the main Grayburg reservoirs and were deposited in coastal sabka, sandflat, and eolian environments. (Broadhead et al., 2004)

While the Grayburg in the area is historically very productive, the lower interval proposed for disposal is generally not exploited and appears suitable for lower volume disposal.

The Grayburg is overlain by the Queen and underlain by the San Andres.

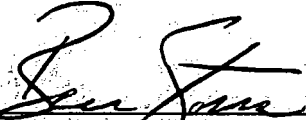
The small zone from 3726 feet to 3794 feet offers reasonably good porosity for anticipated rates of approximately 1000 bwpd.

Fresh water in the area is generally available from the Santa Rosa formation (Capitan Basin). Based on State Engineer's records for water wells in Section Twp 18S, Rng 30E, groundwater is found at a depth of greater than 200 feet.

There is one active water well located within one mile of the proposed SWD and an analysis is included in this application.

## C-108 ITEM XII – GEOLOGIC AFFIRMATION

We have examined available geologic and engineering data and have found no evidence of open faults or other hydrologic connection between the disposal interval and any underground sources of drinking water.

A handwritten signature in black ink, appearing to read 'Ben Stone', is written over a horizontal line.

Ben Stone, Partner  
SOS Consulting, LLC

Project: Ray Westall Operating, Inc.  
Ritz Federal No.1 SWD  
Reviewed 2/15/2017

## C-108 ITEM XI – WATER WELLS IN AOR

Office of State Engineer data indicate only one active water well  
and one P&A water well in the township.  
(P&A well found on Water Column Report.)



### New Mexico Office of the State Engineer Active & Inactive Points of Diversion (with Ownership Information)

(acre ft per annum)		(R=POD has been replaced and no longer serves this file, C=the file is closed)		(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) (NAD83 UTM in meters)	
WR File Nbr	Sub basin Use Diversion Owner	County POD Number	Code Grant	Source	Q Q Q
CP 00818	CP PDL 3 SNYDER RANCHES	LE CP 00818 POD1		Shallow	1 4 26 18S 30E 599289 3620384

Record Count: 1

**PLSS Search:**

Section(s): 25, 26, 35, 36 Township: 18S Range: 30E

Sorted by: File Number

\*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

2/6/17 1:55 PM

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ACTIVE & INACTIVE POINTS OF DIVERSION

# C-108 ITEM XI – WATER WELLS IN AOR

## Depth to Groundwater

Depth to water is not show however, ground water is expected to be approximately 200 feet based on well depths.



## New Mexico Office of the State Engineer Water Column/Average Depth to Water

(A CLW#### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned, C=the file is closed)

(quarters are: 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q	Q	Q	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
CP 00767 POD1	O	CP	ED	3	2	35	18S	30E		599300	3619158	500		
CP 00818 POD1		CP	LE	1	4	26	18S	30E		599289	3620364	240		

Average Depth to Water: --

Minimum Depth: --

Maximum Depth: --

Record Count: 2

PLSS Search:

Section(s): 25, 26, 35, 36 Township: 18S Range: 30E

\*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

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WATER COLUMN/ AVERAGE  
DEPTH TO WATER

# C-108 - Item XI

## Water Analysis – FRESH Water Well Within One Mile

**Elite**  
Well Services LLC

### Water Analysis

2702 N Freeman Artesia, NM 88210

(575) 736-4411 FAX: (575) 736-4958

Date: 2/8/2017  
Company: Westall  
Wellsite: Richardson CC  
State: NM

Tank #:  
Test #:  
Formation  
Source: Well 1

pH	7.51	Temperature (F):	72.0
Specific Gravity	1.005	H <sub>2</sub> S	None Detected

Cations	mg/L	me/L	ppm
Sodium	476.58	20.73	474.21
Calcium	232.58	11.61	231.42
Magnesium	53.46	4.40	53.19
Barium	< 25	---	---
Potassium	< 10	---	---
Iron	0.00	0.00	0.00

Anions	mg/L	me/L	ppm
Chloride	1000.00	28.21	995.02
Sulfate	398.01	9.29	396.03
Carbonate	< 1	---	---
Bicarbonate	19.52	0.32	19.42

	mg/L	me/L	ppm
Total Solids Dissolved	2180.15		2189.30
Total Hardness as CaCO <sub>3</sub>	800.92	18.00	796.93

### Comments

### Scale Analysis

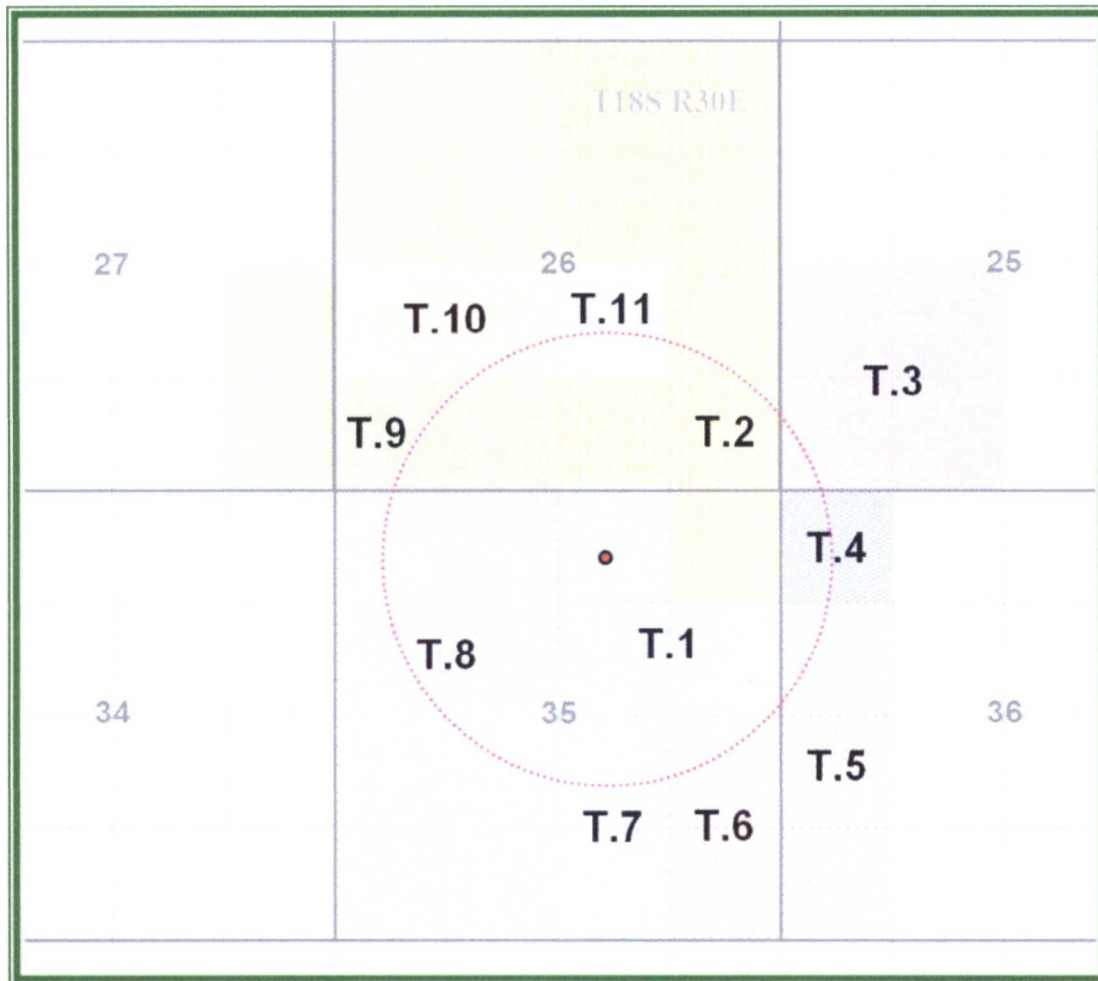
CaCO <sub>3</sub> Factor	4539.9616	Calcium Carbonate Scale Probability	Remote
CaSO <sub>4</sub> Factor	93032	Calcium Sulfate Scale Probability	Remote

Water well North of the Ritz Fed. #4



# Ritz Federal Well No.4 SWD - Leasehold Plat

(Attachment to NMOCD Form C-108, Application for Authority to Inject.)



**RAY WESTALL OPERATING, INC.**

## LEGEND

T.1 – NMNM-093771 – McBride Oil & Gas Corp.	T.7 – NMNM-019440 – Devon Energy Prod. Co.
T.2 – NMNM-0025503 – McBride Oil & Gas Corp.	T.8 – NMNM-0006245 – Trigg Oil & Gas, LP
T.3 – NMNM-0001375 – Chevron USA, Inc.	T.9 – NMNM-027278 – Mewbourne Oil Company
T.4 – BO-2023-0018 – Occidental Permian, LTD	T.10 – NMNM-027277 – ConocoPhillips
T.5 – E0-7811-0003 – ZPZ Delaware I, LLC	T.11 – Private; JR Engineering & Construction Co.
T.6 – NMNM-056542 – Rick Sell, John D. Pool	

**C-108 ITEM XIII – PROOF OF NOTIFICATION  
INTERESTED PARTIES LIST**

**SURFACE OWNER**

U.S. DEPARTMENT OF INTERIOR (USPS Certified Mail)  
Bureau of Land Management  
Oil & Gas Division  
620 E. Greene St.  
Carlsbad, NM 88220

**OFFSET OPERATORS** (All Notified via USPS Certified Mail)

*(Lessees to be notified where an operator is absent; per OCD rules NMAC 19.15.26.7, A. and 19.15.26.8, B.2) Note: Operators of record exist for all lease tracts.*

**Federal Leases NMNM-093771; NMNM-0025503 (T.1 and T.2 on plat)**

**Operators**

- 1 OXY USA WTP LIMITED PARTNERSHIP  
6 Desta Drive, Ste.6000  
Midland, TX 79705-5505

RAY WESTALL OPERATING, INC. (Applicant)  
P.O. Box 4  
Loco Hills, NM 88255

**Federal Lease NMNM-0001375 (T.3 on plat)**

**Operator**

- 2 CHEVRON USA, INC.  
15 Smith Road  
Midland, TX 79705

**State Lease B0-2023-0018 (T.4 on plat)**

**Operator**

OXY USA WTP LIMITED PARTNERSHIP  
6 Desta Drive, Ste.6000  
Midland, TX 79705-5505

**State Lease E0-7811-0003 (T.5 on plat)**

**Operator**

RAY WESTALL OPERATING, INC.  
P.O. Box 4  
Loco Hills, NM 88255

**Federal Lease NMNM-056542 (T.6 on plat)**

**Operators**

- 3 ZIMMERMAN OIL & GAS EXPLORATION, INC.  
P.O. Box 397  
Lovington, NM 88260

**C-108 ITEM XIII – PROOF OF NOTIFICATION  
INTERESTED PARTIES LIST (cont.)**

**Federal Lease NMNM-056542 (T.6 on plat) cont.**

**Operators (cont.)**

OXY USA WTP LIMITED PARTNERSHIP  
6 Desta Drive, Ste.6000  
Midland, TX 79705-5505

**Federal Lease NMNM-019440 (T.7 on plat)**

**Operator**

RAY WESTALL OPERATING, INC.  
P.O. Box 4  
Loco Hills, NM 88255

**Federal Lease NMNM-0006245 (T.8 on plat)**

**Operators**

OXY USA WTP LIMITED PARTNERSHIP  
6 Desta Drive, Ste.6000  
Midland, TX 79705-5505

RAY WESTALL OPERATING, INC.  
P.O. Box 4  
Loco Hills, NM 88255

- 4 TANDEM ENERGY CORP.  
400 N Marienfeld, Ste.100  
Midland, TX 79701

**Federal Lease NMNM-027278 (T.9 on plat)**

**Operator**

RAY WESTALL OPERATING, INC.  
P.O. Box 4  
Loco Hills, NM 88255

**Federal Lease NMNM-027277 (T.10 on plat)**

**Operators**

- 5 CFM OIL COMPANY  
422 West Main St A  
Artesia, NM 88210

- 6 MEWBOURNE OIL COMPANY  
500 W. Texas St., Ste.1020  
Midland, TX 79701

**Fee Lease (T.11 on plat)**

**Operator**

CHEVRON USA, INC.  
15 Smith Road  
Midland, TX 79705

**C-108 ITEM XIII – PROOF OF NOTIFICATION  
INTERESTED PARTIES LIST (cont.)**

**REGULATORY**

NEW MEXICO OIL CONSERVATION DIVISION (FedEx'ed original and copy)  
1220 S. St. Francis Dr.  
Santa Fe, NM 87505

NEW MEXICO OIL CONSERVATION DIVISION (FedEx'ed copy)  
811 S. First St.  
Artesia, NM 88210

BUREAU OF LAND MANAGEMENT (USPS Certified Mail)  
Oil & Gas Division  
620 E. Greene St.  
Carlsbad, NM 88220



February 14, 2017

**NOTIFICATION TO INTERESTED PARTIES**  
**via U.S. Certified Mail**

To Whom It May Concern:

Ray Westall Operating, Inc., Loco Hills, New Mexico, has made application to the New Mexico Oil Conservation Division to convert for salt water disposal the Ritz Federal Well No.4. The proposed commercial operation will be for produced water disposal from area operators. As indicated in the notice below, the well is located in Section 35, Township 18 South, Range 30 East in Eddy County, New Mexico.

Disposal will be into the Grayburg formation through perforations from 3726 feet to 3794 feet at a maximum surface pressure of 745 psi.

Following is the notice published in the Artesia Daily Press, Artesia, New Mexico on or about February 14, 2017.

**LEGAL NOTICE**

Ray Westall, Inc., P.O. Box 4, Loco Hills, NM 88255 is filing Form C-108 (Application for Authority to Inject) with the New Mexico Oil Conservation Division for administrative approval to permit for salt water disposal in its Ritz Federal Well No.4. The well, API No.30-015-25142 is located 890' FNL & 2110' FWL in Section 35, Township 18 South, Range 30 East in Eddy County, New Mexico. Produced water from area production will be commercially disposed into the Grayburg formation through selected perforated intervals between a maximum applied for top of 3726' feet to maximum depth of 3794' feet and based on further log analysis. Maximum injection pressure will be 745 psi with a maximum rate limited only by such pressure.

Interested parties wishing to object to the proposed application must file with the New Mexico Oil Conservation Division, 1220 St. Francis Dr., Santa Fe, NM. 87505, (505)476-3460 within 15 days of the date of this notice. Additional information may be obtained from the applicant's agent, SOS Consulting, LLC, (903)488-9850 or, email [info@sosconsulting.us](mailto:info@sosconsulting.us).

***You have been identified as a party who may be interested as an offset operator or lessee.***

You are entitled to a full copy of the application. A full copy in PDF format on a mini-CD will be arriving within a few days of this notice. If you do not receive it, please call or email SOS Consulting, LLC at 903-488-9850, [info@sosconsulting.us](mailto:info@sosconsulting.us), and a copy will be expedited to you and may also be sent via email if preferred.

Thank you for your attention in this matter.

Best regards,

A handwritten signature in black ink, appearing to read "Ben Stone". The signature is fluid and cursive, with the first name "Ben" and last name "Stone" clearly distinguishable.

Ben Stone, SOS Consulting, LLC  
Agent for Ray Westall Operating, Inc.

Cc: Application File

# C-108 - Item XIV

## Proof of Notice (Certified Mail Receipts)

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# C-108 - Item XIV

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CFM OIL COMPANY  
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Artesia, NM 88210

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Oil & Gas Division  
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Carlsbad, NM 88220

PS Form 3849, October 2007



## **C-108 - Item XIV**

### **Proof of Notice – Legal Notice Newspaper of General Circulation**

#### **Legal Notice**

Ray Westall, Inc., P.O. Box 4, Loco Hills, NM 88255 is filing Form C-108 (Application for Authority to Inject) with the New Mexico Oil Conservation Division for administrative approval to permit for salt water disposal in its Ritz Federal Well No.4. The well, API No.30-015-25142 is located 890' FNL & 2110' FWL in Section 35, Township 18 South, Range 30 East in Eddy County, New Mexico. Produced water from area production will be commercially disposed into the Grayburg formation through selected perforated intervals between a maximum applied for top of 3726' feet to maximum depth of 3794' feet and based on further log analysis. Maximum injection pressure will be 745 psi with a maximum rate limited only by such pressure.

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Published in the Artesia Daily Press, Artesia, N.M., Feb. 14  
2017 Legal No. 24196.

The above is the "Proof Copy" sent from the Artesia Daily Press.  
The affidavit of publication will be forwarded as soon as it is received.

# Affidavit of Publication

No. 24196

State of New Mexico

County of Eddy:

Danny Scott

being duly sworn says that she is the

Publisher

of the Artesia Daily Press, a daily newspaper of General circulation, published in English at Artesia, said county and state, and that the hereto attached

## Legal Ad

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/day on the same

day as follows:

First Publication February 14, 2017

Second Publication

Third Publication

Fourth Publication

Fifth Publication

Sixth Publication

Subscribed and sworn before me this

16th day of February 2017



OFFICIAL SEAL  
Latisha Romine  
NOTARY PUBLIC-STATE OF NEW MEXICO

My commission expires: 5/12/2019

*Latisha Romine*

Latisha Romine

Notary Public, Eddy County, New Mexico

# Copy of Publication:

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Published in the Artesia Daily Press, Artesia, N.M., Feb. 14 2017 Legal No. 24196.

## C-108 - Item XIV

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# C-108 - Item XIV

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## C-108 - Item XIV

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Ray Westall Operating, Inc. – C-108 for its Ritz Federal No.1 SWD

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NOTARY PUBLIC-STATE OF NEW MEXICO

My commission expires: 5/12/2019

*Latisha Romine*

Latisha Romine

Notary Public, Eddy County, New Mexico

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Published in the Artesia Daily Press, Artesia, N.M., Feb. 14 2017 Legal No. 24196.

2017 FEB 27 P 2:23

RECEIVED OCT 11 2017



C-108 Review Checklist: Received 02/21/17 Add. Request:        Reply Date:        Suspended:        [Ver 16]

ORDER TYPE: WFX / PMX (SWD) Number: 1676 Order Date: 06/08/17 Legacy Permits/Orders: None  
[adjacent to water flood]

Well No. 4 Well Name(s): Ritz Federal SWD

API: 30-0 15-25142 Spud Date: 01/01/1985 New or Old: Old (UIC Class II Primacy 03/07/1982)

Footages 890' FNL / 2110' FEL Lot — or Unit B Sec 35 Tsp 18S Rge 30E County Eddy

General Location: ~7mi SE of Loco Hills Pool: Shugart; Y-SR-Q-G-SA Pool No.:         
SWD; Grayburg

BLM 100K Map: Hobbs Operator: Ray Westfall Operating, Inc. OGRID: 119305 Contact: Ben Stone, SOS Consulting

COMPLIANCE RULE 5.9: Total Wells: 97 Inactive: 1 Fincl Assur: OK Compl. Order? No IS 5.9 OK? Yes Date: 6/8/2017

WELL FILE REVIEWED ☒ Current Status: Producer / Queen Penrose; current rpt. prod. 9 BO / 15 BW - 31 days  
steady decline < 1 BO for many reports

WELL DIAGRAMS: NEW: Proposed ☐ or RE-ENTER: Before Conv. ☒ After Conv. ☒ Logs in Imaging: Reservoir Analysis  
+ DLT / M / LGR & DNL

Planned Rehab Work to Well: Squeeze cement existing perfs at 3314'; perf lower at 3726'; use existing casing

Well Construction Details	Sizes (in) Borehole / Pipe	Setting Depths (ft)	Cement (Sx) or Cf	Cement Top and Determination Method
Planned <input type="checkbox"/> or Existing <input checked="" type="checkbox"/> Surface	<u>17 1/2 / 8 5/8</u>	<u>0 to 521</u>	<u>300</u>	<u>Cir. to surface</u>
Planned <input type="checkbox"/> or Existing <input checked="" type="checkbox"/> Interm/Prod	<u>7 7/8 / 5 1/2</u>	<u>0 to</u>	<u>113</u>	<u>3000' [calculated]</u>
Planned <input type="checkbox"/> or Existing <input type="checkbox"/> Interm/Prod	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>
Planned <input type="checkbox"/> or Existing <input type="checkbox"/> Prod/Liner	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>
Planned <input type="checkbox"/> or Existing <input type="checkbox"/> Liner	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>
Planned <input type="checkbox"/> or Existing <input checked="" type="checkbox"/> OH (PERF)	<u>5 1/2</u>	<u>Existing: 3314' - 3342'</u> <u>Planned: 3726' - 3794'</u>	<u>Inj Length</u> <u>68</u>	

Injection Lithostratigraphic Units:	Depths (ft)	Injection or Confining Units	Tops	Completion/Operation Details:
Adjacent Unit: Litho. Struc. Por.		<u>Seven Rivers</u>	<u>2086</u>	Drilled TD <u>3972</u> PBTD <u>3972</u>
Confining Unit: Litho. <input checked="" type="checkbox"/> Struc. <input type="checkbox"/> Por. <input type="checkbox"/>	<u>±225'</u>	<u>Queen</u>	<u>2911</u>	NEW TD <u>NA</u> NEW PBTD <u>NA</u>
Proposed Inj Interval TOP:	<u>3726'</u>	<u>Grayburg (Upper)</u>	<u>3551</u>	NEW Open Hole <input type="checkbox"/> or NEW Perfs <input checked="" type="checkbox"/>
Proposed Inj Interval BOTTOM:	<u>3794'</u>	<u>Lower</u>		Tubing Size <u>2 7/8</u> in. Inter Coated? <u>Yes</u>
Confining Unit: <input checked="" type="checkbox"/> Litho. <input type="checkbox"/> Struc. <input type="checkbox"/> Por. <input type="checkbox"/>	<u>~200'</u>	<u>San Andres / Delaware</u>	<u>4100</u>	Proposed Packer Depth <u>~3626</u> ft
Adjacent Unit: Litho. Struc. Por.		<u>Mtn group</u>		Min. Packer Depth <u>3626</u> (100-ft limit)
				Proposed Max. Surface Press. <u>745</u> psi
				Admin. Inj. Press. <u>745.8</u> (0.2 psi per ft)

#### AOR: Hydrologic and Geologic Information

POTASH: R-111-P Not Required / No BLM Sec Ord ☒ WIPP ☐ Noticed? NA Salt/Salado T: 1601 B: 1602 NW: Cliff House fm —

FRESH WATER: Aquifer Santa Rosa / Rustler / alluvial Max Depth < 300 HYDRO AFFIRM STATEMENT By Qualified Person ☒

NMOSE Basin: Capitan CAPITAN REEF: thru adj NA ☒ No. GW Wells in 1-Mile Radius? 1 FW Analysis? Yes

Disposal Fluid: Formation Source(s) Yates / Queen / Delaware Analysis? Yes On Lease ☐ Operator Only ☐ or Commercial ☒

Disposal Interval: Inject Rate (Avg/Max BWPD): 1000/1900 Protectable Waters? No Source: Hist. Samples System: Closed or Open

HC Potential: Producing Interval? Additional info attached Formerly Producing? Yes Method: Logs/DST/P&A Other See attachment 1-Mile Radius Pool Map NA

AOR Wells: 1/2-M Radius Map? Yes Well List? Yes Total No. Wells Penetrating Interval: 10 Horizontals? Yes Swab in Shugart; Y-SR-Q-G-SA

Penetrating Wells: No. Active Wells 10 Num Repairs? 0 on which well(s)? 0 Diagrams? No

Penetrating Wells: No. P&A Wells 0 Num Repairs? — on which well(s)? — Diagrams? NA

NOTICE: Newspaper Date 02/16/17 Mineral Owner BLM Surface Owner BLM N. Date 02/15/17

RULE 26.7(A): Identified Tracts? Yes Affected Persons: Mewbourne / OXY USA WTP / Charron / Zimmerman / Tandem / CFM N. Date 02/15/17

Order Conditions: Issues: Production casing corr; hydrocarbon potential

Add Order Cond: Cement 5 1/2 casing to surface [CBL if not circulated]; swab test

## **C-108 Application Supplemental Information:**

**Application Well:** Ritz Federal SWD No. 4; Ray Westall Operating

**Subject:** Existing WF Operations in Area

### **1. Benson Shugart Waterflood:**

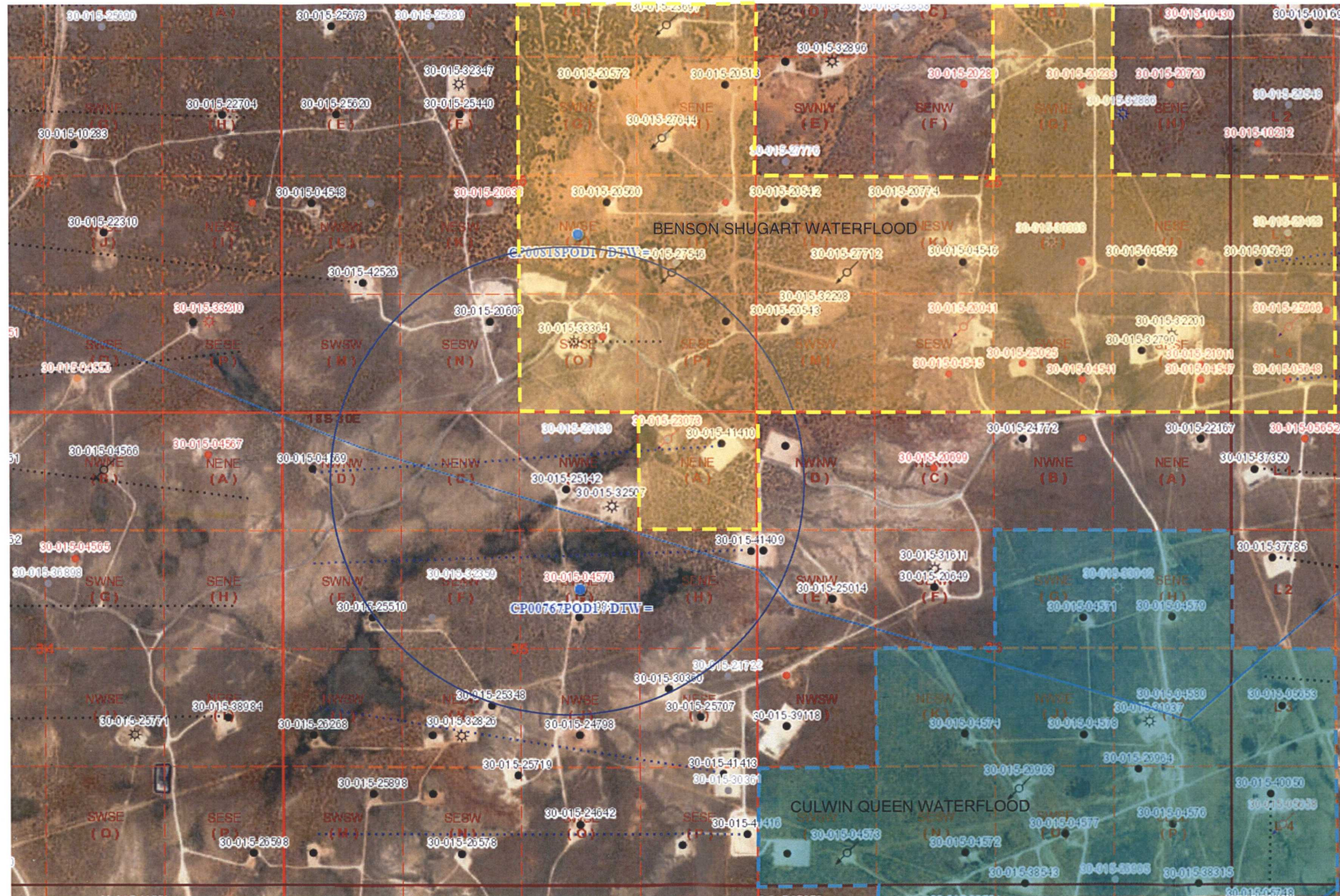
- a. General Location: Secs. 25, 26, and 35, T18S, R30E; and Sec. 30, T18S, R31E
- b. Operator: Chevron USA
- c. Injection Authority: R-9895 (Case 10686)
- d. Pool: Seven Rivers-Queen-Grayburg Pool
- e. Injection Interval: 2450 ft to 3500 ft
- f. Closest Active Injection to Proposed Well: ~3950 ft along same general altitude of structural top of both upper and middle Grayburg (30-015-27712)
- g. Closest Active Production to Proposed Well: ~2600 ft same general altitude of structural top of both upper and middle Grayburg (30-015-20259)
- h. Discussion: primarily upper and middle Grayburg production; Ritz Federal No. 3 has perms in Grayburg (3844 ft to 3874 ft) but separated from proposed injection interval; no issues of interference indicated.

### **2. Culwin Queen Waterflood:**

- a. General Location: Sec. 36, T18S, R30E; Sec. 31, T18S, R31E; Sec. 1, T19S, R30E; and Sec. 6, T19S, R31E
- b. Operator: Ray Westall Operating
- c. Injection Authority: R-2846 (Case 3155); WFX-817
- d. Pool: Shugart; Yates-Seven Rivers-Queen-Grayburg Pool
- e. Injection Interval: 3080 ft to 3423 ft
- f. Closest Active Injection to Proposed Well: >5100 ft downdip (30-015-04573)
- g. Closest Active Production to Proposed Well: >5100 ft (30-015-04574)
- h. Discussion: Queen production; no issues of interference indicated.



**C-108 Application Supplemental Information:** Ritz Federal SWD No. 4; Ray Westall Operating











NM OIL CONS. COMMISSION  
UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE\*

(See other in-  
structions on  
reverse side)Form approved.  
Budget Bureau No. 42-R355.5

5. LEASE DESIGNATION AND SERIAL NO.

NM-025503

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Ritz Federal

9. WELL NO.

3

10. FIELD AND POOL, OR WILDCAT

Shugart Y/SR/Q/GB

11. SEC., T., R., M., OR BLOCK AND SURVEY  
OR AREA

S-35 T18S R30E

12. COUNTY OR  
PARISH

Eddy

13. STATE

NM

1a. TYPE OF WELL:

OIL  
WELL ☒GAS  
WELL ☐DRY ☐Other ☐

b. TYPE OF COMPLETION:

NEW  
WELL ☒WORK  
OVER ☐DEEP-  
EN ☐PLUG  
BACK ☐DIFF.  
RESV. ☐Other ☐

2. NAME OF OPERATOR

Ray Westall

8. ADDRESS OF OPERATOR

Box 4 Loco Hills, New Mexico 88255

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*

At surface  
23110 FNL & 1980 FEL

At top prod. interval reported below

At total depth

14. PERMIT NO.

DATE ISSUED

15. DATE SPUNDED

9/21/84

16. DATE T.D. REACHED

10/01/84

17. DATE COMPL. (Ready to prod.)

10/11/84

18. ELEVATIONS (DF, REB, RT, GR, ETC.)\*

3421 GR

19. ELEV. CASINGHEAD

3423

20. TOTAL DEPTH, MD &amp; TVD

4000'

21. PLUG, BACK T.D., MD &amp; TVD

3990'

22. IF MULTIPLE COMPL.,  
HOW MANY\*23. INTERVALS  
DRILLED BY

ROTARY TOOLS

CABLE TOOLS

all

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*

3844-74 Grayburg 3078-3213 Queen

26. TYPE ELECTRIC AND OTHER LOGS RUN

CNL/ DLL

27. WAS WELL CORED

no

29. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8"	23#	485'	12 1/4"	280 SXS	none
5 1/2"	17#	4000'	7 7/8"	1400 SXS	none

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 5/8"	3240'	Free

30. TUBING RECORD

31. PERFORATION RECORD (Interval, size and number)

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
3844-74	1,000 gal. 15% SKA acid
3078-3213	2,000 gal 15% SKA acid
	60,000 gal KCL wtr.
	100,000 # 10/20 Sd

33. PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
10/25/84		Pump				prod.	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
12/15/84	24	7/8	→	10	25	30	25:1
FLOW, TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
0	10#	→					

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

vented

DEC 2 1984

TEST WITNESSED BY

Ray Westall

35. LIST OF ATTACHMENTS

Deviation survey logs

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

Ray Westall

TITLE

Operator

DATE

12-21-84

\*(See Instructions and Spaces for Additional Data on Reverse Side)

## INSTRUCTIONS

**General:** This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

**Item 4:** If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

**Item 18:** Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

**Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

**Item 29: "Sacks Cement":** Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

**Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

### 37. SUMMARY OF POROUS ZONES:

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
Seven-Rivers	2262	2300	Oil, Sand
Queen	3076	3214	Oil, Sand

### 38.

### GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
B/Salt	1790	
Seven-Rivers	2262	
Queen	2954	
Grayburg	3632	-211' 91
San Andre	3894	-473' 91

**Production Summary Report**  
**API: 30-015-25142**  
**RITZ FEDERAL #004**  
**Printed On: Thursday, June 08 2017**

Year	Pool	Production				
		Month	Oil (BBLs)	Gas (MCF)	Water (BBLs)	Days P/I
1992 Cum	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Dec	3410	8898	29378	99
1993	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Jan	14	0	0	5
1993	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Feb	15	0	0	4
1993	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Mar	12	0	0	4
1993	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Apr	15	0	0	5
1993	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	May	18	0	0	6
1993	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Jun	11	0	0	5
1993	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Jul	13	0	0	5
1993	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Aug	17	0	0	6
1993	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Sep	13	0	0	7
1993	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Oct	15	0	0	5
1993	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Nov	12	0	0	4
1993	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Dec	13	0	0	4
1994	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Jan	14	0	0	8
1994	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Feb	13	0	0	4
1994	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Apr	13	0	0	7
1994	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	May	11	0	0	3
1994	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Jun	2	0	0	0
1994	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Jul	0	0	0	0
1994	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Aug	0	0	0	0
1994	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Sep	2	0	0	0
1994	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Dec	0	0	0	0
1995	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Feb	0	0	0	0
1995	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Mar	0	0	0	0
1995	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Apr	0	0	0	0
1995	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	May	0	0	0	0
1995	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Jun	0	0	0	0
1995	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Jul	0	0	0	0
1995	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Aug	0	0	0	0
1995	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Sep	0	0	0	0
1995	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Oct	0	0	0	0
1995	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Nov	0	0	0	0
1995	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Dec	0	0	0	0
1996	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Jan	0	0	0	0
1996	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Feb	0	0	0	0
1996	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Mar	0	0	0	0
1996	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Apr	0	0	0	0
1996	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	May	0	0	0	0
1996	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Jun	0	0	0	0



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		Month	Oil (BBLs)	Gas (MCF)	Water (BBLs)	Days P/I
1996	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Jul	0	0	0	0
1996	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Aug	7	0	0	6
1996	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Sep	0	0	0	0
1996	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Oct	0	0	0	0
1996	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Nov	0	0	0	0
1996	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Dec	10	0	0	15
1997	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Jan	11	0	0	23
1997	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Feb	44	0	0	27
1997	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Mar	11	0	0	10
1997	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Apr	4	0	0	9
1997	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	May	0	0	0	0
1997	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Jun	0	0	0	0
1997	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Jul	0	0	0	0
1997	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Aug	0	0	0	0
1997	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Sep	11	0	0	11
1997	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Oct	13	0	0	11
1997	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Nov	7	0	0	9
1997	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Dec	7	0	0	7
1998	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Jan	7	0	0	9
1998	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Feb	7	0	0	7
1998	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Mar	11	0	0	8
1998	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Apr	6	0	0	7
1998	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	May	9	0	0	12
1998	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Jun	10	0	0	10
1998	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Jul	10	0	0	11
1998	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Aug	9	0	0	5
1998	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Sep	9	0	0	12
1998	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Oct	8	0	0	11
1998	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Nov	9	0	0	14
1998	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Dec	10	0	0	31
1999	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Jan	10	0	0	12
1999	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Feb	10	0	0	12
1999	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Mar	10	0	0	14
1999	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Apr	9	0	0	12
1999	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	May	10	0	0	12
1999	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Jun	5	0	0	9
1999	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Jul	0	0	0	0
1999	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Aug	0	0	0	0
1999	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Sep	5	0	0	4
1999	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Oct	4	0	0	7

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1999	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Nov	6	0	0	6
1999	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Dec	6	0	0	8
2000	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Jan	5	0	0	6
2000	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Feb	6	0	0	7
2000	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Mar	7	0	0	10
2000	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Apr	5	0	0	7
2000	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	May	6	0	0	7
2000	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Jun	5	0	0	5
2000	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Jul	6	0	0	10
2000	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Aug	4	0	0	7
2000	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Sep	4	0	0	7
2000	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Oct	4	0	0	6
2000	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Nov	4	0	0	4
2000	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Dec	3	0	0	4
2001	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Jan	5	0	0	5
2001	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Feb	5	0	0	7
2001	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Mar	5	0	0	7
2001	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Apr	9	0	0	9
2001	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	May	19	0	0	17
2001	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Jun	0	0	0	0
2001	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Jul	13	0	0	16
2001	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Aug	11	0	90	9
2001	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Sep	11	0	90	9
2001	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Oct	10	0	90	9
2001	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Nov	5	0	70	7
2001	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Dec	15	0	120	12
2002	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Jan	3	0	50	5
2002	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Feb	5	0	40	4
2002	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Mar	9	0	60	6
2002	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Apr	8	0	50	5
2002	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	May	0	0	0	0
2002	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Jun	0	0	0	0
2002	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Jul	0	0	0	0
2002	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Aug	0	0	0	0
2002	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Sep	7	0	60	6
2002	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Oct	5	0	50	5
2002	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Nov	4	0	60	6
2002	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Dec	2	0	30	3
2003	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Jan	6	0	50	5
2003	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Feb	5	0	60	6



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2003	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Mar	2	0	20	2
2003	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Apr	2	0	40	4
2003	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	May	5	0	40	4
2003	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Jun	4	0	40	4
2003	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Jul	5	0	50	5
2003	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Aug	1	0	20	2
2003	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Sep	0	0	0	0
2003	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Oct	0	0	0	0
2003	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Nov	0	0	0	0
2003	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Dec	0	0	0	0
2004	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Jan	0	0	0	0
2004	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Feb	0	0	0	0
2004	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Mar	0	0	0	0
2004	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Apr	8	0	103	4
2004	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	May	98	0	310	31
2004	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Jun	80	0	300	30
2004	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Jul	79	0	310	31
2004	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Aug	79	0	300	30
2004	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Sep	75	0	300	30
2004	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Oct	72	0	280	28
2004	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Nov	64	0	300	30
2004	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Dec	57	0	310	31
2005	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Jan	12	0	77	31
2005	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Feb	57	0	70	28
2005	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Mar	67	0	77	31
2005	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Apr	69	0	75	30
2005	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	May	63	0	77	31
2005	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Jun	55	0	75	30
2005	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Jul	62	0	77	31
2005	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Aug	55	0	77	31
2005	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Sep	49	0	70	28
2005	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Oct	47	0	75	30
2005	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Nov	69	0	70	28
2005	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Dec	58	0	67	27
2006	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Jan	44	0	62	25
2006	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Feb	39	0	22	9
2006	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Mar	55	0	77	31
2006	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Apr	57	0	72	29
2006	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	May	48	0	77	31
2006	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Jun	41	0	52	21

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		Month	Oil (BBLs)	Gas (MCF)	Water (BBLs)	Days P/I
2006	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Jul	49	0	35	22
2006	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Aug	43	0	62	25
2006	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Sep	44	0	35	14
2006	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Oct	50	0	75	30
2006	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Nov	43	0	75	30
2006	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Dec	45	0	77	31
2007	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Jan	44	0	32	31
2007	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Feb	40	0	28	28
2007	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Mar	43	0	31	31
2007	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Apr	44	0	29	30
2007	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	May	50	0	35	31
2007	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Jun	37	0	27	30
2007	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Jul	39	0	26	31
2007	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Aug	37	0	26	31
2007	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Sep	36	0	27	27
2007	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Oct	36	0	30	30
2007	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Nov	35	0	30	30
2007	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Dec	36	0	31	31
2008	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Jan	36	0	32	31
2008	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Feb	35	0	29	29
2008	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Mar	32	0	28	28
2008	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Apr	32	0	27	27
2008	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	May	50	0	31	31
2008	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Jun	31	0	26	26
2008	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Jul	33	0	30	30
2008	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Aug	32	0	33	31
2008	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Sep	49	0	30	30
2008	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Oct	40	0	30	30
2008	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Nov	9	0	25	27
2008	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Dec	23	0	17	31
2009	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Jan	6	0	25	31
2009	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Feb	18	0	28	28
2009	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Mar	21	0	31	31
2009	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Apr	18	0	30	30
2009	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	May	5	0	9	11
2009	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Jun	9	0	7	11
2009	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Jul	21	0	31	31
2009	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Aug	21	0	31	31
2009	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Sep	39	0	0	30
2009	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Oct	25	0	11	28

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		Month	Oil (BBLs)	Gas (MCF)	Water (BBLs)	Days P/I
2009	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Nov	28	0	2	23
2009	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Dec	31	0	19	27
2010	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Jan	19	0	51	23
2010	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Feb	10	0	21	25
2010	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Mar	19	0	51	23
2010	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Apr	11	0	21	28
2010	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	May	9	0	17	24
2010	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Jun	11	0	10	23
2010	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Jul	3	0	8	19
2010	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Aug	0	0	0	0
2010	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Sep	0	0	0	0
2010	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Oct	0	0	0	0
2010	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Nov	0	0	0	0
2010	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Dec	0	0	0	0
2011	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Jan	0	0	0	0
2011	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Feb	0	0	0	0
2011	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Mar	0	0	0	0
2011	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Apr	0	0	0	0
2011	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	May	0	0	0	0
2011	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Jun	0	0	0	0
2011	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Jul	0	0	0	0
2011	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Aug	0	0	0	0
2011	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Sep	0	0	0	0
2011	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Oct	43	0	98	21
2011	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Nov	0	0	84	19
2011	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Dec	54	0	308	30
2012	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Jan	0	0	137	26
2012	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Feb	0	0	94	22
2012	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Mar	0	0	25	12
2012	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Apr	8	0	58	29
2012	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	May	20	0	18	3
2012	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Jun	0	0	1	2
2012	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Jul	3	0	0	4
2012	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Aug	5	0	45	12
2012	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Sep	0	0	59	13
2012	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Oct	18	0	14	16
2012	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Nov	0	0	5	1
2012	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Dec	3	0	13	6
2013	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Jan	8	0	34	10
2013	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Feb	4	0	6	6

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2013	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Mar	17	0	77	12
2013	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Apr	0	0	32	12
2013	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	May	5	0	24	13
2013	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Jun	3	0	20	4
2013	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Jul	2	0	42	7
2013	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Aug	3	0	10	9
2013	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Sep	9	0	31	9
2013	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Oct	8	0	8	9
2013	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Nov	6	0	4	6
2013	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Dec	0	0	0	0
2014	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Jan	0	0	0	0
2014	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Feb	0	0	0	0
2014	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Mar	0	0	0	0
2014	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Apr	0	0	0	0
2014	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	May	6	0	2	4
2014	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Jun	2	0	16	3
2014	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Jul	2	0	1	3
2014	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Aug	3	0	1	3
2014	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Sep	8	0	3	6
2014	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Oct	3	0	1	3
2014	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Nov	7	0	1	3
2014	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Dec	1	0	1	2
2015	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Jan	8	0	3	6
2015	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Feb	8	0	3	7
2015	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Mar	5	0	22	4
2015	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Apr	1	0	16	3
2015	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	May	4	0	22	4
2015	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Jun	1	0	5	1
2015	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Jul	1	0	16	3
2015	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Aug	0	0	5	1
2015	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Sep	0	0	16	3
2015	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Oct	1	0	11	2
2015	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Nov	1	0	16	3
2015	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Dec	1	0	5	1
2016	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Jan	1	0	11	2
2016	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Feb	2	0	16	3
2016	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Mar	0	0	5	1
2016	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Apr	1	0	11	2
2016	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	May	0	0	0	0
2016	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Jun	1	0	11	2

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2016	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Jul	6	0	5	1
2016	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Aug	16	0	16	3
2016	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Sep	1	0	96	30
2016	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Oct	9	0	130	31
2016	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Nov	2	0	104	30
2016	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Dec	10	0	209	31
2017	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Jan	0	0	45	31
2017	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Feb	2	0	51	28
2017	[56439] SHUGART;YATES-7RS-QU-GRAYBURG	Mar	9	0	15	31