

DATE IN 2/23/2016	SUSPENSE	ENGINEER PRC	LOGGED IN 2/23/2016	TYPE SW	APP NO. PMAM1605559734
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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

*Ben Stone*

Agent for Guardian Operating Corp. 2/18/16

Title

Date

ben@sosconsulting.us

e-mail Address

RECEIVED OGD  
 2016 FEB 23 P 2:55

- SWD  
 - Guardian operating Corp  
 287300  
 well  
 - Kinkas SWD #1  
 30-015 - 23299  
 - POY  
 - SWD, Cherry  
 Canyon  
 97003

Need Ad  
 Regal Ad  
 - X section - prior  
 - Log thing  
 - Log thing  
 - 1-2-10



February 18, 2016

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

Attn: Mr. David Catanach, Director

*Re: Application of Guardian Operating Corp. to permit for salt water disposal its Kirkes Com No.1 well, located in Section 10, Township 24 South, Range 28 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 for disposal in the Kirkes Com Well No.1.

Guardian Operating seeks to permit this well as a private disposal solution for its operations in southeast New Mexico. Approval of this application is consistent with that goal as well as the NMOCD's mission of preventing waste, protection of correlative rights and the environment.

Published legal notice ran in the February 18, 2016 edition of the Artesia Daily Press and all offset operators and other interested parties have been notified individually. The legal notice affidavit forwarded upon receipt. The 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 private land and minerals.

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 Guardian Operating Corp.

Cc: Application attachment and file

**APPLICATION FOR AUTHORIZATION TO INJECT**

- I. PURPOSE: **Salt Water Disposal** and the application **QUALIFIES** for administrative approval.
- II. OPERATOR: **Guardian Operating Corp.**  
ADDRESS: **203 W. Wall St Midland, TX 79701**
- CONTACT PARTY: **Randall Cate, Owner 432-553-1849; Agent: SOS Consulting, LLC – Ben Stone (903) 488-9850**
- III. WELL DATA: **Shut-In GAS Well – Convert to SWD. All well data and applicable wellbore diagrams are ATTACHED.**
- 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. **There are 4 Wells in the subject AOR.** 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. **1 P&A Well, schematic ATTACHED.**
- 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 [Cherry Canyon] 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. **Stimulation program – a conventional acid job may be performed to open new injection perfs and formation.**
- \*X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted). **2 Well Logs are on File with OCD and available through OCD Online. Subject Well Log Strip ATTACHED.**
- \*XI. **There are domestic water wells within one mile of the proposed salt water disposal well. Analyses of 2 wells are included and ATTACHED. (Water well locations are indicated on the 2 Mile AOR Map.)**
- 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 3 offset lessees and/or operators within ½ mile, one land owner; private surface and minerals - 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 for Guardian Operating Corp.**

SIGNATURE:  DATE: **2/18/2016**

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:

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

**FORM C-108 – APPLICATION FOR AUTHORIZATION TO INJECT (cont.)**

**III. WELL DATA – *The following information and data is included (See ATTACHED Wellbore Schematic):***

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.



## **C-108 - Items III, IV, V**

### **Item III - Subject Well Data**

1. Wellbore Schematic – PROPOSED
2. Wellbore Schematic – CURRENT

### **Item IV – Tabulation of AOR Wells**

1. Tabulation includes all construction data for all wells within a one-half mile Radius of the subject well and which penetrate the proposed interval.
2. Additionally, wells outside one-half but within a ONE mile radius are listed with Basic data such as location, operator, type, depth and status.

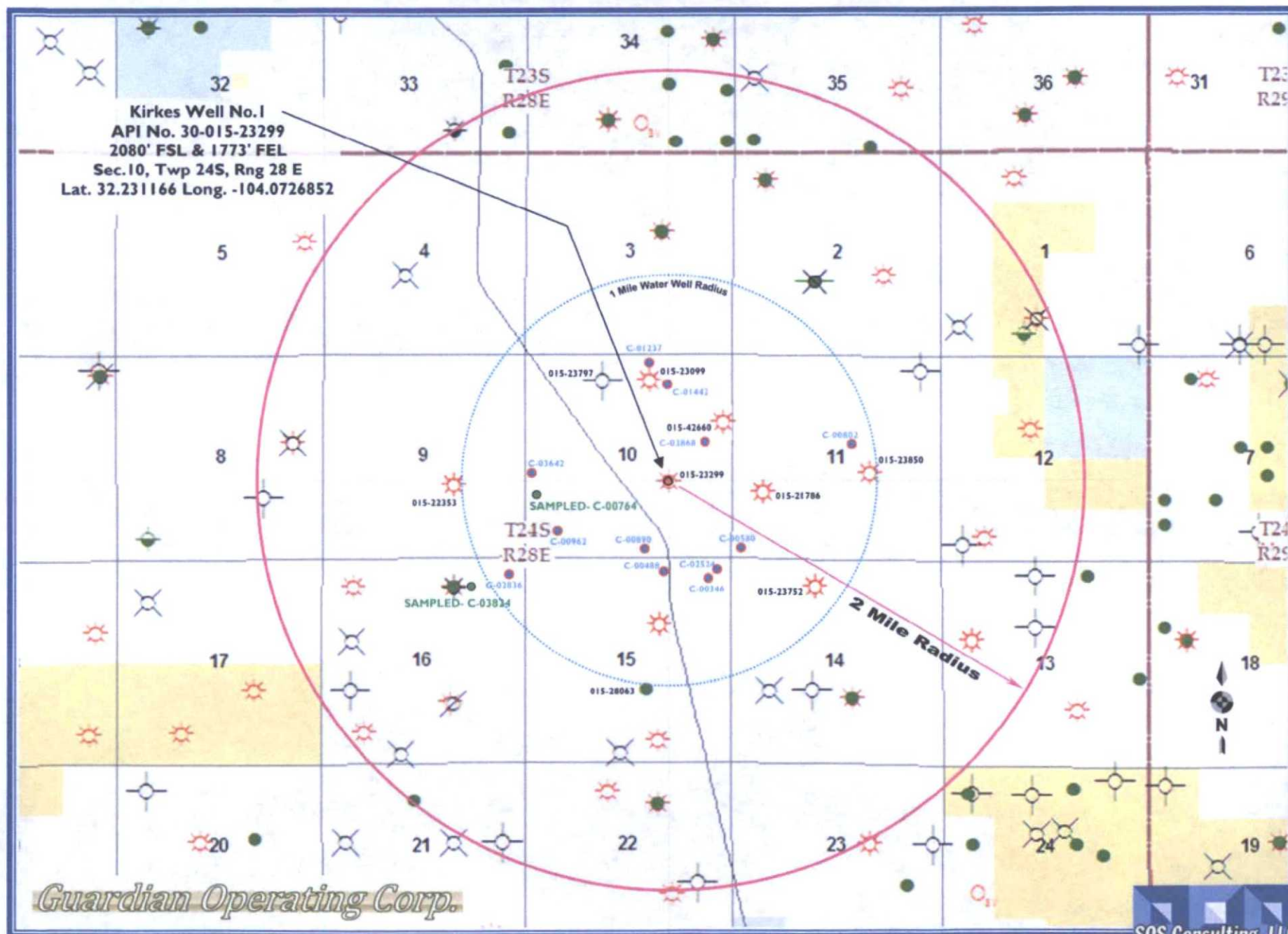
### **Item V – Area of Review Maps**

1. Two Mile AOR Map with One-Mile Fresh Water Well Radius
2. One-Half Mile AOR Map

All Above Exhibits follow this page.

# Kirkes Well No.1 SWD - Area of Review / 2 Miles (Water Wells 1 Mile)

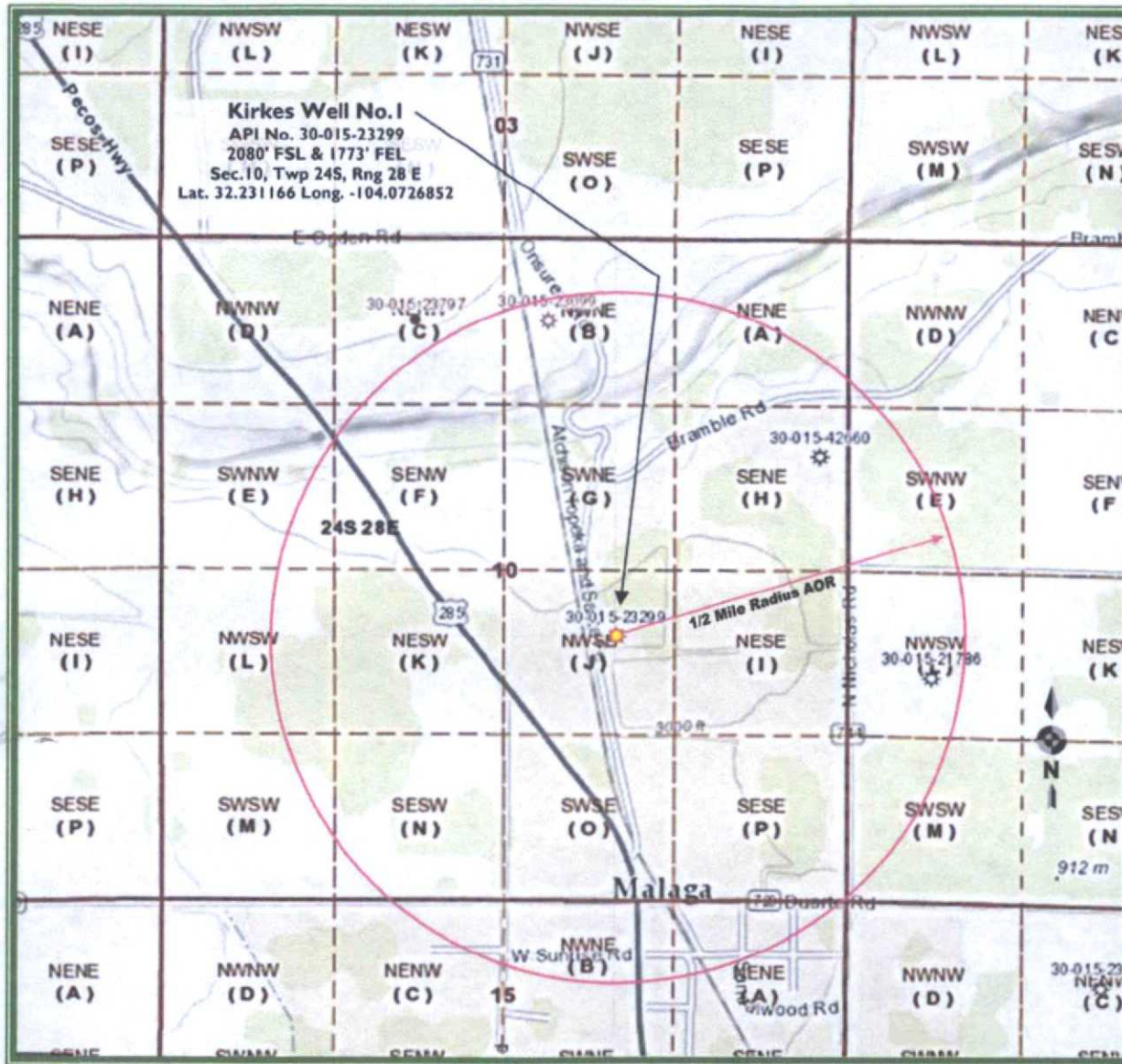
(Attachment to NMOCD Form C-108 - Item V)



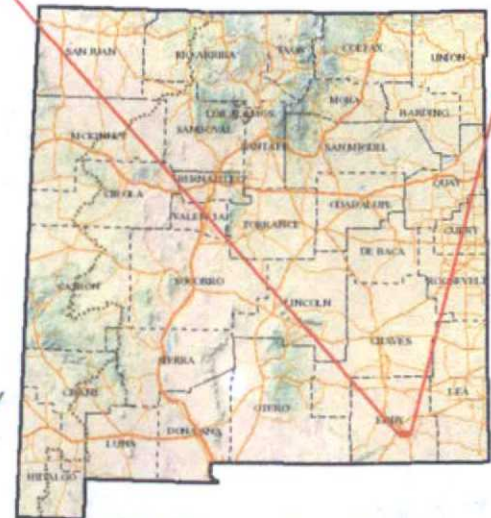


# Kirkes Well No.1 SWD – Area of Review Map

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



0.8 miles N/NW of Malaga, NM



Eddy County, New Mexico

*Guardian Operating Corp.*

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

Top of Proposed CHERRY CANYON  
Interval 3800'

ALL Wells Penetrate Subject Formation.

## WELLS INSIDE 1/2 MILE RADIUS AOR

API	Current Operator	Well Name	Well No.	Type	Lease	Status	ULSTR	M/PB/TV Depth	Plugged On
<b>Subject Well</b>									
30-015-23299	[287300] GUARDIAN OPERATING CORP.	KIRKES COM	#001	Gas	Private	Active	J-10-24S-28E	12,800'	
<b>MORROW Perfs:</b> 12,312'-657' (Shut-In Gas Producer); 20.0" (26.0" hole) @ 400' w/ 575 sx - Circ.; 13.375" (17.5" hole) @ 2509' w/ 2440sx - Circ. 250 sx; 9.675" (12.25" hole) @ 9830' w/ 2840sx - TOC @ 40' by Temp.; 7.375" LNR 9532'-11,997' w/ 435 sx, TOC @ TOL; 4.5" LNR 11,171'-12,799' w/ 270 sx - TOC @ TOL									

## Section 10 Wells

30-015-23099	[228937] MATADOR PROD. CO.	GUIAR 10	#001	Gas	Private	Shut In	B-10-24S-28E	12,210/11,106'	
<b>WOLFCAMP Perfs:</b> 10,614'-721'; 20.0" (26.0" hole) @ 374' w/ 875 sx - Circ.; 13.375" (17.5" hole) @ 2510' w/ 2740sx - Circ.; 9.675" (12.25" hole) @ 9846' w/ 2800sx - TOC @ 720' by Temp.; 7.375" LNR 9564'-12,098' w/ 450 sx, TOC @ TOL; 4.5" LNR 11,854'-12,710' w/ 188 sx - TOC @ TOL     Reentered & ran new 5.5" 0'-11,200' w/ 150 sx. TOC @ 9420' CBL.									

30-015-23797	[214263] PRE-ONGARD WELL OPERATOR	PRE-ONGARD WELL	#001	Oil		P&A	C-10-24S-28E	11,778'	3/24/1984
SEE P&A DIAGRAM ATTACHED.									

30-015-42660	[228937] MATADOR PROD. CO.	GUIAR 10 24S 28E RB	#202H	Gas	Private	Active	H-10-24S-28E	14150'/9475'	
<b>HZNTL WOLFCAMP Perfs:</b> 9785' - 12,725' (Lateral TVD ~9500'+/-); 13.375" (17.5" hole) @ 610' w/ L-335 sx, T-175 sx - Circ.; 9.675" (12.25" hole) @ 2520' w/ L-542 sx, T-251 sx, Circ.; 7.0" (8.75" hole) @ 9731' w/ L-638 sx, T-270 sx, Circ.; 4.5" (6.125" hole) 8000' - 12,710' w/ 591 sx - TOC @ TOL.									

## Section 11 Wells

30-015-21786	[229137] COG OPERATING LLC	CNB COM	#001	Gas	Private	Active	L-11-24S-28E	12,835'	
<b>MORROW Perfs:</b> 12,266'-402'; 13.375" (17.5" hole) @ 630' w/ 485 sx - Circ. 75 sx; 9.675" (12.25" hole) @ 9925' w/ 1600 sx 1st stg./1500 BH Sqz - TOC @ Surf.; 7.625" LNR 9532'-11,786' w/ 350 sx, TOC @ TOL; 5.0" LNR 11,171'-12,834' w/ 250 sx - TOC @ TOL									

**SUMMARY: 4 wells in 1/2 mile radius penetrate proposed disposal interval. 1 P&A.**

## REMAINING WELLS OUTSIDE 1/2 MILE UP TO 1 MILE RADIUS (Summary data only.)

### Section 11 Wells

30-015-02489	[214263] PRE-ONGARD WELL OPERATOR	PRE-ONGARD WELL	#001	Oil		P&A	A-11-24S-28E	2689'	4/23/1952
30-015-23850	[229137] COG OPERATING LLC	VASQUEZ	#001	Gas	Private	Active	J-11-24S-28E	12,900'	

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

### Section 14 Well

30-015-23752	[287300] GUARDIAN OPERATING CORP.	MARRA	#001	Gas	Private	Active	C-11-24S-28E	12,880'
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### Section 15 Wells

30-015-28063	[12361] KAISER-FRANCIS OIL CO	WILLOW LAKE 15	#002	Oil	Private	Active	J-15-24S-28E	4912'
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30-015-23036	[228937] MATADOR PROD. CO.	ANN COM	#001	Gas	Private	Shut In	G-15-24S-28E	11,127'
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### Section 9 Well

30-015-22353	[241333] CHEVRON MIDCONTINENT, L.P.	WOODS 9 COM	#001	Gas	Private	Active	J-09-24S-28E	12,752'
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# WELL SCHEMATIC - PROPOSED Kirkes SWD Well No.1

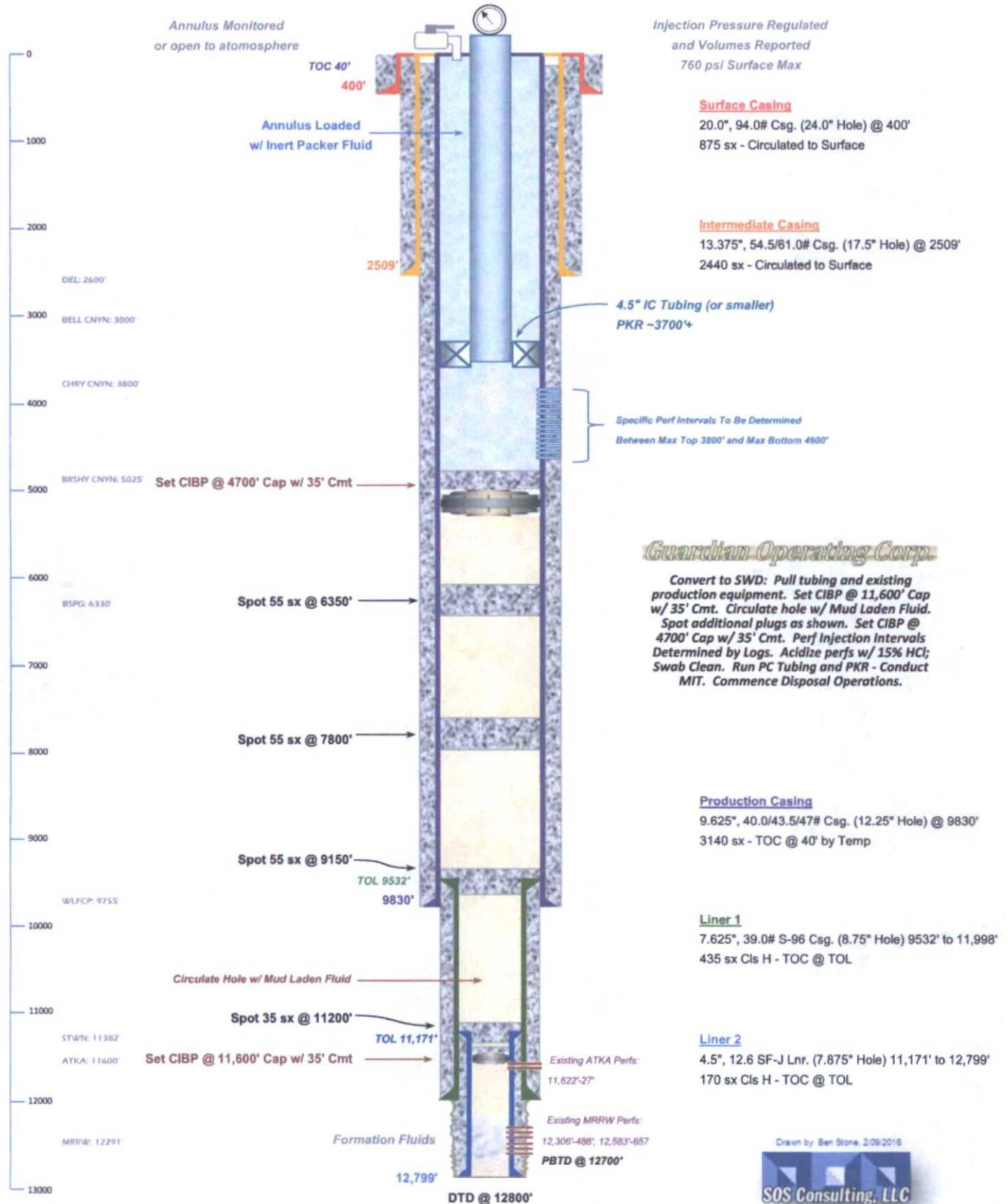
API 30-015-23299

2080' FSL & 1773' FEL, SEC. 10-T24S-R28E  
EDDY COUNTY, NEW MEXICO

SWD; Cherry Canyon - Pool ID 97003

Spud Date: 4/27/1980

SWD Config Dt: ~5/15/2015



# ~~Kaiser-Francis Oil Company~~

## Kirkes #1 (Current)

**Location:** 2080' FSL, 1773' FEL, Sec 10, T24S, R28E  
**County:** Eddy  
**State:** New Mexico  
**Elevation:** GL - 3003' KB - 3024'

**API -** 30-015-23299  
**Spud Date:** 4/27/80  
**Completed:** 4/81  
**Diagram:** Updated - 9/11/2014

### Work History:

**4/80:** Well drilled by Aminoil to 12,800'. Mild deviation throughout. Took gain 11,620-626 (Atoka).

**8/80:** Perf Atoka 11,622-27' through tubing w/ 1 9/16" gun. Went on vac post perf. Az perfs w/ 2000 7.5% MS Acid w/ 15 BS ATP-7800 AIR-3 BPM ISIP-5000 15-4950#. Swabbed and well wouldn't maintain much flow.

**8/80:** Circ 2436 gal 6% HCl + 1% HF over perfs w/ CT. Rec some mud and barite.

**8/80:** Re-Perf Atoka 11,622-27' through tubing w/ 1 9/16" gun. Went on vac post perf. Az perfs w/ 9534 gal 6% HCl/1% HF + N2 15 BS ATP-7000 AIR-7.4BPM. Jet well w/ CT

**8/80:** Ran temp log and it indicated gas migration 11,360-538' (poor cement behind 7 5/8" liner).

**10/80:** Ran BHP svry on Atoka. BHP 6000++#

**10/80:** Frac Atoka dwn 2 7/8" w/ 572 bbls YFCO2 + 30,000# sand. AR-10.75 AP-8100. ISIP-5200#.

**10/80:** Parted 1" CT @ 8890' trying to jet well in. Eventually fished CT out. Rec cmt and mud during fishing job. Re-ran tubing and pkr, and tried to produce Atoka, but kept producing mud.

**2/81:** Milled up GR/JB that was lost in hole to access 4 1/2" liner top. Ran 2nd 4 1/2" 12.24# N-80 SFJ liner f/ 11,694-11,171'. Cmt'd w/ 100 sx Class H. Found good cement on top of lap liner. C/O 4 1/2" liner to 12,700'.

**3/81:** Set Baker Model DB pkr @ 12,230, ran 2 7/8" X 2 3/8" tbg string. Perf'd Morrow 12,654'-57', 12,590-92', 12,583-86' (16 holes) w/ 1 9/16" gun. Az w/ 2000 gal 7 1/2% MSR acid + 32 BS. 4-5' flare.

**3/81:** Perf'd Morrow 12,306-12' (12 holes), 12,468-486' (36 holes) w/ 1 9/16" gun (**lost gun in hole**). Az 12,306-657' OA w/ 20,000 gal 7.5% MSR-100 + 1000 scf/bbl N2 + 128 BS. TP- 900-7000#. TR-2-6.9 BPM. ISIP-5650#. Morrow IP'd at 1.147 MMcf/d.

**2/86:** Az Morrow w/ 1500 gal 7.5% MSA + N2 + BS

**3/01:** Change to 2 3/8" tbg string. Couldn't sting out of packer. Eventually got backed off at 12,167' (**2 3/8" CS tubing looking up**). Ran all 2 3/8" string and Model R packer to just above fish.

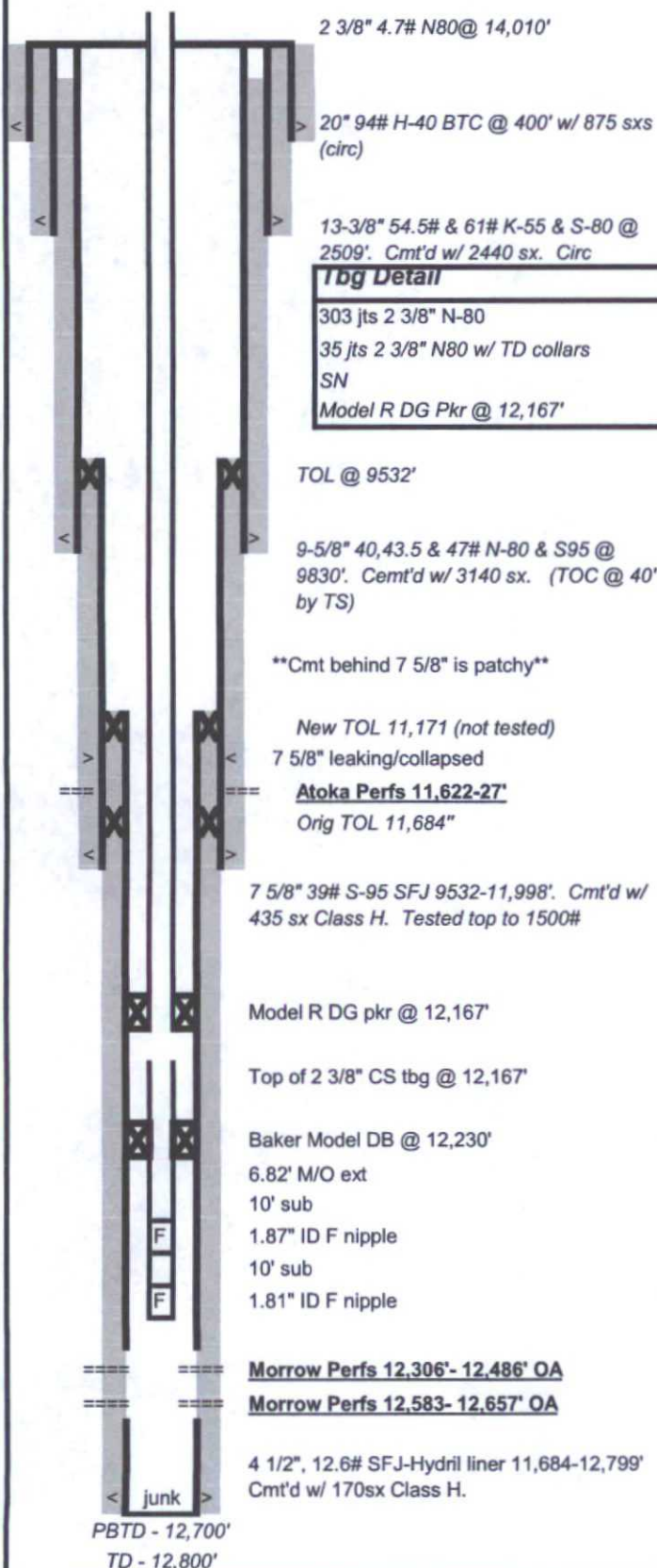
**4/05:** Swabbed. Rec 58 BF in 2 days. **TL-found hole 35 jts above packer.**

**6/06:** Swabbed. Rec 10 bbls in 2 runs

**2/07:** Wtr prod increasing. Swabbed. Rec 40 bbls in 15 runs. IFL-5000 EFL-9000

**6/09:** TL-Release pkr. LD 41 bad joints and found hole in another 377 jts from surface. Test IH to 7000#. Swabbed well and POL

**10/12:** Swabbed. IFL 4700'. 15 runs. Rec 75 BW. EFL @ 8600'. Noted cups dragging on bad pipe or scale 9500-11,200'. Swabbed 7 more runs. Rec 29 BW. Left to sales via compressor.



**C-108 ITEM VI – AOR WELL INFORMATION**

**Plugged Well Schematics**

**For 1 P&A Well in ½ mile AOR**

**30-015-23797**



# PLUGGED WELL SCHEMATIC

## Vasquez Comm Well No.1

API 30-015-23797

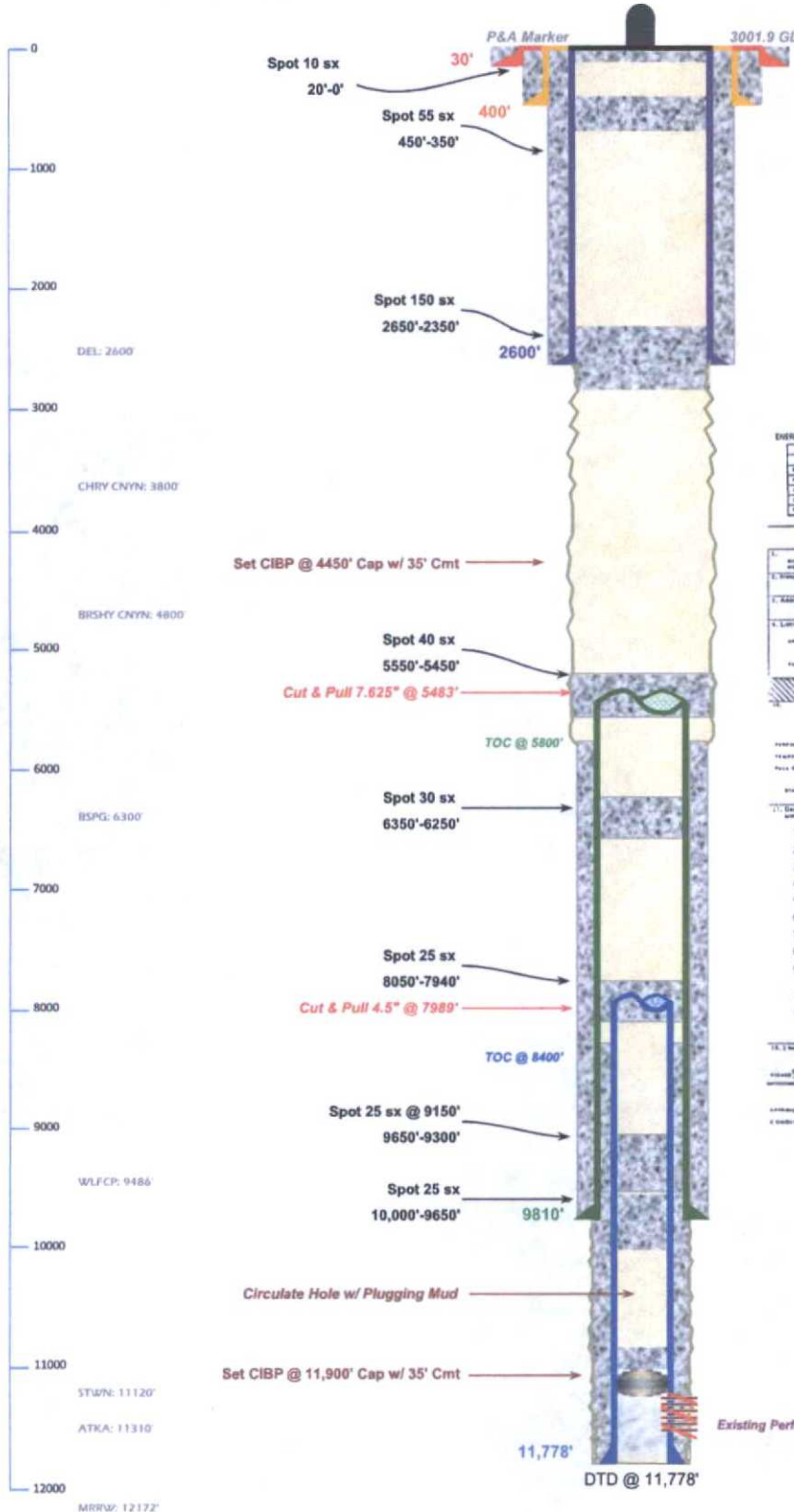
660' FNL & 1980' FWL, SEC. 10-T24S-R28E  
EDDY COUNTY, NEW MEXICO

Spud Date: 5/24/1981

P&A Date: 3/23/1984

Plugged by:  
**Dinero Operating Co.**

<PLUGGING ITEMS LISTED LEFT>



### Conductor Casing

20.0" Csg. (24.0" Hole) @ 30'  
Cement to Surface

### Surface Casing

13.375", 54.0# Csg. (17.5" Hole) @ 531'  
450 sx - 25 sx Circulated to Surface

### Intermediate Casing

10.75", 44.5# csg. (12.25" Hole) @ 2600'  
800 sx - Circulated 125 sx to Surface

### <P&A SUBSEQUENT SUNDRY>

STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT		OIL CONSERVATION DIVISION P. O. BOX 1848 SANTA FE, NEW MEXICO 87501	
WELL NO. 30-015-23797		WELL NAME: Vasquez Comm Well No. 1	
WELL TYPE: PLUGGING		WELL STATUS: PLUGGED	
WELL DEPTH: 11,778'		WELL CEMENT: 11,778'	
WELL CEMENT: 11,778'		WELL CEMENT: 11,778'	

Check Appropriate Box To Indicate Nature of Notice, Request or Other Data	
NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
<input type="checkbox"/> PLUGGING <input type="checkbox"/> REPAIR <input type="checkbox"/> OTHER	<input type="checkbox"/> PLUGGING <input type="checkbox"/> REPAIR <input type="checkbox"/> OTHER

1. Displaced hole with mud.
2. Set 25 sk. plug from 10,000' to 9,650'. (This covered 7 5/8" casing shoe @ 9,810').
3. Set 25 sk. plug from 9,650' to 9,300'. (This covered top of Wolfcamp @ 9,500').
4. Pulled 7,989' of 4 1/2" casing.
5. Set 25 sk. plug from 8,950' to 7,940'. WOC for 4 hours. Tag TOC.
6. Set 30 sk. plug from 8,950' to 8,250'. (This covered top of Bone Spring).
7. Pulled 5,483' of 7 5/8" casing.
8. Set 40 sack plug from 5,550' to 5,450'. WOC for 4 hours. Tag top of cement.
9. Set 150 sk. plug from 2,650' to 2,350'. (This covered 10 3/4" shoe & top of Delaware at 2,600').
10. Set 1/2 sk. plug from 450' to 350'. (This covered the 13 3/8" shoe at 400').
11. Set marker in 10 sacks of cement at surface.

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

Signature: *[Signature]* Title: Production Supervisor Date: 3/23/84

Signature: *[Signature]* Title: *[Signature]* Date: 12-4-84

### Production / Intermediate 2

7.625", 26.4/33.0# Csg. (9.5" Hole) @ 9810'  
550 sx - TOC @ 5800' by Temp

### Production

4.5", 11.6/13.6# (6.5" Hole) @ 11,986' - 11,778'  
400 sx CIs 'H' - TOC @ 8400' by Calc.

Existing Perfs (SQ'U): 11,311'-466'

Drawn by: Ben Stone, 2/08/2016

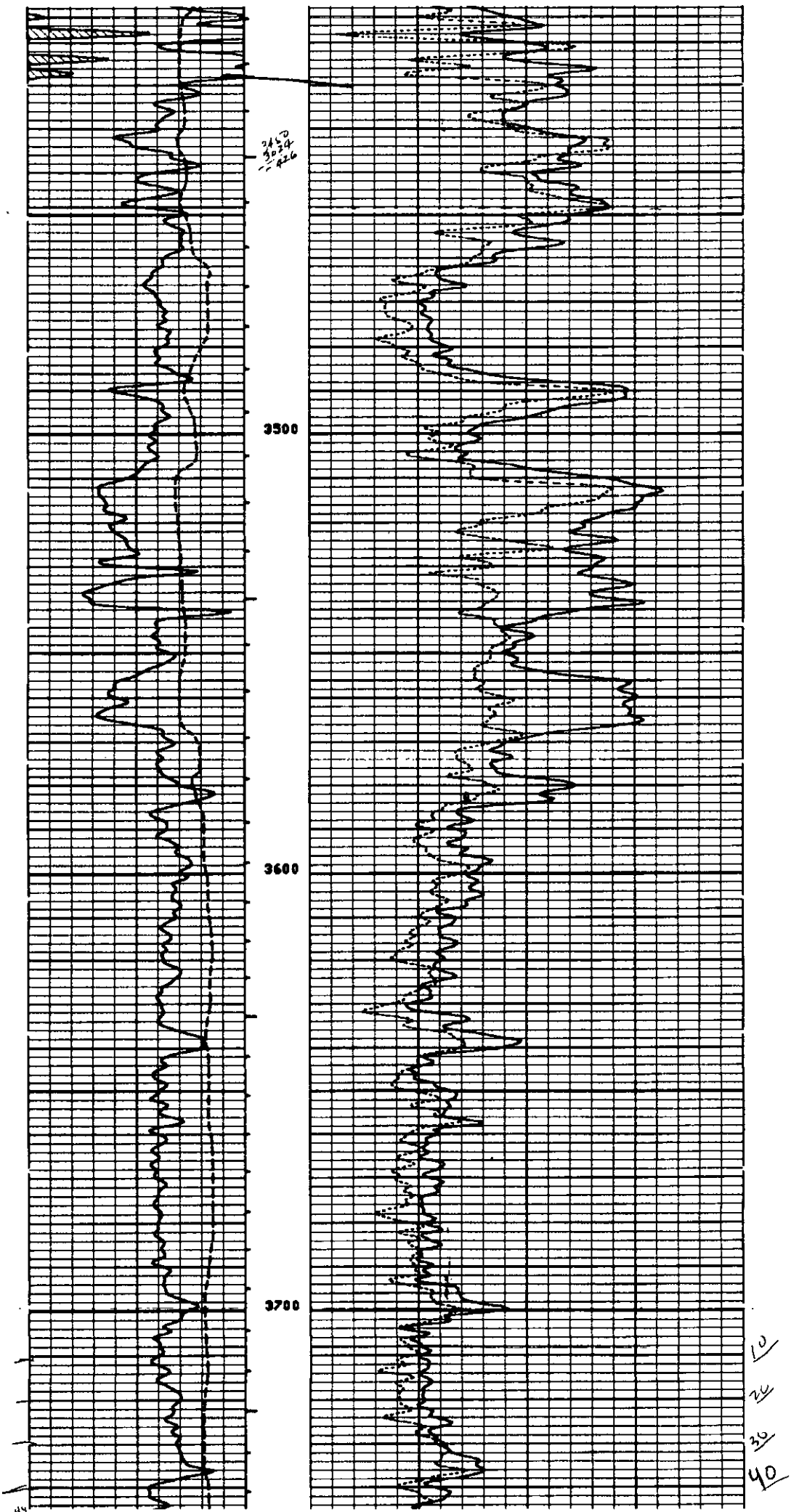


## **C-108 ITEM X – LOGS and AVAILABLE TEST DATA**

A log strip from subject well is attached.

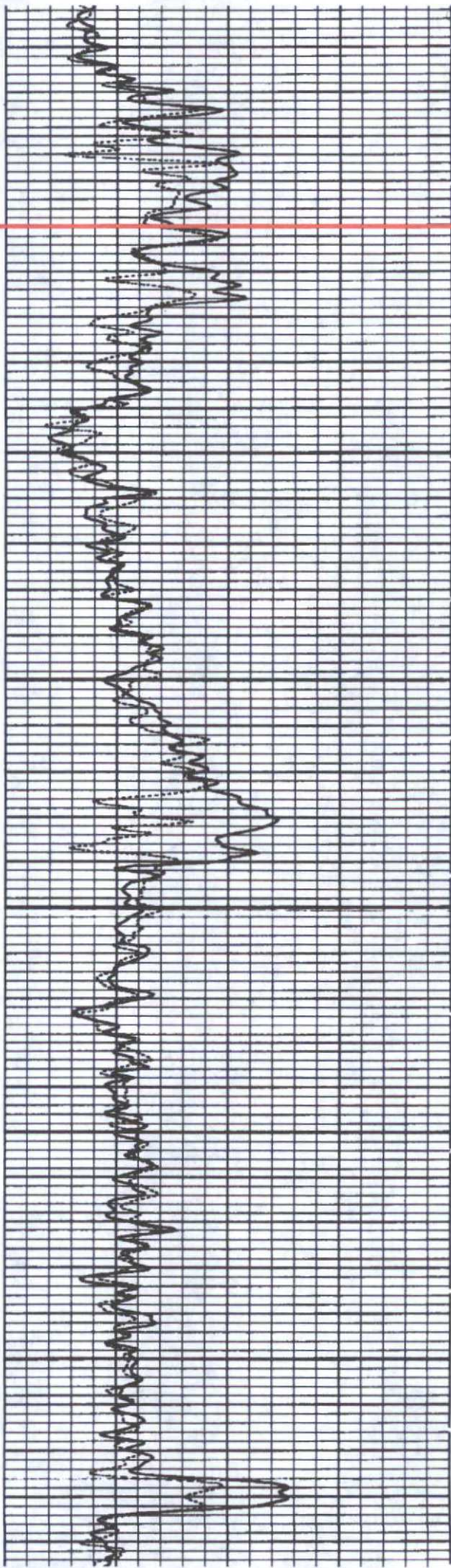
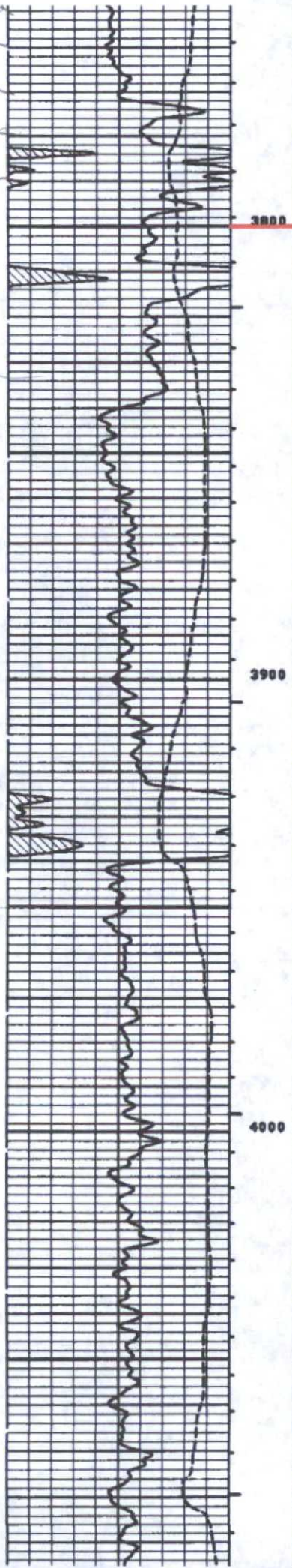
**LOG STRIP FOLLOWS**



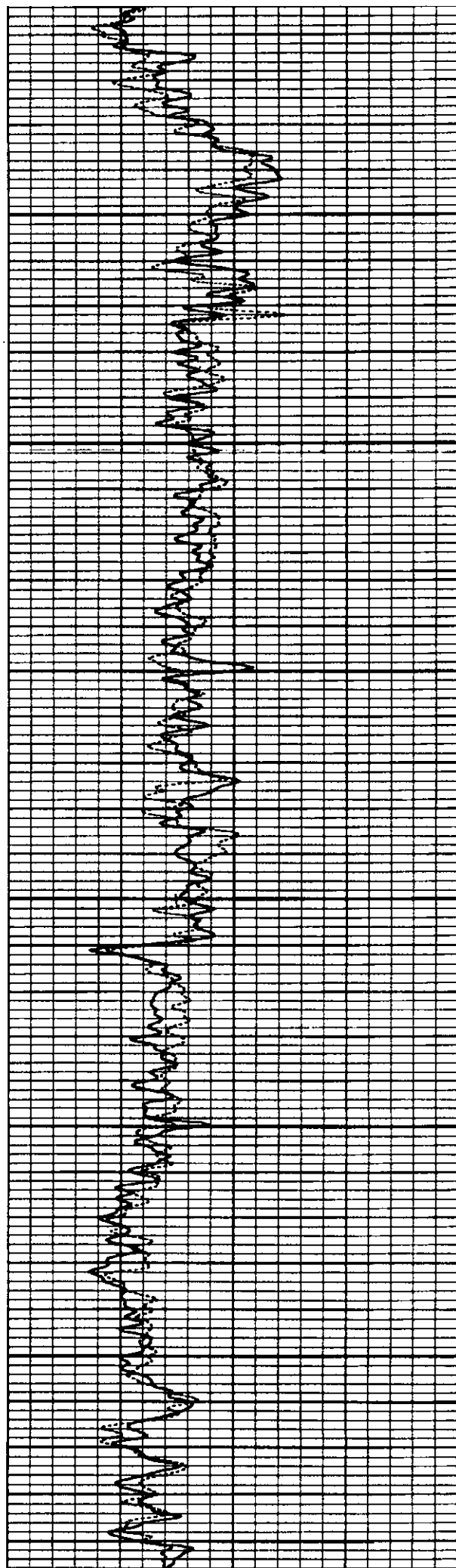
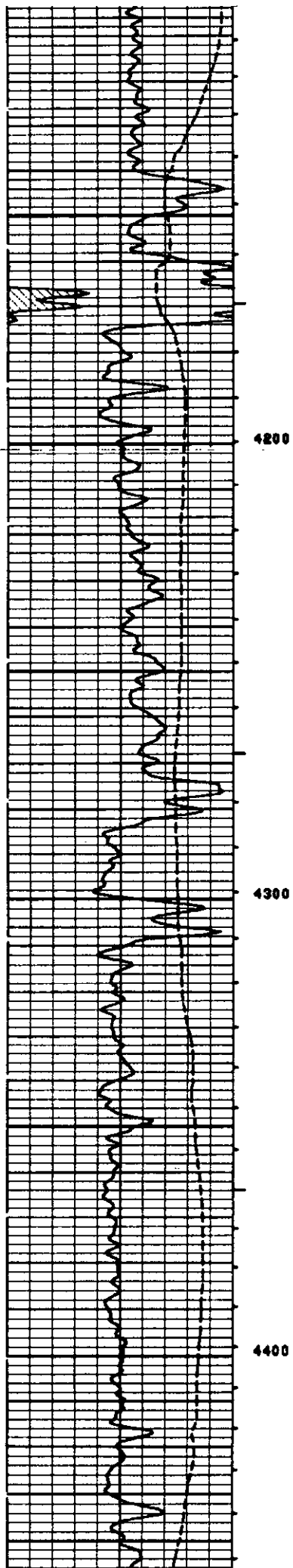




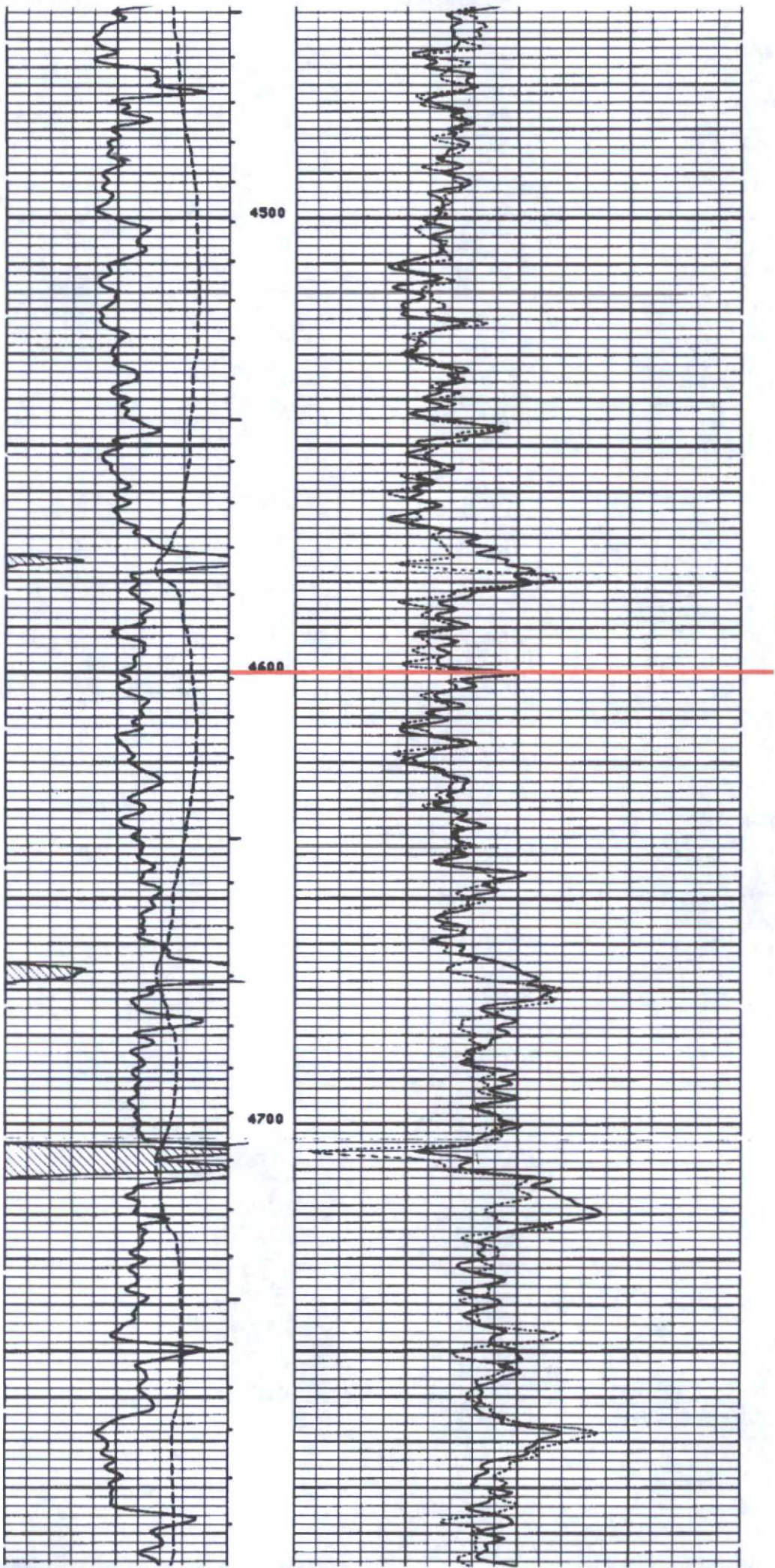
How far do we need  
play per distance

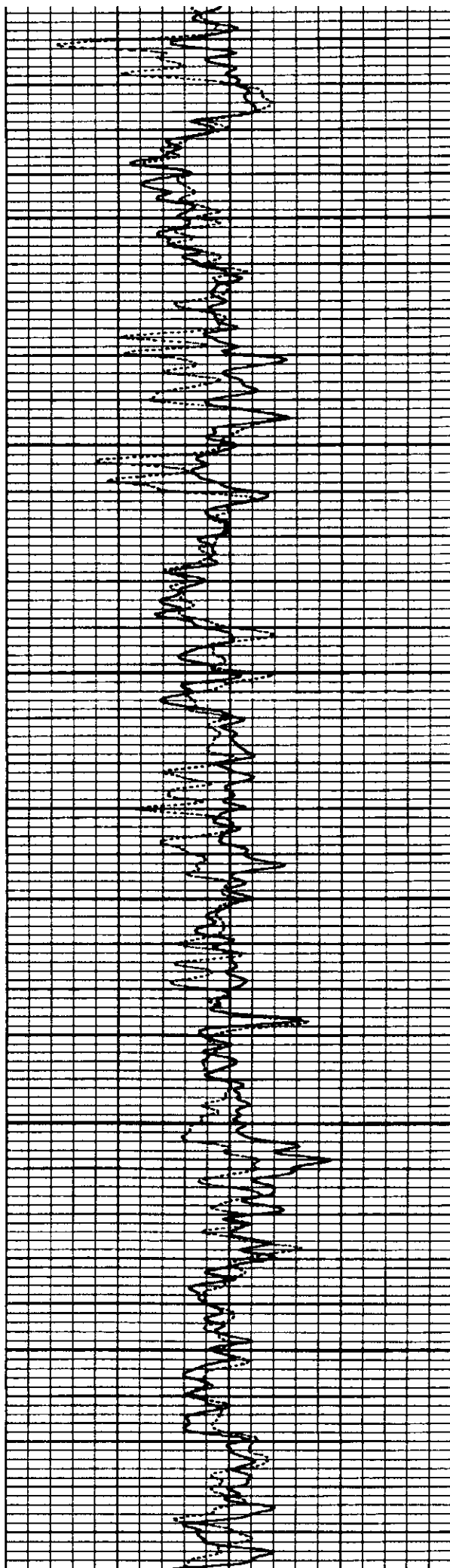
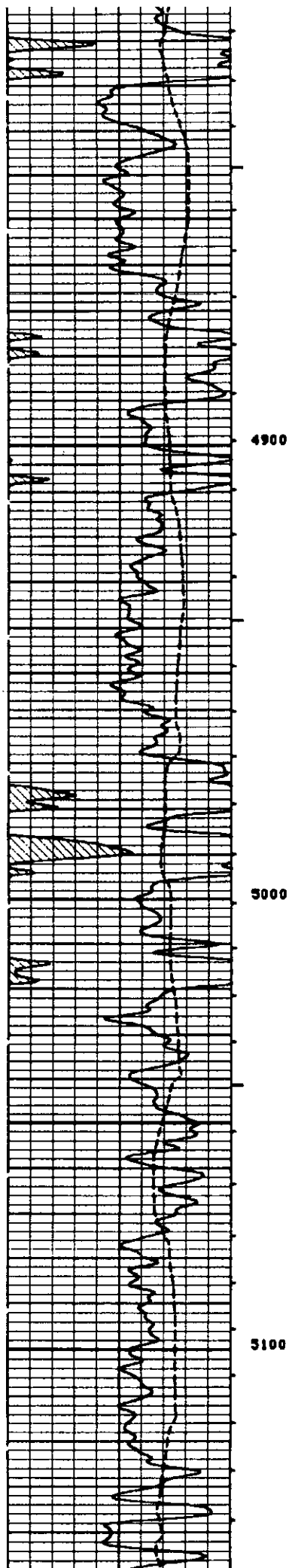


MAX TOP OF  
PROPOSED  
INTERVAL  
3800'











## C-108 ITEM VII – PROPOSED OPERATION

The Kirkes SWD Well No.1 will be operated as a private disposal facility for Guardian Operating Corp. and its operational partners' wells only. This well will help facilitate disposal of Bone Spring, Atoka and Morrow produced water from the company's existing wells and projects. *(NM Waids data are included in this application from Delaware, Bone Spring, Atoka and Morrow formations obtained in the general vicinity and indicate formation waters - chlorides and TDS are relatively compatible.)*

The system will be closed utilizing a tank battery facility located at the well site to accommodate all produced water. Pipelines will be laid from some current and future wells owned and operated by Guardian Operating and its partners.

Injection pressure will be 760 psi with rates limited only by that pressure. In the future, Guardian 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 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**

**Bone Spring**

**Atoka**

**Morrow**

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

**Delaware (x2)**

**Water Analyses follow this page.**

**C-108 Item VII.5 - Produced Water Data**  
**Guardian Operating Corp. – Kirkes No.1 SWD Project**

**SOURCE ZONE**

**BONE SPRING**

<b>API No</b>	3001529396	<b>Lab ID</b>	
		<b>Sample ID</b>	6747
<b>Well Name</b>	CORRAL DRAW AQH FEDERAL 001	<b>Sample No</b>	
<b>Location</b>	ULSTR 13 24 S 29 E	<b>Lat / Long</b>	32.21635 -103.94508
	2310 S 330 W	<b>County</b>	Eddy
<b>Operator (when sampled)</b>			
	<b>Field</b> LIVINGSTON RIDGE	<b>Unit</b>	L
<b>Sample Date</b>	12/27/2000	<b>Analysis Date</b>	
	<b>Sample Source</b>	<b>Depth (if known)</b>	
	<b>Water Typ</b>		
ph	5.59	alkalinity_as_caco3_mgL	
ph_temp_F		hardness_as_caco3_mgL	
specificgravity	1.183	hardness_mgL	
specificgravity_temp_F		resistivity_ohm_cm	
tds_mgL		resistivity_ohm_cm_temp	
tds_mgL_180C		conductivity	
chloride_mgL	164963	conductivity_temp_F	
sodium_mgL		carbonate_mgL	
calcium_mgL	25552	bicarbonate_mgL	73
iron_mgL	175	sulfate_mgL	190
barium_mgL	0	hydroxide_mgL	
magnesium_mgL	4471	h2s_mgL	0
potassium_mgL		co2_mgL	
strontium_mgL		o2_mgL	
manganese_mgL		anionremarks	
<b>Remarks</b>			

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



**C-108 Item VII.5 - Produced Water Data**  
**Guardian Operating Corp. – Kirkes No.1 SWD Project**

**SOURCE ZONE**

**ATOKA**

<b>API No</b>	3001500389	<b>Lab ID</b>	
<b>Well Name</b>	FED D 002	<b>Sample ID</b>	5359
		<b>Sample No</b>	
<b>Location</b>	ULSTR 12 24 S 26 E	<b>Lat / Long</b>	32.22646 -104.23957
	660 S 660 E	<b>County</b>	Eddy
<b>Operator (when sampled)</b>			
	Field BLACK RIVER	<b>Unit</b>	P
<b>Sample Date</b>		<b>Analysis Date</b>	
	<b>Sample Source</b> UNKNOWN	<b>Depth (if known)</b>	
	<b>Water Typ</b>		
ph		alkalinity_as_caco3_mgL	
ph_temp_F		hardness_as_caco3_mgL	
specificgravity		hardness_mgL	
specificgravity_temp_F		resistivity_ohm_cm	
tds_mgL	60623	resistivity_ohm_cm_temp	
tds_mgL_180C		conductivity	
chloride_mgL		conductivity_temp_F	
sodium_mgL		carbonate_mgL	
calcium_mgL		bicarbonate_mgL	
iron_mgL		sulfate_mgL	
barium_mgL		hydroxide_mgL	
magnesium_mgL		h2s_mgL	
potassium_mgL		co2_mgL	
strontium_mgL		o2_mgL	
manganese_mgL		anionremarks	
<b>Remarks</b>			

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



**C-108 Item VII.5 - Produced Water Data**  
**Guardian Operating Corp. – Kirkes No.1 SWD Project**

**SOURCE ZONE**

**MORROW**

		<b>Lab ID</b>	
<b>API No</b>	3001520301	<b>Sample ID</b>	5903
<b>Well Name</b>	ONEILL FEDERAL	<b>Sample No</b>	
	001		
<b>Location</b>	ULSTR 11 24 S 26 E	<b>Lat / Long</b>	32.23043 -104.26911
	1980 S 660 W	<b>County</b>	Eddy
<b>Operator (when sampled)</b>	MALLON OIL COMPANY		
	<b>Field</b>	CARLSBAD SOUTH	<b>Unit</b> L
<b>Sample Date</b>	8/27/1999	<b>Analysis Date</b>	8/31/1999
	<b>Sample Source</b>	<b>Depth (if known)</b>	
	<b>Water Typ</b>		
ph	5.7	alkalinity_as_caco3_mgL	
ph_temp_F		hardness_as_caco3_mgL	
specificgravity	1.08	hardness_mgL	
specificgravity_temp_F		resistivity_ohm_cm	
tds_mgL	123887	resistivity_ohm_cm_temp	
tds_mgL_180C		conductivity	
chloride_mgL	81000	conductivity_temp_F	
sodium_mgL	49189.7	carbonate_mgL	
calcium_mgL	2808	bicarbonate_mgL	368.28
iron_mgL	351	sulfate_mgL	81
barium_mgL		hydroxide_mgL	
magnesium_mgL		h2s_mgL	0
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 VII.5 - Produced Water Data**  
**Guardian Operating Corp. – Kirkes No.1 SWD Project**  
**DISPOSAL ZONE**

**DELAWARE**

<b>API No</b>	3001502494	<b>Lab ID</b>	
<b>Well Name</b>	MALAGA UNIT 001	<b>Sample ID</b>	5254
		<b>Sample No</b>	
<b>Location</b>	ULSTR 13 24 S 28 E	<b>Lat / Long</b>	32.22448 -104.03667
	330 N 1650 E	<b>County</b>	Eddy
<b>Operator (when sampled)</b>			
	Field MALAGA	<b>Unit B</b>	
<b>Sample Date</b>		<b>Analysis Date</b>	
	<b>Sample Source</b> UNKNOWN	<b>Depth (if known)</b>	
	<b>Water Typ</b>		
ph		alkalinity_as_caco3_mgL	
ph_temp_F		hardness_as_caco3_mgL	
specificgravity		hardness_mgL	
specificgravity_temp_F		resistivity_ohm_cm	
tds_mgL	148288	resistivity_ohm_cm_temp	
tds_mgL_180C		conductivity	
chloride_mgL	91050	conductivity_temp_F	
sodium_mgL		carbonate_mgL	
calcium_mgL		bicarbonate_mgL	182
iron_mgL		sulfate_mgL	400
barium_mgL		hydroxide_mgL	
magnesium_mgL		h2s_mgL	
potassium_mgL		co2_mgL	
strontium_mgL		o2_mgL	
manganese_mgL		anionremarks	
<b>Remarks</b>			

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



**C-108 Item VII.5 - Produced Water Data**  
**Guardian Operating Corp. – Kirkes No.1 SWD Project**

**DISPOSAL ZONE**

**DELAWARE**

<b>API No</b>	3001510872	<b>Lab ID</b>	
<b>Well Name</b>	GUY A REED	<b>Sample ID</b>	1754
	001	<b>Sample No</b>	
<b>Location</b>	ULSTR 24 24 S 28 E	<b>Lat / Long</b>	32.20544 -104.04631
	1980 N 660 W	<b>County</b>	Eddy
<b>Operator (when sampled)</b>			
	Field MALAGA	<b>Unit</b>	E
<b>Sample Date</b>	10/26/1966	<b>Analysis Date</b>	
	<b>Sample Source</b> WELLHEAD	<b>Depth (if known)</b>	
	<b>Water Typ</b>		
ph	6.1	alkalinity_as_caco3_mgL	
ph_temp_F		hardness_as_caco3_mgL	
specificgravity		hardness_mgL	
specificgravity_temp_F		resistivity_ohm_cm	
tds_mgL	130273	resistivity_ohm_cm_temp	
tds_mgL_180C		conductivity	
chloride_mgL	78600	conductivity_temp_F	
sodium_mgL		carbonate_mgL	
calcium_mgL		bicarbonate_mgL	14
iron_mgL		sulfate_mgL	605
barium_mgL		hydroxide_mgL	
magnesium_mgL		h2s_mgL	
potassium_mgL		co2_mgL	
strontium_mgL		o2_mgL	
manganese_mgL		anionremarks	
<b>Remarks</b>			

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



**Guardian Operating Corp.**  
**6824 Island Cir.**  
**Midland, Tx 79707**

**Guardian\_op@yahoo.com**  
**432-553-1849**

### **C-108 ITEM VIII – GEOLOGIC INFORMATION**

Disposal will be into the Cherry Canyon formation.

The Delaware is composed predominately of sandstones and shales. All the Delaware members are interbedded, poorly consolidated, light gray sandstones and shales with occasional dense dolomite horizons. The lateral transmissivities of the sandstone beds can be variable and often forms barriers to the movement of hydrocarbons while allowing down-gradient movement of water. The transmissivity variations are fundamentally due to the very-fine grained nature of the sands and the local percentage of silt and clay. The Delaware sandstone members are typically overlain and underlain by bounding shale, dolomite and/or silty shale horizons.

The Cherry Canyon in this area is generally 3500' to 4900'. There is no nearby commercial production. Log analysis in these intervals indicates low resistivity yielding high water saturations. A direct offset mud log has no oil shows in the Cherry Canyon.

} N of u  
log  
CHLS.

Fresh water in the area is generally available from the alluvial sands and the Carlsbad Basin. State Engineer's records show water wells in the area to have an average depth to water of 19-30 feet.

While the State Engineer's data indicates there are 14 water wells within one mile of the proposed SWD, only one was determined to be active. Its analysis is included as well as another outside the AOR. A foot search was conducted and local residents interviewed, and all wells represented by Office of the State Engineer's data could be located or were determined to be abandoned. The town of Malaga has its own water system and irrigation is achieved through use of river water run in a canal system. All of the OSE water wells are spotted and identified on appropriate maps with sampled wells being highlighted.



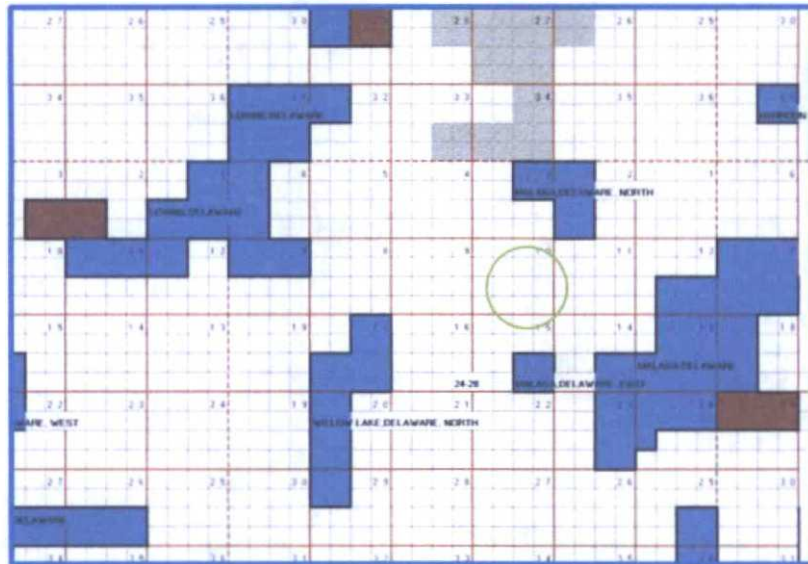
Randall Cate  
President



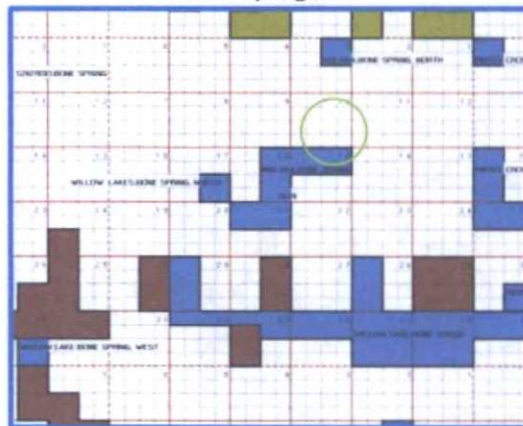
**C-108 – Item VIII – Geologic Data**  
**SUPPLEMENTAL INFORMATION – POOL DATA**

***In a two township area (23-28 & 24-28), there are 12 existing  
 SWDs in the Delaware including Bell and Cherry Canyons.***

**Delaware Pools in Region**

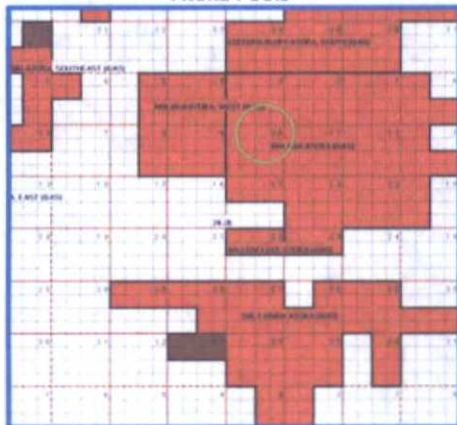


**Bone Spring Pools**

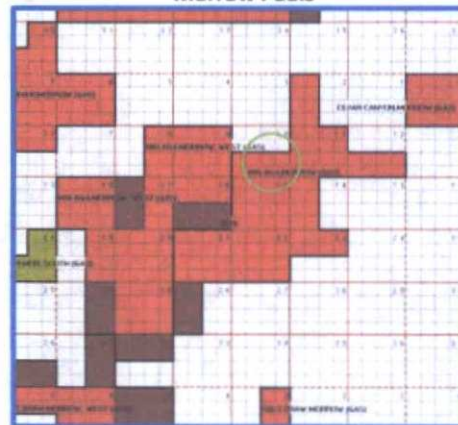


*Most Area Production  
 is from deeper Bone  
 Spring, Atoka or  
 Morrow Formations.*

**Atoka Pools**



**Morrow Pools**



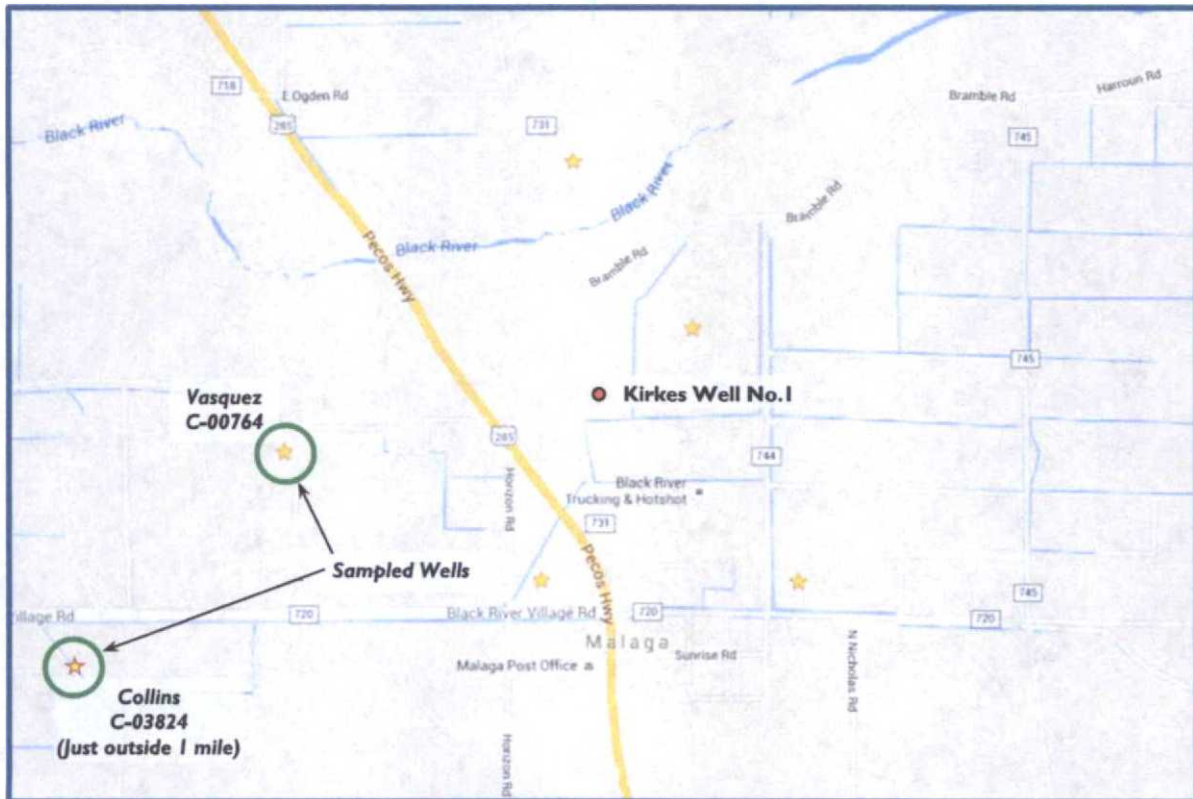
Pool maps courtesy of Paul Kautz

## C-108 - Item XI

### Water Wells within One Mile of Proposed SWD

#### Water Well Locator Map

*(Note: All 14 wells in the one-mile AOR are shown on the 2 mile AOR map. The group shown here was selected as ones to attempt to locate by foot search or by personal interviews.)*



Sample analyses for the 2 wells identified above are included and attached hereto.

## C-108 - Item XI - Water Well Analysis

2 wells sampled previously on 11/17/2015 and  
results were made available to Guardian Operating Corp.  
(Note: Collins well C-3824 is just outside 1 mile but was made available.)

PREPARED BY: DAVE ANDERSEN

MALAGA AREA (NOT ALL)  
WATER SOURCES  
GPS LOCATIONS

2/16/2016

GENERIC NAME / GPS	SAMPLE#	METHODCODE	ANALYTE	RESULT	UNITS	LABNAME
COLLINS WELL	C 3824	Bicarbonate 310.1	Alkalinity, Bicarbonate	210	mg/L	Cardinal Laboratories
32.224053° -104.090129°	C 3824	Calcium 200.2 by ICP	Calcium	804	mg/L	Green Analytical Laboratories
	C 3824	Chloride, SM4500Cl-B	Chloride	1770	mg/L	Cardinal Laboratories
	C 3824	Iron 200.2 by ICP	Iron	ND	mg/L	Green Analytical Laboratories
	C 3824	Magnesium 200.2 by ICP	Magnesium	382	mg/L	Green Analytical Laboratories
	C 3824	pH	pH	7.44	pH Units	Cardinal Laboratories
	C 3824	Phosphorus, Total, 365.3	Phosphorus, Total	ND	mg/L	Cardinal Laboratories
	C 3824	Sodium 200.2 by ICP	Sodium	1030	mg/L	Green Analytical Laboratories
	C 3824	Sulfate 375.4	Sulfate	2080	mg/L	Cardinal Laboratories
	C 3824	TDS 160.1	TDS	6880	mg/L	Cardinal Laboratories
VASQUEZ WELL	C 764	Bicarbonate 310.1	Alkalinity, Bicarbonate	229	mg/L	Cardinal Laboratories
32.230553° -104.083518°	C 764	Calcium 200.2 by ICP	Calcium	784	mg/L	Green Analytical Laboratories
	C 764	Chloride, SM4500Cl-B	Chloride	1600	mg/L	Cardinal Laboratories
	C 764	Iron 200.2 by ICP	Iron	ND	mg/L	Green Analytical Laboratories
	C 764	Magnesium 200.2 by ICP	Magnesium	197	mg/L	Green Analytical Laboratories
	C 764	pH	pH	7.49	pH Units	Cardinal Laboratories
	C 764	Phosphorus, Total, 365.3	Phosphorus, Total	ND	mg/L	Cardinal Laboratories
	C 764	Sodium 200.2 by ICP	Sodium	780	mg/L	Green Analytical Laboratories
	C 764	Sulfate 375.4	Sulfate	1330	mg/L	Cardinal Laboratories
	C 764	TDS 160.1	TDS	5200	mg/L	Cardinal Laboratories



# 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 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
C 00346	C	ED		2	2	15	24S	28E		587715	3565591*	90	32	58
C 00488	C	ED		2	1	2	15	24S	28E	587412	3565688*	64	8	56
C 00570	C	ED		1	1	10	24S	28E		586490	3567195*	100	28	72
C 00574		ED		2	4	4	11	24S	28E	589452	3566081*	200	20	180
C 00764		ED		3	1	3	10	24S	28E	586399	3566292*	118	25	93
C 00890		ED		3	3	4	10	24S	28E	587211	3565897*	50		
C 00962	C	ED		3	3	10	24S	28E		586505	3565992*	63	9	54
C 01082		ED		3	3	2	11	24S	28E	588832	3566693*	120		
C 01237	C	ED		1	1	2	10	24S	28E	587197	3567298*	123		
C 01442	C	ED		1	2	10	24S	28E		587298	3567199*	100		
C 02524 POD2	C	ED		2	2	2	15	24S	28E	587814	3565690*	90	11	79
C 03132	C	ED		1	2	4	15	24S	28E	587616	3564877*	90	19	71
C 03604 POD1	CUB	ED		2	4	3	10	24S	28E	526534	3565712	38	24	14

Average Depth to Water: **19 feet**

Minimum Depth: **8 feet**

Maximum Depth: **32 feet**

Record Count: 13

PLSS Search:

Section(s): 10, 11, 15

Township: 24S

Range: 28E

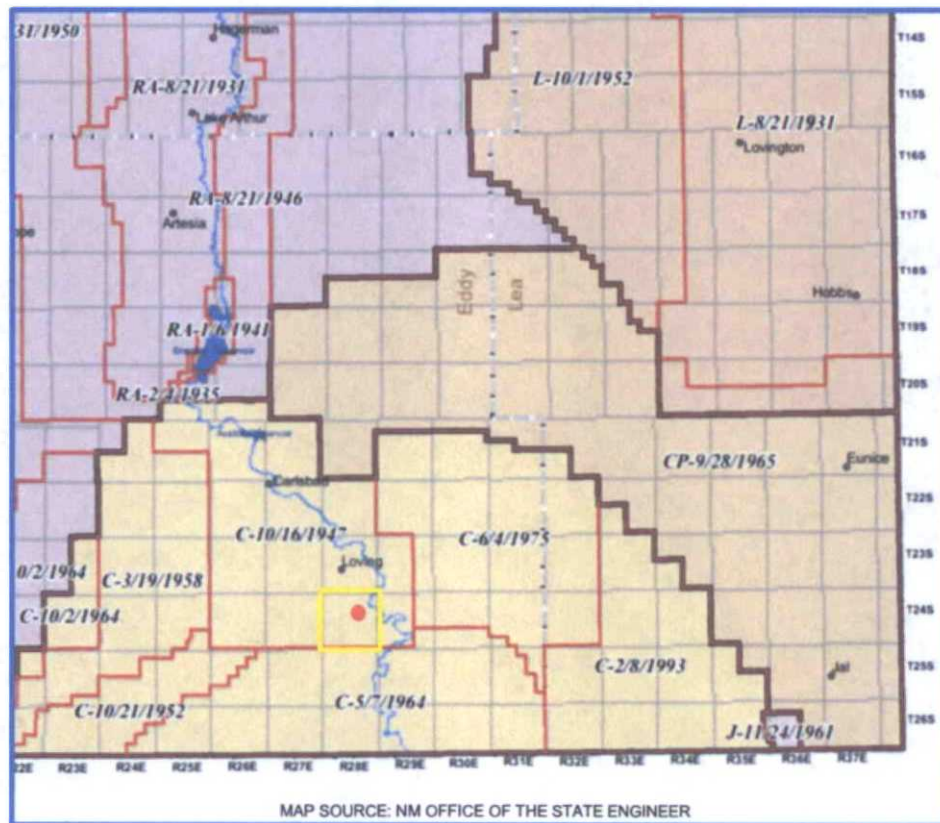
\*UTM location was derived from PLSS - see Help

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.



## C-108 - Item XI

### Groundwater Basins - Water Column / Depth to Groundwater



The subject well is located within the Carlsbad Basin.

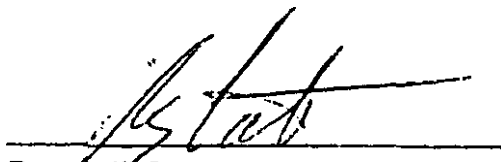
Fresh water in the area is generally available at shallow depths from alluvial sands near the Pecos and Black Rivers.

State Engineer's records show water wells in Sections 10,11 and 15-24S-28E with an average depth to water at 19 feet.

There are 14 water wells located within one mile of the proposed SWD. 2 of the wells were sampled and analyses are attached hereto. (1 FW well is located just outside 1 mile AOR but was readily available so it was included.)

## 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 'R. Cate', is written over a horizontal line.

Randal Cate  
Guardian Operating Corp.

Project: Kirkes No.1  
Reviewed 2/16/16

## C-108 - Item XIV - Proof of Notice - List of Affected Parties

**SURFACE OWNER**

Henry McDonald

P.O. Box 597

Loving, NM 88256

## OFFSET OPERATORS

**Matador Production Company**

5400 LBJ Freeway, Ste 1500

Dallas, TX 75240

Kaiser- Francis Oil Company

6733 South Yale Avenue

Tulsa, OK 74136

Concho Operating, LLC

600 W. Illinois Ave.

Midland, TX 79701

## SECTION 10 S2 UNMI

MIN OWNERS OF RECORD	ADDRESS	PLAT TRACT NUMBER
NANCY D. COLEMAN	2502 CONCORD, MIDLAND, TX 79701	4
HKN, Inc.	180 State Street, Ste. 200 Southlake, TX 76092	4
ROBERTO B. LUJAN	1907 MORA, CARLSBAD, NM 88220	5
MANUEL MEDRANO, 4547 E. EUGENIA AVE., FRESNO, CA 93725	4547 E. EUGENIA AVE., FRESNO, CA 93725	6
MALAGA WATER USERS COOPERATIVE ASSOCIATION	PO BOX 70, MALAGA, NM 88263-0070	7
FEATHERSTONE DEVELOPMENT COMPANY	P.O. BOX 429, ROSWELL, NM 88202	9
BNSF Railway Corporate Headquarters	2650 LOU MENK DRIVE, FORT WORTH, TX 76131	10
STEPHEN GLENN HOPKINS	108 Chipmunk, Cloudcroft, NM 88317	13
TONY MORALES	3200 Del Rey Blvd, Trlr 13,,Las Cruces, NM 88012	14
HUMBERTO MORALES	1111 N. EIGHTH, ARTESIA NM 88210	14
CHRIS ANAYA	PO Box 1301, Loving, NM 88256	14
HELEN and PETER KARNOSKI	1588 SANDINISTA DR., LAS VEGAS, NV 89123	16
VIRGINIA ARLEENE AUSTIN BAGGERMAN	1603 LASALLE DR., AMARILLO, TX 79106	16

GAYLE HENSLEY	2022 Highway 144, Meridian TX 76665 PH. 254.435.2452	16
KAREN ANN AUSTIN CASE	Address Unknown	16
BETTY MILLER	6950 540 Loop, Trlr A1, Logan, NM 88426	16
SHAWNA AND MIKE HUALMILTON, FL	5704 San Gabriel Dr, Pensacola, FL 32504	16
KELLY VAN DUSEN	Address Unknown	16
DEBORAH MILLER	Address Unknown	16
SANDRA PAULEY	address Unknown	16
KEVIN MILLER	6950 540 Loop, Trlr A1, Logan, NM 88426	16
HARRIET WESTMORELAND	Address Unknown	16
EDNA GOLDEN	Address Unknown	16
BILL DICKINS	Address Unknown	16
GERALDINE DICKINS	3410 BRAGG DR., WILMINGTON, NC 28409	16
CHERYL STUMPPF	Address Unknown	16
LAURALEA BUCHWALD STEPHENS,	6409 Cromwell Dr Amarillo, TX, 79109,	16
ROBERT JAMES STEPHENS	Address Unknown	16
CYNTHIA GAYLE STEPHENS	address Unknown	16
MICHAEL DAVID STEPHENS	Address Unknown	16
WILBUR MOTLEY.	4718 CINDY PLACE, MIDLAND, TX 79707	16
LEE MOTLEY UX PAULA, ODESSA, TX	2411 Oakwood Dr, Odessa, TX 79761	16
JEFF MOTLEY UX JENNIFER	307 E Pecos St, Uvalde, TX 78801	16
MATTHEW MOTLEY UX MICHELLE, MIDLAND, TX	4604 Spruce Dr, Apt 1107, Arlington, TX 76018	16
LISA MOTLEY, MIDLAND, TX	4700 Boulder Dr, Apt 1105, Midland, TX 79707	16
JERRY AND ARLENÉ HOLLOWAY	7 Nw Bent Tree Cir, Lawton, OK 73505	16
KENNETH AND SUE ANN HOLLOWAY	23998 State Highway 5, Chattanooga, OK 73528	16
DAVID AND JANICE HOLLOWAY	24040 State Highway 5, Chattanooga, OK 73528	16



KATIE MILLER	2501 CORNELL DR., ROSWELL, NM 88203	16
MONA M. MILLER	5313 Valerie St., Bellaire, TX 77401	16
Charles Ray Smith,Jr and Dashea Lynn Beesing	6500 N.W. Grand Blvd 165, Oklahoma City, OK 73116 .	17
PEGGY VOREL, 19545	19545 NE 164th St , Luther, OK 73054	17
PHYLLIS JEAN HUMMEL PEAL	C/O MICHAEL KARSEK 8 ARMITAG DR., ST PETERS, MO 63370	18
JOAN L. ANTHONY	2632 BENT TREE DR., HURST, TX 76054	19
JUANITA NAVARRETE	4411 EAST DERRICK ROAD, CARLSBAD, NM 88220	20
Ms. Karen Prnka	c/o Rodrigo Garcia 2603 Covey Lane Pearland, TX 77584	21
BILL CHAPMAN	P.O. BOX 158, WILTON IA 52778.	22
ANTONIO CARRASCO	953 S Jamaica St, Aurora, CO 80012	23
SUSEVIA C. ORTEGA	Address Unknown	23
ELIAZAR C. GUTIERREZ	2101 Camp Indianhead Rd, Land O Lakes, FL 34639	23
CRUZ LOPEZ	2009 Platina Rd Se, Rio Rancho, NM 87124	23
MARIA ARMENDAREZ	1303 Dixie Ave, Big Spring, TX 79720	23
ROSE GRAHAM AGENT & AINF FOR JOSE MANUEL ESCAMILLA	2741 ASPEN LOOP, SANTA FE, NM. PH. 505.577.3354	24
BECKY ESCAMILLA ROBERTS, AGENT & AINF FOR JOSE MANUEL ESCAMILLA	64 Yakima Road, Dexter, NM 88230. ph. 575.347.2625	24
ESTATE OF IRENE BROWN ESTATE BY PHYLLIS P. GUITIERREZ-BROWN, EXECUTRIX.	14415 87TH AVE., NE, KIRKLAND, WA 98034	25
MANUEL FLOREZ	P.O. BOX 96, Malaga, NM 88263	26
LUPE AND MARGARITA RAMIREZ	P.O. BOX 105, MALAGA, NM 88263	26
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XPLOR RESOURCES LLC	1104 N. SHORE, CARLSBAD, NM 88220	35
FEATHERSTONE DEVELOPMENT CORPORATION	P.O. BOX 429, ROSWELL, NM 88202	35
PROPSECTOR LLC	P.O. BOX 429, ROSWELL, NM 88202	35
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## SEC 15 UNMI

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February 17, 2016

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

To Whom It May Concern:

Guardian Operating, LLC, Midland, Texas, has made application to the New Mexico Oil Conservation Division to reconfigure and complete for salt water disposal the Kirkes Well No.1. The proposed SWD will be for private use. As indicated in the notice below, the well is located in Section 10, Township 24 South, Range 28 East in Eddy County, New Mexico.

The disposal interval will be through perforations between a maximum interval of 3800 feet to 4600 feet in the Cherry Canyon formation.

Following is the legal notice published in the Artesia Daily Press, Artesia, New Mexico on or about February 18, 2016.

**LEGAL NOTICE**

Guardian Operating, LLC, 203 W Wall St Midland, TX 79701, is filing Form C-108 (Application for Authority to Inject) with the New Mexico Oil Conservation Division for administrative approval to permit and configure for salt water disposal its Kirkes Well No.1. The well is located 2080' FSL & 1173' FEL in Section 10, Township 24 South, Range 28 East in Eddy County, New Mexico. Produced water from area production will be privately disposed into the Cherry Canyon formation through selectively perforated intervals between a maximum applied for top of 3800 feet to maximum depth of 4600 feet based on log analysis. The maximum injection pressure will be 760 psi surface (0.2 psi/ft gradient) and 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 lessee or operator.***

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, and a copy will be expedited to you and may also be sent via email if preferred. For technical questions you may contact Randall Cate with Guardian Operating Corp. at 432-553-1849, guardianopcorp@yahoo.com.

Thank you for your attention in this matter.

Best regards,

A handwritten signature in black ink, appearing to read "Ben Stone", written in a cursive style.

Ben Stone, SOS Consulting, LLC  
Agent for Guardian Operating, LLC

Cc: Application File

**C-108 - Item XIV**

**Proof of Notice**

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Sultana, CA 93666

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Malaga, NM 88263

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Midland, TX 79705

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Sent To: Mary Jane Ruiz  
c/o John Bill Ruiz  
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Sent To: Raul Ruiz  
108 N. 9th  
Carlsbad, NM 88220

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Total Postage & Fees	\$6.74

Sent To: William D. Spaulding  
Revocable Trust, William D. Spaulding, Trustee  
17736 Tulip Lane  
Tinley Park, IL 60477

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Sent To: Socorro Olivas

Street, Apt. No., or PO Box No.: Epifania Z Olivas, Joint Tenants

City, State, ZIP+4: P.O. Box 72 Malaga, NM 88263

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Sent To: Carolina Rodriguez

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Sent To: Phyllis Jean Hummel Peal

Street, Apt. No., or PO Box No.: c/o Michael Karsek

City, State, ZIP+4: 8 Armitag Dr. Peters, MO 63370

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Sent To: Edward Razo

Street, Apt. No., or PO Box No.: 1309 Normandy St.

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Restricted Delivery Fee (Endorsement Required) **N/A**

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Sent To: Karen Prnka

Street, Apt. No., or PO Box No.: c/o Rodrigo Garcia

City, State, ZIP+4: 2603 Covey Lane Pearland, TX 77584

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Return Receipt Fee (Endorsement Required) **\$0.00**

Restricted Delivery Fee (Endorsement Required) **N/A**

Total Postage & Fees **\$6.74**

Sent To: Katie Miller

Street, Apt. No., or PO Box No.: 2501 Cornell Dr.

City, State, ZIP+4: Roswell, NM 88203

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Restricted Delivery Fee (Endorsement Required)		N/A
		\$0.49
Total Postage & Fees	\$	\$6.74



Sent To Jerry and Arlene Holloway  
 6 NW Bent Tree Cir  
 Street, Apt. No., or PO Box No. Lawton, OK 73505  
 City, State, ZIP+4

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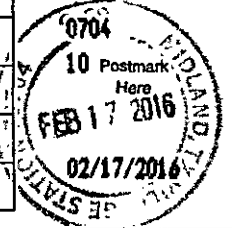
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Sent To Helen & Peter Karnoski  
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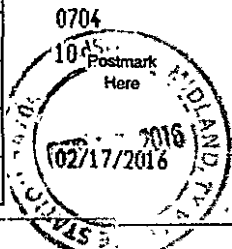
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Sent To Charles A Miller, Jr.  
 2501 Cornell Dr.  
 Street, Apt. No., or PO Box No. Roswell, NM 88203  
 City, State, ZIP+4

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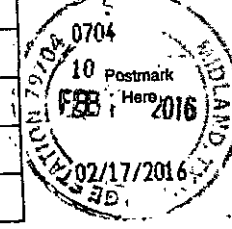
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		\$0.49
Total Postage & Fees	\$	\$6.74



Sent To Stephen Glenn Hopkins  
 108 Chipmunk  
 Street, Apt. No., or PO Box No. Cloudcroft, NM 88317  
 City, State, ZIP+4

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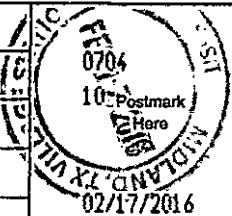
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		\$0.49
Total Postage & Fees	\$	\$6.74



Sent To Lisa Motley  
 4700 Boulder Apt 1105  
 Street, Apt. No., or PO Box No. Midland, TX 79707  
 City, State, ZIP+4

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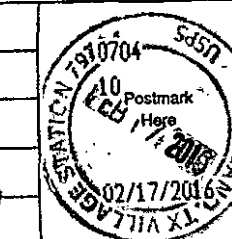
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		\$0.49
Total Postage & Fees	\$	\$6.74



Sent To Wilbur Motley  
 4718 Cindy Place  
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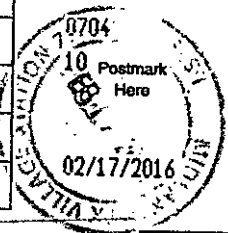
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	\$0.49
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Sent To: Jeff Motley  
 307 E. Pecos St  
 Uvalde, TX 78801

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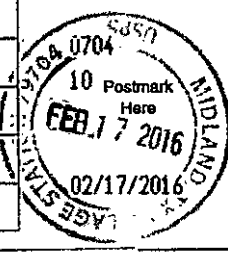
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MIDLAND, TX 79710 **OFFICIAL USE**

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Restricted Delivery Fee (Endorsement Required)	N/A
	\$0.49
<b>Total Postage &amp; Fees</b>	<b>\$6.74</b>

Sent To: Kevin K Leonard  
 Trsute of the Kevin K. Leonard  
 Child's Trust  
 P.O. Box 50688  
 Midland, TX 79710

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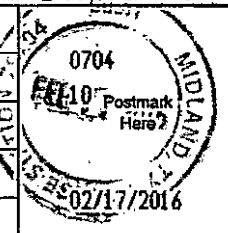
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<b>Total Postage &amp; Fees</b>	<b>\$6.74</b>

Sent To: Michael Kyle Leonard  
 Trustee off the Michael Kyle Leonard  
 Child's Trust  
 P.O. Box 2625  
 Eagle Pass, TX 78853

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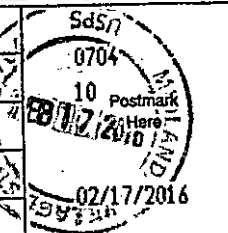
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Sent To: Flora Kemp  
 920 Adrian Street  
 Lubbock, TX 79403

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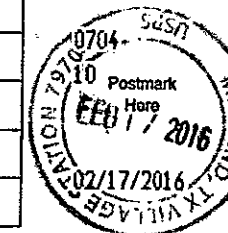
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Restricted Delivery Fee (Endorsement Required)	N/A
	\$0.49
<b>Total Postage &amp; Fees</b>	<b>\$6.74</b>

Sent To: Ernest Linck, SSP  
 c/o Russell Linck  
 2732 Big Spring Ranch Rd  
 Delta, CO 81416

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7011 3500 0002 4936 0751

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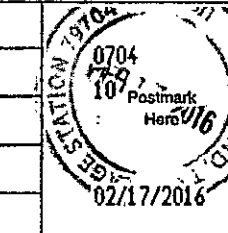
For delivery information visit our website at [www.usps.com](http://www.usps.com)

DRIPPING SPRINGS, TX 78620 **OFFICIAL USE**

Postage	\$ 3.45
Certified Fee	\$2.80
Return Receipt Fee (Endorsement Required)	\$0.00
Restricted Delivery Fee (Endorsement Required)	N/A
	\$0.49
<b>Total Postage &amp; Fees</b>	<b>\$6.74</b>

Sent To: Shannon C Leonard  
 Trustee of the Shannon C. Leonard  
 Child's Trust  
 1018 Sunset Canyn N  
 Dripping Springs, TX 78620

PS Form 3800, August 2006 See Reverse for Instructions

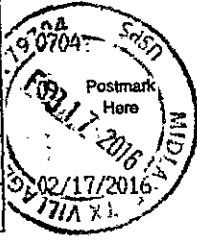


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**ARTESIA NM 88211 OFFICIAL USE**

Postage	\$ 3.45
Certified Fee	\$2.80
Return Receipt Fee (Endorsement Required)	\$0.00
Restricted Delivery Fee (Endorsement Required)	N/A
	N/A
	\$0.49
<b>Total Postage &amp; Fees</b>	<b>\$ 6.74</b>



Sent To Elizabeth Ann Wilson  
 P.O. Box 1434  
 Street, Apt. No.; or PO Box No. Artesia, NM 88211  
 City, State, ZIP+4

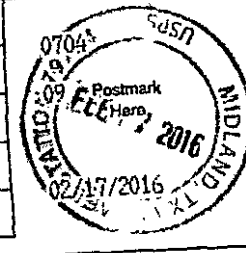
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**LUBBOCK TX 79403 OFFICIAL USE**

Postage	\$ 3.45
Certified Fee	\$2.80
Return Receipt Fee (Endorsement Required)	\$0.00
Restricted Delivery Fee (Endorsement Required)	N/A
	N/A
	\$0.49
<b>Total Postage &amp; Fees</b>	<b>\$ 6.74</b>



Sent To Connie Lara  
 920 Adrian Street  
 Street, Apt. No.; or PO Box No. Lubbock, TX 79403  
 City, State, ZIP+4

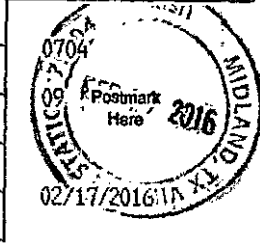
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**FRESNO CA 93725 OFFICIAL USE**

Postage	\$ 3.45
Certified Fee	\$2.80
Return Receipt Fee (Endorsement Required)	\$0.00
Restricted Delivery Fee (Endorsement Required)	N/A
	N/A
	\$0.49
<b>Total Postage &amp; Fees</b>	<b>\$ 6.74</b>



Sent To Manuel Medrano  
 4547 E. Eugenia Ave.  
 Street, Apt. No.; or PO Box No. Fresno, CA 93725  
 City, State, ZIP+4

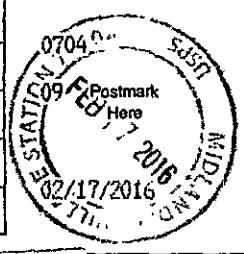
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For delivery information visit our website at [www.usps.com](http://www.usps.com)

**VAN HORN TX 79855 OFFICIAL USE**

Postage	\$ 3.45
Certified Fee	\$2.80
Return Receipt Fee (Endorsement Required)	\$0.00
Restricted Delivery Fee (Endorsement Required)	N/A
	N/A
	\$0.49
<b>Total Postage &amp; Fees</b>	<b>\$ 6.74</b>



Sent To Hazel Walker  
 c/o Dennis Walker  
 Street, Apt. No.; or PO Box No. P.O. Box 1315  
 City, State, ZIP+4 Van Horn, TX 79855

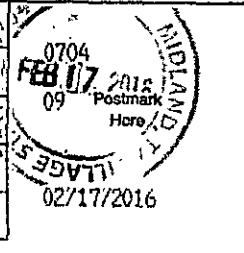
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For delivery information visit our website at [www.usps.com](http://www.usps.com)

**RIO RANCHO NM 87124 OFFICIAL USE**

Postage	\$ 3.45
Certified Fee	\$2.80
Return Receipt Fee (Endorsement Required)	\$0.00
Restricted Delivery Fee (Endorsement Required)	N/A
	N/A
	\$0.49
<b>Total Postage &amp; Fees</b>	<b>\$ 6.74</b>



Sent To Cruz Lopez  
 2009 Platina Rd SE  
 Street, Apt. No.; or PO Box No. Rio Rancho, NM 87124  
 City, State, ZIP+4

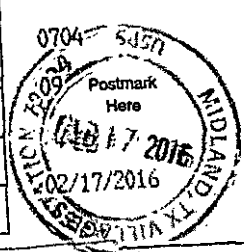
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**SAN ANTONIO TX 78270 OFFICIAL USE**

Postage	\$ 3.45
Certified Fee	\$2.80
Return Receipt Fee (Endorsement Required)	\$0.00
Restricted Delivery Fee (Endorsement Required)	N/A
	N/A
	\$0.49
<b>Total Postage &amp; Fees</b>	<b>\$ 6.74</b>



Sent To Patrick Leonard  
 Trustee of the Patrick Leonard  
 Street, Apt. No.; or PO Box No. Child's Trust  
 P.O. Box 700633  
 City, State, ZIP+4 San Antonio, TX 78270

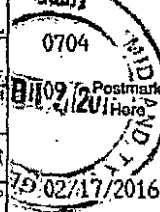
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HAYWARD, CA 94545 **OFFICIAL USE**

Postage	\$	\$3.45
Certified Fee		\$2.80
Return Receipt Fee (Endorsement Required)		\$0.00
Restricted Delivery Fee (Endorsement Required)		N/A
		N/A
Total Postage & Fees	\$	\$6.74



Sent To  
Eloisa Morales  
27497 Lemontree Court  
or PO Box No. Hayward, CA 94545  
City, State, ZIP+4

Court  
15

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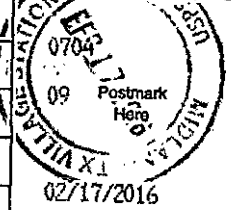
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ARLINGTON, TX 76018 **OFFICIAL USE**

Postage	\$	\$3.45
Certified Fee		\$2.80
Return Receipt Fee (Endorsement Required)		\$0.00
Restricted Delivery Fee (Endorsement Required)		N/A
		N/A
Total Postage & Fees	\$	\$6.74



Sent To  
Matthew & Michelle Motley  
4604 Spruce Dr  
Apt 1107  
or PO Box No. Arlington, TX 76018  
City, State, ZIP+4

PS Form 3800, August 2006

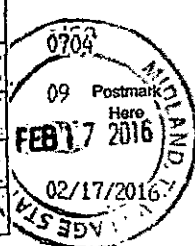
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ODESSA, TX 79761 **OFFICIAL USE**

Postage	\$	\$3.45
Certified Fee		\$2.80
Return Receipt Fee (Endorsement Required)		\$0.00
Restricted Delivery Fee (Endorsement Required)		N/A
		N/A
Total Postage & Fees	\$	\$6.74



Sent To  
Lee & Paula Motley  
2411 Oakwood Dr.  
or PO Box No. Odessa, TX 79761  
City, State, ZIP+4

PS Form 3800, August 2006

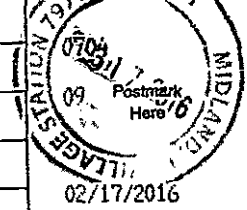
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CARLSBAD, NM 88220 **OFFICIAL USE**

Postage	\$	\$3.45
Certified Fee		\$2.80
Return Receipt Fee (Endorsement Required)		\$0.00
Restricted Delivery Fee (Endorsement Required)		N/A
		N/A
Total Postage & Fees	\$	\$6.74



Sent To  
Juanita Navarrete  
4411 East Derrick Road  
or PO Box No. Carlsbad, NM 88220  
City, State, ZIP+4

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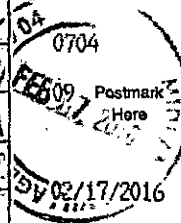
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LAS CRUCES, NM 88012 **OFFICIAL USE**

Postage	\$	\$3.45
Certified Fee		\$2.80
Return Receipt Fee (Endorsement Required)		\$0.00
Restricted Delivery Fee (Endorsement Required)		N/A
		N/A
Total Postage & Fees	\$	\$6.74



Sent To  
Tony Morales  
3200 Del Rey Blvd, Trlr 13  
or PO Box No. Las Cruces, NM 88012  
City, State, ZIP+4

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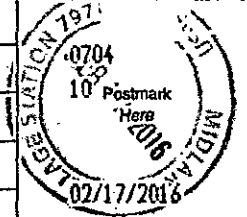
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MIDLAND, TX 79701 **OFFICIAL USE**

Postage	\$	\$3.45
Certified Fee		\$2.80
Return Receipt Fee (Endorsement Required)		\$0.00
Restricted Delivery Fee (Endorsement Required)		N/A
		N/A
Total Postage & Fees	\$	\$6.74



Sent To  
Nancy D. Coleman  
2502 Concord  
or PO Box No. Midland, TX 79701  
City, State, ZIP+4

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**OFFICIAL USE**

Postage	\$ 3.45
Certified Fee	\$2.80
Return Receipt Fee (Endorsement Required)	\$0.00
Restricted Delivery Fee (Endorsement Required)	N/A
	\$0.49
<b>Total Postage &amp; Fees</b>	<b>\$6.74</b>

**Postmark Here**

7011 3500 0002 4936 0485

Sent To: Antonio Carrasco  
 953 S Jamaica St  
 Aurora, CO 80012

Street, Apt. No.,  
 or PO Box No.

City, State, ZIP+4

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<b>CARLSBAD NM 88220</b>	
<b>OFFICIAL USE</b>	
Postage	\$ 33.45
Certified Fee	\$2.80
Return Receipt Fee (Endorsement Required)	\$0.00
Restricted Delivery Fee (Endorsement Required)	N/A
	\$0.49
Total Postage & Fees	\$ 36.74
Sent To <b>Eddie Carrasco</b> <b>1312 Chico St</b> <b>Carlsbad, NM 88220</b>	
Street, Apt. No., or PO Box No.	
City, State, ZIP+4	

0704  
 10  
 Postmark  
 Hero  
 02/17/2016  
 MIDLAND  
 X  
 VILLAGE STATION

PS Form 3800, August 2006

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<b>U.S. Postal Service™</b> <b>CERTIFIED MAIL™ RECEIPT</b> <i>(Domestic Mail Only; No Insurance Coverage Provided)</i>	
*For delivery information visit our website at <a href="http://www.usps.com">www.usps.com</a>	
<b>SANTA FE NM: 87507-9142</b>	<b>OFFICIAL USE</b>
Postage	\$ 43.45
Certified Fee	12.80
Return Receipt Fee (Endorsement Required)	10.00
Restricted Delivery Fee (Endorsement Required)	N/A
	10.49
<b>Total Postage &amp; Fees</b>	<b>\$ 76.74</b>
Sent To: Rose Graham - Agent for Jose Manuel Escamilla Street, Apt. No.; or PO Box No.: 2741 Aspen Loop City, State, ZIP+4: Santa Fe, NM 87507	

<b>U.S. Postal Service™</b> <b>CERTIFIED MAIL™-RECEIPT</b> <i>(Domestic Mail Only; No Insurance Coverage Provided)</i>	
For delivery information visit our website at <a href="http://www.usps.com">www.usps.com</a> <b>OFFICIAL USE</b>	
Postage	\$ 3.45
Certified Fee	\$2.80
Return Receipt Fee (Endorsement Required)	\$0.00
Restricted Delivery Fee (Endorsement Required)	N/A
	\$0.49
<b>Total Postage &amp; Fees</b>	<b>\$6.74</b>

0704  
 Feb 12 2016  
 Postmark  
 Here  
 02/17/2016  
 MIDLAND TX  
 POSTAGE STATION 79701 PL

Sent To Street, Apt. No., or PO Box No. City, State, ZIP+4	Jose Manuel Escamilla 64 Yakima Rd Dexter, NM 88230
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For delivery information visit our website at <a href="http://www.usps.com">www.usps.com</a>	
<b>WILMINGTON NC 28409</b>	
<b>OFFICIAL USE</b>	
Postage	\$ 33.45
Certified Fee	\$ 2.80
Return Receipt Fee (Endorsement Required)	\$ 0.00
Restricted Delivery Fee (Endorsement Required)	N/A
	\$ 0.49
Total Postage & Fees	\$ 36.74



Sent To	John Shuford Dickens, III
Street, Apt. No., or PO Box No.	3410 Bragg Dr.
City, State, ZIP+4	Wilmington, NC 28409

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For delivery information visit our website at <a href="http://www.usps.com">www.usps.com</a>	
SALYERSVILLE KY 41465	
<b>OFFICIAL USE</b>	
Postage	\$ 13.45
Certified Fee	\$2.80
Return Receipt Fee (Endorsement Required)	\$0.00
Restricted Delivery Fee (Endorsement Required)	N/A
	\$0.49
Total Postage & Fees	\$ 16.74

0704  
 5d5N  
 Postmark  
 Here  
**FEB 17 2016**  
 02/17/2016  
 MIDLAND TX  
 AG STATION 2910

Sent To Street, Apt. No.; or PO Box No. City, State, ZIP+4	Harold Don Drew Wayne Collingsworth HC 82 Box 1285 Salyersville, KY 41465
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Postage	\$	\$3.45
Certified Fee		\$2.80
Return Receipt Fee (Endorsement Required)		\$0.00
Restricted Delivery Fee (Endorsement Required)		N/A
		\$0.49
<b>Total Postage &amp; Fees</b>	<b>\$</b>	<b>\$6.74</b>



Sent To Jeran L. Fraser  
 6328 Caminito Del Cervato  
 Street, Apt. No.,  
 or PO Box No. San Diego, CA 92111  
 City, State, ZIP+4

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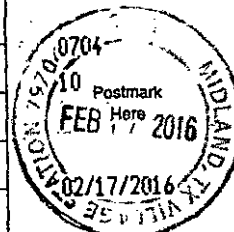
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**OFFICIAL USE**

Postage	\$	\$3.45
Certified Fee		\$2.80
Return Receipt Fee (Endorsement Required)		\$0.00
Restricted Delivery Fee (Endorsement Required)		N/A
		\$0.49
<b>Total Postage &amp; Fees</b>	<b>\$</b>	<b>\$6.74</b>



Sent To Arnulfo and Sara Gonzales  
 P.O. Box 68  
 Street, Apt. No.,  
 or PO Box No. Malaga, NM 88263  
 City, State, ZIP+4

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**OFFICIAL USE**

Postage	\$	\$3.45
Certified Fee		\$2.80
Return Receipt Fee (Endorsement Required)		\$0.00
Restricted Delivery Fee (Endorsement Required)		N/A
		\$0.49
<b>Total Postage &amp; Fees</b>	<b>\$</b>	<b>\$6.74</b>



Sent To Charles Ray Smith  
 Dashea Lynn Beasing  
 Street, Apt. No.,  
 or PO Box No. 6500 N.W. Grand Blvd 165  
 City, State, ZIP+4 Oklahoma City, OK 73116

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Postage	\$	\$3.45
Certified Fee		\$2.80
Return Receipt Fee (Endorsement Required)		\$0.00
Restricted Delivery Fee (Endorsement Required)		N/A
		\$0.49
<b>Total Postage &amp; Fees</b>	<b>\$</b>	<b>\$6.74</b>



Sent To Harvey C. Ruiz, SS  
 P.O. Box 111  
 Street, Apt. No.,  
 or PO Box No. Malaga, NM 88263  
 City, State, ZIP+4

PS Form 3800, August 2006

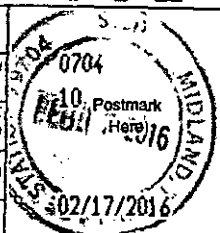
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Postage	\$	\$3.45
Certified Fee		\$2.80
Return Receipt Fee (Endorsement Required)		\$0.00
Restricted Delivery Fee (Endorsement Required)		N/A
		\$0.49
<b>Total Postage &amp; Fees</b>	<b>\$</b>	<b>\$6.74</b>



Sent To Geraldine Dickens  
 3410 Bragg Dr.  
 Street, Apt. No.,  
 or PO Box No. Wilmington, NC 28409  
 City, State, ZIP+4

PS Form 3800, August 2006

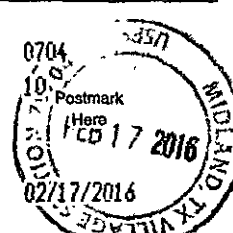
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**OFFICIAL USE**

Postage	\$	\$3.45
Certified Fee		\$2.80
Return Receipt Fee (Endorsement Required)		\$0.00
Restricted Delivery Fee (Endorsement Required)		N/A
		\$0.49
<b>Total Postage &amp; Fees</b>	<b>\$</b>	<b>\$6.74</b>



Sent To Eliazar Gutierrez  
 2101 Camp Indianhead rd  
 Street, Apt. No.,  
 or PO Box No. Land O Lakes, FL 34639  
 City, State, ZIP+4

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See Reverse for Instructions

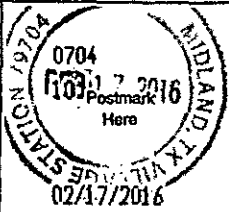


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ARTESIA, NM 88210

Postage	\$	\$3.45
Certified Fee		\$2.80
Return Receipt Fee (Endorsement Required)		\$0.00
Restricted Delivery Fee (Endorsement Required)		N/A
		\$0.49
<b>Total Postage &amp; Fees</b>	<b>\$</b>	<b>\$6.74</b>



Sent To: Humberto Morales  
 1111 N. Eighth  
 Street, Apt. No.,  
 or PO Box No. Artesia, NM 88210  
 City, State, ZIP+4

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PENSACOLA, FL 32504

Postage	\$	\$3.45
Certified Fee		\$2.80
Return Receipt Fee (Endorsement Required)		\$0.00
Restricted Delivery Fee (Endorsement Required)		N/A
		\$0.49
<b>Total Postage &amp; Fees</b>	<b>\$</b>	<b>\$6.74</b>



Sent To: Shawna & Mike Hualmilton  
 5704 San Gabriel Dr  
 Street, Apt. No.,  
 or PO Box No. Pensacola, FL 32504  
 City, State, ZIP+4

PS Form 3800, August 2006

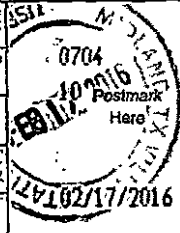
See Reverse for Instructions

**U.S. Postal Service™**  
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For delivery information visit our website at [www.usps.com](http://www.usps.com)

MALAGA, NM 88263

Postage	\$	\$3.45
Certified Fee		\$2.80
Return Receipt Fee (Endorsement Required)		\$0.00
Restricted Delivery Fee (Endorsement Required)		N/A
		\$0.49
<b>Total Postage &amp; Fees</b>	<b>\$</b>	<b>\$6.74</b>



Sent To: Malaga Water Users Cooperative  
 Association  
 Street, Apt. No.,  
 or PO Box No. P.O. Box 70  
 City, State, ZIP+4 Malaga, NM 88263-0070

PS Form 3800, August 2006

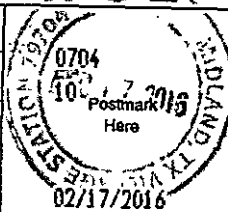
See Reverse for Instructions

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DEXTER, NM 88230

Postage	\$	\$3.45
Certified Fee		\$2.80
Return Receipt Fee (Endorsement Required)		\$0.00
Restricted Delivery Fee (Endorsement Required)		N/A
		\$0.49
<b>Total Postage &amp; Fees</b>	<b>\$</b>	<b>\$6.74</b>



Sent To: Becky Escamilla Roberts  
 agent for Jose Manuel Escamilla  
 Street, Apt. No.,  
 or PO Box No. 64 Yakima Road  
 City, State, ZIP+4 Dexter, NM 88230

PS Form 3800, August 2006

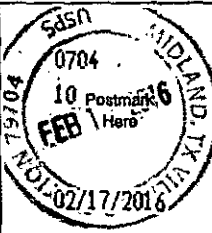
See Reverse for Instructions

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BELLAIRE, TX 77401

Postage	\$	\$3.45
Certified Fee		\$2.80
Return Receipt Fee (Endorsement Required)		\$0.00
Restricted Delivery Fee (Endorsement Required)		N/A
		\$0.49
<b>Total Postage &amp; Fees</b>	<b>\$</b>	<b>\$6.74</b>



Sent To: Mona M. Miller  
 5313 Valerie St.  
 Street, Apt. No.,  
 or PO Box No. Bellaire, TX 77401  
 City, State, ZIP+4

PS Form 3800, August 2006

See Reverse for Instructions

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LOVING, NM 88256

Postage	\$	\$3.45
Certified Fee		\$2.80
Return Receipt Fee (Endorsement Required)		\$0.00
Restricted Delivery Fee (Endorsement Required)		N/A
		\$0.49
<b>Total Postage &amp; Fees</b>	<b>\$</b>	<b>\$6.74</b>



Sent To: Roy L and Carrie C Palomino  
 P.O. Box 11  
 Street, Apt. No.,  
 or PO Box No. Loving, NM 88256  
 City, State, ZIP+4

PS Form 3800, August 2006

See Reverse for Instructions

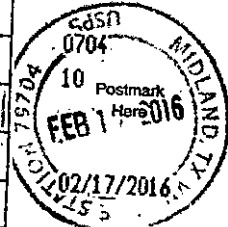
U.S. Postal Service™  
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ALBUQUERQUE, NM 87113

**OFFICIAL USE**

Postage	\$	\$3.45
Certified Fee		\$2.80
Return Receipt Fee (Endorsement Required)		\$0.00
Restricted Delivery Fee (Endorsement Required)		N/A
		\$0.49
Total Postage & Fees	\$	\$6.74



Sent To D. Stuart Harroun, Jr.  
Street, Apt. No.; Individually & as Trustee of the  
or PO Box No. Stuart D. Harroun Jr. Trust  
City, State, ZIP+4 515 Tres Lagunas Lane NE  
Albuquerque, NM 87113

PS Form 3800, August 2006

See Reverse for Instructions

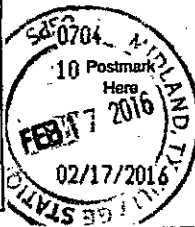
U.S. Postal Service™  
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CARLSBAD, NM 88220

**OFFICIAL USE**

Postage	\$	\$3.45
Certified Fee		\$2.80
Return Receipt Fee (Endorsement Required)		\$0.00
Restricted Delivery Fee (Endorsement Required)		N/A
		\$0.49
Total Postage & Fees	\$	\$6.74



Sent To Angel Hernandez, Jr.  
Street, Apt. No.; 304 Sioux Road  
or PO Box No. Carlsbad, NM 88220  
City, State, ZIP+4

PS Form 3800, August 2006

See Reverse for Instructions

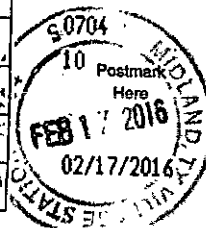
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WILTON, IA 52778

**OFFICIAL USE**

Postage	\$	\$3.45
Certified Fee		\$2.80
Return Receipt Fee (Endorsement Required)		\$0.00
Restricted Delivery Fee (Endorsement Required)		N/A
		\$0.49
Total Postage & Fees	\$	\$6.74



Sent To Bill Chapman  
Street, Apt. No.; P.O. Box 158  
or PO Box No. Wilton, IA 52778  
City, State, ZIP+4

PS Form 3800, August 2006

See Reverse for Instructions

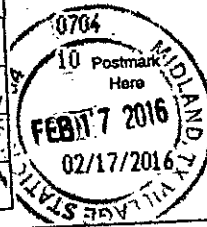
U.S. Postal Service™  
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MERIDIAN, TX 76665

**OFFICIAL USE**

Postage	\$	\$3.45
Certified Fee		\$2.80
Return Receipt Fee (Endorsement Required)		\$0.00
Restricted Delivery Fee (Endorsement Required)		N/A
		\$0.49
Total Postage & Fees	\$	\$6.74



Sent To Gayle Frances Austin Hensley  
Street, Apt. No.; 2022 Highway 144  
or PO Box No. Meridian, TX 76665  
City, State, ZIP+4

PS Form 3800, August 2006

See Reverse for Instructions

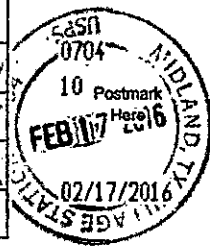
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CHATTANOOGA, OK 73528

**OFFICIAL USE**

Postage	\$	\$3.45
Certified Fee		\$2.80
Return Receipt Fee (Endorsement Required)		\$0.00
Restricted Delivery Fee (Endorsement Required)		N/A
		\$0.49
Total Postage & Fees	\$	\$6.74



Sent To David and Janice Holloway  
Street, Apt. No.; 24040 State Highway 5  
or PO Box No. Chattanooga, OK 73528  
City, State, ZIP+4

PS Form 3800, August 2006

See Reverse for Instructions

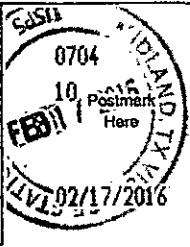
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CLEVELAND, GA 30528

**OFFICIAL USE**

Postage	\$	\$3.45
Certified Fee		\$2.80
Return Receipt Fee (Endorsement Required)		\$0.00
Restricted Delivery Fee (Endorsement Required)		N/A
		\$0.49
Total Postage & Fees	\$	\$6.74



Sent To Lynn & Vanessa Hobbs  
Street, Apt. No.; P.O. Box 1257  
or PO Box No. Cleveland, GA 30528  
City, State, ZIP+4

PS Form 3800, August 2006

See Reverse for Instructions

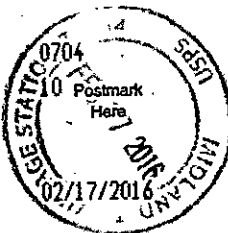
7011 3500 0002 4936 1147

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LUTHER OK 73054 **OFFICIAL USE**

Postage	\$ 3.45
Certified Fee	\$2.80
Return Receipt Fee (Endorsement Required)	\$0.00
Restricted Delivery Fee (Endorsement Required)	N/A
Total Postage & Fees	\$6.74



Sent To: C. Peggy Vorel  
 Street, Apt. No., or PO Box No.: 19545 NE 164th St.  
 City, State, ZIP+4: Luther, OK 73054

PS Form 3800, August 2006 See Reverse for Instructions

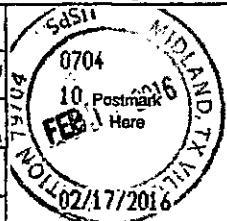
0690 9664 4936 0690

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CHATTANOOGA OK 73528 **OFFICIAL USE**

Postage	\$ 3.45
Certified Fee	\$2.80
Return Receipt Fee (Endorsement Required)	\$0.00
Restricted Delivery Fee (Endorsement Required)	N/A
Total Postage & Fees	\$6.74



Sent To: Kenneth & Sue Holloway  
 Street, Apt. No., or PO Box No.: 23998 St. Highway 5  
 City, State, ZIP+4: Chattanooga, OK 73528

PS Form 3800, August 2006 See Reverse for Instructions

1290 9664 4936 0621

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CARLSBAD NM 88221 **OFFICIAL USE**

Postage	\$ 3.45
Certified Fee	\$2.80
Return Receipt Fee (Endorsement Required)	\$0.00
Restricted Delivery Fee (Endorsement Required)	N/A
Total Postage & Fees	\$6.74



Sent To: Bennie Greer  
 Street, Apt. No., or PO Box No.: Jackie Allison  
 City, State, ZIP+4: P.O. Box 1383  
 Artesia, NM 88221

PS Form 3800, August 2006 See Reverse for Instructions

0690 9664 4936 0621

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AMARILLO TX 79109 **OFFICIAL USE**

Postage	\$ 3.45
Certified Fee	\$2.80
Return Receipt Fee (Endorsement Required)	\$0.00
Restricted Delivery Fee (Endorsement Required)	N/A
Total Postage & Fees	\$6.74



Sent To: Laurelea Buchwald Stephens  
 Street, Apt. No., or PO Box No.: 6409 Cromwell Dr.  
 City, State, ZIP+4: Amarillo, TX 79109

PS Form 3800, August 2006 See Reverse for Instructions

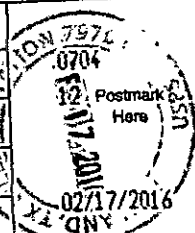
1040 0470 0000 5368 0937

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FORT WORTH TX 76131 **OFFICIAL USE**

Postage	\$ 3.45
Certified Fee	\$2.80
Return Receipt Fee (Endorsement Required)	\$0.00
Restricted Delivery Fee (Endorsement Required)	N/A
Total Postage & Fees	\$6.74



Sent To: BNSF Railway Coporate  
 Street, Apt. No., or PO Box No.: Headquarters  
 City, State, ZIP+4: 2650 Lou Menk Drive  
 Ft. Worth, TX 76131

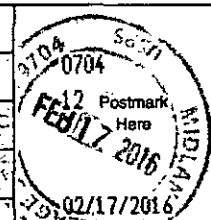
1040 0470 0000 5368 0913

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CARLSBAD NM 88220 **OFFICIAL USE**

Postage	\$ 3.45
Certified Fee	\$2.80
Return Receipt Fee (Endorsement Required)	\$0.00
Restricted Delivery Fee (Endorsement Required)	N/A
Total Postage & Fees	\$6.74



Sent To: Explor Resources, LLC  
 Street, Apt. No., or PO Box No.: 1104 N. Shore  
 City, State, ZIP+4: Carlsbad, NM 88220

7011 3500 0002 4936 0850

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LOGAN NM 88426 **OFFICIAL USE**

Postage	\$ 3.45
Certified Fee	\$2.80
Return Receipt Fee (Endorsement Required)	\$0.00
Restricted Delivery Fee (Endorsement Required)	N/A
Total Postage & Fees	\$6.74



Sent To: Betty Miller  
 Street, Apt. No., or PO Box No.: 6950 540 Loop, Trlr A1  
 City, State, ZIP+4: Logan, NM 88426

PS Form 3800, August 2006 See Reverse for Instructions

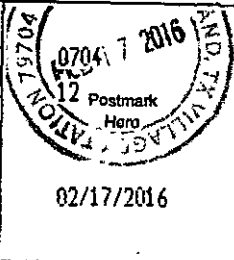
7011 3500 0002 4936 0860

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LOGAN NM 88426 **OFFICIAL USE**

Postage	\$ 3.45
Certified Fee	\$2.80
Return Receipt Fee (Endorsement Required)	\$0.00
Restricted Delivery Fee (Endorsement Required)	N/A
Total Postage & Fees	\$6.74



Sent To: Kevin Miller  
 Street, Apt. No., or PO Box No.: 6950 540 Loop, Trl A1  
 City, State, ZIP+4: Logan, NM 88426

PS Form 3800, August 2006 See Reverse for Instructions

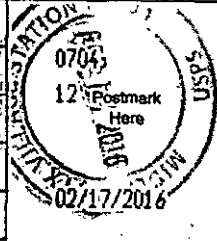
7011 0470 0001 5368 0920

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DENVER CO 80221 **OFFICIAL USE**

Postage	\$ 3.45
Certified Fee	\$2.80
Return Receipt Fee (Endorsement Required)	\$0.00
Restricted Delivery Fee (Endorsement Required)	N/A
Total Postage & Fees	\$6.74



Sent To: A.G. Tolbert & Margie Cooper Trust  
 Street, Apt. No., or PO Box No.: 1261 W. 71st Place  
 City, State, ZIP+4: Denver, CO 80221

PS Form 3800, August 2006 See Reverse for Instructions

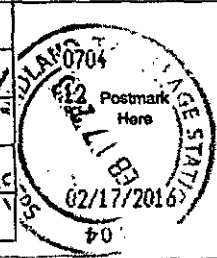
7011 3500 0002 4936 0270

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LOCO HILLS NM 88255 **OFFICIAL USE**

Postage	\$ 3.45
Certified Fee	\$2.80
Return Receipt Fee (Endorsement Required)	\$0.00
Restricted Delivery Fee (Endorsement Required)	N/A
Total Postage & Fees	\$6.74



Sent To: Standard Oil Field Supply, Inc.  
 Street, Apt. No., or PO Box No.: P.O. Box 5  
 City, State, ZIP+4: Loco Hills, NM 88255

PS Form 3800, August 2006 See Reverse for Instructions

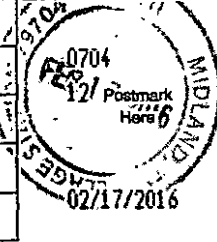
7011 0470 0001 5368 0906

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For delivery information visit our website at [www.usps.com](http://www.usps.com)

ARTESIA NM 88211 **OFFICIAL USE**

Postage	\$ 3.45
Certified Fee	\$2.80
Return Receipt Fee (Endorsement Required)	\$0.00
Restricted Delivery Fee (Endorsement Required)	N/A
Total Postage & Fees	\$6.74



Sent To: Ross Duncan Properties  
 Street, Apt. No., or PO Box No.: P.O. Box 647  
 City, State, ZIP+4: Artesia, NM 88211

PS Form 3800, August 2006 See Reverse for Instructions

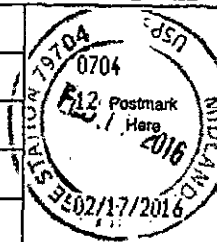
7011 3500 0002 4936 0825

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DENVER CO 80221 **OFFICIAL USE**

Postage	\$ 3.45
Certified Fee	\$2.80
Return Receipt Fee (Endorsement Required)	\$0.00
Restricted Delivery Fee (Endorsement Required)	N/A
Total Postage & Fees	\$6.74



Sent To: A.G. Tolbert & Margie Cooper Trust  
 Street, Apt. No., or PO Box No.: AGT & Margie Cooper, Trustess  
 City, State, ZIP+4: 1261 W. 71st Place  
 City, State, ZIP+4: Denver, CO 80221

PS Form 3800, August 2006 See Reverse for Instructions

0690 9955 1000 0470 7102

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For delivery information visit our website at [www.usps.com](http://www.usps.com)

MIDLAND TX 79701

**OFFICIAL USE**

Postage	\$	\$3.45
Certified Fee		\$2.80
Return Receipt Fee (Endorsement Required)		\$0.00
Restricted Delivery Fee (Endorsement Required)		N/A
Total Postage & Fees	\$	\$6.74



Sent To  
 Concho Operating, LLC  
 Street, Apt. No., or PO Box No. 600 W. Illinois Ave.  
 City, State, ZIP+4 Midland, TX 79701

PS Form 3800, August 2006

See Reverse for Instructions

0690 9955 1000 0470 7102

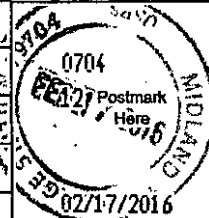
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For delivery information visit our website at [www.usps.com](http://www.usps.com)

ROSWELL NM 88202

**OFFICIAL USE**

Postage	\$	\$3.45
Certified Fee		\$2.80
Return Receipt Fee (Endorsement Required)		\$0.00
Restricted Delivery Fee (Endorsement Required)		N/A
Total Postage & Fees	\$	\$6.74



Sent To  
 The Leonard Trust  
 Street, Apt. No., or PO Box No. P.O. Box 400  
 City, State, ZIP+4 Roswell, NM 88202

PS Form 3800, August 2006

See Reverse for Instructions

0690 9955 1000 0470 7102

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For delivery information visit our website at [www.usps.com](http://www.usps.com)

**OFFICIAL USE**

Postage	\$	\$3.45
Certified Fee		\$2.80
Return Receipt Fee (Endorsement Required)		\$0.00
Restricted Delivery Fee (Endorsement Required)		N/A
Total Postage & Fees	\$	\$6.74



Sent To  
 Jon Lee Black  
 Street, Apt. No., or PO Box No. P.O. Box 331  
 City, State, ZIP+4 Crowell, TX 79227

PS Form 3800, August 2006

See Reverse for Instructions

0690 9955 1000 0470 7102

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For delivery information visit our website at [www.usps.com](http://www.usps.com)

**OFFICIAL USE**

Postage	\$	\$3.45
Certified Fee		\$2.80
Return Receipt Fee (Endorsement Required)		\$0.00
Restricted Delivery Fee (Endorsement Required)		N/A
Total Postage & Fees	\$	\$6.74



Sent To  
 Kaiser-Francis Oil Company  
 Street, Apt. No., or PO Box No. 6733 South Yale Avenue  
 City, State, ZIP+4 Tulsa, OK 74136

PS Form 3800, August 2006

See Reverse for Instructions

0690 9955 1000 0470 7102

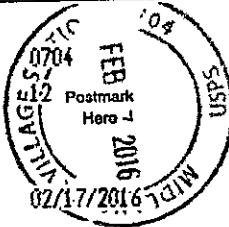
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For delivery information visit our website at [www.usps.com](http://www.usps.com)

SOUTH SAN FRANCISCO CA 94080

**OFFICIAL USE**

Postage	\$	\$3.45
Certified Fee		\$2.80
Return Receipt Fee (Endorsement Required)		\$0.00
Restricted Delivery Fee (Endorsement Required)		N/A
Total Postage & Fees	\$	\$6.74



Sent To  
 Anastacia Blanco  
 Street, Apt. No., or PO Box No. 2720 Shannon dr  
 City, State, ZIP+4 South San Francisco, CA 94080

PS Form 3800, August 2006

See Reverse for Instructions

0690 9955 1000 0470 7102

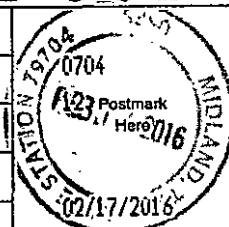
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For delivery information visit our website at [www.usps.com](http://www.usps.com)

CARLSBAD NM 88220

**OFFICIAL USE**

Postage	\$	\$3.45
Certified Fee		\$2.80
Return Receipt Fee (Endorsement Required)		\$0.00
Restricted Delivery Fee (Endorsement Required)		N/A
Total Postage & Fees	\$	\$6.74



Sent To  
 Roberto B. Lujan  
 Street, Apt. No., or PO Box No. 1907 Mora  
 City, State, ZIP+4 Carlsbad, NM 88220

PS Form 3800, August 2006

See Reverse for Instructions

8440 9664 2000 0056 TT02

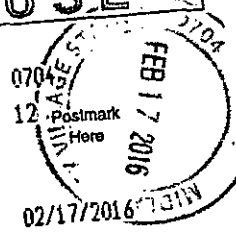
U.S. Postal Service<sup>TM</sup>  
**CERTIFIED MAIL<sup>TM</sup> RECEIPT**  
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at [www.usps.com](http://www.usps.com)

LOVING, NM 88256

**OFFICIAL USE**

Postage	\$ 3.45
Certified Fee	\$2.80
Return Receipt Fee (Endorsement Required)	\$0.00
Restricted Delivery Fee (Endorsement Required)	N/A
	\$0.49
<b>Total Postage &amp; Fees</b>	<b>\$6.74</b>



Sent To: Eduardo Campos  
Aida Campos, Joint Tenants  
Street, Apt. No., or PO Box No.: P.O. Box 13  
City, State, ZIP+4: Loving, NM 88256

PS Form 3800, August 2006

See Reverse for Instructions

7940 9664 2000 0056 TT02

U.S. Postal Service<sup>TM</sup>  
**CERTIFIED MAIL<sup>TM</sup> RECEIPT**  
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For delivery information visit our website at [www.usps.com](http://www.usps.com)

EL PASO, TX 79924

**OFFICIAL USE**

Postage	\$ 3.45
Certified Fee	\$2.80
Return Receipt Fee (Endorsement Required)	\$0.00
Restricted Delivery Fee (Endorsement Required)	N/A
	\$0.49
<b>Total Postage &amp; Fees</b>	<b>\$6.74</b>



Sent To: Abel Campos  
6145 Quail Ave Trlr 601  
Street, Apt. No., or PO Box No.: El Paso, TX 79924  
City, State, ZIP+4:

PS Form 3800, August 2006

See Reverse for Instructions

9420 9664 2000 0056 TT02

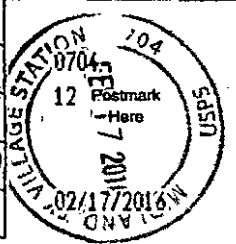
U.S. Postal Service<sup>TM</sup>  
**CERTIFIED MAIL<sup>TM</sup> RECEIPT**  
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For delivery information visit our website at [www.usps.com](http://www.usps.com)

DALLAS, TX 75240

**OFFICIAL USE**

Postage	\$ 3.45
Certified Fee	\$2.80
Return Receipt Fee (Endorsement Required)	\$0.00
Restricted Delivery Fee (Endorsement Required)	N/A
	\$0.49
<b>Total Postage &amp; Fees</b>	<b>\$6.74</b>



Sent To: Matador Production company  
5400 LBJ Freeway  
Street, Apt. No., or PO Box No.: Ste 1500  
City, State, ZIP+4: Dallas, TX 75240

PS Form 3800, August 2006

See Reverse for Instructions

4620 9664 2000 0056 TT02

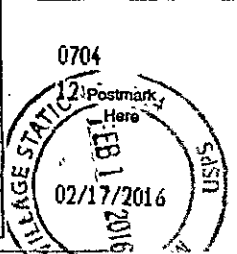
U.S. Postal Service<sup>TM</sup>  
**CERTIFIED MAIL<sup>TM</sup> RECEIPT**  
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at [www.usps.com](http://www.usps.com)

OCEANSIDE, CA 92056

**OFFICIAL USE**

Postage	\$ 3.45
Certified Fee	\$2.80
Return Receipt Fee (Endorsement Required)	\$0.00
Restricted Delivery Fee (Endorsement Required)	N/A
	\$0.49
<b>Total Postage &amp; Fees</b>	<b>\$6.74</b>



Sent To: Balm Family Trust  
3118 Thunder Drive  
Street, Apt. No., or PO Box No.: Oceanside, CA 92056  
City, State, ZIP+4:

PS Form 3800, August 2006

See Reverse for Instructions

9440 9664 2000 0056 TT02

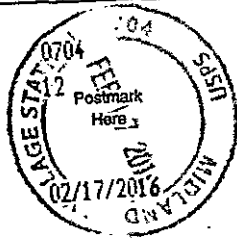
U.S. Postal Service<sup>TM</sup>  
**CERTIFIED MAIL<sup>TM</sup> RECEIPT**  
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at [www.usps.com](http://www.usps.com)

KEHEI, HI 96753

**OFFICIAL USE**

Postage	\$ 3.45
Certified Fee	\$2.80
Return Receipt Fee (Endorsement Required)	\$0.00
Restricted Delivery Fee (Endorsement Required)	N/A
	\$0.49
<b>Total Postage &amp; Fees</b>	<b>\$6.74</b>



Sent To: Michael J. Buckley  
145 Auhana Road  
Street, Apt. No., or PO Box No.: Kehei, HI 96753  
City, State, ZIP+4:

See Reverse for Instructions

6990 9664 2000 0056 TT02

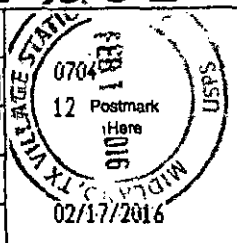
U.S. Postal Service<sup>TM</sup>  
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LOVING, NM 88256

**OFFICIAL USE**

Postage	\$ 3.45
Certified Fee	\$2.80
Return Receipt Fee (Endorsement Required)	\$0.00
Restricted Delivery Fee (Endorsement Required)	N/A
	\$0.49
<b>Total Postage &amp; Fees</b>	<b>\$6.74</b>



Sent To: Henry McDonald  
P.O. Box 597  
Street, Apt. No., or PO Box No.: Loving, NM 88256  
City, State, ZIP+4:

See Reverse for Instructions



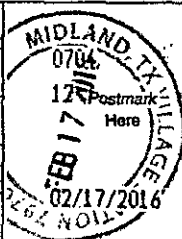
7011 3500 0002 4936 0355

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For delivery information visit our website at [www.usps.com](http://www.usps.com)

MIDLAND, TX 79708

**OFFICIAL USE**

Postage	\$ 3.45
Certified Fee	\$2.80
Return Receipt Fee (Endorsement Required)	\$0.00
Restricted Delivery Fee (Endorsement Required)	N/A
Total Postage & Fees	\$6.74



Sent To Edmund T. Anderson IV  
 Oil and Gas Properties  
 Street, Apt. No., or PO Box No. P.O. Box 8575  
 City, State, ZIP+4 Midland, TX 79708-8575

PS Form 3800, August 2006

See Reverse for Instructions

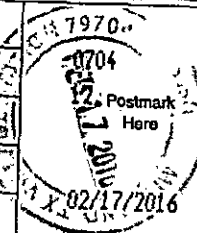
7011 3500 0002 4936 0362

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HURST, TX 76054

**OFFICIAL USE**

Postage	\$ 3.45
Certified Fee	\$2.80
Return Receipt Fee (Endorsement Required)	\$0.00
Restricted Delivery Fee (Endorsement Required)	N/A
Total Postage & Fees	\$6.74



Sent To Joan L. Anthony  
 2632 Bent Tree Dr.  
 Street, Apt. No., or PO Box No. Hurst, TX 76054  
 City, State, ZIP+4

PS Form 3800, August 2006

See Reverse for Instructions

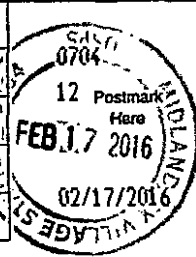
7011 3500 0002 4936 0366

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WIMBERLEY, TX 78676

**OFFICIAL USE**

Postage	\$ 3.45
Certified Fee	\$2.80
Return Receipt Fee (Endorsement Required)	\$0.00
Restricted Delivery Fee (Endorsement Required)	N/A
Total Postage & Fees	\$6.74



Sent To Molly M. Azopardi  
 P.O. Box 620  
 Street, Apt. No., or PO Box No. Wimberley, TX 78676  
 City, State, ZIP+4

PS Form 3800, August 2006

See Reverse for Instructions

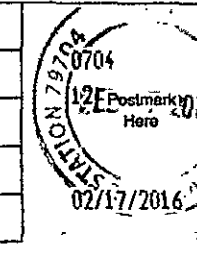
7011 3500 0002 4936 0374

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BIG SPRING, TX 79720

**OFFICIAL USE**

Postage	\$ 3.45
Certified Fee	\$2.80
Return Receipt Fee (Endorsement Required)	\$0.00
Restricted Delivery Fee (Endorsement Required)	N/A
Total Postage & Fees	\$6.74



Sent To Maria Armendaraz  
 1303 Dixie Ave  
 Street, Apt. No., or PO Box No. Big Spring, TX 79720  
 City, State, ZIP+4

PS Form 3800, August 2006

See reverse for Instructions

7011 3500 0002 4936 0380

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ROSWELL, NM 88202

**OFFICIAL USE**

Postage	\$ 3.45
Certified Fee	\$2.80
Return Receipt Fee (Endorsement Required)	\$0.00
Restricted Delivery Fee (Endorsement Required)	N/A
Total Postage & Fees	\$6.74



Sent To Prospector LLC  
 P.O. Box 429  
 Street, Apt. No., or PO Box No. Roswell, NM 88202  
 City, State, ZIP+4

PS Form 3800, August 2006

See Reverse for Instructions

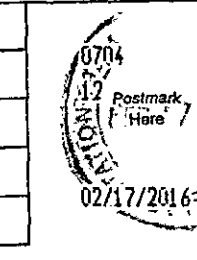
7011 3500 0002 4936 0393

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For delivery information visit our website at [www.usps.com](http://www.usps.com)

AMARILLO, TX 79106

**OFFICIAL USE**

Postage	\$ 3.45
Certified Fee	\$2.80
Return Receipt Fee (Endorsement Required)	\$0.00
Restricted Delivery Fee (Endorsement Required)	N/A
Total Postage & Fees	\$6.74



Sent To Virginia Arlene Austin Baggerman  
 1603 LaSalle Dr.  
 Street, Apt. No., or PO Box No. Amarillo, TX 79106  
 City, State, ZIP+4

PS Form 3800, August 2006

See Reverse for Instructions

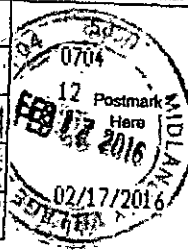
7011 3500 0002 4936 0324

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For delivery information visit our website at [www.usps.com](http://www.usps.com)  
 ROSWELL, NM 88202

**OFFICIAL USE**

Postage	\$	\$3.45
Certified Fee		\$2.80
Return Receipt Fee (Endorsement Required)		\$0.00
Restricted Delivery Fee (Endorsement Required)		N/A
		\$0.49
<b>Total Postage &amp; Fees</b>	<b>\$</b>	<b>\$6.74</b>



Sent To

Big Three Energy Group, LLC  
 Street, Apt. No., or PO Box No. P.O. Box 429  
 City, State, ZIP+4 Roswell, NM 88202

PS Form 3800, August 2006

See Reverse for Instructions

7011 3500 0002 4936 0317

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 ROSWELL, NM 88202

**OFFICIAL USE**

Postage	\$	\$3.45
Certified Fee		\$2.80
Return Receipt Fee (Endorsement Required)		\$0.00
Restricted Delivery Fee (Endorsement Required)		N/A
		\$0.49
<b>Total Postage &amp; Fees</b>	<b>\$</b>	<b>\$6.74</b>



Sent To

Featherstone Development  
 Street, Apt. No., or PO Box No. Corporation  
 City, State, ZIP+4 P.O. Box 429  
 Roswell, NM 88202

PS Form 3800, August 2006

See Reverse for Instructions

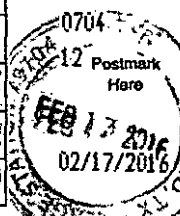
7011 3500 0002 4936 0340

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For delivery information visit our website at [www.usps.com](http://www.usps.com)  
 LOVING, NM 88256

**OFFICIAL USE**

Postage	\$	\$3.45
Certified Fee		\$2.80
Return Receipt Fee (Endorsement Required)		\$0.00
Restricted Delivery Fee (Endorsement Required)		N/A
		\$0.49
<b>Total Postage &amp; Fees</b>	<b>\$</b>	<b>\$6.74</b>



Sent To

Chris Anaya  
 Street, Apt. No., or PO Box No. P.O. Box 1301  
 City, State, ZIP+4 Loving, NM 88256

PS Form 3800, August 2006

See Reverse for Instructions

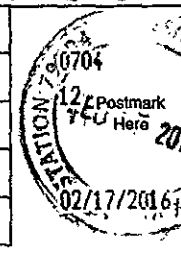
7011 3500 0002 4936 0331

**U.S. Postal Service™**  
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For delivery information visit our website at [www.usps.com](http://www.usps.com)  
 SOUTHLAKE, TX 76092

**OFFICIAL USE**

Postage	\$	\$3.45
Certified Fee		\$2.80
Return Receipt Fee (Endorsement Required)		\$0.00
Restricted Delivery Fee (Endorsement Required)		N/A
		\$0.49
<b>Total Postage &amp; Fees</b>	<b>\$</b>	<b>\$6.74</b>



Sent To

HKN, Inc.  
 Street, Apt. No., or PO Box No. 180 State Street  
 City, State, ZIP+4 Ste. 200  
 Southlake, TX 76092

PS Form 3800, August 2006

See Reverse for Instructions

7011 3500 0002 4936 1222

U.S. POSTAL SERVICE  
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 (Domestic Mail Only, No Insurance Coverage Provided)  
 For delivery information visit us at [www.usps.com](http://www.usps.com)  
**HALAGA NM 88263**

Postage	\$	\$3.45
Certified Fee		\$2.80
Return Receipt Fee (Endorsement Required)		\$0.00
Restricted Delivery Fee (Endorsement Required)		N/A
Total Postage & Fees	\$	\$6.74

0708  
 06 Postmark  
 FEB Here  
 02/18/2016

Sent To: **MANUEL FLOREZ**  
 Street, Apt. No., or PO Box No. **P.O. Box 96**  
 City, State, ZIP+4 **HALAGA, NM 88263**

7011 3500 0002 4936 1178

U.S. POSTAL SERVICE  
**CERTIFIED MAIL RECEIPT**  
 (Domestic Mail Only, No Insurance Coverage Provided)  
 For delivery information visit us at [www.usps.com](http://www.usps.com)  
**MCALLEN TX 78504-1709**

Postage	\$	\$3.45
Certified Fee		\$2.80
Return Receipt Fee (Endorsement Required)		\$0.00
Restricted Delivery Fee (Endorsement Required)		N/A
Total Postage & Fees	\$	\$6.74

0708  
 06 Postmark  
 FEB Here  
 02/18/2016

Sent To: **Estate of MARY J. CALVERT, MARY ALANIZ**  
 Street, Apt. No., or PO Box No. **3821 N. 7th CT., APT C**  
 City, State, ZIP+4 **MCALLEN, TX 78504**

7011 3500 0002 4936 1086

U.S. POSTAL SERVICE  
**CERTIFIED MAIL RECEIPT**  
 (Domestic Mail Only, No Insurance Coverage Provided)  
 For delivery information visit us at [www.usps.com](http://www.usps.com)  
**KIRKLAND WA 98034**

Postage	\$	\$3.45
Certified Fee		\$2.80
Return Receipt Fee (Endorsement Required)		\$0.00
Restricted Delivery Fee (Endorsement Required)		N/A
Total Postage & Fees	\$	\$6.74

0708  
 06 Postmark  
 Here  
 02/18/2016

Sent To: **Estate of IRENE BROWN**  
 Street, Apt. No., or PO Box No. **14415 87th Ave. NE**  
 City, State, ZIP+4 **KIRKLAND, WA 98034**

**C-108 ITEM XIII – PROOF OF NOTIFICATION  
Regulatory Filings**

**Guardian Operating Corp.**

**Kirkes No.1**

**C-108 sent 2/19/16**

FedEx Tracking Nos.

OCD SF – 7756 8582 0875

OCD Art – 7756 8584 1005

I hereby certify that a full copy of the subject C-108 application was sent to the applicable regulatory agencies as indicated above.

A handwritten signature in black ink, appearing to read "Ben Stone", is positioned above the printed name.

Ben Stone, Partner  
SOS Consulting, LLC  
Agent for Guardian Operating Corp.

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

Proof of Notice – Legal Notice  
Newspaper of General Circulation

### **LEGAL NOTICE**

Guardian Operating, LLC, 203 W Wall St Midland, TX 79701, is filing Form C-108 (Application for Authority to Inject) with the New Mexico Oil Conservation Division for administrative approval to permit and configure for salt water disposal its Kirkes Well No.1. The well is located 2080' FSL & 1173' FEL in Section 10, Township 24 South, Range 28 East in Eddy County, New Mexico. Produced water from area production will be privately disposed into the Cherry Canyon formation through selectively perforated intervals between a maximum applied for top of 3800 feet to maximum depth of 4600 feet based on log analysis. The maximum injection pressure will be 760 psi surface (0.2 psi/ft gradient) and a maximum rate limited only by such pressure.

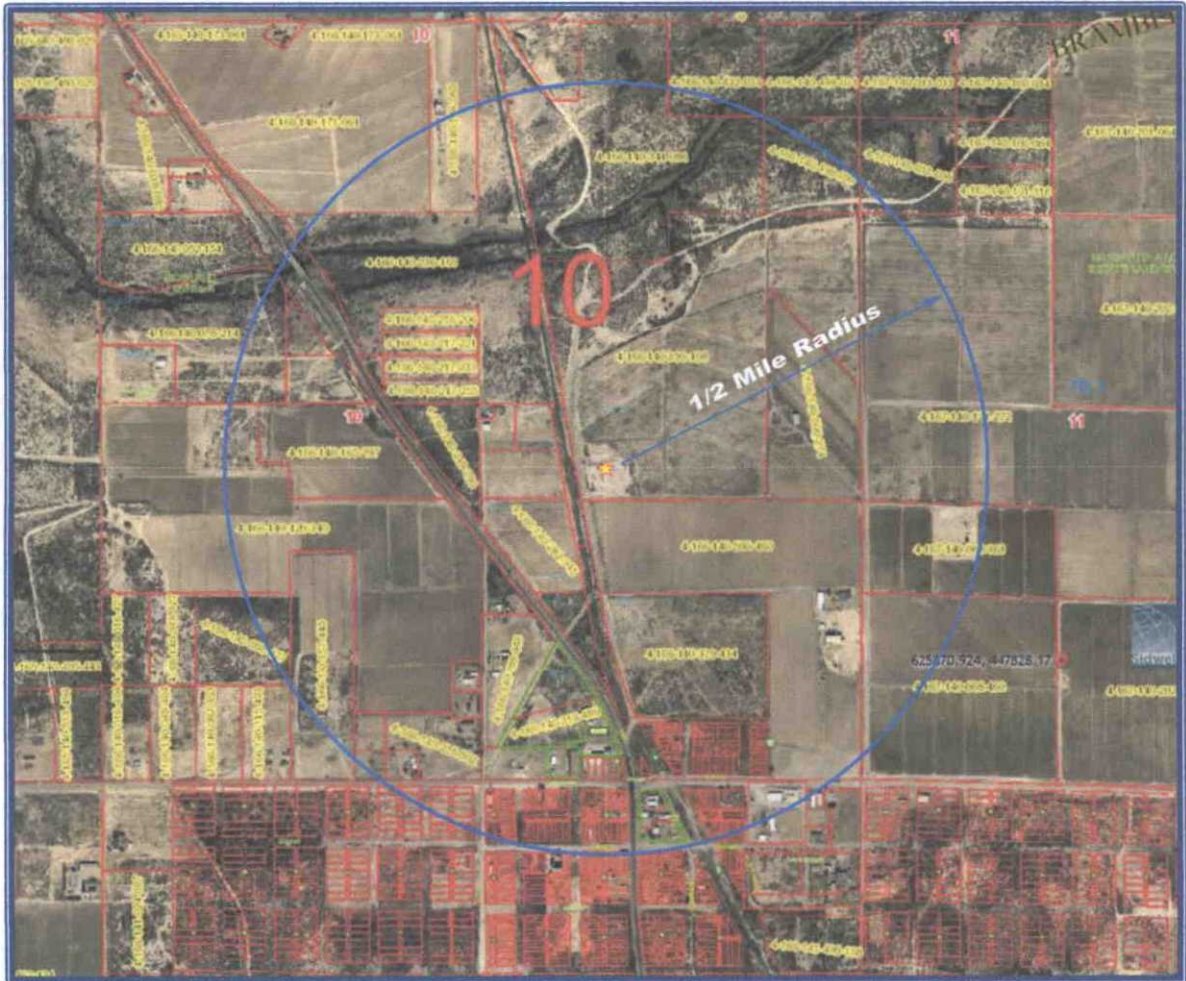
Interested parties wishing to object to the proposed application must file with the New Mexico Oil Conservation Division, 1220 St. Francis Dr., Santa Fe, NM 87505, (505)476-3460 within 15 days of the date of this notice. Additional information may be obtained from the applicant's agent, SOS Consulting,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

Published in the Artesia Daily Press, Artesia, N.M., Feb. 18, 2016 Legal No. 23836.

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.

## C-108 Item XIV – Proof of Notice

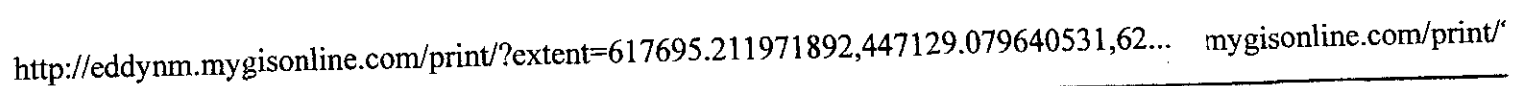
### Surface and Mineral Owner Plat

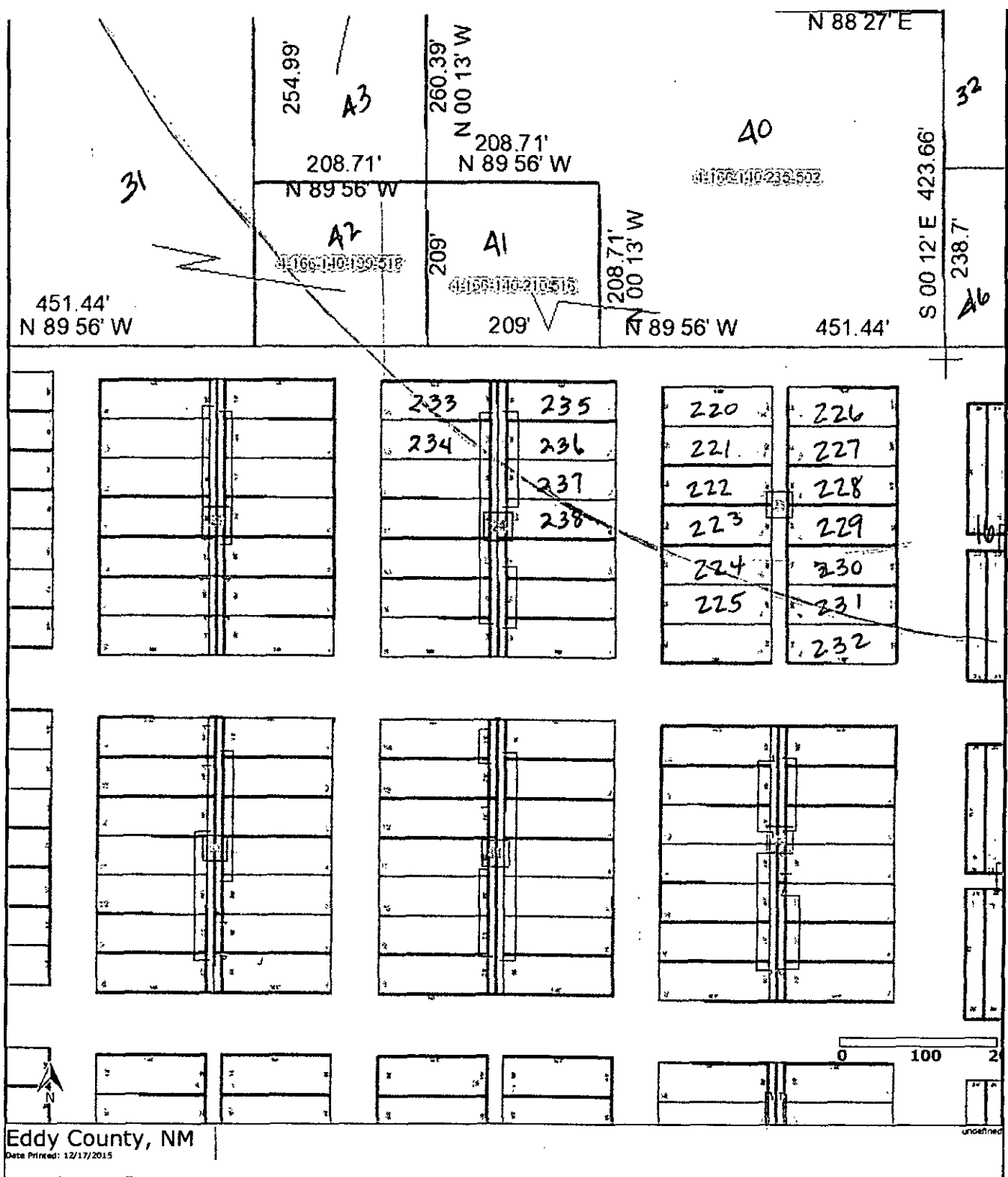


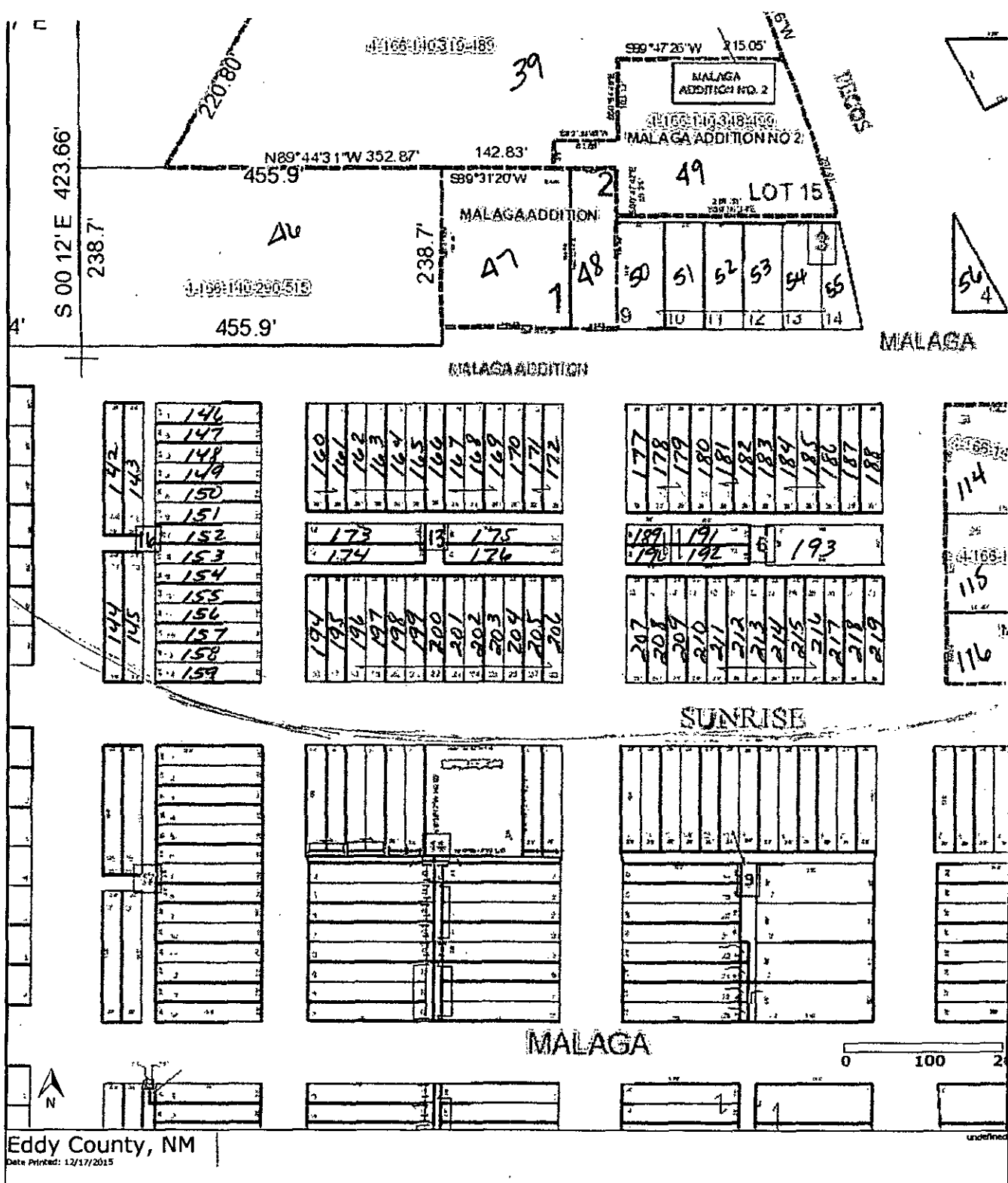
½ Mile AOR – Proposed Kirkes SWD No.1

*Detail worksheets follow this page.*









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915.48'

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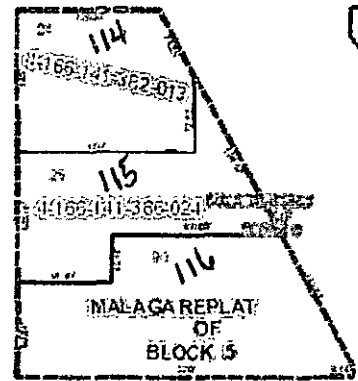
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9

MALAGA

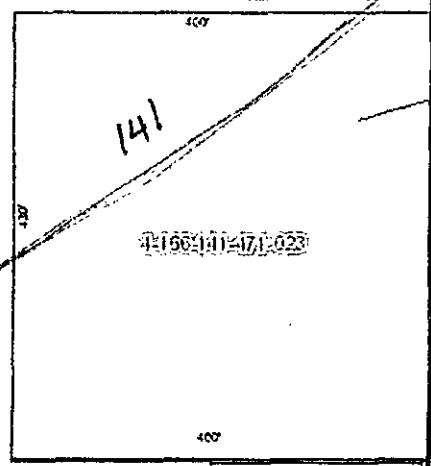
MALAGA



117

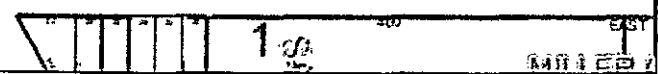
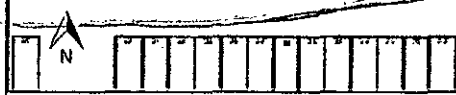
118	119	120	121	122	123	124	125	126
127	128	129	130	131	132	133	134	135
136	137	138	139	140	141	142	143	144

4



SUNRISE

0 100 200



Eddy County, NM  
Date Printed: 12/16/2015

undefined

## **McMillan, Michael, EMNRD**

---

**From:** McMillan, Michael, EMNRD  
**Sent:** Thursday, February 25, 2016 12:44 PM  
**To:** 'Ben Stone'  
**Cc:** Jones, William V, EMNRD; Goetze, Phillip, EMNRD; Lowe, Leonard, EMNRD  
**Subject:** Guardian Operating Corporation Kinkes SWD Well No.1

Ben:  
I received your application yesterday for the Kinkes SWD Well No.1.  
Can you provide the following:  
Affidavit of publication  
Copy of the porosity log between 3700 and 3800. Your copy left off the porosity log between approximately 3740 and 3755.  
Provide log analysis that between 3500 and 4900 feet. Your application by Randall Cate states that log analysis states low resistivity.  
Your application stated that a direct offset mud log offset mudlog was wet, provide the mudlog and cross-section of the offset well and the proposed injection well.

Thank You

## **Michael A. McMillan**

Engineering and Geological Services Bureau, Oil Conservation Division  
1220 South St. Francis Dr., Santa Fe NM 87505  
O: 505.476.3448 F. 505.476.3462  
Michael.mcmillan@state.nm.us

# Affidavit of Publication

No. 23840

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 21, 2016

Second Publication \_\_\_\_\_

Third Publication \_\_\_\_\_

Fourth Publication \_\_\_\_\_

Fifth Publication \_\_\_\_\_

Sixth Publication \_\_\_\_\_

Subscribed and sworn before me this

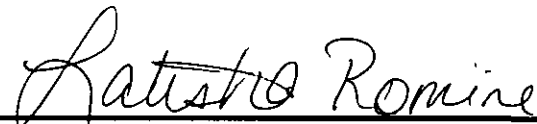
22nd day of February 2016



OFFICIAL SEAL  
Latisha Romine  
NOTARY PUBLIC-STATE OF NEW MEXICO

My commission expires:

5/12/2019



Latisha Romine

Notary Public, Eddy County, New Mexico

# Copy of Publication:

## LEGAL NOTICE

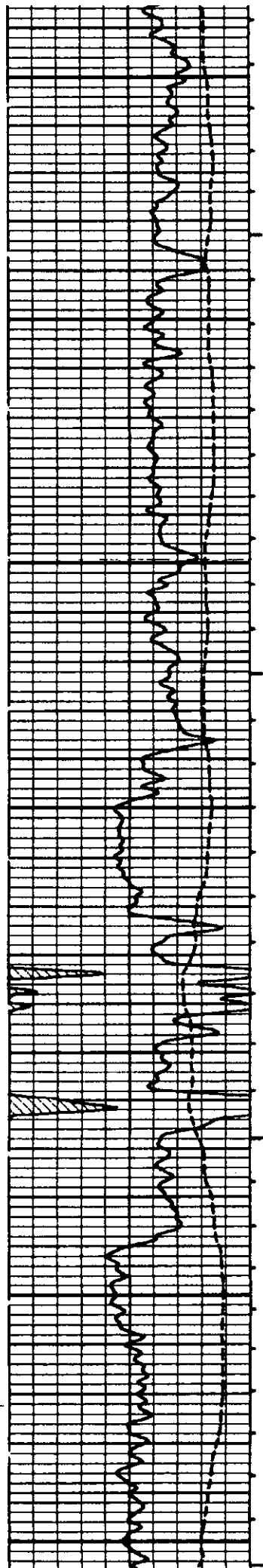
Guardian Operating Corp, 203 W Wall St Midland, TX 79701, is filing Form C-108 (Application for Authority to Inject) with the New Mexico Oil Conservation Division for administrative approval to permit and configure for salt water disposal its Kirkes Well No.1. The well is located 2080' FSL & 1173' FEL in Section 10, Township 24 South, Range 28 East in Eddy County, New Mexico. Produced water from area production will be privately disposed into the Cherry Canyon formation through selectively perforated intervals between a maximum applied for top of 3800 feet to maximum depth of 4600 feet based on log analysis. The maximum injection pressure will be 760 psi surface (0.2 psi/ft gradient) and 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).

Published in the Artesia Daily Press, Artesia, N.M., Feb. 21, 2016 Legal No. 23840.



ATTN: MIKE McMILLAN - KIRKES No. 1 - LOG STRIP REQUESTED.

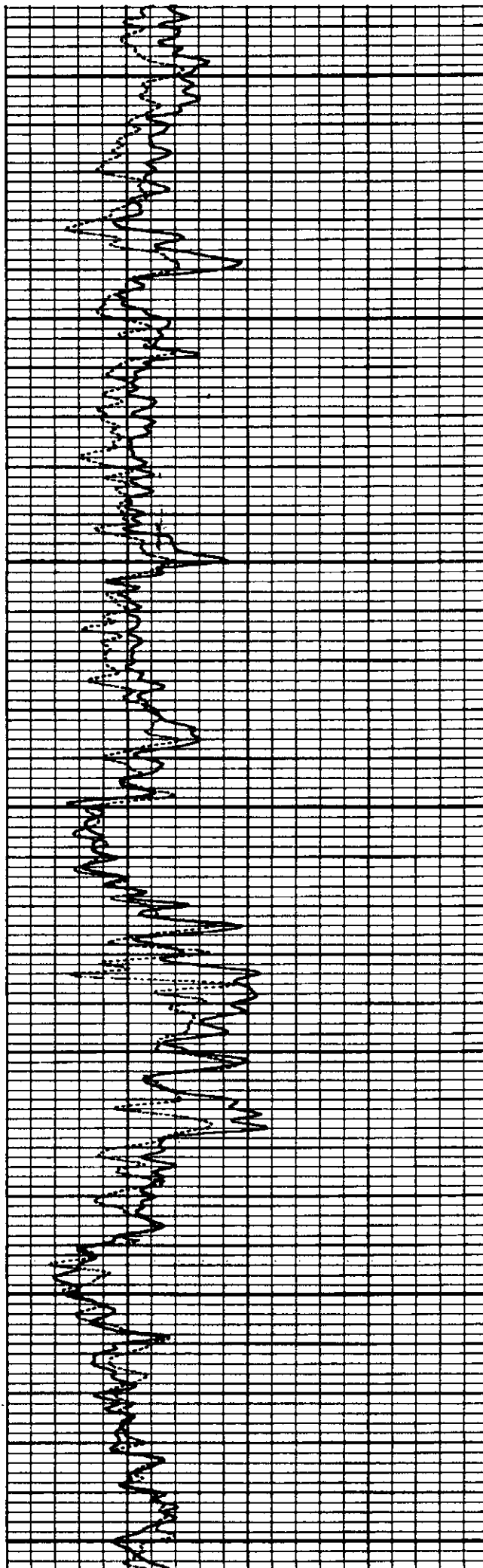


3600

3700

3800

3900



**C-108 ITEM VIII – GEOLOGIC INFORMATION**

RECEIVED OCD

2016 MAR -4 P 3:33

**Addendum to Original C-108 Filing for the  
Kirkes SWD No.1; Guardian Operating Corp.**

Issue

Upon initial review of the subject C-108 submitted on 2/19/16, Michael McMillan of the NMOCD Engineering Bureau requested additional information by the following statement in an email notification (2/26/16) to Ben Stone of SOS Consulting, agent for the applicant; *"Provide log analysis that between 3500 and 4900 feet. Your application by Randall Cate states that log analysis states low resistivity."*

Response

The interval requested for log analysis, 3500' to 4900' was mentioned as being the "general range" of the Cherry Canyon formation in this area. That depth range is valid (and approximate) for the area however; the top of the Cherry Canyon in the subject well is 3420' with the requested interval is wholly contained within this formation. This is the interval recognized by Guardian Operating and agreed to by Matador Production Company, one of the offset operators to the project.

A request was made to Roy Johnson, consulting geologist, (Montrose, Colorado) for additional log analysis of the subject interval from 3800' to 4600'. Mr. Johnson reviewed the two logs on file for the well and available on OCD Online. The logs are 1) a compensated neutron/ formation density and, 2) a [simultaneous] dual laterolog/micro SFL.

Mr. Johnson stated; I agree with the initial analysis provided in your application however; I would add that low resistivity yielding high water saturation and is also indicative of low permeabilities. The CNFD log shows porosity values (uncorrected) of 20% through this interval and I would propose to perforate these zones with 1 or 2 shots per foot.

*Addendum to Original C-108, page 2*

Intervals of interest are as follows:

3840'-82', 4050'-75', 4085'-4115', 4310'-12', and 4370'-90'.

We would however, reserve the right to further analyze the data and the applicant determine their own specific perforations as originally requested between a maximum top of 3800' and a maximum bottom of 4600'.

Mr. Johnson was not asked to select perforated intervals and provided them as an opinion of his overall interpretation of the data.

Mr. Randy Cate, principal of Guardian Operating Corp. and a reservoir engineer, will make the determination based on his experience and the additional information provided herein including his calculations of water saturation across the interval using Archie's Equation. These data are provided and also presented as a strip chart for quick evaluation.

Mr. John Worral, PG, (Roswell, New Mexico) concurred with Mr. Cate's analysis.

With the additional evaluation provided here, we believe the geological data and assessment for this application to be appropriate and complete.

To support the above considerations, we have prepared several additional exhibits to be included in the final review and processing of the C-108 application. Those exhibits are listed on the next page.

Respectfully submitted on 3/03/16,

Ben Stone  
SOS Consulting, LLC, partner  
Agent for Guardian Operating, Corp.

**C-108 ITEM VIII – GEOLOGIC INFORMATION**

**Addendum to Original C-108 Filing**

**EXHIBITS**

1. Geologic Opinion;  
*Additional text from Mr. Randy Cate*
2. Cross-Section of Cherry Canyon SWD Interval
3. Dual Laterolog (Resistivity) Log Strip
4. Water Saturation Strip Chart;  
*With Data Table*
5. Offset Well Mudlog;  
*Guitar 10 24S 28E RB No.202H*
6. Matador Producing Co. Waiver Agreement;  
*For Specified Injection Interval*
7. Additional Water Analysis  
*Wolfcamp*

## **C-108 ITEM VIII – GEOLOGIC INFORMATION**

### **Addendum to Original C-108 Filing**

## **EXHIBIT 1**

*Additional text from Mr. Randy Cate*

### Geologic Opinion

The Cherry Canyon in this area is generally 3500' to 4900'. There is no nearby commercial production. Log analysis in these intervals indicates low resistivity yielding high water saturations. See the attached calculation spreadsheet taken at every 25' from 3500'-4900'. Crain's Model is used to convert Chlorides to salinity and then to  $R_w$  at formation temperature.  $C$ ,  $m$ , and  $n$  are based on clean, consolidated sandstone. It should be noted that several shale zones happened to fall on the 25' interval and cause an erroneously low  $S_w$  due to the optimistic influence of the shale on the log porosity and consequently should be discounted. Otherwise virtually the entire Cherry Canyon calculates wet. A direct offset mud log from the Matador, Guitar 10-202H has no oil shows in the Cherry Canyon; thereby supporting the determination the Cherry Canyon is wet.

# Kirkes No.1 Proposed SWD – Guardian Operating Corp.

## STRATIGRAPHIC CROSS-SECTION for CHERRY CANYON SALT WATER DISPOSAL



**GAS (Shut-In)**  
Guardian Operating Corp.

2030'

**GAS (Active)**  
Matador Production Co.

2320'

**GAS (Shut-In)**  
Matador Production Co.

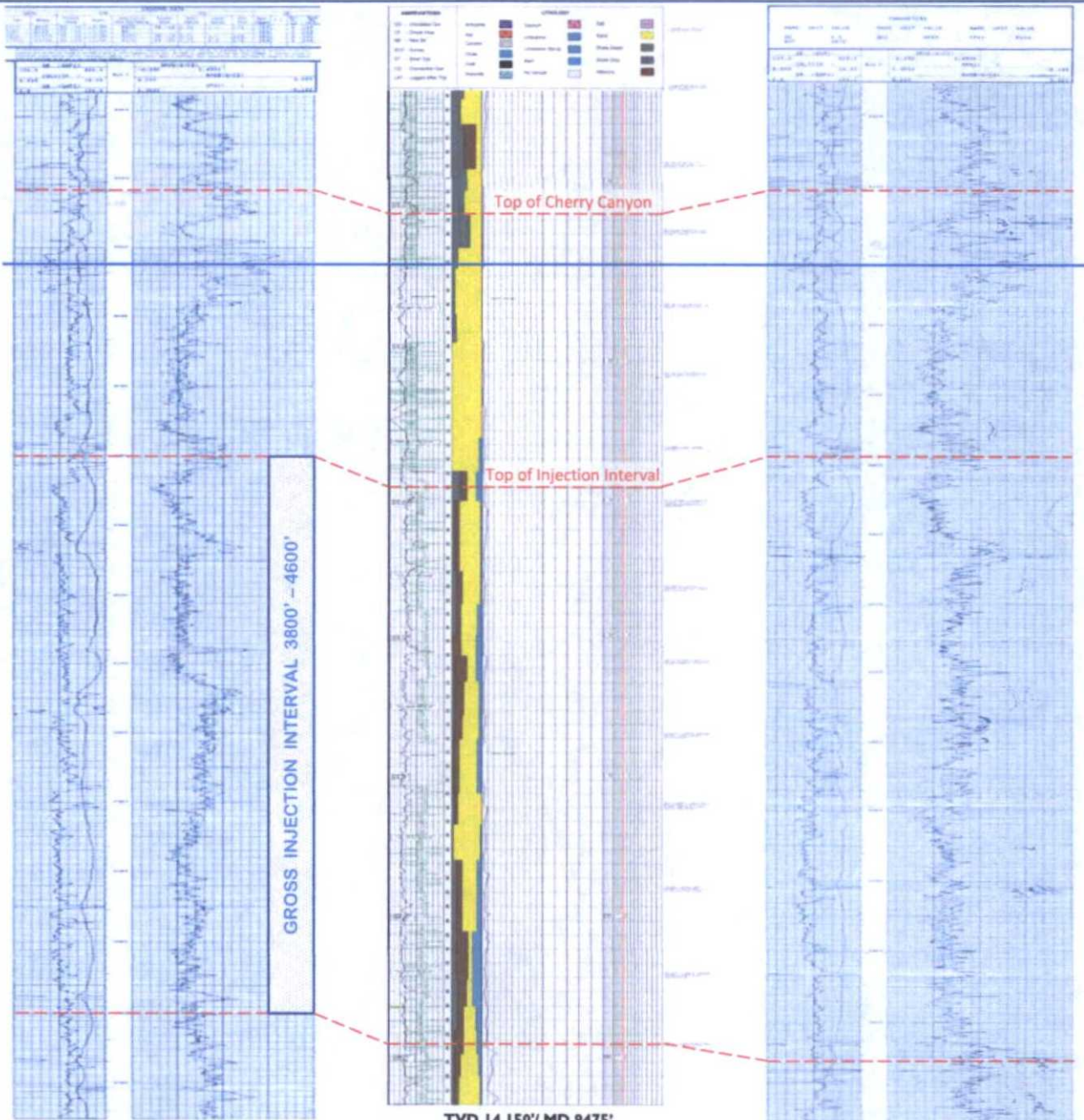


**A. Kirkes Well No.1**  
API No. 30-015-23299  
2080' FSL & 1773' FEL  
Sec.10, Twp 24S, Rng 28 E  
Lat. 32.231166 Long. -104.0726852

**B. Guitar 10 24S 28E RB Well No.202H**  
API No. 30-015-42660  
1733' FNL & 204' FEL  
Sec.10, Twp 24S, Rng 28 E  
Lat. 32.2350949, Long. -104.06760727

**C. Guitar 10 Well No.1**  
API No. 30-015-23099  
660' FNL & 2310' FEL  
Sec.10, Twp 24S, Rng 28 E  
Lat. 32.2380753, Long. -104.0744095

500' Subsea



DTD 12,800'

TYD 14,150' MD 9475'

DTD 12,210'

# Addendum to Original Filing

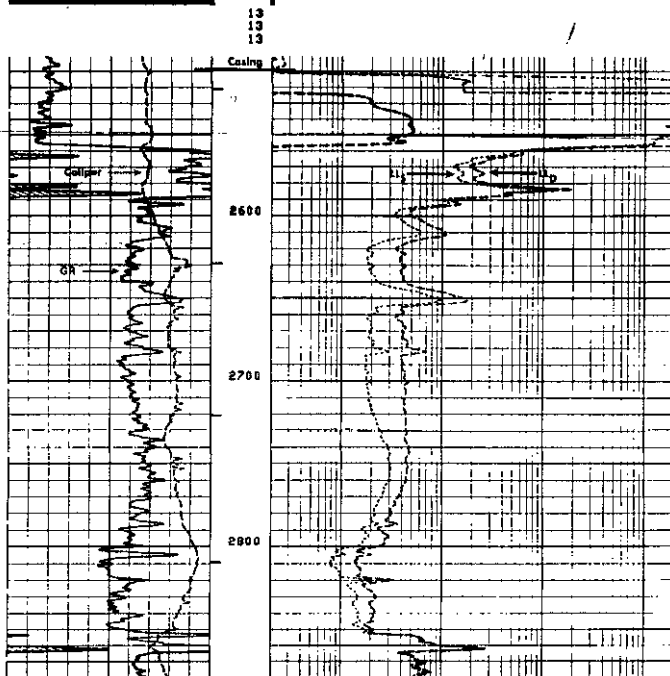
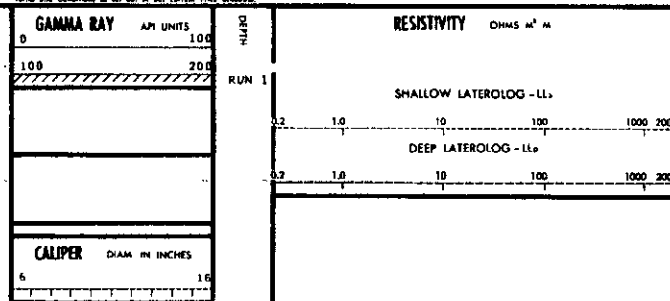
# DLL RESISTIVITY LOG W/ TOP OF CHERRY CANYON AND FULL INTERVAL

Page 1

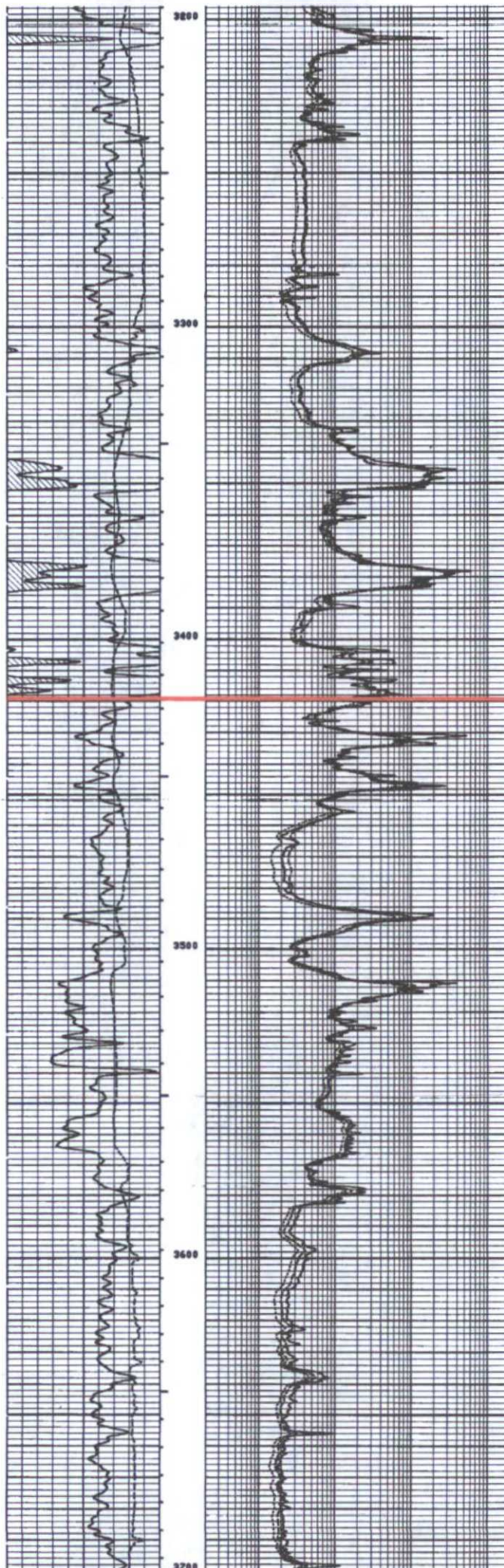
[illegible]

FOLD HERE		The well name, location and borehole reference data were furnished by the customer.			
Run No.	ONE	TWO	THREE	SCALE CHANGES	
Service Order No.	127813			Type Log	Depth
Fluid Level		FULL	FULL	Scale Up Hole	Scale Down Hole
Wellbore PPM CL	140000	85000	29000		
EQUIPMENT DATA					
Panel (DLP)	964	805	755		
Panel (SAP)	995	947	847		
Cartridge (DNC)		940	8067		
Cartridge (SRE)	1877	8141	8067		
Sonde (DLS)	821	987	8062		
Sonde (SRS)	1801	8141	8062		
Lower Electrode (DLE)					
Magnetostat Panel	1054	1057	431		
Depth Recorder (TTR)	965	1722	2733		
Depth Encoder (DRE)					
Pressure Wheel (CPW)					
Controls:	Type	CME-Z	CME-Z	NONE	
Rate	NO.	1	1		
Stimulus	NO.				
Initial or Home	NO.				
	NO. Inches				
CALIBRATION DATA					
GR	IRIG. CPS				
	Source CPS				
LOGGING DATA					
GA	Sensitivity	165			
	Scale 100 Ohm	0-100			
	1 C. sec				
Speed PPM	4.0				
BOTTOM HOLE TEMPERATURE					
Time Entering Hole	0930				
Time Bottom Reached	1009				
Time Lower DVI Bottom	1038				
Time Out of Hole	1530				
Distance TD to Ther.	3.8				
Thermometer #1	1.50 °F	°F	°F	°F	°F
Thermometer #2	1.50 °F	°F	°F	°F	°F
Thermometer #3		°F	°F	°F	°F
NEW FROM DRILL STEM TEST					
DSF #1 - Rev. @ 100 °F	DM	DM	DM	DM	DM
DSF #2 - Rev. @ 100 °F	DM	DM	DM	DM	DM

All interpretations are opinions based on information from electrical or other measurements and on casing, and do not constitute the recovery of characteristics of any other formation and are shall not, except in the case of gas or oil flow assignments or hole parts, be liable or responsible for any loss, costs, damages or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to Clause 6 of our General Conditions of Service and are not covered from liability.



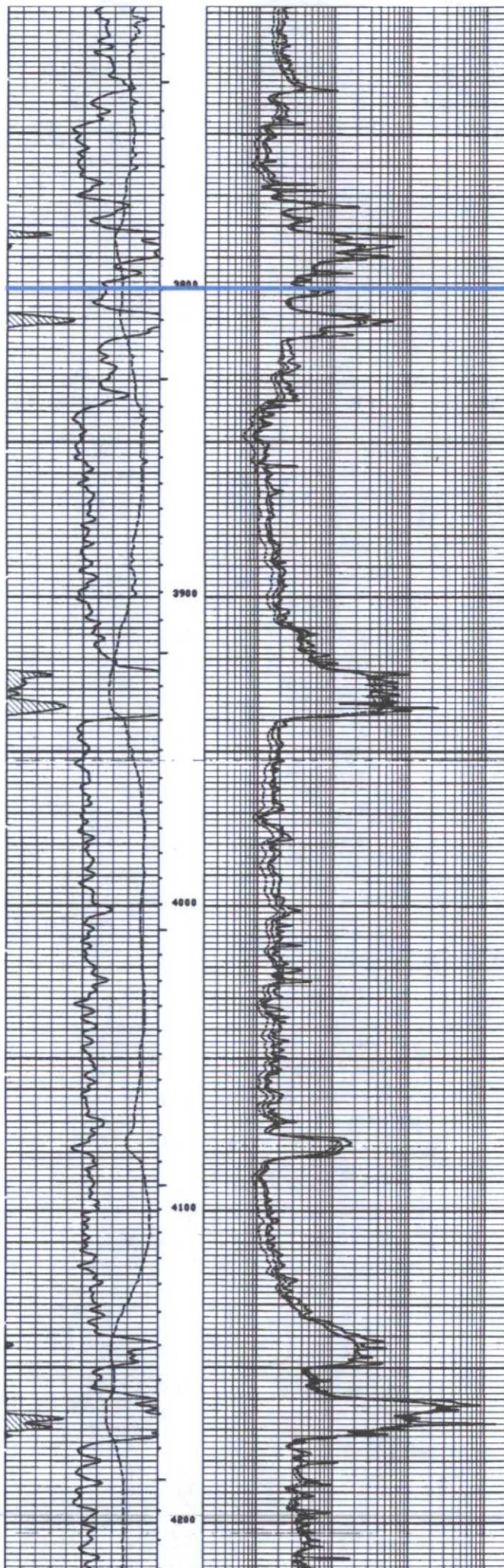




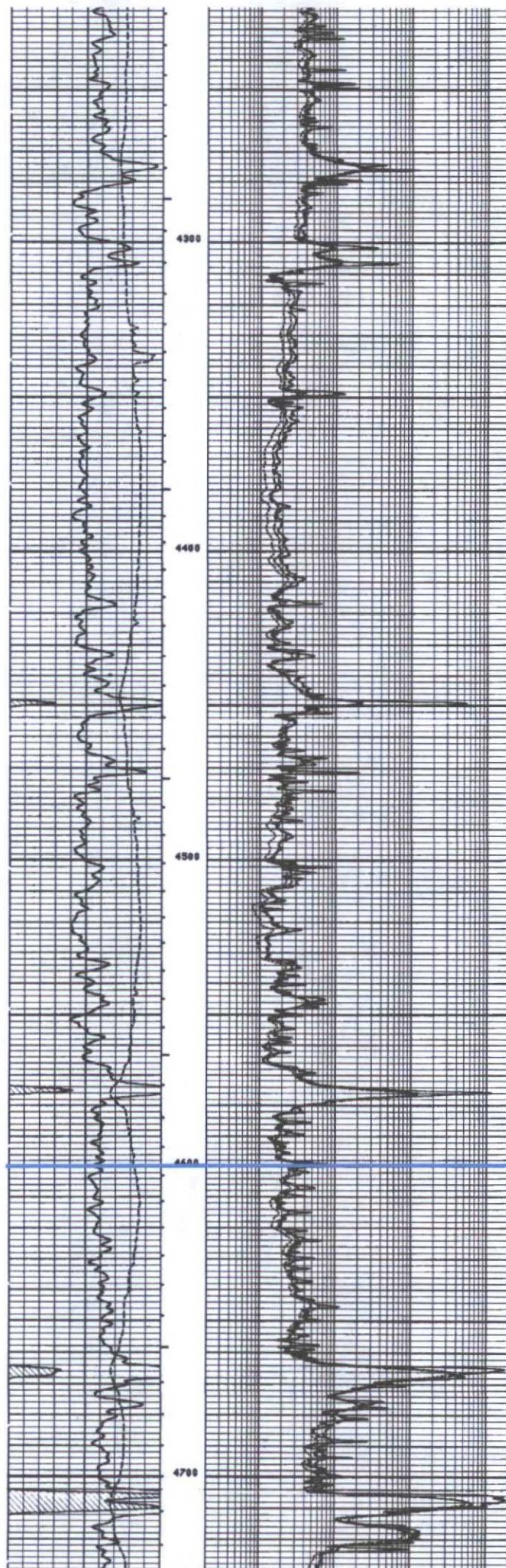
Top of  
Cherry Canyon  
3420'



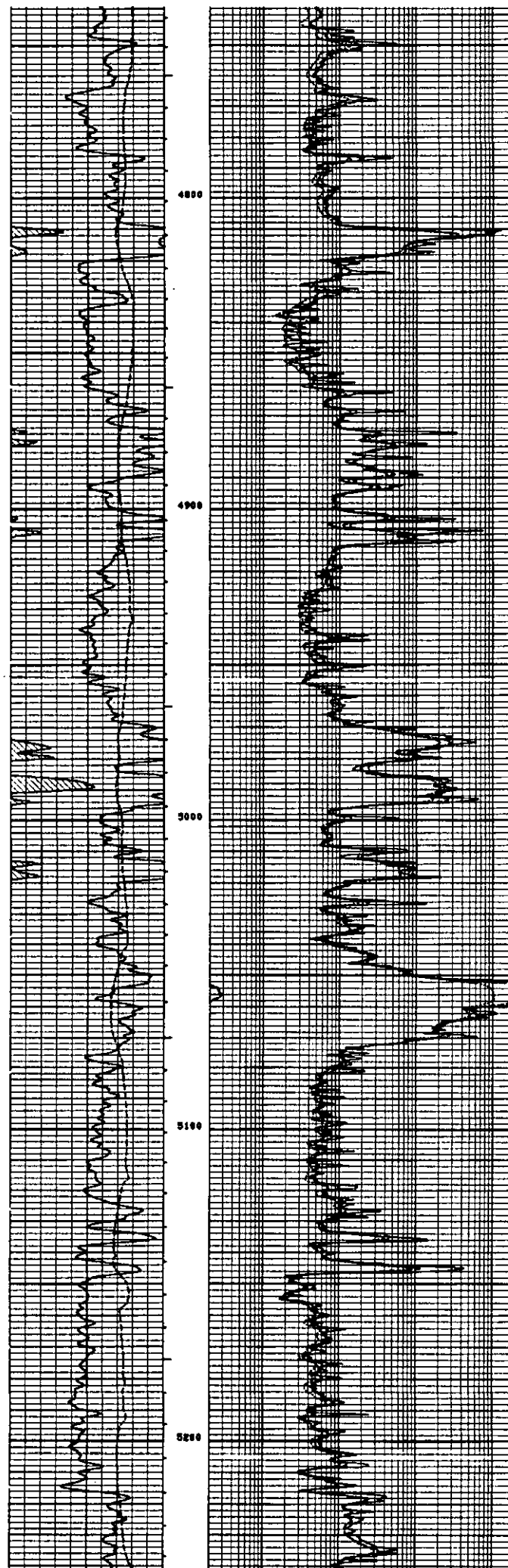
**Top of Injection  
Interval 3800'**  
(Gross Interval;  
Selective Perfs to be  
determined.)







**Bottom of  
Injection  
Interval 4600'**

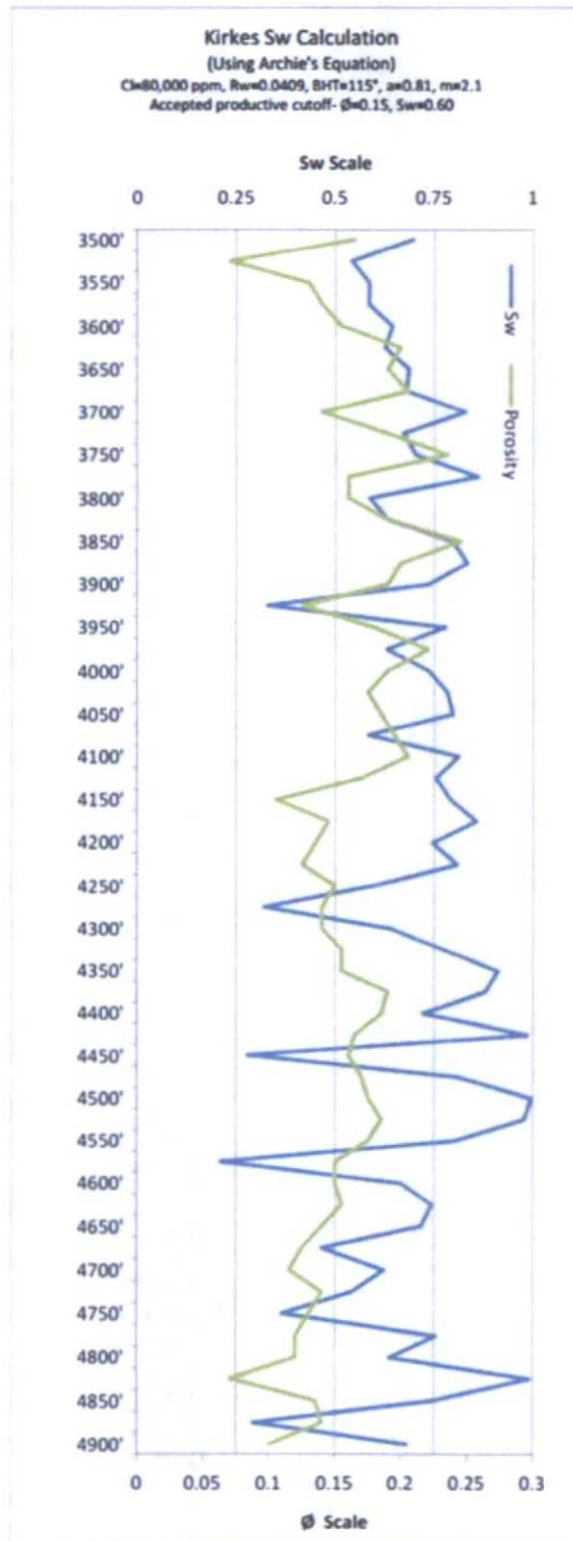


## C-108 ITEM VIII – GEOLOGIC INFORMATION

Addendum to Original C-108 Filing for the  
Kirkes SWD No.1; Guardian Operating Corp.

### Water Saturation Strip Chart

(Data pages follow.)



## Kirkes Sw Calculations, using Archie's Equation

*Cl=80,000 ppm,  $R_w=0.0409$ ,  $BHT=115^\circ$ ,  $a=0.81$ ,  $m=2.1$*

*Accepted productive cutoff-  $\phi=0.15$ ,  $S_w=0.60$*

Depth	Porosity	Rt	Sw
3500'	0.165	3	0.696924
3525'	0.07	30	0.542239
3550'	0.13	7	0.586023
3575'	0.14	6	0.585591
3600'	0.155	4	0.644504
3625'	0.1995	2.5	0.625452
3650'	0.19	2.3	0.686355
3675'	0.205	2	0.679591
3700'	0.14	3	0.82815
3725'	0.19	2.4	0.671904
3750'	0.235	1.4	0.703751
3775'	0.16	2.1	0.860337
3800'	0.16	4.5	0.587722
3825'	0.19	2.7	0.633477
3850'	0.245	1	0.797039
3875'	0.2	1.4	0.833602
3900'	0.19	2	0.736034
3925'	0.125	24	0.329794
3950'	0.18	2	0.779028
3975'	0.22	2	0.631023
4000'	0.19	2	0.736034
4025'	0.175	2.1	0.783077
4050'	0.185	1.8	0.79788
4075'	0.195	3	0.5848
4100'	0.205	1.4	0.812267
4125'	0.17	2.4	0.755139
4150'	0.105	6	0.7921
4175'	0.145	2.6	0.857395
4200'	0.135	4	0.745116
4225'	0.125	4	0.807828
4250'	0.15	5	0.596655
4275'	0.14	20	0.320741
4300'	0.14	5	0.641482
4325'	0.155	2.8	0.77033
4350'	0.155	2	0.911467
4375'	0.19	1.4	0.879729
4400'	0.185	2.2	0.72171
4425'	0.165	1.5	0.985599
4450'	0.16	20	0.278781

4475'	0.17	2.1	0.807278
4500'	0.175	1.3	0.995274
4525'	0.185	1.2	0.977199
4550'	0.175	2	0.802415
4575'	0.15	40	0.210949
4600'	0.15	4	0.667081
4625'	0.155	3	0.74421
4650'	0.14	4	0.717199
4675'	0.125	12	0.466399
4700'	0.115	8	0.623486
4725'	0.14	7	0.542152
4750'	0.13	18	0.36545
4775'	0.12	5	0.754187
4800'	0.12	7	0.637404
4825'	0.07	9	0.989988
4850'	0.135	4	0.745116
4875'	0.14	24	0.292795
4900'	0.1	9	0.680743



# EXHIBIT 5

Page 1



711 WEST 10TH STREET, RESERVE, LA.

Five Inch Log: 5n= 100ft

Measured Depth

261'-14150

12/3/14-12/26/14

COMPANY :	Matador Production Company	API:	30015426600000
WELL:	GUITAR 10-24S-28E RB 202H	RIG:	Patterson 203
FIELD:	WILDCAT	SUPERVISOR:	PETE CANALAS
REGION:	Delaware Basin	CREW:	VERA T/ TANNA M.
COUNTY	EDDY	UNIT:	Port-18
STATE:	Texas	CO. REP(S):	RON SCHITOSKEY/ GARY WHETSINE
RKB ELE:	3029'	SPUD DATE:	12/3/14

## ABBREVIATIONS

CO - Circulated Out  
CF - Check Flow  
NB - New Bit  
SVY - Survey  
ST - Short Trip  
CG - Connection Gas  
LAT - Logged After Trip

## LITHOLOGY

Anhydrite		Gypsum		Salt	
Ash		Limestone		Sand	
Cement		Limestone Sandy		Shale Green	
Chalk		Marl		Shale Grey	
Coal		No sample		Siltstone	
Dolomite					

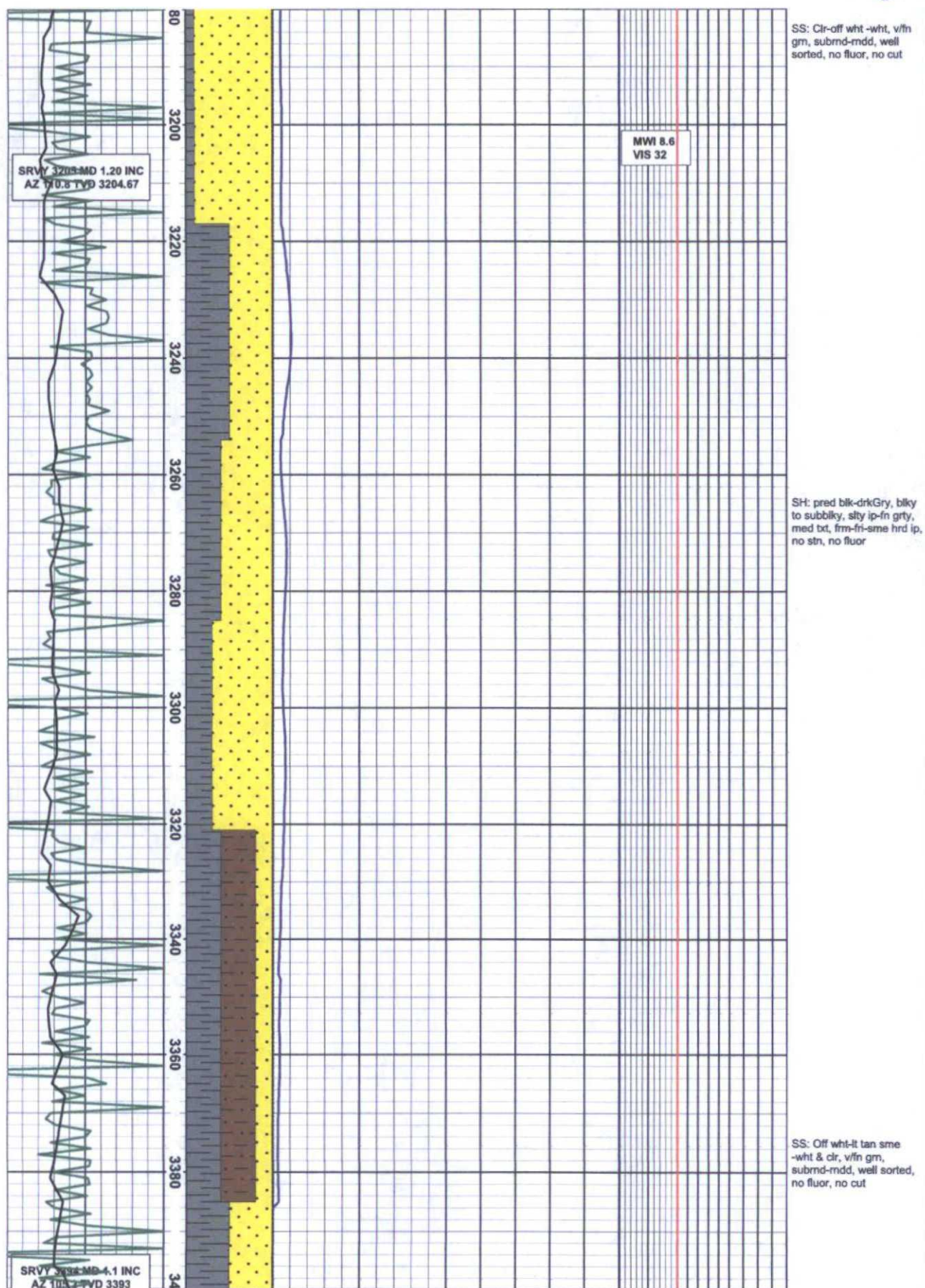
## MODIFIERS

Anhydritic   
Argillaceous   
Calcareous   
Carbonaceous   
Cherty   
Conglomeratic   
Dolomite Stringer   
Dolomitic   
Fossiliferous   
Marly   
Micaceous   
Pyritic   
Sandy   
Stylolitic

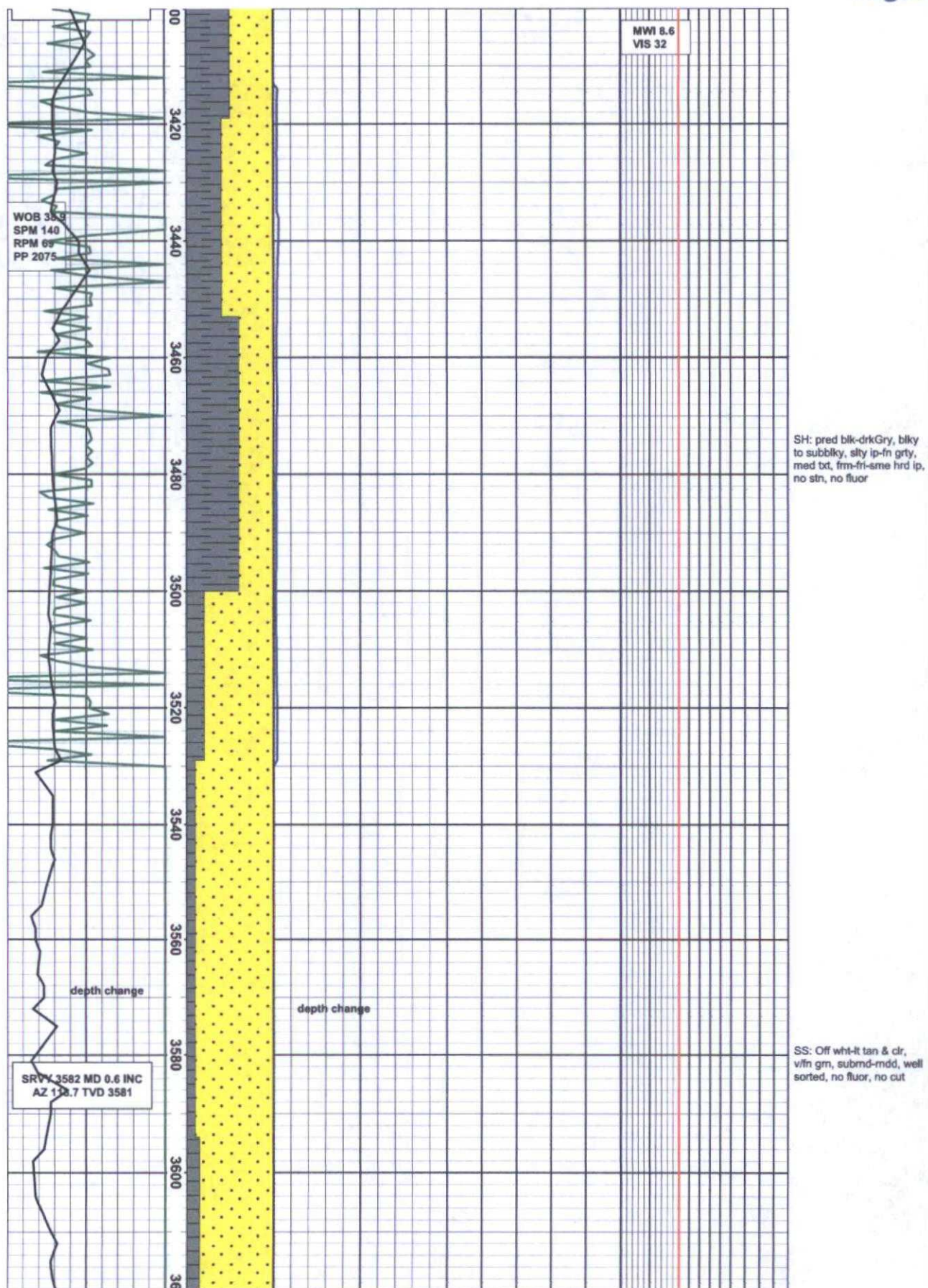
## SYMBOLS

Core (Recovered)		Sample Quality Good	
Core (Lost)		Sample Quality Fair	
Casing Shoe		Sample Quality Poor	
SWC (None)		Gas Show (Fair)	
SWC (Recovered)		Gas Show (Good)	
		Gas Show (Moderate)	
		Gas Show (Poor)	
		Oil Show (Fair)	
		Oil Show (Good)	
		Oil Show (Moderate)	
		Oil Show (Poor)	

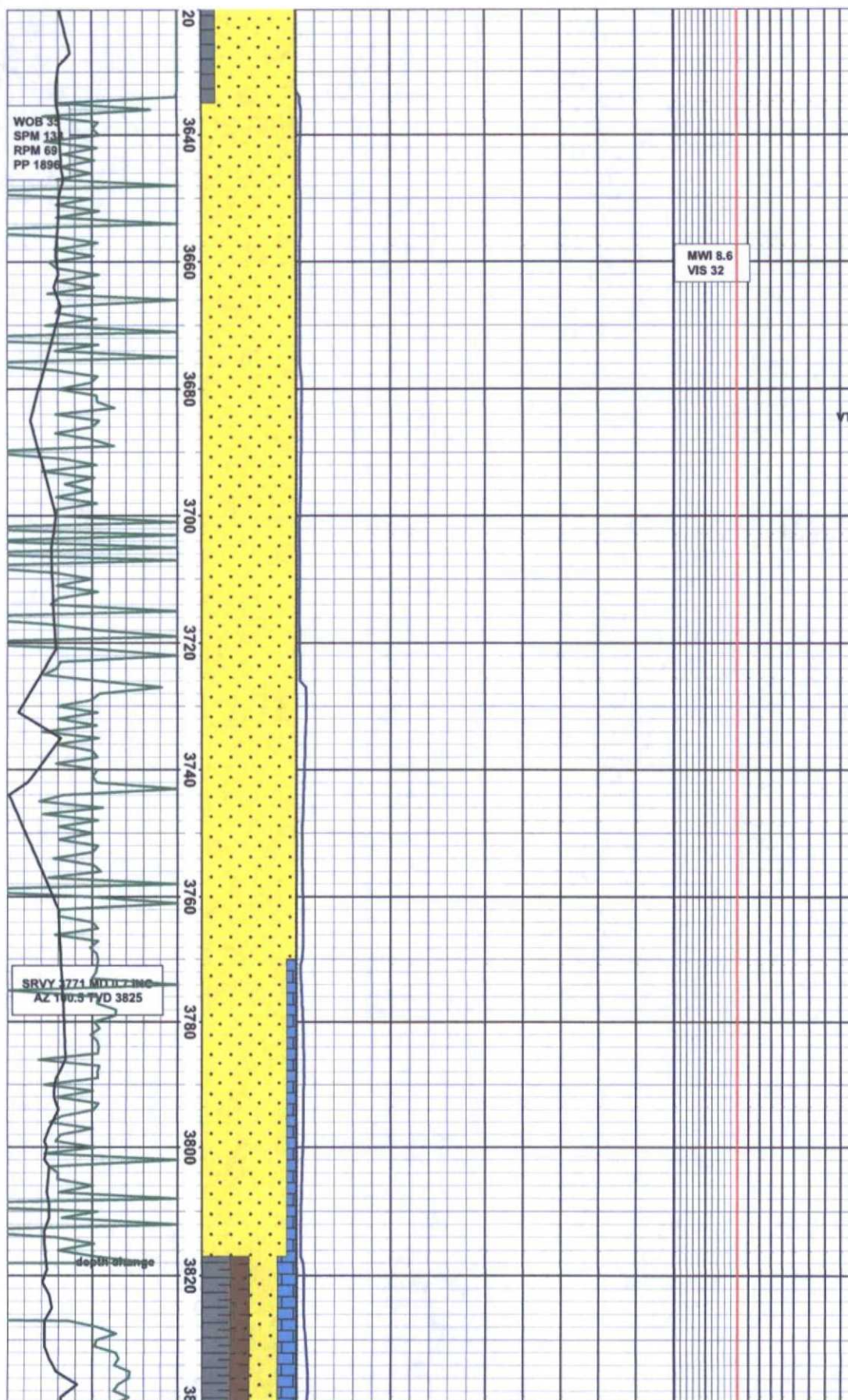
ROP / Gamma	Lithology	Total Gas / Chrom.	Cuttings Chrom.	Calc	Fluor	Oil	Remarks
ROP		Total Gas	Ethane	Casing	Fluor	Oil Cut	
500 Ft/Hr		Units 500 100	%	0300 PSI	00 units 50	units 20	
MWD Gamma		Methane	Normal Butane	CALC			
0 API 300		ppm 1000000	% 1000	% 100			
		Ethane	Iso Pentane				
		ppm 300000	% 100				







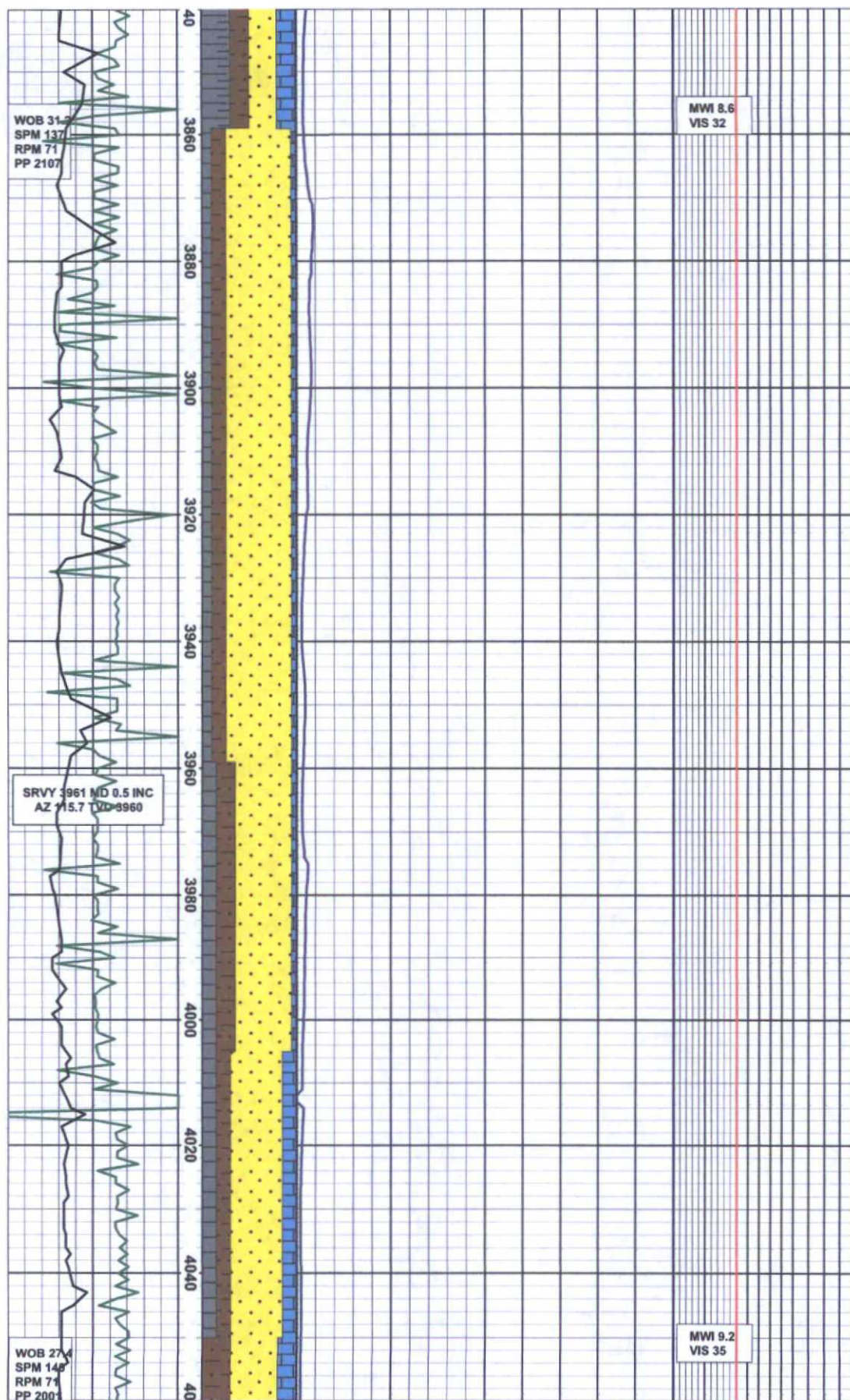




SS: Lt tan-sme off wht & dr, vfn gm, submd-mdd, well sorted, no fluor, no cut

LS: Milky - Wh - vltGy, subspit, micdn to vfrdn, frm to fri.

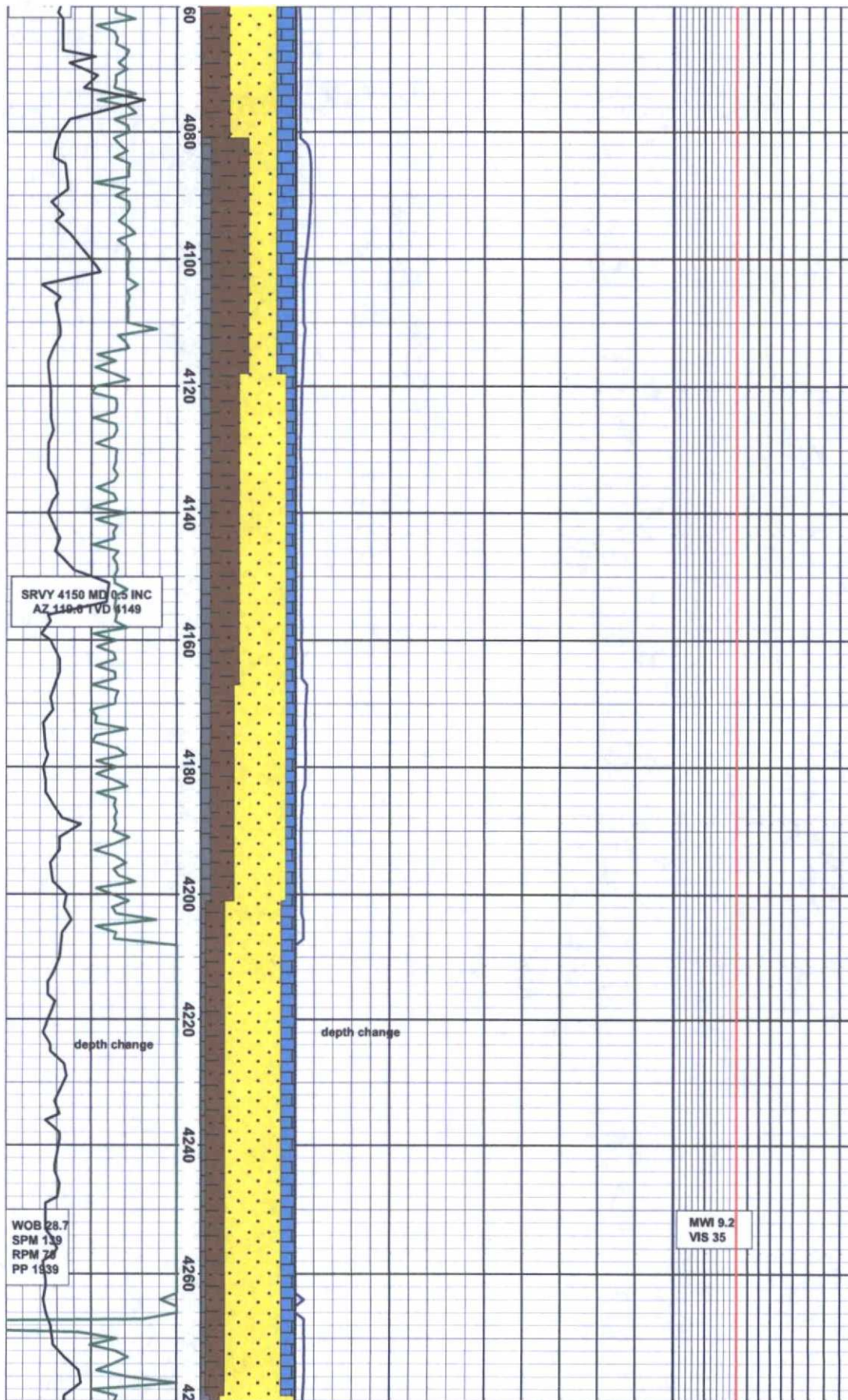




SLT: modBn - meddrkGy,  
w cons, v/fn to fn gm,  
subang to submd, w srtid,  
calc to scat arg cmt, tr  
imbd PYR.

SH: drkGy - medGy,  
subbiky to blkky, f to grty to  
silty btl, frm to brit, tr imbd  
microxln PYR.

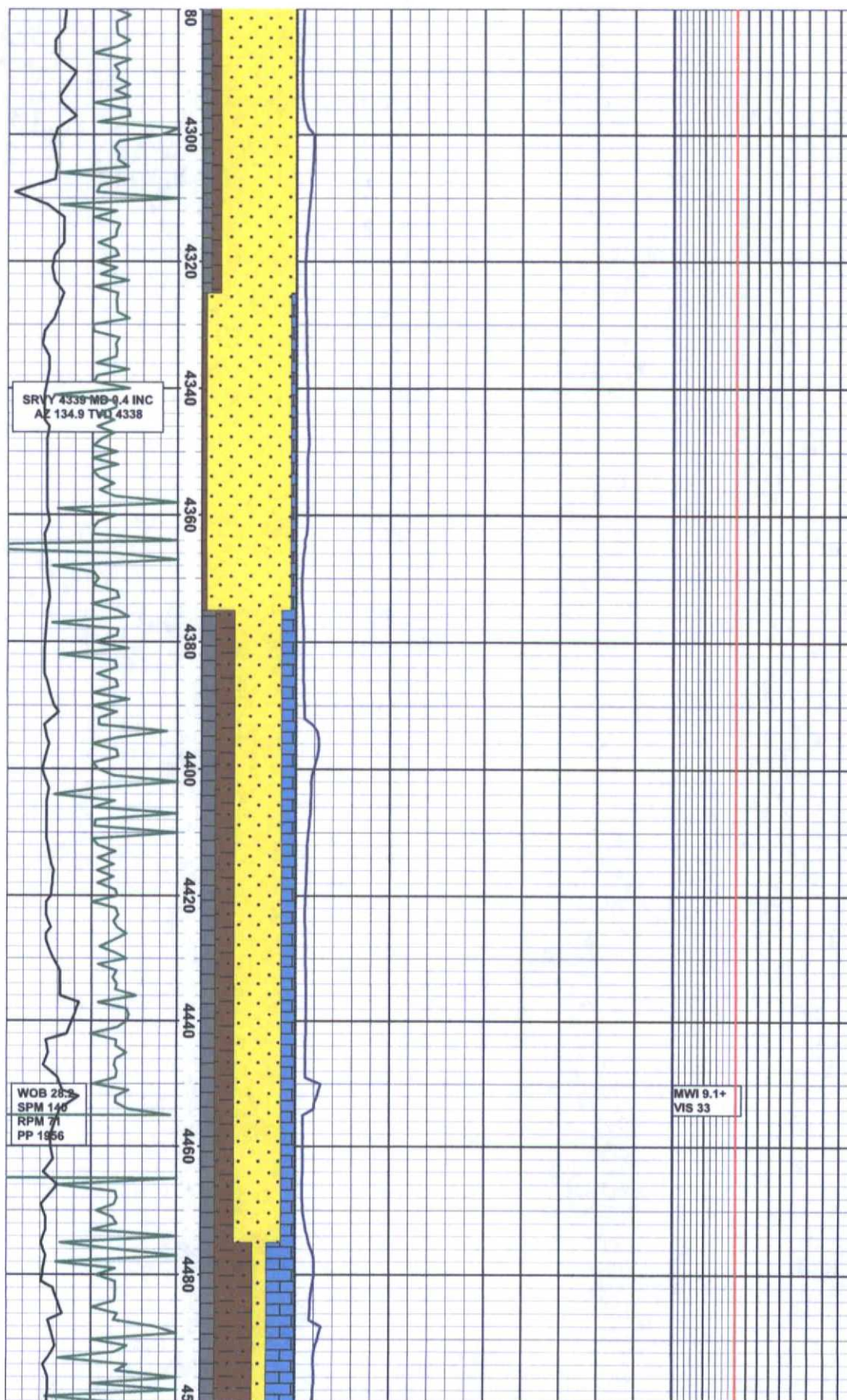




SS: tn- off wht- lt gy & clr,  
v/fn gm, submd-mdd, well  
sorted, no fluor, no cut

SH: ltGy - medGy, subblky  
to blkly, f to grty to scat rgh  
bt, frm to hd, tr imbd  
microxln PYR.

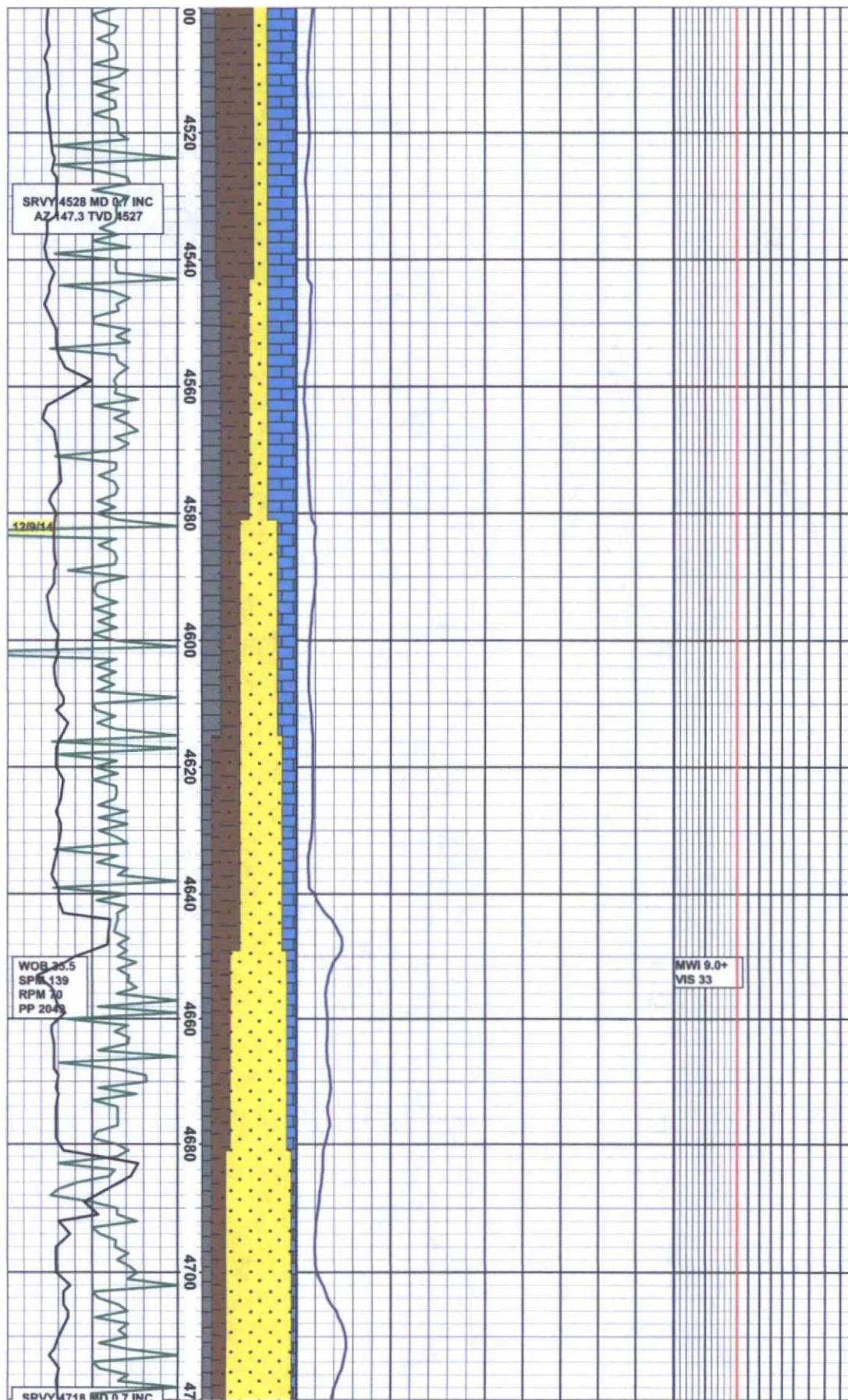




SLT: modBn - meddrkGy -  
occ brnhy, w cons, v/fn to  
fn gm, subang to submd,  
w srtd, calc to scat arg  
cmt, tr imbd PYR.

LS: Wh - v/ltGy - Milky,  
subbiky to tr subspit,  
micdn to v/fxn, frm to scat  
fri, tr imbd PYRC spec.





SH: ltGy - medGy, subblky  
to blk, f to grty to scat rgh  
xt, frm to hd, tr imbd  
microin PYR.

SS: tn- off wht- lt gy & cl,  
v/fn gm, submd-mdd, well  
sorted, no fluor, no cut

## EXHIBIT 6

# MRC Permian Company

One Lincoln Centre • 5400 LBJ Freeway • Suite 1500 • Dallas, Texas 75240  
Voice 972.371.5273 • Fax 214.866.4883  
[vsingleton@matadorresources.com](mailto:vsingleton@matadorresources.com)

---

**Van H. Singleton, II**  
**Executive Vice President--Land**

January 19, 2016

Guardian Operating Corporation  
Attn: Mr. Randy S. Cate  
6824 Island Circle  
Midland, TX 79707

**Re: Letter Agreement for the Kirkes Com #1 well, API #- 30-015-23299 located in Section 10, Township 24 South, Range 28 East, Eddy County, New Mexico (the "Kirkes Well") and the Craft #1 well, API #30-15-2412 located in Section 13, Township 24 South, Range 28 East, Eddy County, New Mexico (the "Craft Well" and collectively with the Kirkes Well the "SWD Well(s))"**

Dear Randy:

MRC Permian Company and its operating affiliate Matador Production Company ("Matador") understand that Guardian Operating Corporation ("Guardian") is in the process of filing for permits with the New Mexico Oil Conservation Division to convert the Kirkes Well and the Craft Well to salt water disposal wells. Guardian has requested that Matador waive objection to said permits. Matador agrees to grant a waiver on the following terms and conditions:

- The permit for the Kirkes Well will have an injection interval depth of 3800' to 4600'; and
- The permit for the Craft Well will have an injection interval depth of 3800' to 4500'; and
- The SWD Well permits will be in accordance with the rules and regulations of the State of New Mexico; and
- Guardian agrees to work with Matador, and if Matador requests Guardian shut-in the SWD Wells to reduce interference with any of its drilling or completion operations, then Guardian will do so.

Please indicate your agreement with the terms and conditions outlined above by signing below and executing below. After Matador has received your acceptance, Matador will sign the waiver

attached hereto as "Exhibit A" (the "Waiver") for the SWD Well permits contemplated herein. In the case of a conflict between the provisions of the Waiver and the provisions of this Letter Agreement, the provisions of the Letter Agreement shall control.

Sincerely,



Van H. Singleton, II  
Executive Vice President of Land

AGREED AND ACCEPTED THIS THE 19<sup>th</sup> DAY OF JANUARY, 2016.

RSC RESOURCES, LP

By: Cogent Energy, Inc., its General Partner

By: 

Name: RANDALL CATE

Title: PRESIDENT

GUARDIAN OPERATING CORPORATION

By: 

Name: RANDALL CATE

Title: PRESIDENT

# MITCHELL ANALYTICAL LABORATORY

2638 Faudree  
Odessa, Texas 79765-8538  
561-5579

## EXHIBIT 7 Additional Analysis Wolfcamp Water

Company: **WadeCo Specialties, LLC**

Well Number: Marra  
Lease: Guardian  
Location: WC17689  
Date Run: 12/9/2013  
Lab Ref #: 13-dec-h13087

Sample Temp: 70  
Date Sampled: 11/25/2013  
Sampled by: Wade Havens  
Employee #:   
Analyzed by: GR

### *Dissolved Gases*

		Mg/L	Eq. Wt.	MEq/L
Hydrogen Sulfide	(H <sub>2</sub> S)	.00	16.00	.00
Carbon Dioxide	(CO <sub>2</sub> )	<b>NOT ANALYZED</b>		
Dissolved Oxygen	(O <sub>2</sub> )	<b>NOT ANALYZED</b>		

### *Cations*

Calcium	(Ca++)	3,867.24	20.10	192.40
Magnesium	(Mg++)	570.96	12.20	46.80
Sodium	(Na+)	34,145.34	23.00	1,484.58
Barium	(Ba++)	<b>NOT ANALYZED</b>		
Manganese	(Mn+)	1.72	27.50	.06
Strontium	(Sr++)	<b>NOT ANALYZED</b>		

### *Anions*

Hydroxyl	(OH-)	.00	17.00	.00
Carbonate	(CO <sub>3</sub> =)	.00	30.00	.00
BiCarbonate	(HCO <sub>3</sub> -)	73.32	61.10	1.20
Sulfate	(SO <sub>4</sub> =)	126.00	48.80	2.58
Chloride	(Cl-)	61,067.10	35.50	1,720.20
Total Iron	(Fe)	2.59	18.60	.14
Total Dissolved Solids		99,854.27		
Total Hardness as CaCO <sub>3</sub>		12,009.04		
Conductivity MICROMHOS/CM		141,300		

pH	7.160	Specific Gravity 60/60 F.	1.069
----	-------	---------------------------	-------

CaSO<sub>4</sub> Solubility @ 80 F. 44.26MEq/L, CaSO<sub>4</sub> scale is unlikely

### *CaCO<sub>3</sub> Scale Index*

70.0	-.135	100.0	.185	130.0	.775
80.0	-.025	110.0	.425	140.0	.775
90.0	.185	120.0	.425	150.0	1.115

*WadeCo Specialties, LLC*

# APPLICATION PROTESTED

Applicant: Guardian Operating

Application Type: SWD

Well Name: Kirkas Com #1 API: 30-015-23299

① R. Morales

Protestant: ② Mawbourne

① 03/04/2016

Date Protest Received: ② 03/08/2016

Notification of Applicant: 03/09/2016 (single e-mail)

Resolution: ☐ Hearing ☐ Negotiation ☐ Withdrawn

Copy to Technical Reviewer:

**C-108 ITEM VIII – GEOLOGIC INFORMATION**

**Addendum to Original C-108 Filing for the  
Kirkes SWD No.1; Guardian Operating Corp.**

RECEIVED OCD

2016 MAR -4 P 3: 33

Issue

Upon initial review of the subject C-108 submitted on 2/19/16, Michael McMillan of the NMOCD Engineering Bureau requested additional information by the following statement in an email notification (2/26/16) to Ben Stone of SOS Consulting, agent for the applicant; *"Provide log analysis that between 3500 and 4900 feet. Your application by Randall Cate states that log analysis states low resistivity."*

Response

The interval requested for log analysis, 3500' to 4900' was mentioned as being the "general range" of the Cherry Canyon formation in this area. That depth range is valid (and approximate) for the area however; the top of the Cherry Canyon in the subject well is 3420' with the requested interval is wholly contained within this formation. This is the interval recognized by Guardian Operating and agreed to by Matador Production Company, one of the offset operators to the project.

A request was made to Roy Johnson, consulting geologist, (Montrose, Colorado) for additional log analysis of the subject interval from 3800' to 4600'. Mr. Johnson reviewed the two logs on file for the well and available on OCD Online. The logs are 1) a compensated neutron/ formation density and, 2) a [simultaneous] dual laterolog/micro SFL.

Mr. Johnson stated; I agree with the initial analysis provided in your application however; I would add that low resistivity yielding high water saturation and is also indicative of low permeabilities. The CNFD log shows porosity values (uncorrected) of 20% through this interval and I would propose to perforate these zones with 1 or 2 shots per foot.

*Addendum to Original C-108, page 2*

Intervals of interest are as follows:

3840'-82', 4050'-75', 4085'-4115', 4310'-12', and 4370'-90'.

We would however, reserve the right to further analyze the data and the applicant determine their own specific perforations as originally requested between a maximum top of 3800' and a maximum bottom of 4600'.

Mr. Johnson was not asked to select perforated intervals and provided them as an opinion of his overall interpretation of the data.

Mr. Randy Cate, principal of Guardian Operating Corp. and a reservoir engineer, will make the determination based on his experience and the additional information provided herein including his calculations of water saturation across the interval using Archie's Equation. These data are provided and also presented as a strip chart for quick evaluation.

Mr. John Worral, PG, (Roswell, New Mexico) concurred with Mr. Cate's analysis.

With the additional evaluation provided here, we believe the geological data and assessment for this application to be appropriate and complete.

To support the above considerations, we have prepared several additional exhibits to be included in the final review and processing of the C-108 application. Those exhibits are listed on the next page.

Respectfully submitted on 3/03/16,

Ben Stone  
SOS Consulting, LLC, partner  
Agent for Guardian Operating, Corp.



**C-108 ITEM VIII – GEOLOGIC INFORMATION**

**Addendum to Original C-108 Filing**

**EXHIBITS**

1. Geologic Opinion;  
*Additional text from Mr. Randy Cate*

2. Cross-Section of Cherry Canyon SWD Interval

3. Dual Laterolog (Resistivity) Log Strip

4. Water Saturation Strip Chart;  
*With Data Table*

5. Offset Well Mudlog;  
*Guitar 10 24S 28E RB No.202H*

6. Matador Producing Co. Waiver Agreement;  
*For Specified Injection Interval*

7. Additional Water Analysis  
*Wolfcamp*

## **C-108 ITEM VIII – GEOLOGIC INFORMATION**

### **Addendum to Original C-108 Filing**

## **EXHIBIT 1**

*Additional text from Mr. Randy Cate*

### Geologic Opinion

The Cherry Canyon in this area is generally 3500' to 4900'. There is no nearby commercial production. Log analysis in these intervals indicates low resistivity yielding high water saturations. See the attached calculation spreadsheet taken at every 25' from 3500'-4900'. Crain's Model is used to convert Chlorides to salinity and then to  $R_w$  at formation temperature.  $C$ ,  $m$ , and  $n$  are based on clean, consolidated sandstone. It should be noted that several shale zones happened to fall on the 25' interval and cause an erroneously low  $S_w$  due to the optimistic influence of the shale on the log porosity and consequently should be discounted. Otherwise virtually the entire Cherry Canyon calculates wet. A direct offset mud log from the Matador, Guitar 10-202H has no oil shows in the Cherry Canyon; thereby supporting the determination the Cherry Canyon is wet.

# Kirkes No.1 Proposed SWD – Guardian Operating Corp.

## STRATIGRAPHIC CROSS-SECTION for CHERRY CANYON SALT WATER DISPOSAL



**GAS (Shut-In)**  
Guardian Operating Corp.

2030'

**GAS (Active)**  
Matador Production Co.

2320'

**GAS (Shut-In)**  
Matador Production Co.

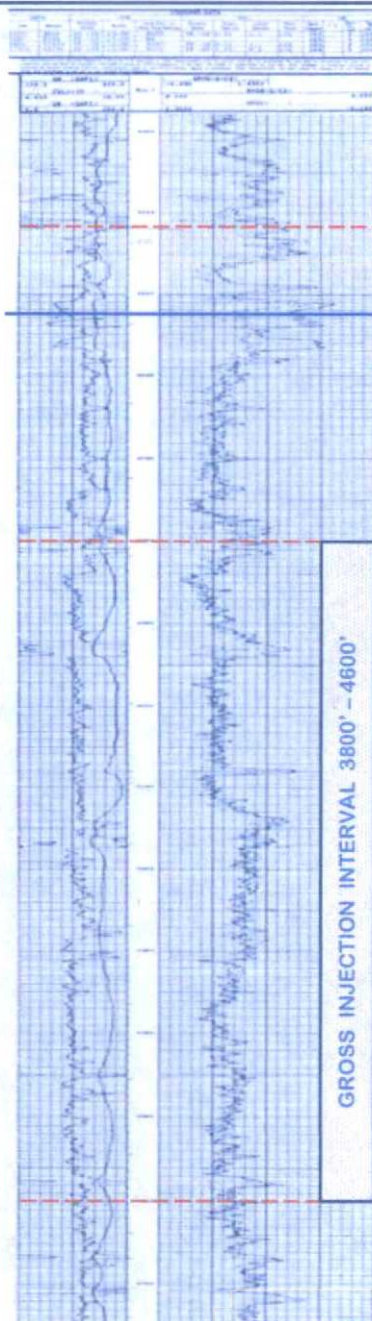


**A. Kirkes Well No.1**  
API No. 30-015-23299  
2080' FSL & 1773' FEL  
Sec.10, Twp 24S, Rng 28 E  
Lat. 32.231166 Long. -104.0726852

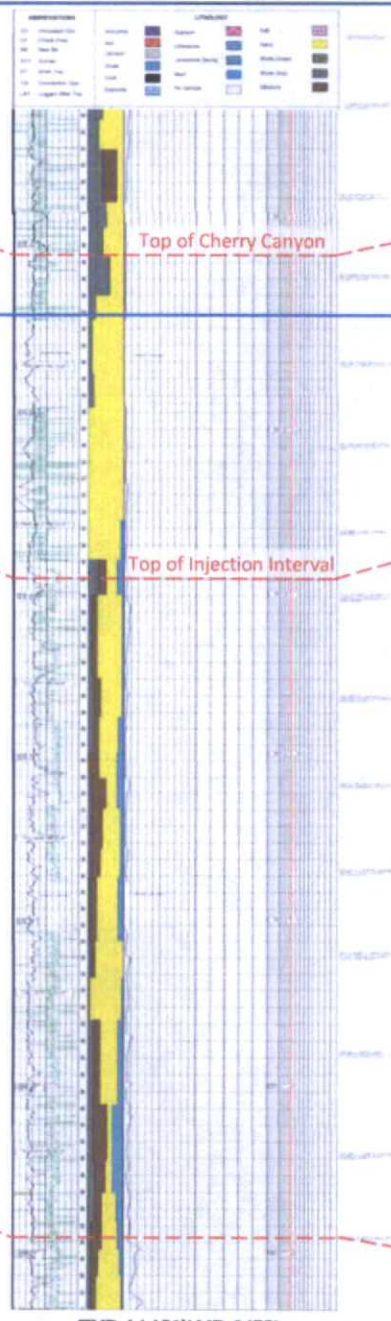
**B. Guitar 10 24S 28E RB Well No.202H**  
API No. 30-015-42660  
1733' FNL & 204' FEL  
Sec.10, Twp 24S, Rng 28 E  
Lat. 32.2350949, Long. -104.06760727

**C. Guitar 10 Well No.1**  
API No. 30-015-23099  
660' FNL & 2310' FEL  
Sec.10, Twp 24S, Rng 28 E  
Lat. 32.2380753, Long. -104.0744095

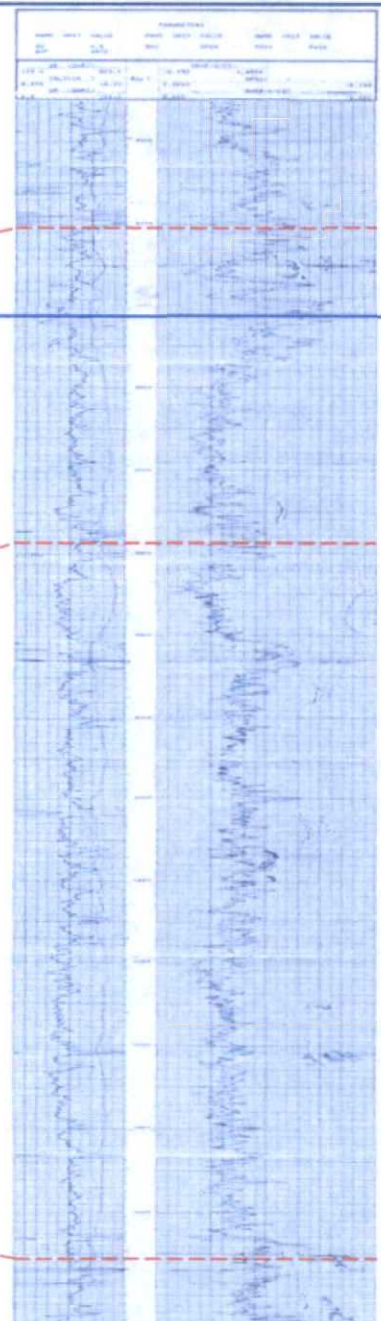
500' Subsea



DTD 12,800'



TVD 14,150' MD 9475'

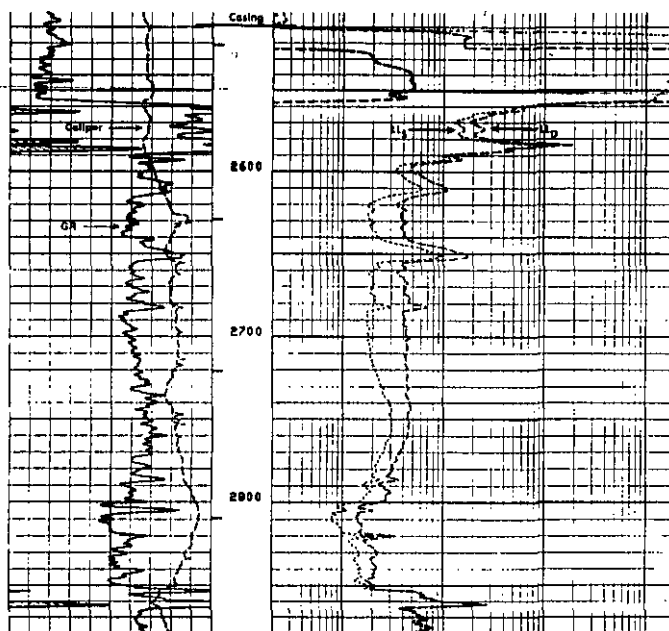


DTD 12,210'

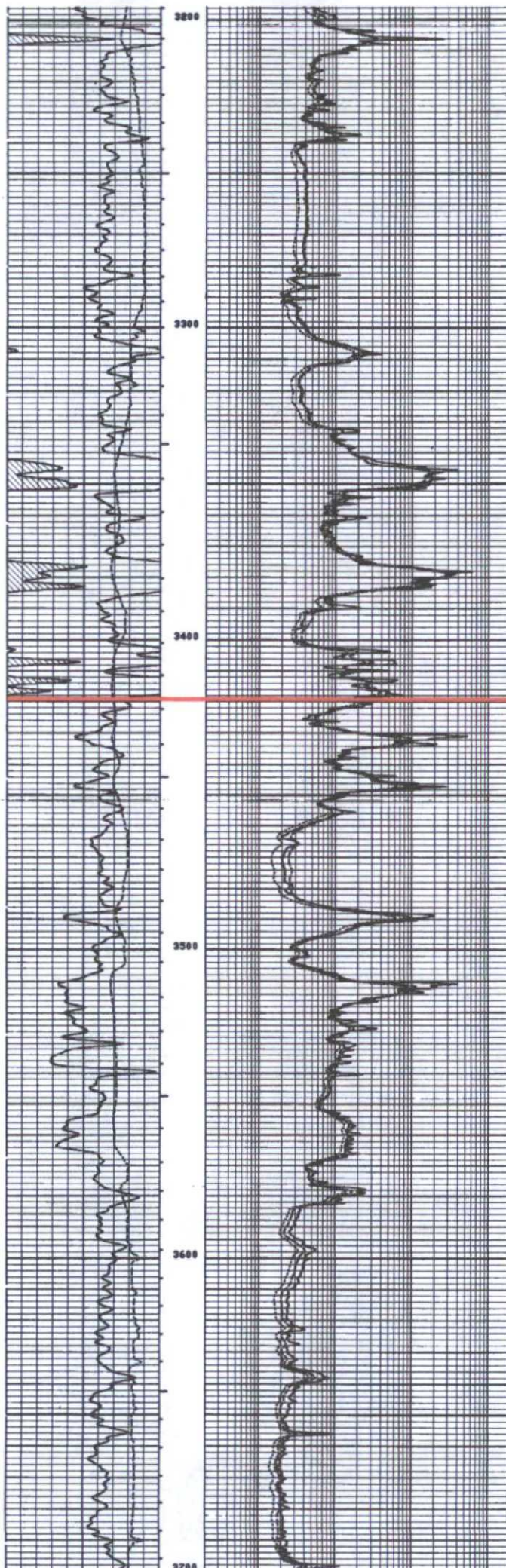
# Addendum to Original Filing

# DLL RESISTIVITY LOG W/ TOP OF CHERRY CANYON AND FULL INTERVAL

Page 1

[illegible]

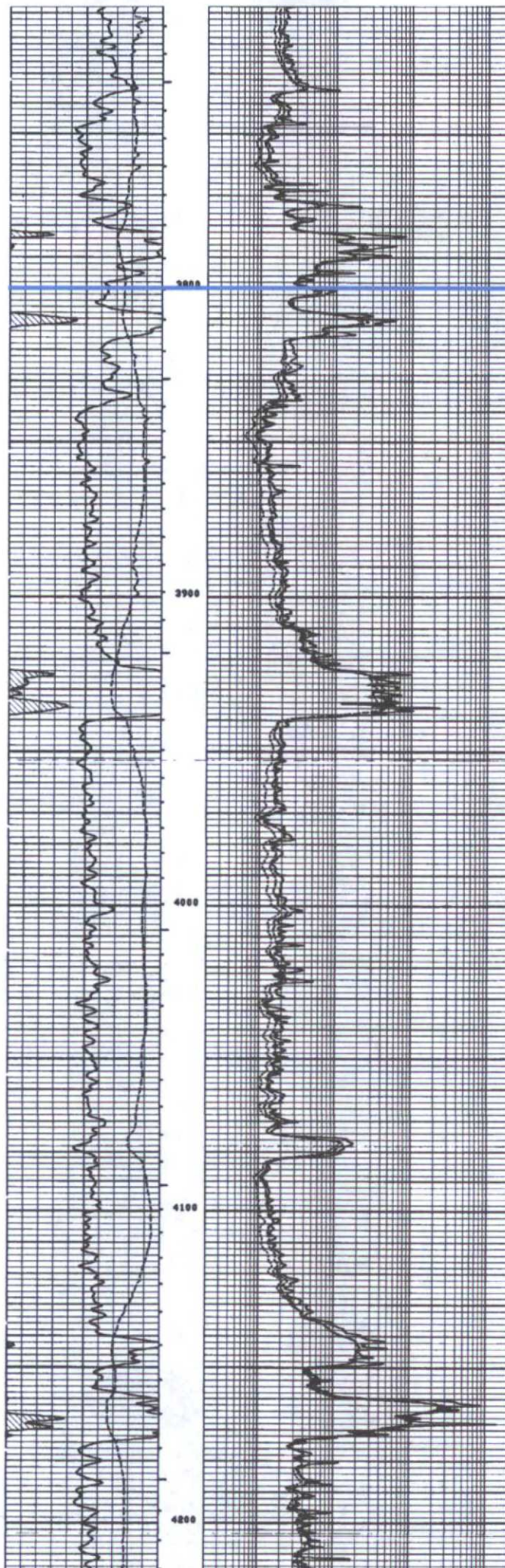




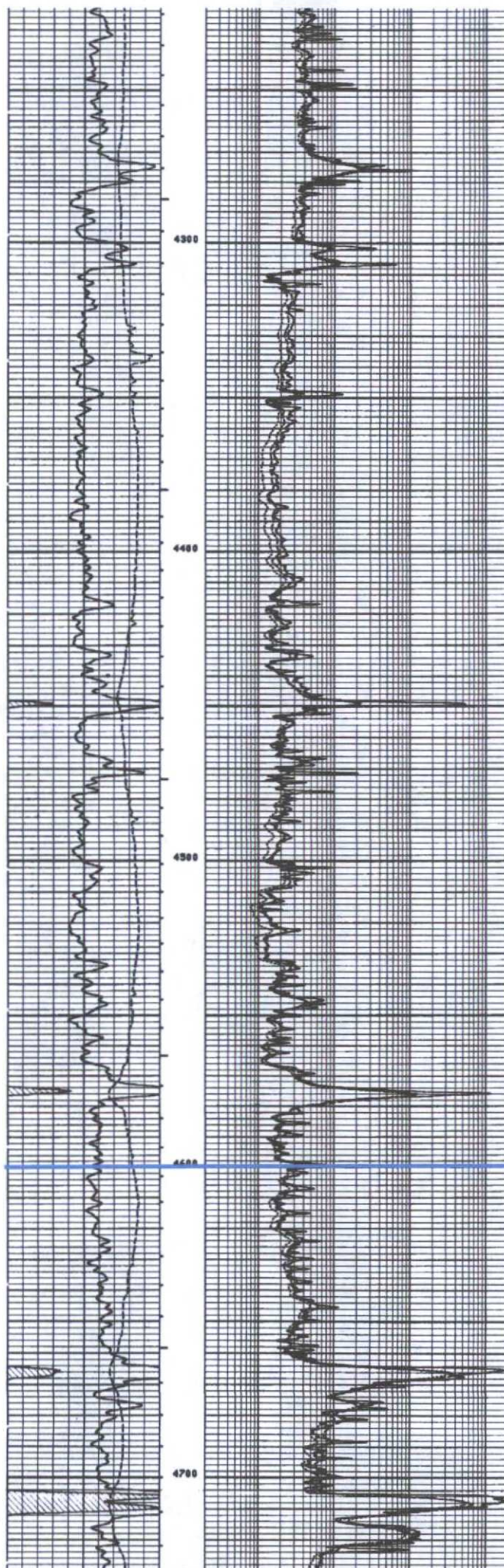
Top of  
Cherry Canyon  
3420'



**Top of Injection  
Interval 3800'**  
(Gross Interval;  
Selective Perfs to be  
determined.)

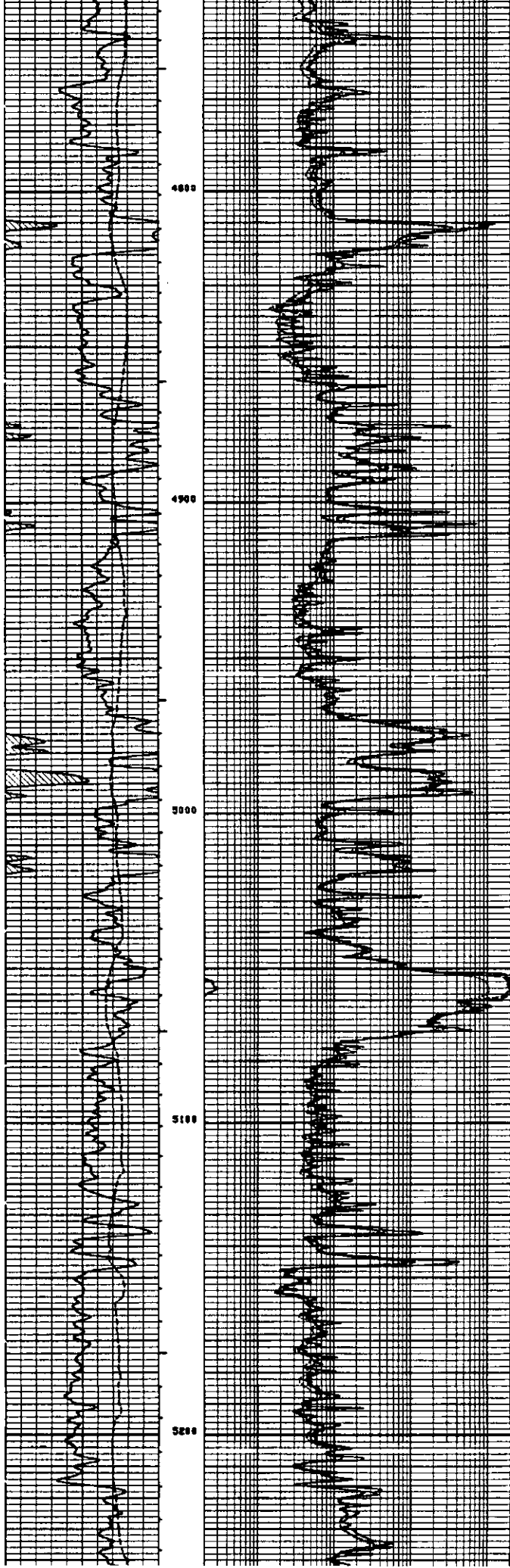






**Bottom of  
Injection  
Interval 4600'**



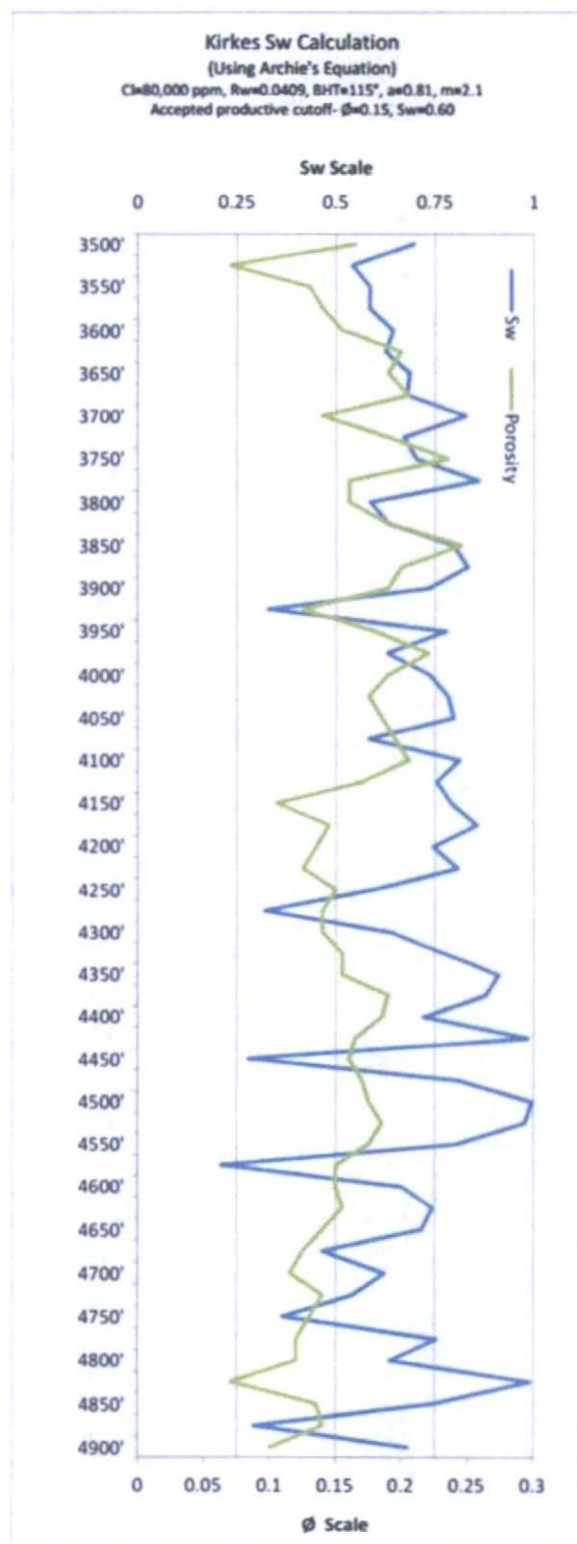


## C-108 ITEM VIII – GEOLOGIC INFORMATION

Addendum to Original C-108 Filing for the  
Kirkes SWD No.1; Guardian Operating Corp.

### Water Saturation Strip Chart

(Data pages follow.)



## Kirkes Sw Calculations, using Archie's Equation

*Cl=80,000 ppm, Rw=0.0409, BHT=115 °,  $\alpha=0.81$ ,  $m=2.1$*

*Accepted productive cutoff-  $\phi=0.15$ ,  $Sw=0.60$*

Depth	Porosity	Rt	Sw
3500'	0.165	3	0.696924
3525'	0.07	30	0.542239
3550'	0.13	7	0.586023
3575'	0.14	6	0.585591
3600'	0.155	4	0.644504
3625'	0.1995	2.5	0.625452
3650'	0.19	2.3	0.686355
3675'	0.205	2	0.679591
3700'	0.14	3	0.82815
3725'	0.19	2.4	0.671904
3750'	0.235	1.4	0.703751
3775'	0.16	2.1	0.860337
3800'	0.16	4.5	0.587722
3825'	0.19	2.7	0.633477
3850'	0.245	1	0.797039
3875'	0.2	1.4	0.833602
3900'	0.19	2	0.736034
3925'	0.125	24	0.329794
3950'	0.18	2	0.779028
3975'	0.22	2	0.631023
4000'	0.19	2	0.736034
4025'	0.175	2.1	0.783077
4050'	0.185	1.8	0.79788
4075'	0.195	3	0.5848
4100'	0.205	1.4	0.812267
4125'	0.17	2.4	0.755139
4150'	0.105	6	0.7921
4175'	0.145	2.6	0.857395
4200'	0.135	4	0.745116
4225'	0.125	4	0.807828
4250'	0.15	5	0.596655
4275'	0.14	20	0.320741
4300'	0.14	5	0.641482
4325'	0.155	2.8	0.77033
4350'	0.155	2	0.911467
4375'	0.19	1.4	0.879729
4400'	0.185	2.2	0.72171
4425'	0.165	1.5	0.985599
4450'	0.16	20	0.278781

4475'	0.17	2.1	0.807278
4500'	0.175	1.3	0.995274
4525'	0.185	1.2	0.977199
4550'	0.175	2	0.802415
4575'	0.15	40	0.210949
4600'	0.15	4	0.667081
4625'	0.155	3	0.74421
4650'	0.14	4	0.717199
4675'	0.125	12	0.466399
4700'	0.115	8	0.623486
4725'	0.14	7	0.542152
4750'	0.13	18	0.36545
4775'	0.12	5	0.754187
4800'	0.12	7	0.637404
4825'	0.07	9	0.989988
4850'	0.135	4	0.745116
4875'	0.14	24	0.292795
4900'	0.1	9	0.680743

# EXHIBIT 5

Page 1



711 WEST 10TH STREET, RESERVE, LA.

Five Inch Log: 5in= 100ft

Measured Depth

261'-14150

12/3/14-12/26/14

COMPANY :	Matador Production Company	API:	30015426600000
WELL:	GUITAR 10-24S-28E RB 202H	RIG:	Patterson 203
FIELD:	WILDCAT	SUPERVISOR:	PETE CANALAS
REGION:	Delaware Basin	CREW:	VERA T/ TANNA M.
COUNTY	EDDY	UNIT:	Port-18
STATE:	Texas	CO. REP(S):	RON SCHITOSKEY/ GARY WHETSINE
RKB ELE:	3029'	SPUD DATE:	12/3/14

## ABBREVIATIONS

CO - Circulated Out  
CF - Check Flow  
NB - New Bit  
SVY - Survey  
ST - Short Trip  
CG - Connection Gas  
LAT - Logged After Trip

## LITHOLOGY

Anhydrite		Gypsum		Salt	
Ash		Limestone		Sand	
Cement		Limestone Sandy		Shale Green	
Chalk		Marl		Shale Grey	
Coal		No sample		Siltstone	
Dolomite					

## MODIFIERS

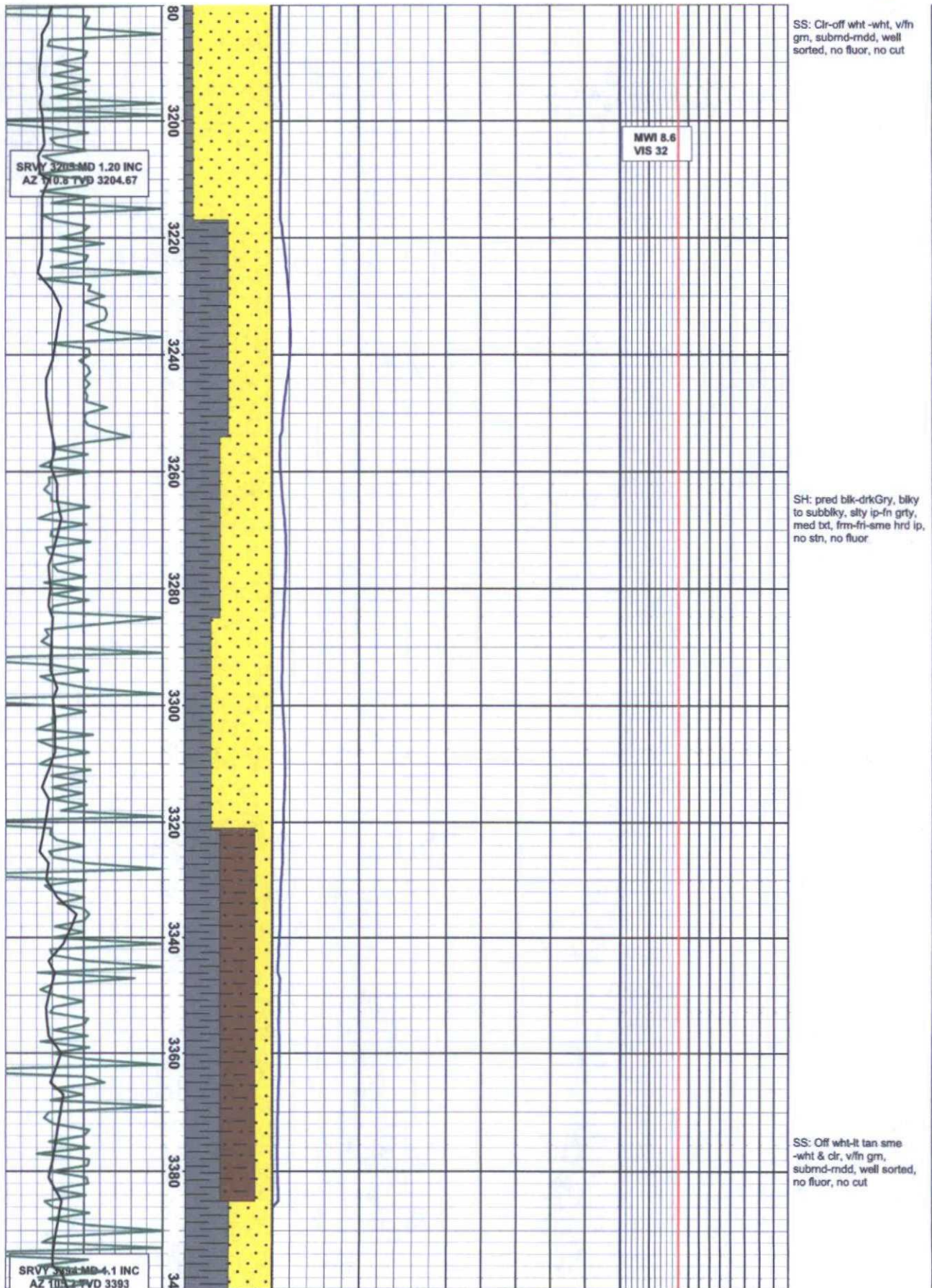
Anhydritic   
Argillaceous   
Calcareous   
Carbonaceous   
Cherty   
Conglomeratic   
Dolomite Stringer   
Dolomitic   
Fossiliferous   
Marly   
Micaceous   
Pyritic   
Sandy   
Stylolitic

## SYMBOLS

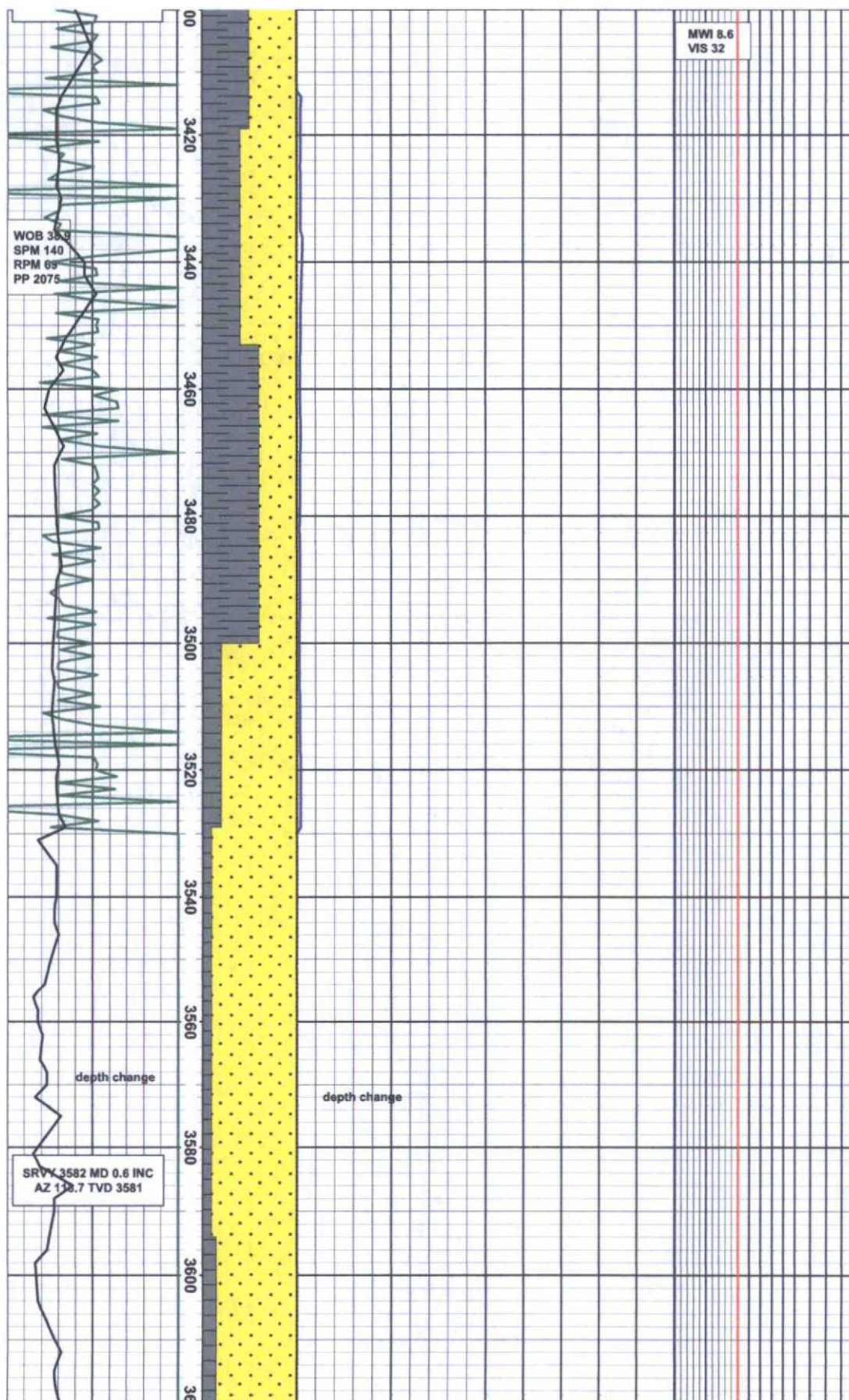
Core (Recovered)		Sample Quality Good	
Core (Lost)		Sample Quality Fair	
Casing Shoe		Sample Quality Poor	
SWC (None)		Gas Show (Fair)	
SWC (Recovered)		Gas Show (Good)	
		Gas Show (Moderate)	
		Gas Show (Poor)	
		Oil Show (Fair)	
		Oil Show (Good)	
		Oil Show (Moderate)	
		Oil Show (Poor)	

ROP / Gamma	Lithology	Total Gas / Chrom.	Cuttings Chrom.	Calc	Fluor	Oil	Remarks
<div>ROP</div> <div>500 Ft/Hr</div> <div>MWD Gamma</div> <div>0 API 300</div>	DEPTH	<div>Total Gas</div> <div>0 Units 500 100</div> <div>Methane</div> <div>0 ppm 1000000</div> <div>Ethane</div> <div>0 ppm 300000</div>	<div>Ethane</div> <div>%</div> <div>Normal Butane</div> <div>%</div> <div>Iso Pentane</div> <div>%</div>	<div>Casing</div> <div>0 300 PSI</div> <div>CALC</div> <div>1000 %100</div> <div>100</div>	<div>Fluor</div> <div>00 units 50</div>	<div>Oil Cut</div> <div>20</div>	





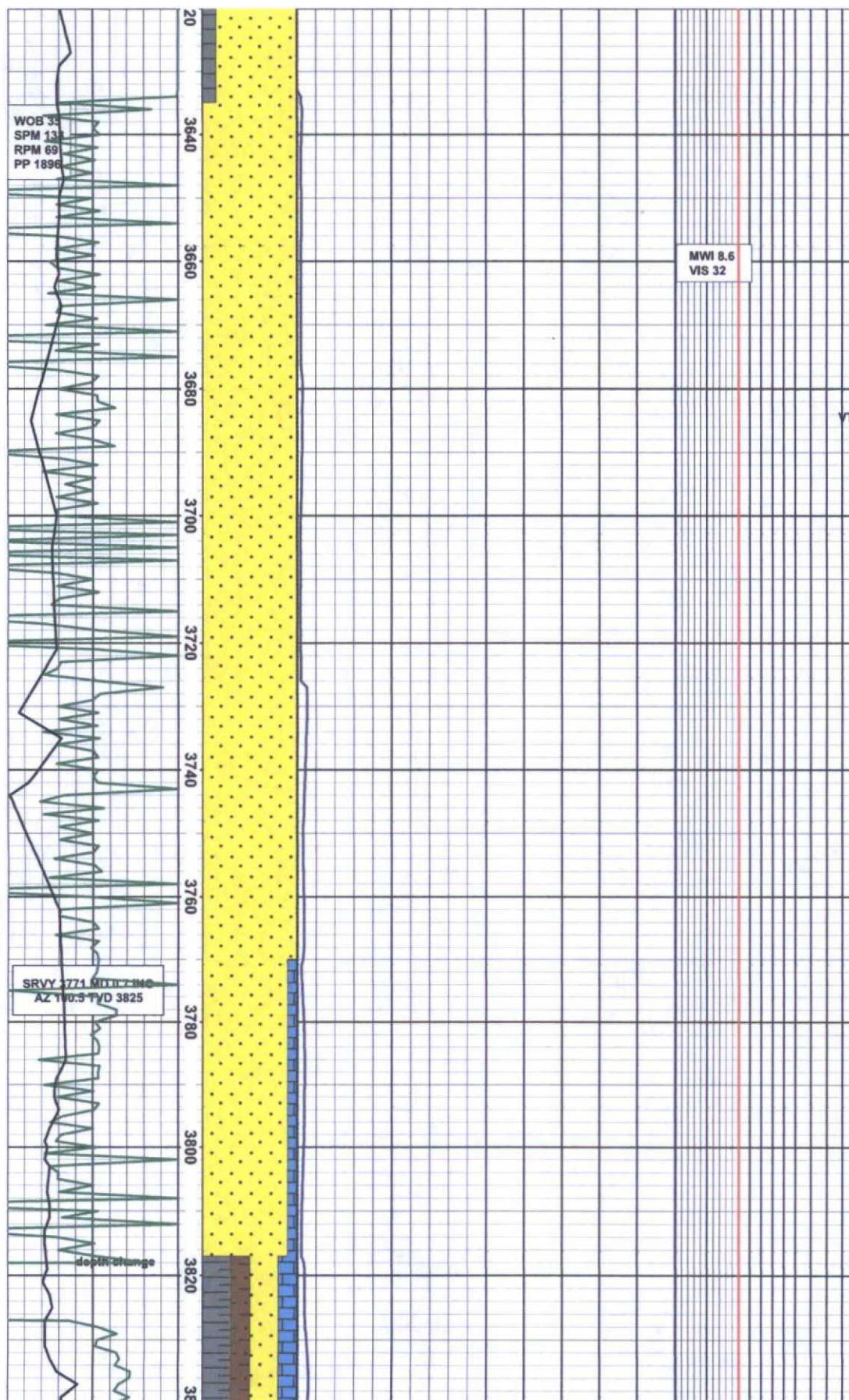




SH: pred blk-drkGry, blkly  
to subblky, slty ip-fn grty,  
med txt, frm-fri-sme hrd ip,  
no stn, no fluor

SS: Off wht-lt tan & clr,  
v/fn gm, submd-mdd, well  
sorted, no fluor, no cut

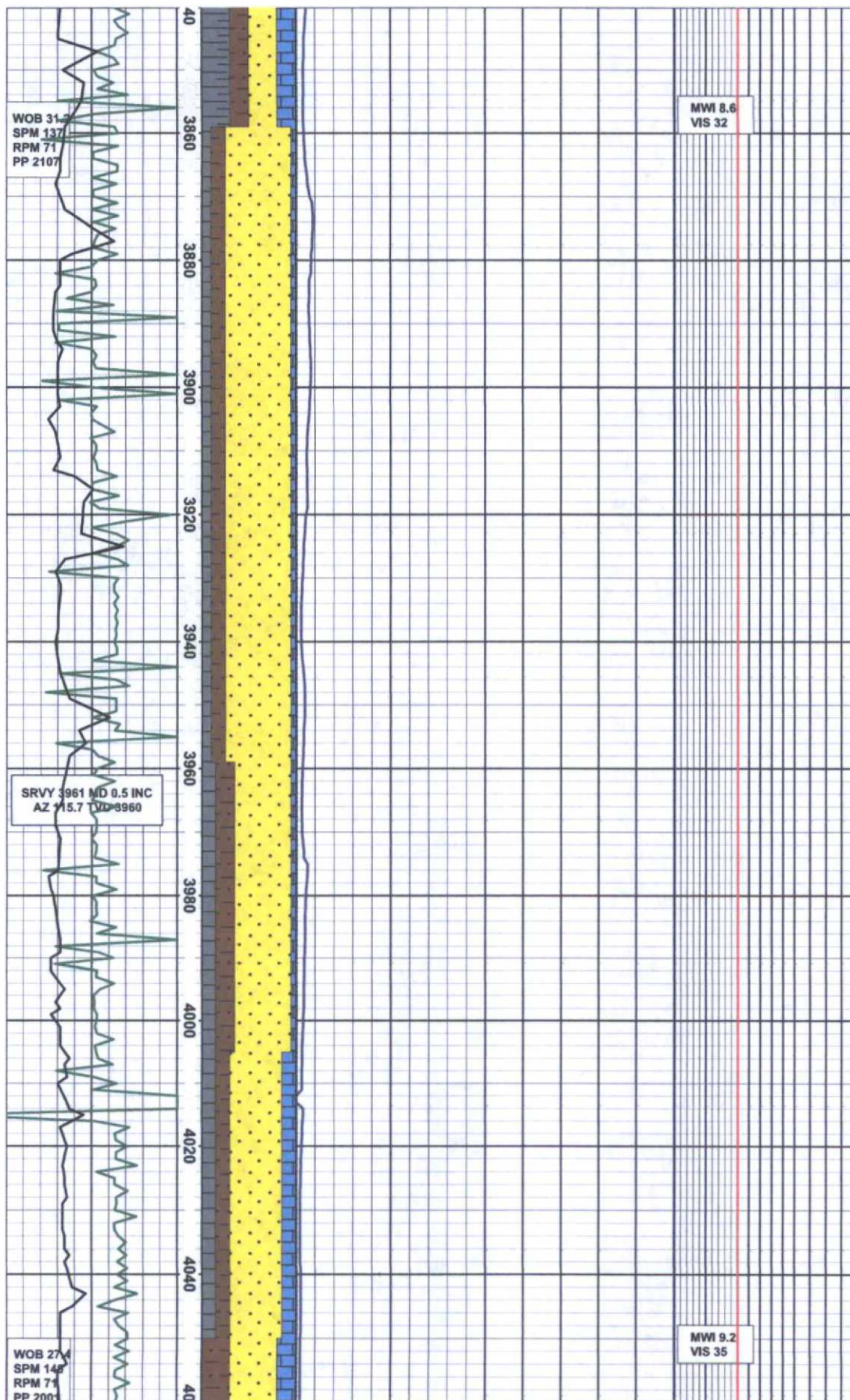




SS: Lt tan-sme off wht & dr, v/fn gm, submd-mdd, well sorted, no fluor, no cut

LS: Milky - Wh - v/fn Gy, subspit, micdn to v/fdn, frm to fri.

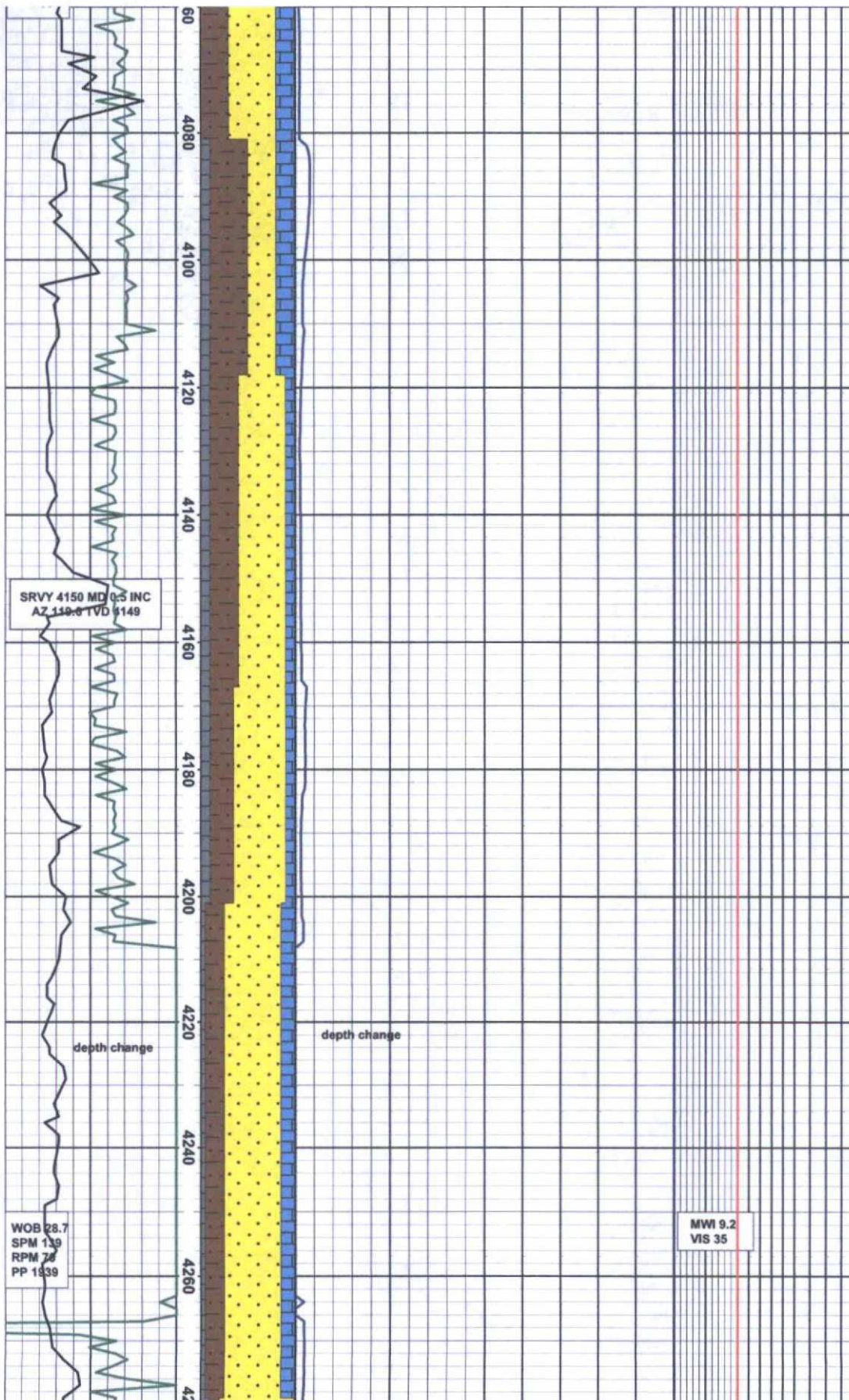




SLT: modBn - meddrkGy,  
w cons, v/fn to fn gm,  
subang to submd, w srted,  
calc to scat arg cmt, tr  
imbd PYR.

SH: drkGy - medGy,  
subbky to blkly, f to grty to  
silty bdt, frm to brit, tr imbd  
microxin PYR.

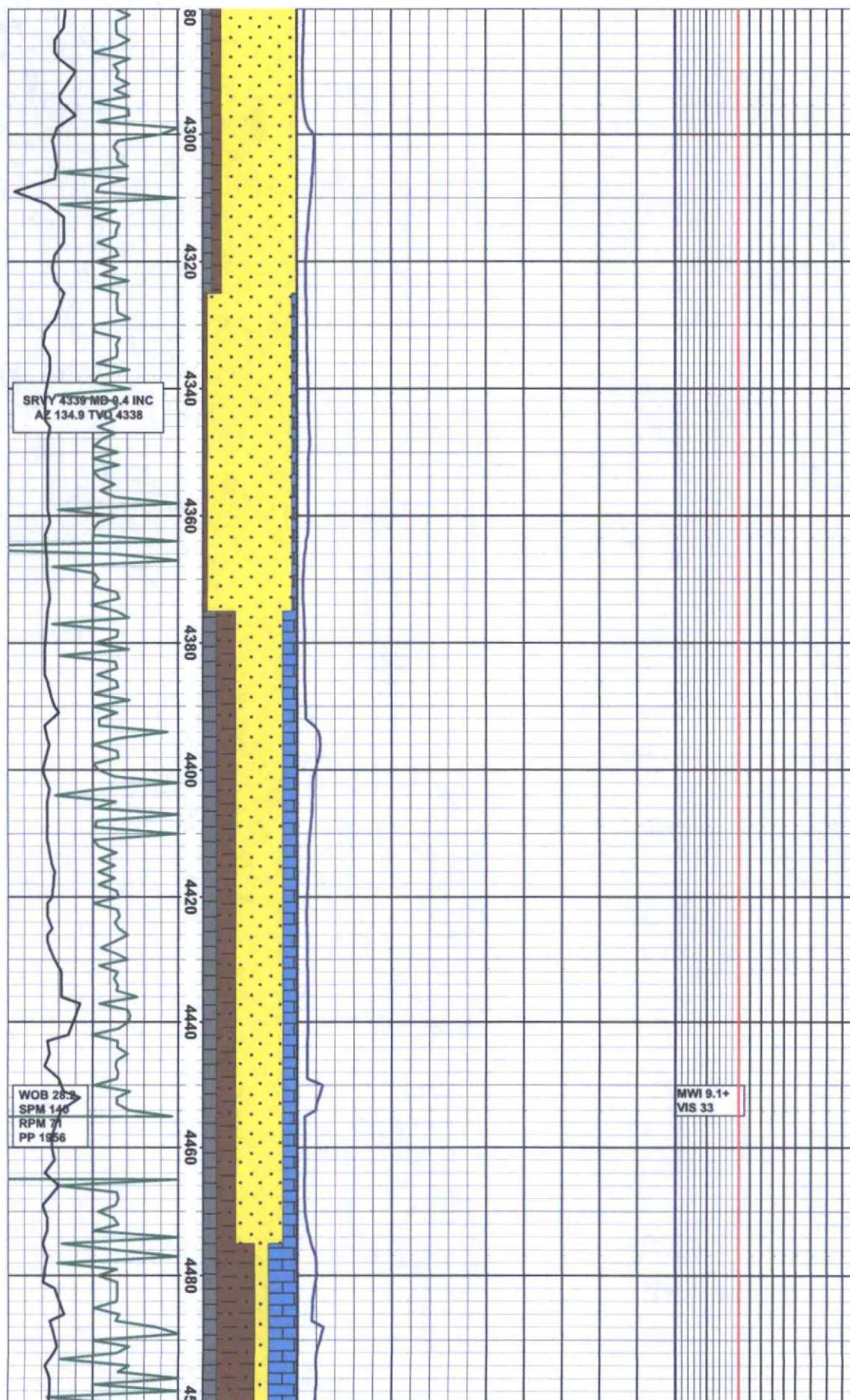




SS: tn- off wht- lt gy & clr,  
v/fn gm, submd-mdd, well  
sorted, no fluor, no cut

SH: ltGy - medGy, subblky  
to blkly, f to grty to scat rgh  
bxt, frm to hd, tr imbd  
microxln PYR.



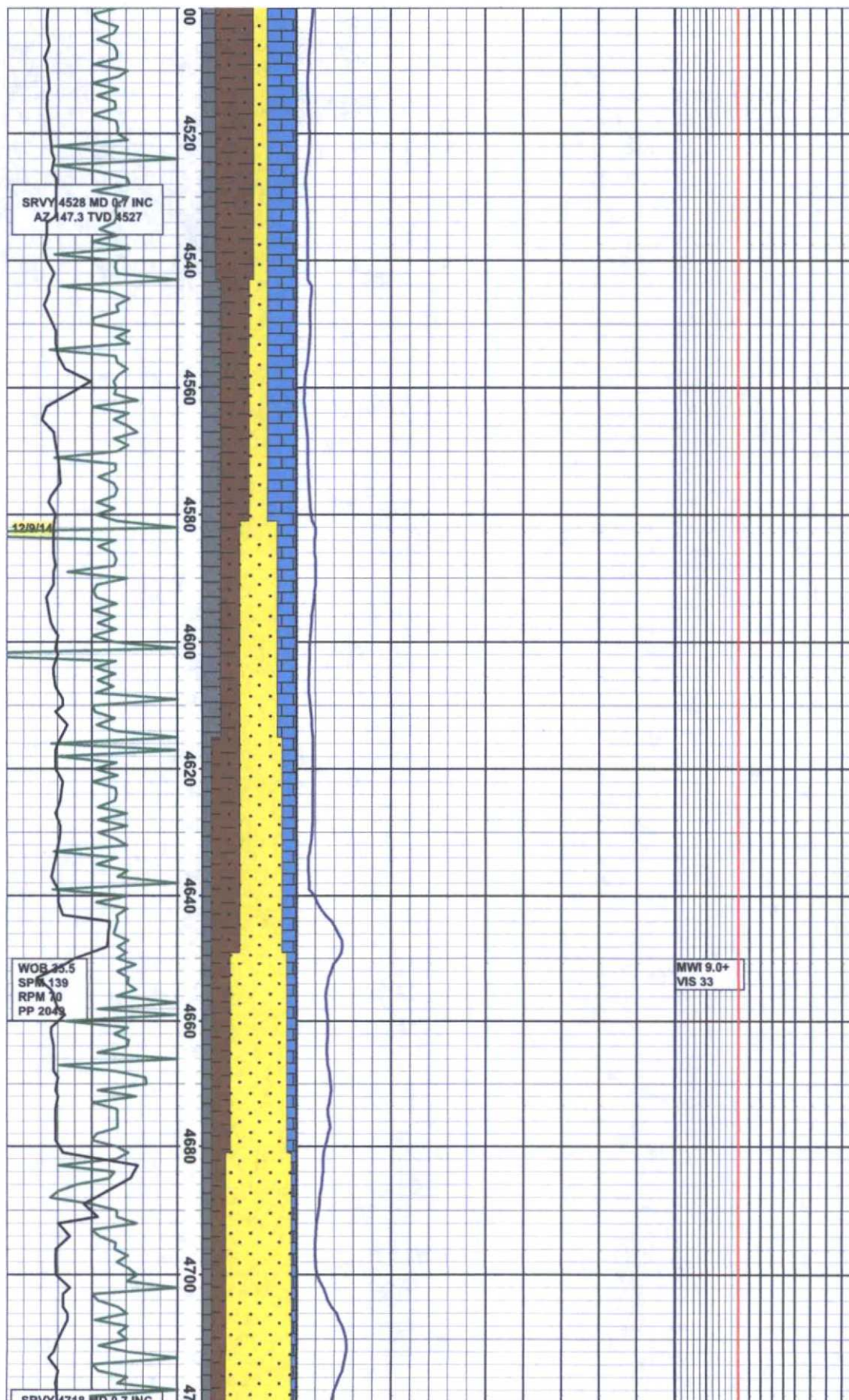


SLT: modBn - meddrkGy -  
occ bmhgy, w cons, v/fn to  
fn gm, subang to submd,  
w srtid, calc to scat arg  
cmt, tr imbd PYR.

LS: Wh - v/fnGy - Mlky,  
subbky to tr subspit,  
micdn to v/fdn, frm to scat  
fri, tr imbd PYRC spec.

MWI 9.1+  
VIS 33





SH: lt Gy - med Gy, subbly  
to blk, f to grty to scat rgh  
txt, frm to hd, tr imbd  
microxn PYR.

SS: tn- off wht- lt gy & clr,  
v/fn gm, submd-mdd, well  
sorted, no fluor, no cut



## EXHIBIT 6

# MRC Permian Company

One Lincoln Centre • 5400 LBJ Freeway • Suite 1500 • Dallas, Texas 75240  
Voice 972.371.5273 • Fax 214.866.4883  
[vsingleton@matadorresources.com](mailto:vsingleton@matadorresources.com)

---

**Van H. Singleton, II**  
**Executive Vice President--Land**

January 19, 2016

Guardian Operating Corporation  
Attn: Mr. Randy S. Cate  
6824 Island Circle  
Midland, TX 79707

**Re: Letter Agreement for the Kirkes Com #1 well, API #- 30-015-23299 located in Section 10, Township 24 South, Range 28 East, Eddy County, New Mexico (the "Kirkes Well") and the Craft #1 well, API #30-15-2412 located in Section 13, Township 24 South, Range 28 East, Eddy County, New Mexico (the "Craft Well" and collectively with the Kirkes Well the "SWD Well(s))"**

Dear Randy:

MRC Permian Company and its operating affiliate Matador Production Company ("Matador") understand that Guardian Operating Corporation ("Guardian") is in the process of filing for permits with the New Mexico Oil Conservation Division to convert the Kirkes Well and the Craft Well to salt water disposal wells. Guardian has requested that Matador waive objection to said permits. Matador agrees to grant a waiver on the following terms and conditions:

- The permit for the Kirkes Well will have an injection interval depth of 3800' to 4600'; and
- The permit for the Craft Well will have an injection interval depth of 3800' to 4500'; and
- The SWD Well permits will be in accordance with the rules and regulations of the State of New Mexico; and
- Guardian agrees to work with Matador, and if Matador requests Guardian shut-in the SWD Wells to reduce interference with any of its drilling or completion operations, then Guardian will do so.

Please indicate your agreement with the terms and conditions outlined above by signing below and executing below. After Matador has received your acceptance, Matador will sign the waiver

attached hereto as "Exhibit A" (the "Waiver") for the SWD Well permits contemplated herein. In the case of a conflict between the provisions of the Waiver and the provisions of this Letter Agreement, the provisions of the Letter Agreement shall control.

Sincerely,



Van H. Singleton, II  
Executive Vice President of Land

AGREED AND ACCEPTED THIS THE 19<sup>th</sup> DAY OF JANUARY, 2016.

RSC RESOURCES, LP

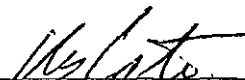
By: Cogent Energy, Inc., its General Partner

By: 

Name: RANDALL CATE

Title: PRESIDENT

GUARDIAN OPERATING CORPORATION

By: 

Name: RANDALL CATE

Title: PRESIDENT

# MITCHELL ANALYTICAL LABORATORY

2638 Faudree  
Odessa, Texas 79765-8538  
561-5579

## EXHIBIT 7 Additional Analysis Wolfcamp Water

Company: **WadeCo Specialties, LLC**

Well Number: Marra  
Lease: Guardian  
Location: WC17689  
Date Run: 12/9/2013  
Lab Ref #: 13-dec-h13087

Sample Temp: 70  
Date Sampled: 11/25/2013  
Sampled by: Wade Havens  
Employee #:   
Analyzed by: GR

### *Dissolved Gases*

		Mg/L	Eq. Wt.	MEq/L
Hydrogen Sulfide	(H <sub>2</sub> S)	.00	16.00	.00
Carbon Dioxide	(CO <sub>2</sub> )	<b>NOT ANALYZED</b>		
Dissolved Oxygen	(O <sub>2</sub> )	<b>NOT ANALYZED</b>		

### *Cations*

Calcium	(Ca++)	3,867.24	20.10	192.40
Magnesium	(Mg++)	570.96	12.20	46.80
Sodium	(Na+)	34,145.34	23.00	1,484.58
Barium	(Ba++)	<b>NOT ANALYZED</b>		
Manganese	(Mn+)	1.72	27.50	.06
Strontium	(Sr++)	<b>NOT ANALYZED</b>		

### *Anions*

Hydroxyl	(OH-)	.00	17.00	.00
Carbonate	(CO <sub>3</sub> =)	.00	30.00	.00
BiCarbonate	(HCO <sub>3</sub> -)	73.32	61.10	1.20
Sulfate	(SO <sub>4</sub> =)	126.00	48.80	2.58
Chloride	(Cl-)	61,067.10	35.50	1,720.20
Total Iron	(Fe)	2.59	18.60	.14
Total Dissolved Solids		99,854.27		
Total Hardness as CaCO <sub>3</sub>		12,009.04		
Conductivity MICROMHOS/CM		141,300		

pH 7.160 Specific Gravity 60/60 F. 1.069

CaSO<sub>4</sub> Solubility @ 80 F. 44.26MEq/L, CaSO<sub>4</sub> scale is unlikely

### *CaCO<sub>3</sub> Scale Index*

70.0	-.135	100.0	.185	130.0	.775
80.0	-.025	110.0	.425	140.0	.775
90.0	.185	120.0	.425	150.0	1.115

WadeCo Specialties, LLC


# Affidavit of Publication

No. 23840

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 21, 2016

Second Publication

Third Publication

Fourth Publication

Fifth Publication

Sixth Publication

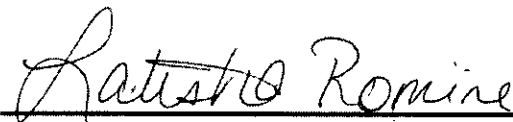
Subscribed and sworn before me this

22nd day of February 2016



OFFICIAL SEAL  
Latisha Romine  
NOTARY PUBLIC-STATE OF NEW MEXICO

My commission expires: 5/12/2019



Latisha Romine

Notary Public, Eddy County, New Mexico

# Copy of Publication:

## LEGAL NOTICE

Guardian Operating Corp, 203 W Wall St Midland, TX 79701, is filing Form C-108 (Application for Authority to Inject) with the New Mexico Oil Conservation Division for administrative approval to permit and configure for salt water disposal its Kirkes Well No. 1. The well is located 2080' FSL & 1173' FEL in Section 10, Township 24 South, Range 28 East in Eddy County, New Mexico. Produced water from area production will be privately disposed into the Cherry Canyon formation through selectively perforated intervals between a maximum applied for top of 3800 feet to maximum depth of 4600 feet based on log analysis. The maximum injection pressure will be 760 psi surface (0.2 psi/ft gradient) and 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.

Published in the Artesia Daily Press, Artesia, N.M., Feb. 21, 2016 Legal No. 23840.



## Goetze, Phillip, EMNRD

---

**From:** Goetze, Phillip, EMNRD  
**Sent:** Wednesday, March 09, 2016 8:37 AM  
**To:** Ben Stone (ben@sosconsulting.us)  
**Cc:** 'Morales, Ron'; jamesbruc@aol.com; Jones, William V, EMNRD; McMillan, Michael, EMNRD; Lowe, Leonard, EMNRD  
**Subject:** Two Protests of Application to Inject - Kirkes Com No. 1

RE: Kirkes Com No. 1 (API 30-015-23299) – Sec 10, T. 24 S., R. 28 E., NMPM, Eddy County.

Mr. Stone:

OCD was notified through counsel that Mewbourne Oil Company is protesting this application for approval of a salt water disposal well. Mewbourne has stated that commercial disposal will impact their Delaware operations in Section 10. A second party, Mr. Ron Morales, has also submitted a written protest of the proposed injection application. Therefore, you are being notified that if Guardian Operating wishes for this application to be considered, it must either go to hearing or may be reviewed administratively if the protests are withdrawn as a result of a negotiated resolution with these parties. The application will be retained by OCD, but suspended from further administrative review. Please contact OCD once you have made a decision regarding the application within the next 30 days. If the protest remains after 30 days, OCD will initiate the process for the application to be reviewed at hearing. Please call me with any questions regarding this matter. PRG

**Contact Information:**

Mr. Ron Morales  
1111 North 8th  
Artesia, NM 88210  
Phone: 575.624.7397  
E-mail: Ron.Morales@rm01.enmuros.cc.nm.us

**Counsel for Mewbourne Oil**

Jim Bruce, Attorney  
P.O. Box 1056  
Santa Fe, NM 87504  
Phone: 505.928.2043  
E-mail: [jamesbruc@aol.com](mailto:jamesbruc@aol.com)

**Phillip R. Goetze, PG**

Engineering and Geological Services Bureau  
Oil Conservation Division  
New Mexico Energy, Minerals and Natural Resources Department  
1220 South St. Francis Drive  
Santa Fe, NM 87505  
Direct: 505.476.3466  
e-mail: [phillip.goetze@state.nm.us](mailto:phillip.goetze@state.nm.us)

**Goetze, Phillip, EMNRD**

---

**From:** jamesbruc@aol.com  
**Sent:** Tuesday, March 08, 2016 4:59 PM  
**To:** Goetze, Phillip, EMNRD; William..Jones@state.nm.us; McMillan, Michael, EMNRD  
**Cc:** tcude@mewbourne.com  
**Subject:** Guradian Operating Corp./SWD Application/Kirkes Well No. 1/Sec. 10--24S-28E

Gentlemen: Merwbourne Oil Co. objects to the above application, because it may interfere with its operations in the Delaware formation in Section 3 to the north of the proposed injector.

Jim Bruce

Attorney for Mewbourne Oil Co.

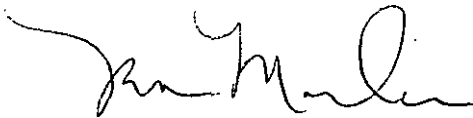
March 4, 2016

New Mexico Oil Conservation Division  
Attention: Mr. Phillip Goetze  
1220 South St. Frances Dr.  
Santa Fe, NM 87505

To whom it may concern:

This letter serves as my notice and my objection to Guardian Operating, LLC Midland, Texas application and request to reconfigure and complete for salt water disposal (the Kirkes Well No.1) in or around Section 10, Township 24 South, Range 28 East in Eddy County, New Mexico.

Best regards,



Ron H. Morales  
1111 N. 8<sup>th</sup>  
Artesia, NM 88210  
575-624-7397

CC: Ben Stone/info@sosconsulting.us  
Randall Cate/Guardian\_op@yahoo.com

RECEIVED OCD  
2016 MAR -7 P 4:06

**Goetze, Phillip, EMNRD**

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**From:** Ben Stone <ben@sosconsulting.us>  
**Sent:** Friday, March 04, 2016 6:08 PM  
**To:** Morales, Ron  
**Cc:** Guardian\_op@yahoo.com; info@sosconsulting.us; Goetze, Phillip, EMNRD  
**Subject:** Re: Kirkes Well No. 1

Hello Mr. Morales,

Thank you for your email. Please let me know if there is any additional information we can provide that might address your concerns. We would appreciate some clarification as to the nature of your objection; we're somewhat surprised since this is a relatively low impact, private SWD proposal.

Thank you for your attention to this matter and further communications.

Best regards,

Ben Stone  
SOS Consulting, LLC  
Agent for Guardian Operating Corp.

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**Morales, Ron**

Friday, March 04, 2016 11:54 AM

To whom it may concern:

This email serves as my notice as my objection to your application and request to reconfigure and complete for salt water disposal (the Kirkes Well No.1) in or around Section 10, Township 24 South, Range 28 East in Eddy County, New Mexico.

Best regards,  
Ron H. Morales  
1111 N. 8<sup>th</sup>  
Artesia, NM 88210

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**P.O. Box 300 - Como, TX 75431**

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**Goetze, Phillip, EMNRD**

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**From:** Morales, Ron <Ron.Morales@rm01.enmuros.cc.nm.us>  
**Sent:** Friday, March 04, 2016 11:03 AM  
**To:** Goetze, Phillip, EMNRD  
**Subject:** FW: Kirkes Well No. 1

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**From:** Morales, Ron  
**Sent:** Friday, March 04, 2016 10:55 AM  
**To:** 'Guardian\_op@yahoo.com' <Guardian\_op@yahoo.com>; 'info@sosconsulting.us' <info@sosconsulting.us>; 'phillip.goetze@state.nm.us' <phillip.goetze@state.nm.us>  
**Subject:** Kirkes Well No. 1

To whom it may concern:

This email serves as my notice and my objection to your application and request to reconfigure and complete for salt water disposal (the Kirkes Well No.1) in or around Section 10, Township 24 South, Range 28 East in Eddy County, New Mexico.

Best regards,  
Ron H. Morales  
1111 N. 8<sup>th</sup>  
Artesia, NM 88210  
575-624-7397

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