

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 _____

*Probitly Operating LLC
 Purdue 30 Com No-7
 30-015-24144*

Delaware

2015 JUN - 2 A H 15
 RECEIVED OCD

[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		Agent for Probitly Operating LLC	5/29/15
Print or Type Name	Signature	Title	Date
		ben@sosconsulting.us	
		e-mail Address	



May 29, 2015

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

Attn: Mr. David Catanach, Director

SWD

Re: Application of Probity Operating, LLC to convert and permit for salt water disposal the Pardue 30 Com No.1 well located in Section 30, Township 23 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 covert for disposal, the Pardue 30 Com Well No.1. It should be noted that this well is a non-economic gas well operated by Aspen Oil, Inc. and is slated to be P&A'd. Aspen has agreed to transfer the well to the applicant as soon as possible.

Probity Operating, LLC seeks to create additional solutions for disposal in various locations in southeast New Mexico. Approval of this application is consistent with that goal as well as the NMOCD's mission of preventing waste and protection of correlative rights.

Published legal notice will run in the May 31, 2015 edition of the Artesia Daily Press and all offset operators and other interested parties have been notified individually. The legal notice affidavit will be forwarded as soon as it is received. This application also includes wellbore schematics, area of review maps, leaseholder plats and other required information for a complete Form C-108. The well is located on 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,

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

Ben Stone, Partner
SOS Consulting, LLC
Agent for Probity Operating, LLC

Cc: Application attachment and file

APPLICATION FOR AUTHORIZATION TO INJECT

- I. PURPOSE: **Salt Water Disposal** and the application *qualifies* for administrative approval.
- II. OPERATOR: **Probity Operating, LLC - Ogrnd 296278** — *Probity SWD LLC*
ADDRESS: **P.O. Box 7307, Midland, TX 79708**
- CONTACT PARTY: **Agent: SOS Consulting, LLC – Ben Stone (903) 488-9850**
- III. WELL DATA: **All well data and applicable wellbore diagrams are ATTACHED hereto.**
- IV. **This is not an expansion of an existing project.**
- V. **A map is ATTACHED** that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.
- *VI. **A tabulation is ATTACHED** of data on all wells of public record within the area of review which penetrate the proposed injection zone. **(NO wells in the Area Of Review.)** The data includes a description of each well's type, construction, date drilled, location, depth, and a schematic of any plugged well illustrating all plugging detail.
- VII. **The following data is ATTACHED** on the proposed operation, including:
1. Proposed average and maximum daily rate and volume of fluids to be injected;
 2. Whether the system is open or closed;
 3. Proposed average and maximum injection pressure;
 4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and,
 5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).
- *VIII. **Appropriate geologic data on the injection zone is ATTACHED** including appropriate lithologic detail, geologic name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such sources known to be immediately underlying the injection interval. ✓
- IX. **The well may be acidized to clean perforations and formation wall w/ 15% HCl w/ up to 2500 gals/500'.**
- *X. **There is no applicable test data on the well however, any previous well logs (2 well logs available via OCD Online) have been filed with the Division and they need not be resubmitted. A log strip of subject interval is ATTACHED.**
- *XI. **State Engineer's records indicate there are numerous water wells within one mile the proposed salt water disposal well with the majority very close to 1 mile distant. 2 of the closer wells are being sampled and analyses will be forwarded upon receipt.** ✓
- 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 9 offset lessees (plus landowner) and/or operators in the review area - all have been noticed.
- XIV. Certification: I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.

NAME: **Ben Stone** TITLE: **SOS Consulting, LLC agent / consultant for Probity Operating, LLC**

SIGNATURE:  DATE: 5/29/2015

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

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

A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:

- (1) Lease name; Well No.; Location by Section, Township and Range; and footage location within the section.
- (2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.
- (3) A description of the tubing to be used including its size; lining material; and setting depth.
- (4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District Offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.

- (1) The name of the injection formation and, if applicable, the field or pool name.
- (2) The injection interval and whether it is perforated or open-hole.
- (3) State if the well was drilled for injection or, if not, the original purpose of the well.
- (4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.
- (5) Give the depth to and the name of the next higher and next lower oil or gas zone in the area of the well, if any.

XIV. PROOF OF NOTICE *pursuant to the following criteria is ATTACHED.*

All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

- (1) The name, address, phone number, and contact party for the applicant;
- (2) The intended purpose of the injection well; with the exact location of single wells or the Section, Township, and Range location of multiple wells;
- (3) The formation name and depth with expected maximum injection rates and pressures; and,
- (4) A notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, 1220 South St. Francis Dr., Santa Fe, New Mexico 87505, within 15 days.

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

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.

CURRENT CONFIGURATION

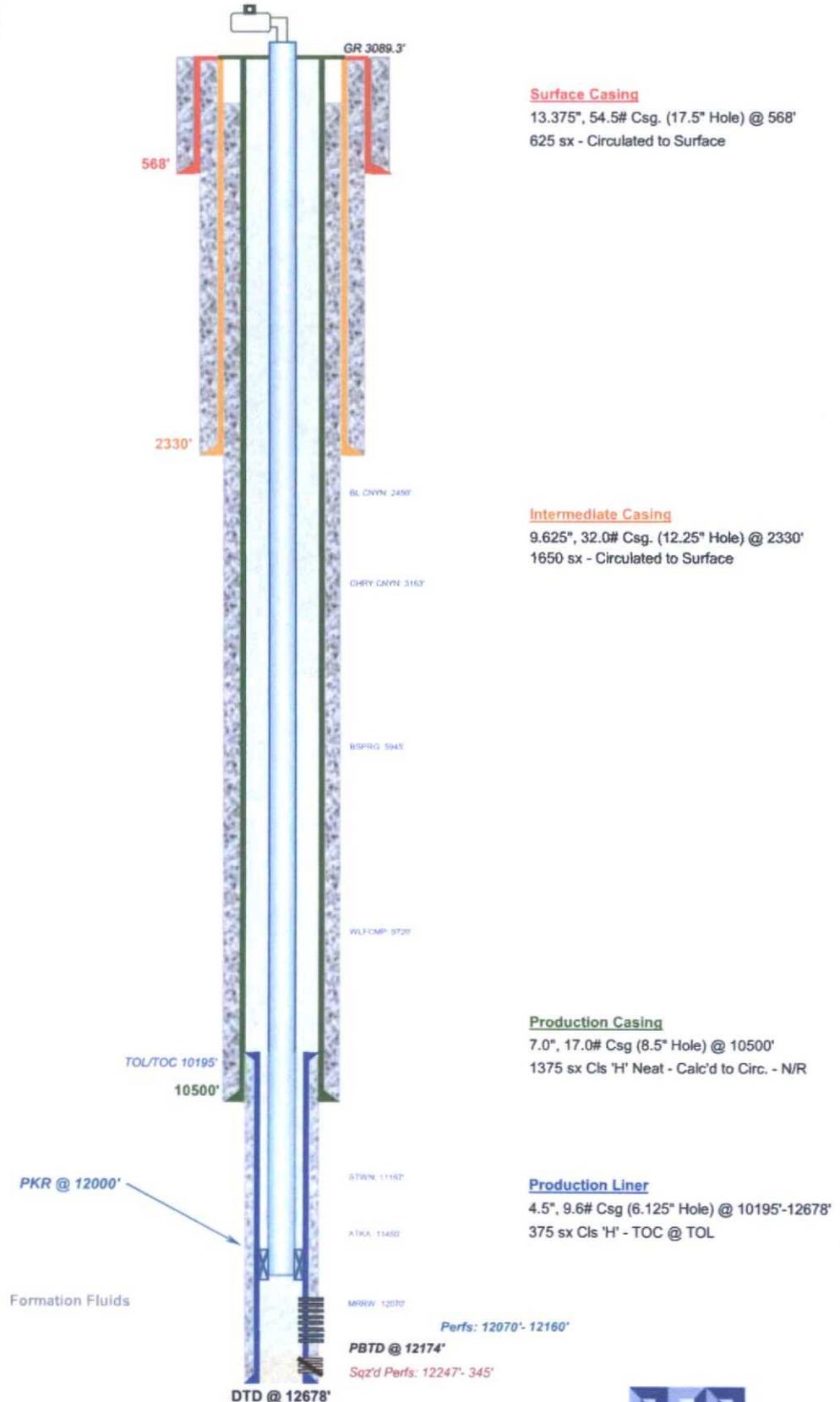
ACTIVE - ON P&A LIST Pardue 30 Com Well No.1

Non-Economic Gas Well
Aspen Oil, Inc.
Scheduled for P&A

**TRANSFER IN PROCESS
to Probity Operating, LLC**

API 30-015-24144
1980' FNL & 983' FWL, SEC. 30-T23S-R28E
EDDY COUNTY, NEW MEXICO

Spud Date: 4/21/1981
P&A Date: TBD





PROPOSED CONFIGURATION

ACTIVE - ON P&A LIST
Pardue 30 SWD Well No.1

API 30-015-24144

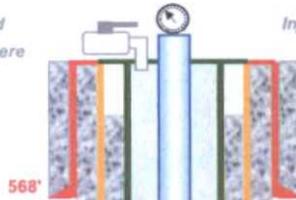
1980' FNL & 983' FWL, SEC. 30-T23S-R28E
EDDY COUNTY, NEW MEXICO

Spud Date: 4/21/1981

Config Date: ~7/15/2015

Annulus Monitored
or open to atmosphere

Injection Pressure Regulated
and Volumes Reported
490 psi Max Surface



Surface Casing

13.375", 54.5# Csg. (17.5" Hole) @ 568'
625 sx - Circulated to Surface ✓

Probitly Operating, LLC

Configure for SWD as follows:

- Pull Prod TBG & PKR - Set 4.5" CIBP @ 12,050' w/35' Cmt.
- Spot Cmt Plugs as Illustrated to Seal 4.5" Completion.
- Set 7.0" CIBP @ 10,100' w/35' Cmt Cap.
- Spot Cmt Plugs as Illustrated Across Adjacent Formations.
- Set 7.0" CIBP @ 4715' w/ 35' Cmt Cap PBDT @ ~4680'.
- Perforate Selected Intervals from Log Analysis in Bell Canyon & Cherry Canyon Formations.
- Max Top 2450' to Max Bottom 4650'
- RIH w/ 3.5" TBG & Set PKR @ 2355'+
- MIT to 300 psi / 30 mins. - OCD to Witness.
- Install Wellhead and Equipment and Commence Injection.

3.5" IC TBG Set in PKR @ 2355'+

Intermediate Casing

9.625", 32.0# Csg. (12.25" Hole) @ 2330'
1650 sx - Circulated to Surface ✓

Set CIBP @ 4715' w/ 35' Cmt

Spot 30 sx Cmt
5900'-6000'

Spot 30 sx Cmt
9800'-9700'

Set CIBP @ 10,100' w/ 35' Cmt

Spot 45 sx Cmt
10,300'-10,100'

Set CIBP @ 12,050' w/ 35' Cmt

Formation Fluids

Production Casing

7.0", 17.0# Csg (8.5" Hole) @ 10500'
1375 sx CIs 'H' Neat - Calc'd to Circ. - N/R

Production Liner

4.5", 9.6# Csg (6.125" Hole) @ 10195'-12678'
375 sx CIs 'H' - TOC @ TOL

DTD @ 12678'

Perfs: 12070'- 12160'

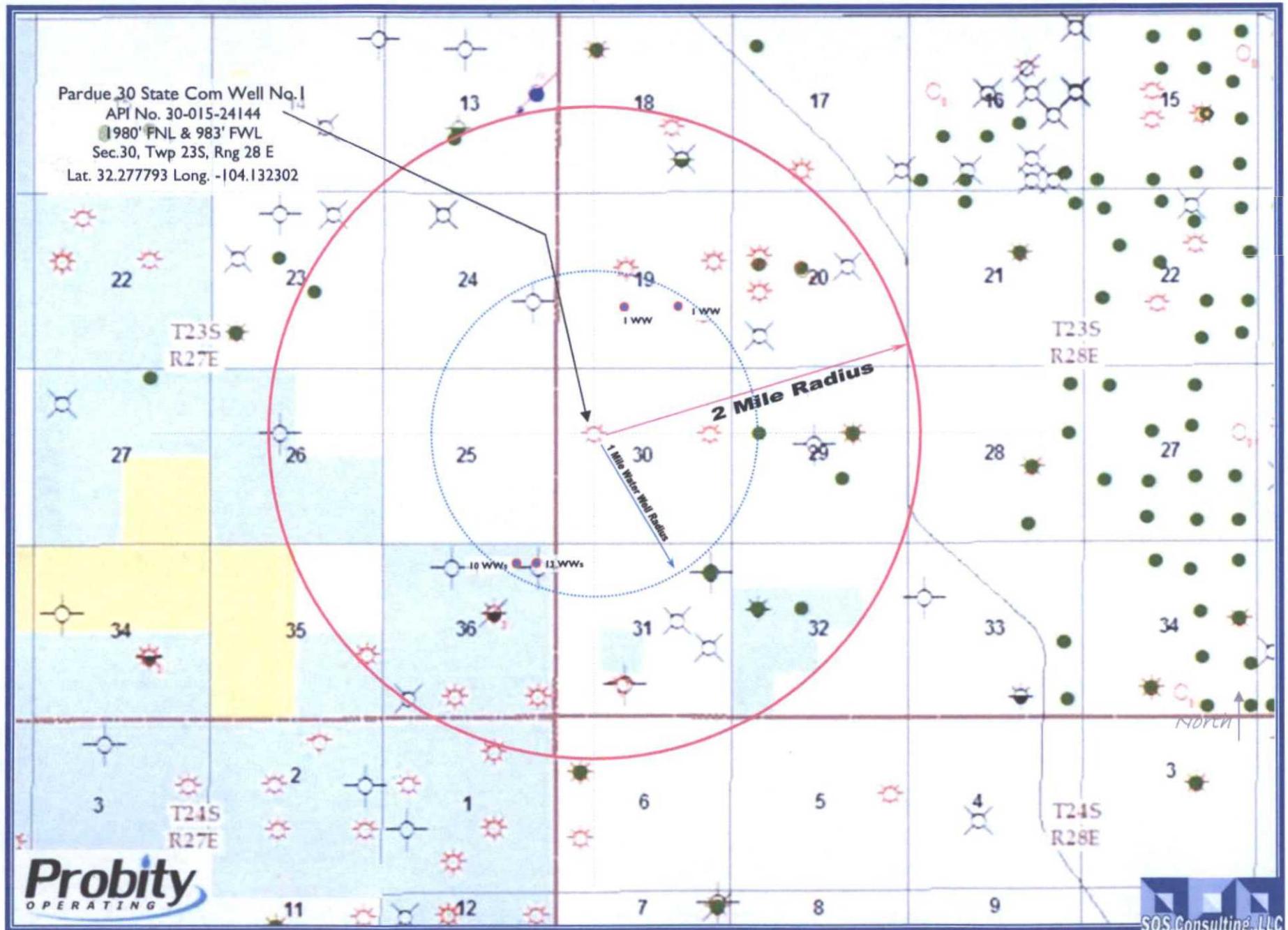
Squid Perfs: 12247'- 348'



Drawn by: Ben Stone, 5/28/2015

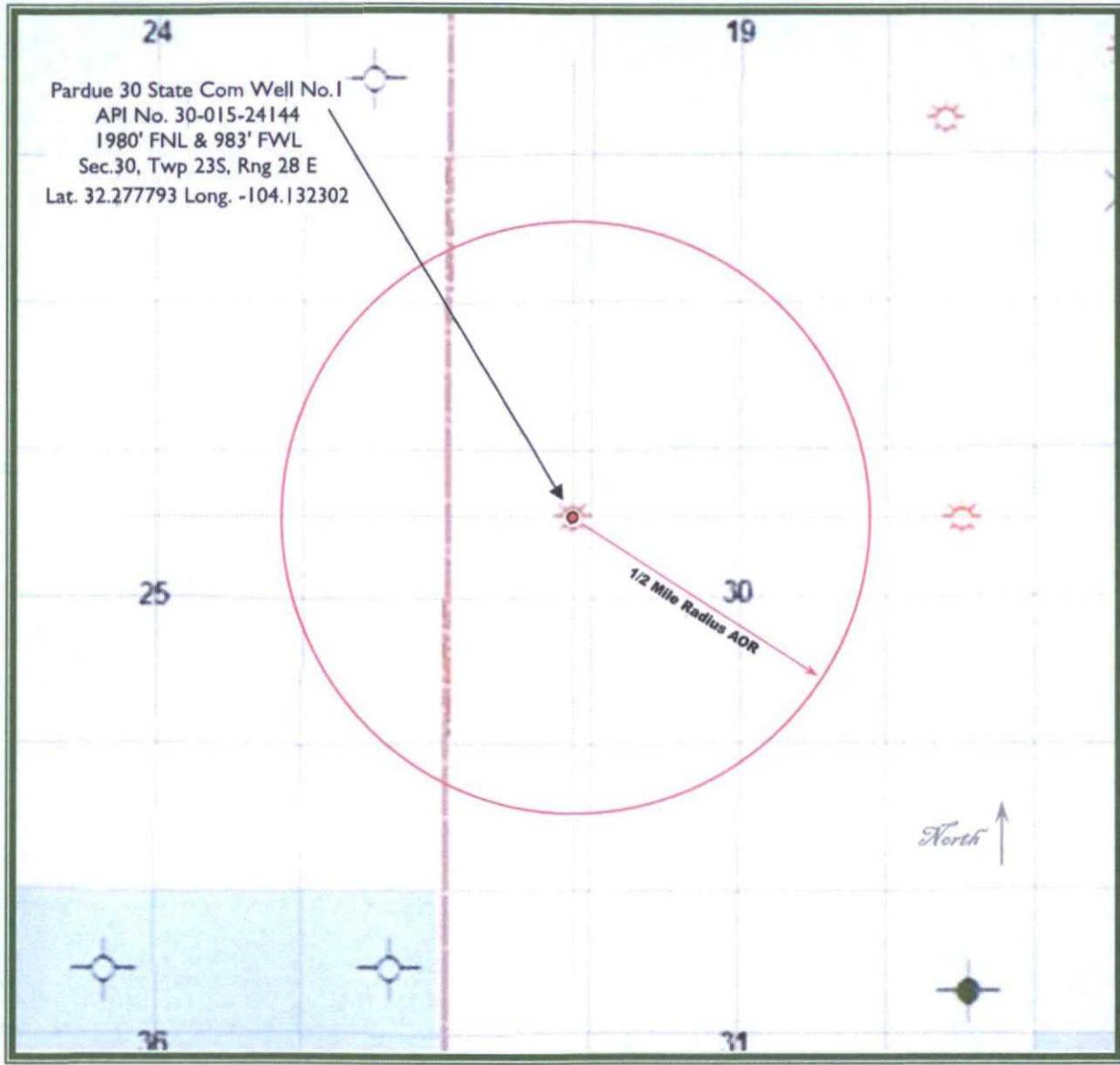
Pardue 30 State Com Well No.1 SWD - Area of Review / 2 Miles (Water Wells 1 Mile)

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

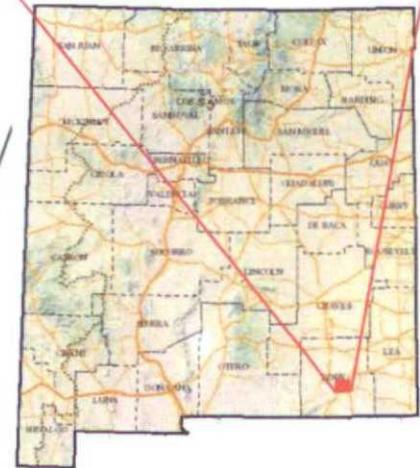


Pardue '30' State Com Well No.1 SWD –Area of Review Map

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



2.0 miles West / Southwest of Loving, NM



Eddy County, New Mexico

C-108 - Item VI

Area of Review Well Data

**THERE ARE NO WELLS IN THE ONE-HALF MILE
AREA of REVIEW**

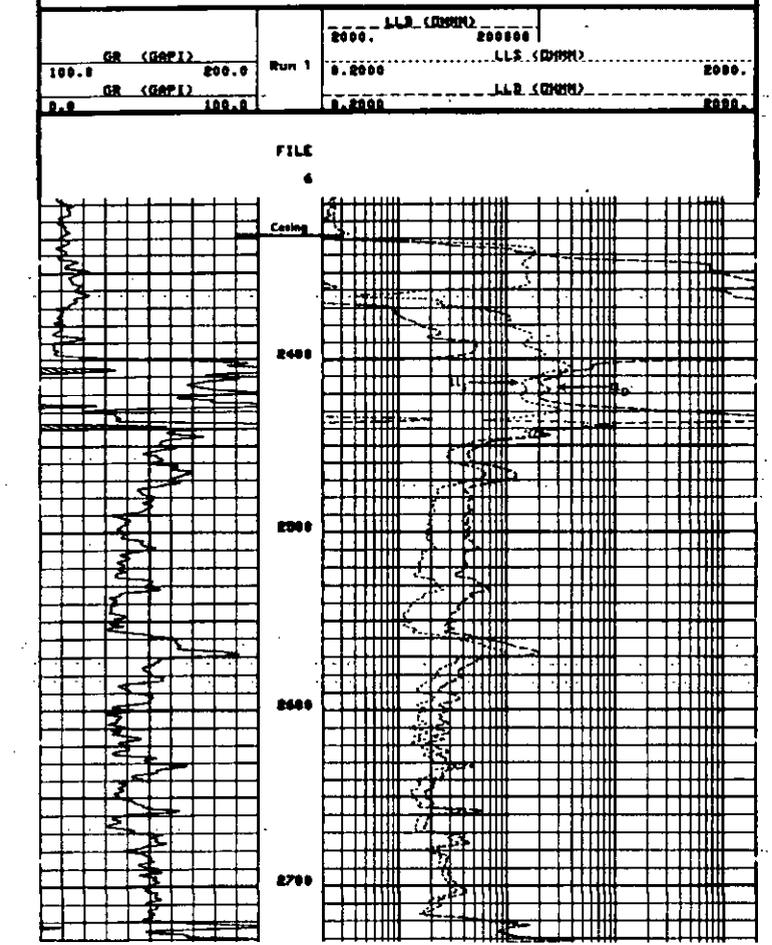
EQUIPMENT: EDDY		WILDCAT	
LOCATION: PARDUE 30 COM #1		WELL	
COMPANY: HNG OIL CO.		LOCATION	
WELL	PARDUE 30 COM #1	COUNTY	EDDY STATE
FIELD	WILDCAT	CITY	NEW MEXICO
DATE	5-17-82	TIME	6:30-8:32
LOG MEASURED FROM	K-3	LOG MEASURED TO	21 ft. Above Perm. Denim
LOG MEASURED FROM	K-3	LOG MEASURED TO	01-1083
DATE	5-17-82	TIME	6:30-8:32
LOG MEASURED FROM	K-3	LOG MEASURED TO	21 ft. Above Perm. Denim
LOG MEASURED FROM	K-3	LOG MEASURED TO	01-1083

Schlumberger

DUAL LATEROLOG

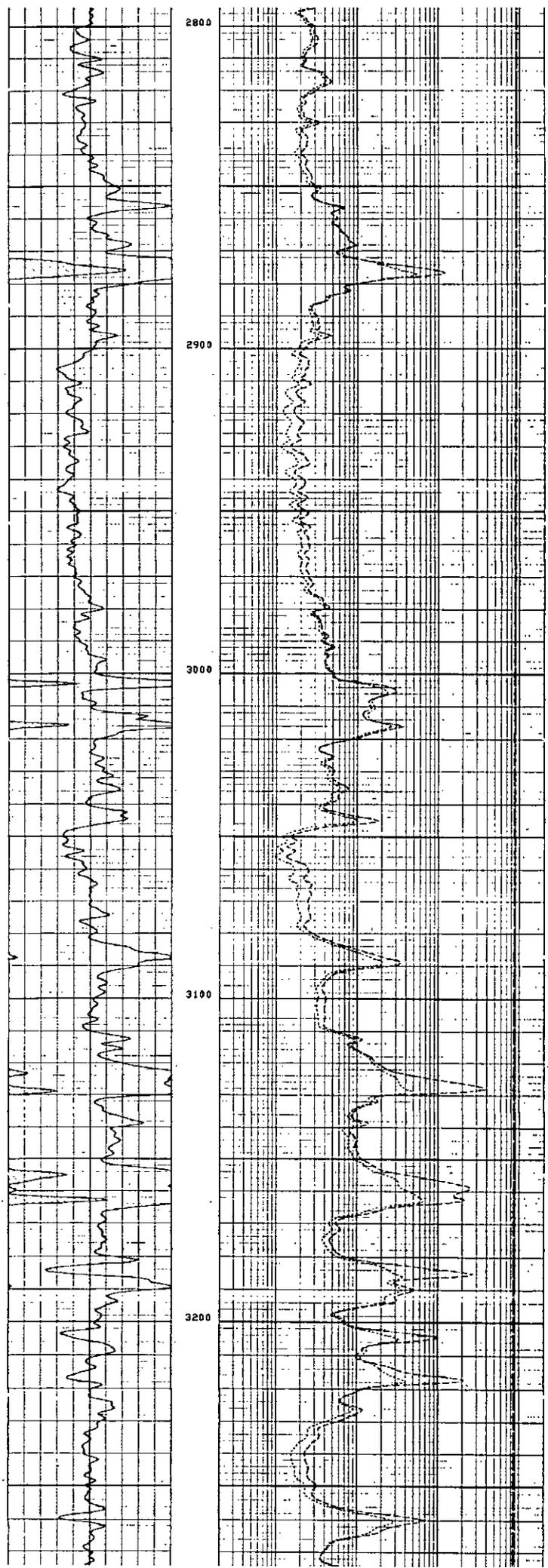
Run No.		0111	TWI	SCALE CHANGES	
Service Order No.	SD 7053			Type Log	Depth
Flood Level	1111	1111		Scale Up Hole	Scale Down Hole
Salinity, PPM CL	165000	150000			
EQUIPMENT DATA					
Panel	1743	880			
Cartridge	806	984			
Cartridge	BB 1960				
Sonde	754	766			
Sonde	D 757				
Lower Electrode		1875			
Mnemonic Panel	28	4555			
Top Recorder (TR)	D 767	938			
Depth Encoder (DE)		DS1			
Pressure Wheel (CPW)					
Control:	Type	CME-2	NONE		
Enter Spring	No.	2			
Standoff	S.O. inches	NONE			
CALIBRATION DATA					
GR	8KG. CPS	SEE CAL	SEE CAL		
	Source CPS	FILM	FILM		
LOGGING DATA					
GR	Sensitivity	155	155		
	Scale - 100 Div.	100	100		
	T.C. - sec	DC=1'	DC=1'		
	Speed FPM	60	66		
BOTTOM HOLE TEMPERATURE					
Time Entering Hole	0700	1900			
Time Bottom Reached	0800	2000			
Time Last OH Bottom	0830	2000			
Time Out of Hole		2200			
Distance TD to Therm.		37'			
Thermometer #1	164	F 196	F	F	F
Thermometer #2		F 196	F	F	F
Thermometer #3		F	F	F	F

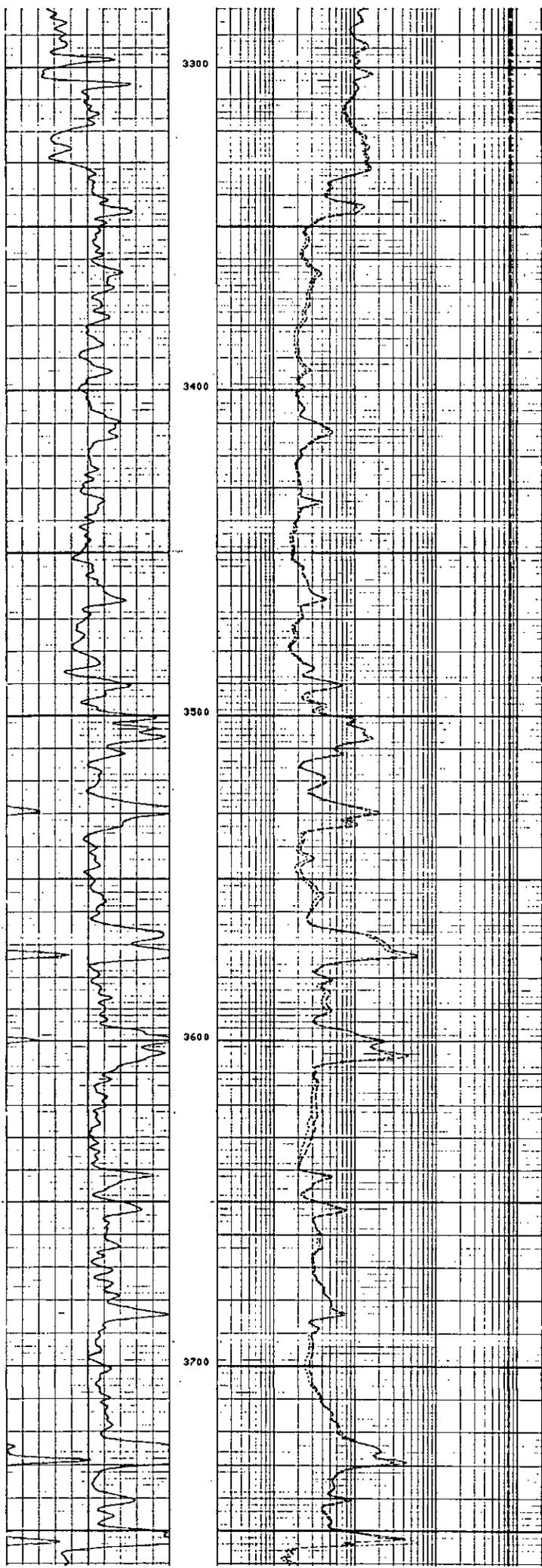
All interpretations are opinions based on information from electrical or other measurements and are not guaranteed for accuracy or consistency of any data. Schlumberger and its subsidiaries accept no liability or responsibility for any loss, claim, damage or expense incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our General Terms and Conditions on file and our current Price Schedule.

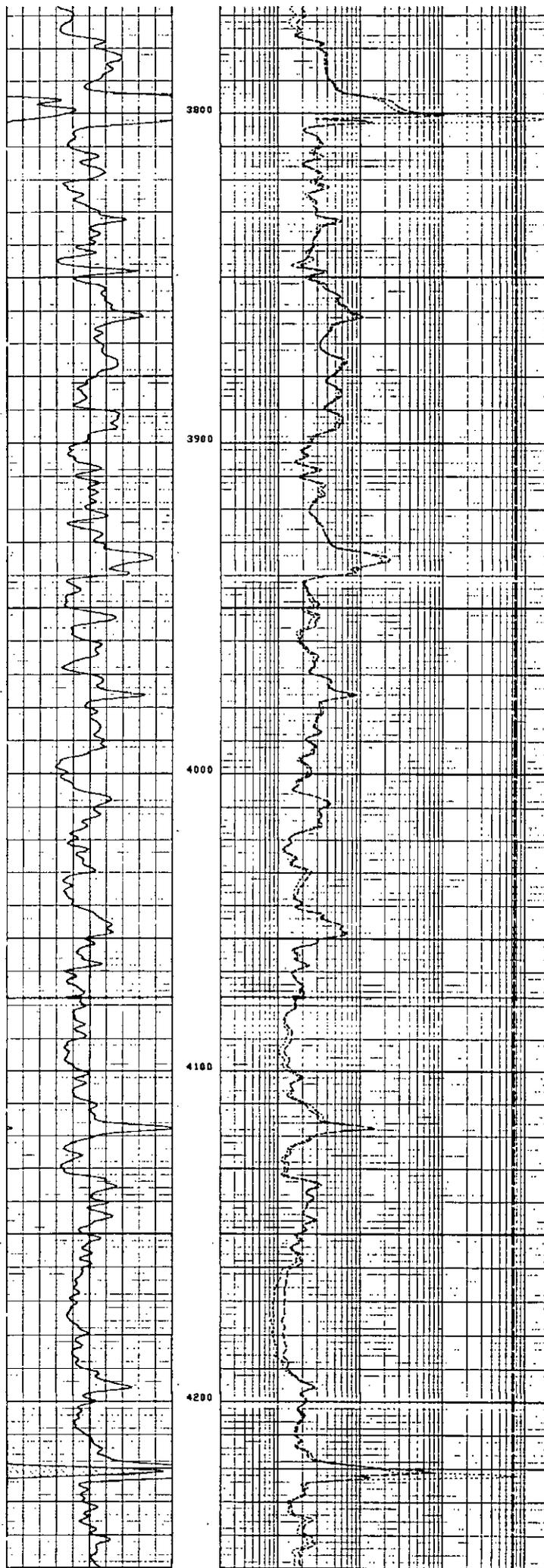


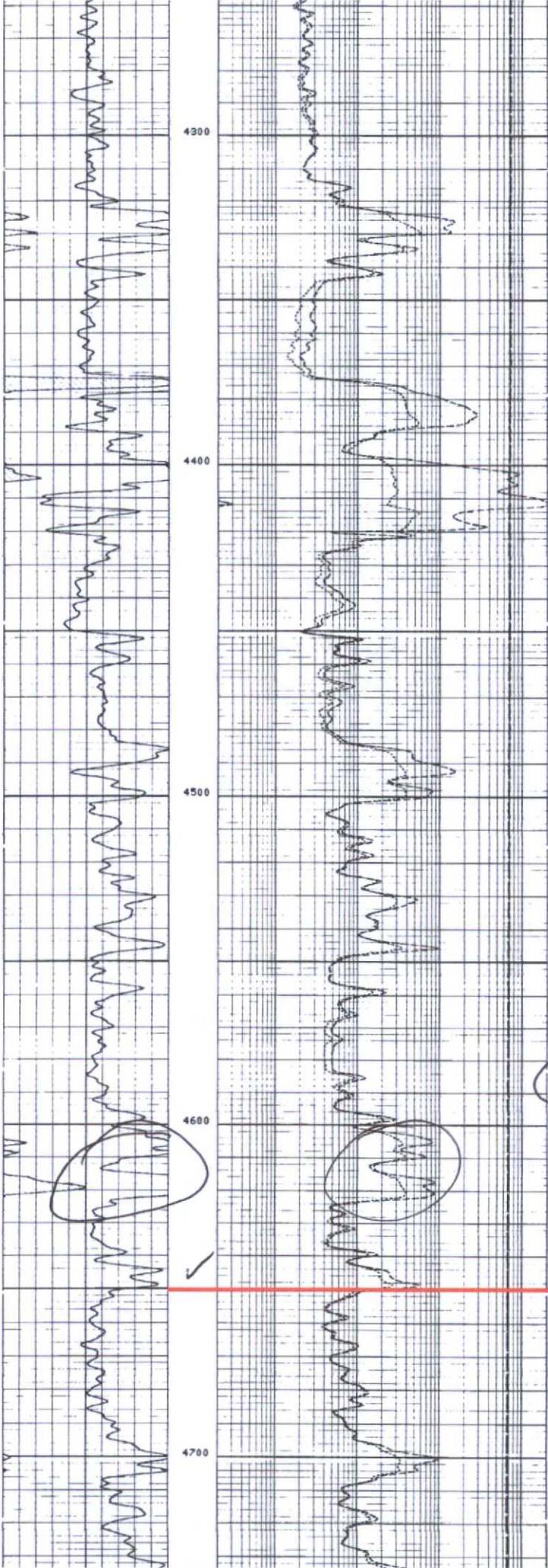


TOP PROPOSED
INTERVAL 2450'



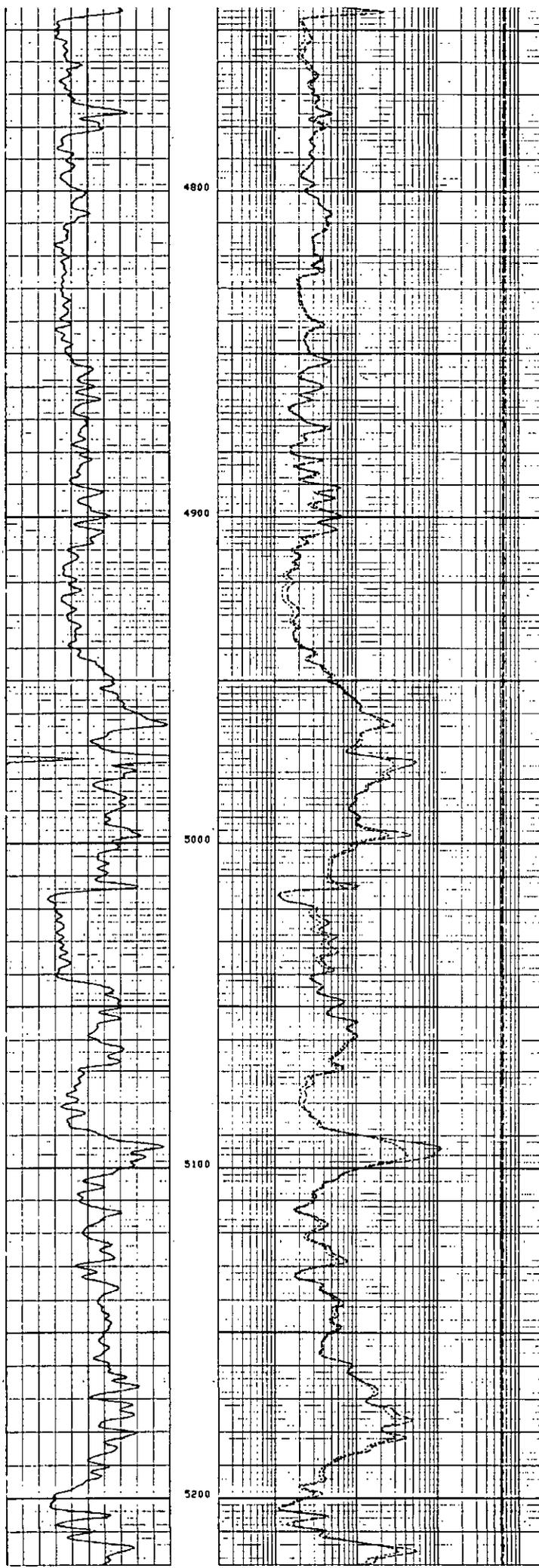


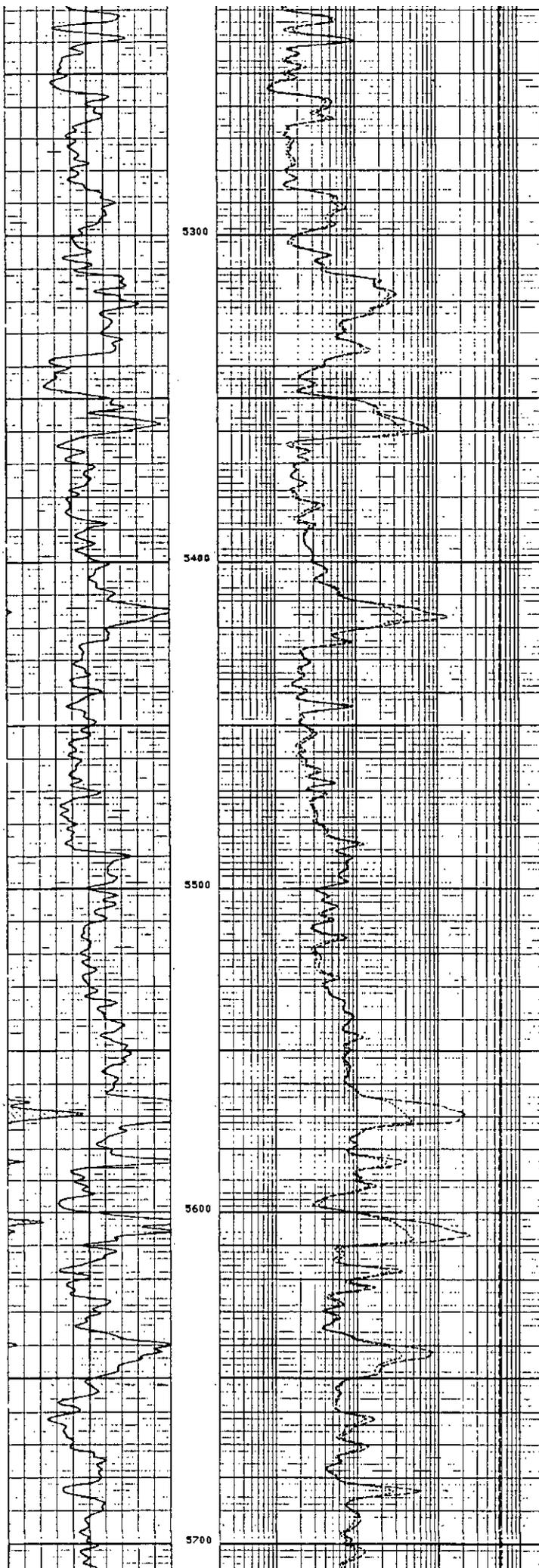


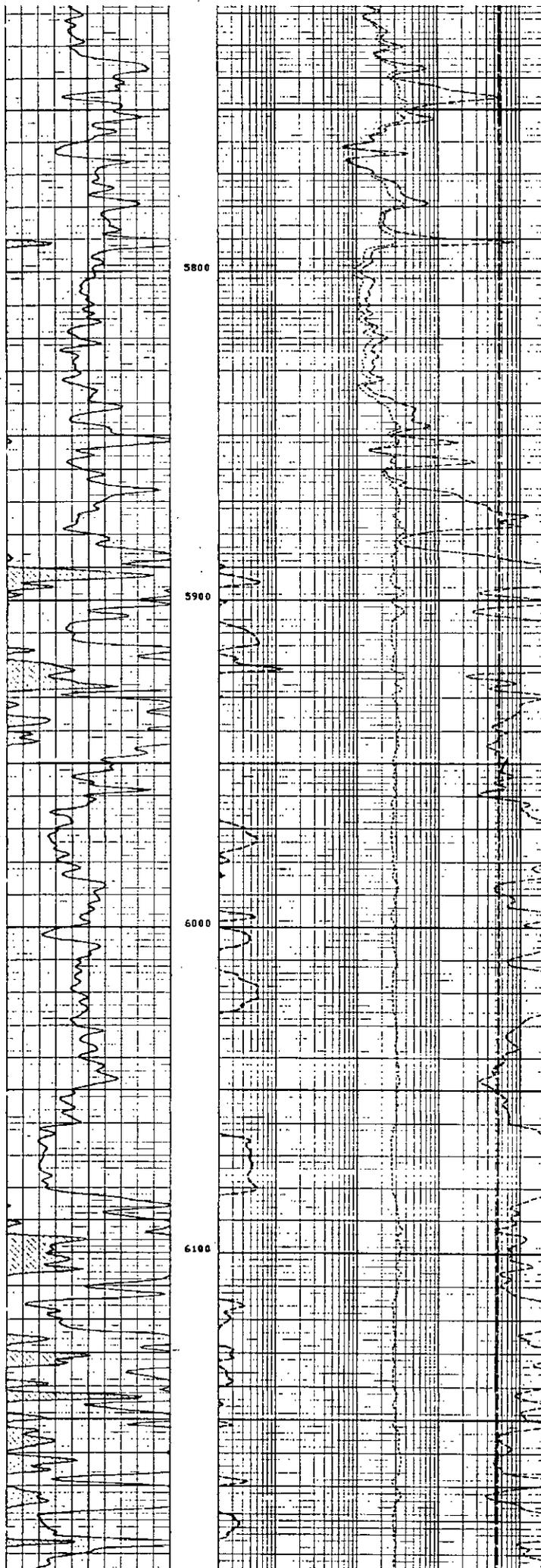


4590
4600
X

BOTTOM
PROPOSED
INTERVAL 4650'







C-108 ITEM VII – PROPOSED OPERATION

The Pardue 30 SWD No.1 will be operated as a commercial disposal service to area operators to facilitate in disposal of produced water from typical producing formations in the area. (Samples are included in this application from Bone Spring formation waters - chlorides and TDS are compatible with Delaware formation waters.)

The system will be closed utilizing a tank battery facility located on the well site.

Injection pressure will be 490 psi with rates limited only by that pressure. In the future, Probitry Operating, LLC may opt to conduct a step rate test if it is determined that greater rates may be required. This would be submitted to OCD as a request to increase the injection pressure.

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

The facility will not be manned but will be available to Probitry Operating customers 24/7. The facility will be available for inspections at any time deemed necessary by OCD or BLM inspection staff.

C-108 - Item VII.5

Water Analysis - Disposal Zone - DELAWARE

P. O. BOX 1482
 HOUSTON, TEXAS 77254
 PH. 281-2251 DP 281-2844

Martin Water Laboratories, Inc.
 RESULT OF WATER ANALYSES

LABORATORY NO. 92293
 SAMPLE RECEIVED 9-16-92
 RESULTS REPORTED 9-18-92

TO: Mr. Joe Small
P. O. Box 51910, Midland, TX 79710

COMPANY Meridian Oil Company LEASE Daggar Lake #1
 FIELD OR POOL Wildcat
 SECTION BLOCK SURVEY COUNTY Lea STATE TX
 SOURCE OF SAMPLE AND DATE TAKEN:
 NO. 1 Recovered water - taken from Daggar Lake #1, 9-9-92
 NO. 2
 NO. 3
 NO. 4

REMARKS: Delaware

CHEMICAL AND PHYSICAL PROPERTIES				
	NO. 1	NO. 2	NO. 3	NO. 4
Specific Gravity at 60°F	1.1462			
Oil in Water (ppm)				
Oil Weight Recovered	0.26			
Barium (Ba) as HCO ₃	146			
Calcium (Ca) as CaCO ₃				
Magnesium (Mg) as CaCO ₃				
Total Hardness as CaCO ₃	30,500			
Calcium (Ca)	18,000			
Magnesium (Mg) as Mg	1,316			
Sodium (Na) as NaCl	68,587			
Sulfate (SO ₄)	947			
Chloride (Cl)	140,618			
Iron (Fe)	90.0			
Barium (Ba)				
Temperature (F)				
Conductivity (µmhos/cm)				
Total Solids (mg/L)	229,531			
Total Solids (ppm)				
Carbon Dioxide (mg/L)				
Dissolved Oxygen				
Hydrogen Sulfide	0.0			
Free Chlorine (mg/L)	0.053			
Residual Chlorine				
Total Dissolved Solids @ 180°C	184,361			

Water Analysis - Source Zone - BONE SPRING



Laboratory Analysis
 Endurance
 Jazzmaster 17 Stato #4H

Sample Date: 1/31/2014
 Requested by: T. Ratliff
 Lea Co. NM

		Water Analysis Measurements		Cations (mg/L)		Anions (mg/L)	
Oxygen (mg/L)	1.00	Oil in Water (ppm)	0.26	Barium (Ba)	0	Carbonate (CO ₃)	0
Carbon Dioxide (mg/L)	69.16	Specific Gravity	1.150	Calcium (Ca)	18,640	Bicarbonate (HCO ₃)	16.00
Hydrogen Sulfide (mg/L)	0.0	Total Dissolved Solids (TDS)	229,531	Magnesium (Mg)	300	Chloride (mg/L)	140,620
pH	5.7	(mg/L) Ca	18,000	Sodium (Na) (mg/L)	68,587	Sulfate (SO ₄)	319
Temperature °F	73	Total Hardness (mg/L)	30,500	Iron (Fe)	90.0		
				Manganese (Mn)	0.00		

C-108 ITEM VIII – GEOLOGIC INFORMATION

Disposal will be into the Bell Canyon and Cherry Canyon formations.

Both of these Delaware members are 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 are highly variable and often forms elective 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 Delaware Group in this immediate region is from 2450 feet to approximately 6300 feet. The Bell Canyon is between 2450 – 3400 feet, the Cherry Canyon is between 3400 – 4700 feet. The Brushy Canyon completes the group between 4700 – 6300 feet but was determined to be too tight for satisfactory injection in this well. Production quality porosity in these intervals is accompanied by low resistivity yielding high water saturations.

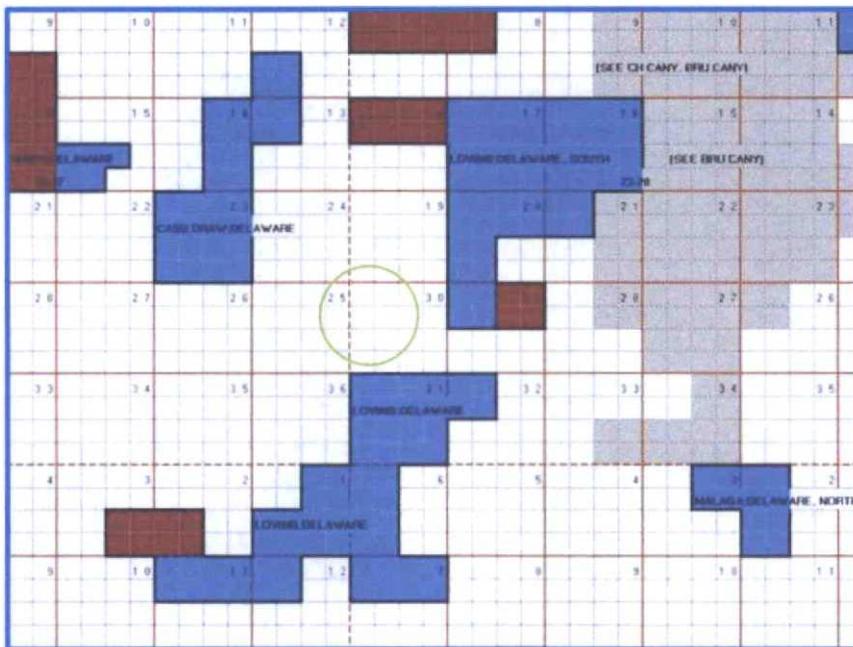
Fresh water in the area is generally available from the alluvial aquifer in the Carlsbad basin. State Engineer's records show water wells in the area to have an average depth of 88 feet and a minimum of 14 feet.

There are numerous water wells located within just inside the one mile radius of the proposed SWD. 2 of the closest wells are being sampled and analyses will be forwarded upon receipt.

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

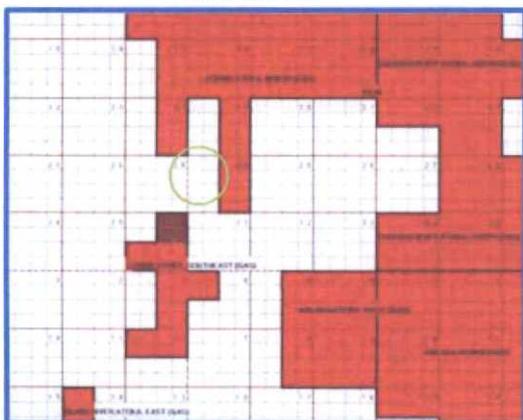
*In a two township area (23-27 & 23-28), there are 21 existing
 SWDs in the Delaware including Bell and Cherry Canyons.*

Delaware Pools in Region

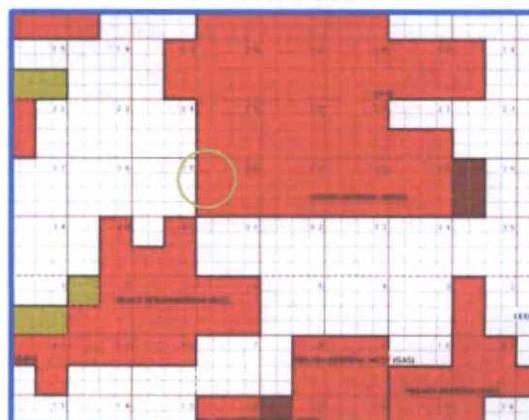


Most Area Production is Gas from Deeper Formations.

Atoka Pools

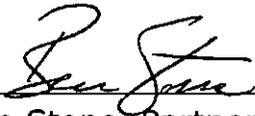


Morrow Pools



C-108.ITEM XII – GEOLOGIC AFFIRMATION.

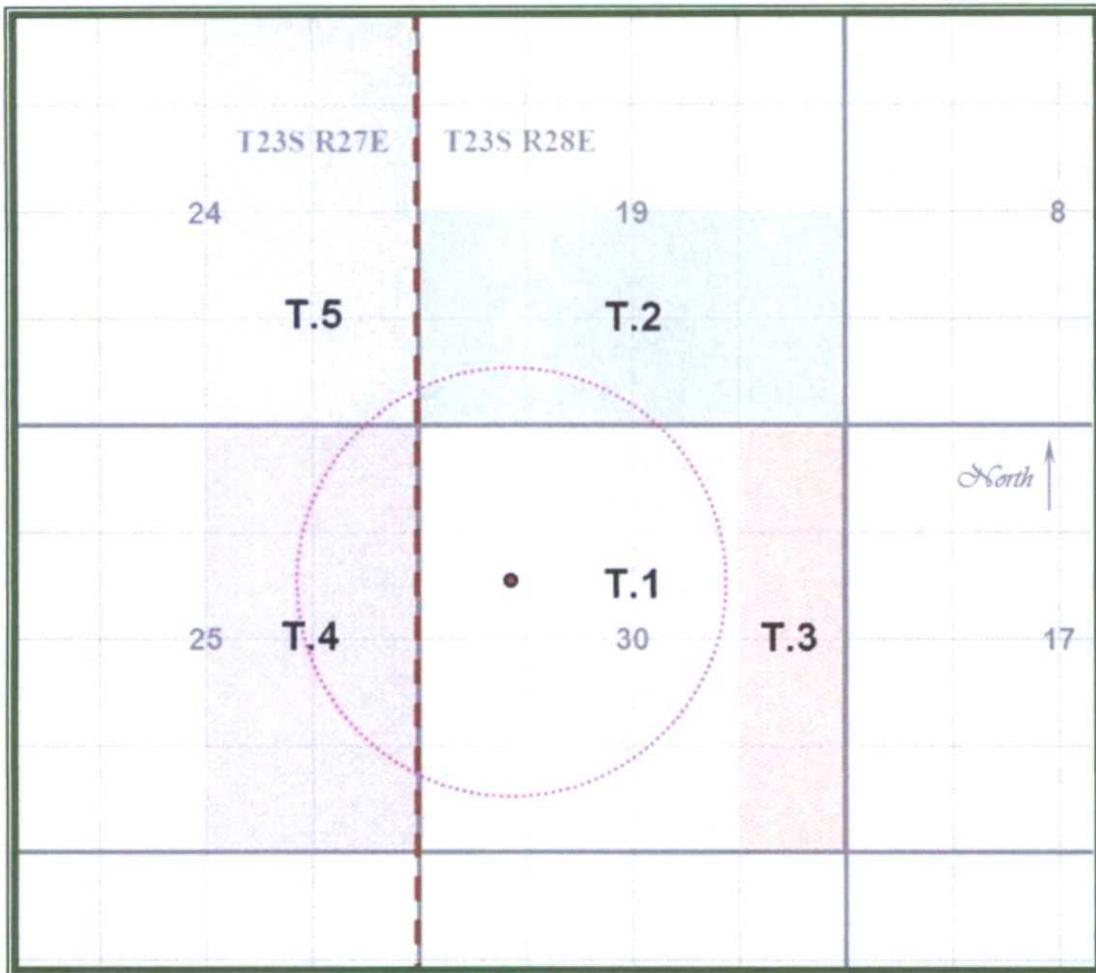
We have examined available geologic and engineering data and have found no evidence of open faults or other hydrologic connection between the disposal interval and any underground sources of drinking water.



Ben Stone, Partner
SOS Consulting, LLC

Project: Probity Operating, LLC
Pardue 30 Com Well No.1
Reviewed 4/14/2015

Pardue 30 SWD Well No.1 - Leasehold Plat
(Attachment to NMOCD Form C-108, Application for Authority to Inject.)



LEGEND

- T.1 – Fee Lease – H. McDonald, Surface Owner; Minerals Lessees: MRC Permian, Featherstone Development
- T.2 – Fee Lease – Legacy Reserves Operating, Nadel & Gussman Permian, Westall Oil, others
- T.3 – Fee Lease – SM Energy Company
- T.4 – Fee Lease – Chevron USA, Kaiser-Francis Oil, others
- T.5 – Fee Lease – Chevron USA, Kaiser-Francis Oil

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

SURFACE OWNER (Notified via USPS Certified Mail)

- 1 HENRY MCDONALD
P.O. Box 597
Loving, NM 88256-0597

MINERALS LESSEES and OPERATORS (All Notified via USPS Certified Mail)

Fee Lease (T.1 on plat.)

- 2 MRC PERMIAN
5400 LBJ Freeway, Ste.1500
Dallas, TX 75240
- 3 FEATHERSTONE DEVELOPMENT CORP.
P.O. Box 429
Roswell, NM88202-0429

Operator

- 4 ASPEN OIL, INC.
P.O. Box 2674
Hobbs, NM 88241

OFFSET MINERALS LESSEES and OPERATORS (All Notified via USPS Certified Mail)

Fee Lease (T.2 on plat.)

Lessees

- 5 LEGACY RESERVES OPERATING, LP
P.O. Box 10848
Midland, TX 79702
- 6 NADEL & GUSMANN PERMIAN, LLC
601 North Marienfeld, Ste. 508
Midland, TX 79701
- 7 WESTALL OIL & GAS, LLC
P.O. Box 4
Loco Hills, NM 88255

Fee Lease (T.3 on plat.)

- 8 SM ENERGY COMPANY
3300 N. A St., Bldg. 7-200
Midland, TX 79505

Operator

NADEL & GUSMANN PERMIAN, LLC
601 North Marienfeld, Ste. 508
Midland, TX 79701

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

Fee Lease (T.4 on plat.)

Lessees

- 9 CHEVRON USA, INC.
15 Smith Road
Midland, TX 79705
- 10 KAISER-FRANCIS OIL COMPANY
6733 S. Yale Ave.
Tulsa, OK 74136-3302

Operator

NADEL & GUSMANN PERMIAN, LLC
601 North Marienfeld, Ste. 508
Midland, TX 79701

Fee Lease (T.5 on plat.)

Lessees

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

KAISER-FRANCIS OIL COMPANY
6733 S. Yale Ave.
Tulsa, OK 74136-3302

REGULATORY

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

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



May 28, 2015

NOTIFICATION TO INTERESTED PARTIES

via U.S. Certified Mail

To Whom It May Concern:

Probity Operating, LLC, Midland, Texas, has made application to the New Mexico Oil Conservation Division to convert for salt water disposal its Pardue '30' Com Well No.1. The proposed commercial operation will be for produced water disposal from area operators. As indicated in the notice below, the well is located in Section 30, Township 23 South, Range 28 East in Eddy County, New Mexico.

The published notice states that the interval will be from 2450 feet to 4650 feet.

Following is the notice published in the Artesia Daily Press, Artesia, New Mexico on or about May 31, 2015

LEGAL NOTICE

Probity Operating LLC, P.O. Box 7307, Midland, TX 79708 is filing Form C-108 (Application for Authority to Inject) with the New Mexico Oil Conservation Division for administrative approval to permit for salt water disposal in the Pardue 30 Com Well No.1. The well, API No.30-015-24144 is located 1980 FNL & 983 FWL in Section 30, Township 23 South, Range 28 East in Eddy County, New Mexico. Produced water from area production will be commercially disposed into the Bell Canyon and Cherry Canyon formations through selected perforated intervals between a maximum applied for top of 2450 feet to maximum depth of 4650 feet and based on further log analysis. Maximum injection pressure will be 490 psi with a maximum rate limited only by such pressure.

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

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.

Thank you for your attention in this matter.

Best regards,

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

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

Cc: Application File

C-108 - Item XIV

Proof of Notice (Certified Mail Receipts)

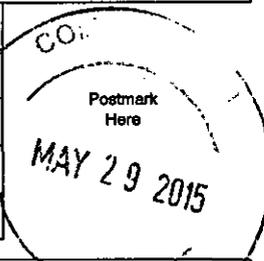
7014 2120 0003 7437 9817
7014 2120 0003 7437 9817
7014 2120 0003 7437 9817
7014 2120 0003 7437 9817

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OFFICIAL USE

Postage	\$ 49
Certified Fee	330
Return Receipt Fee (Endorsement Required)	270
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 649

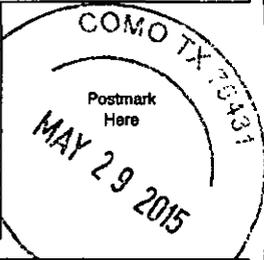


Sent To
Street & or PO Box
City, State
HENRY MCDONALD
P.O. Box 597
Loving, NM 88256-0597

For delivery information, visit our website at www.usps.com®.

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Postage	\$ 49
Certified Fee	330
Return Receipt Fee (Endorsement Required)	270
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 649

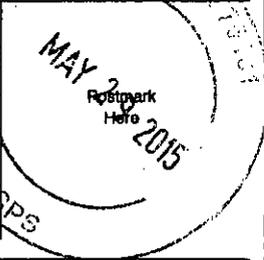


Sent To
Street & or PO Box
City, State
FEATHERSTONE DEVLPMNT CORP.
P.O. Box 429
Roswell, NM88202-0429

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Postage	\$ 49
Certified Fee	330
Return Receipt Fee (Endorsement Required)	270
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 649



Sent To
Street & or PO Box
City, State
LEGACY RESERVES OPERATING, LP
P.O. Box 10848
Midland, TX 79702

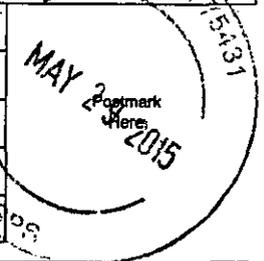
4298 2841 2120 0003 7437 9824
7014 2120 0003 7437 9817
7014 2120 0003 7437 9817
7014 2120 0003 7437 9817

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Postage	\$ 49
Certified Fee	330
Return Receipt Fee (Endorsement Required)	270
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 649

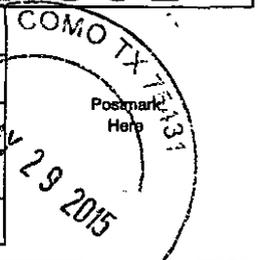


Sent To
Street & or PO Box
City, State
MRC PERMIAN
5400 LBJ Freeway, Ste. 1500
Dallas, TX 75240

For delivery information, visit our website at www.usps.com®.

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Postage	\$ 49
Certified Fee	330
Return Receipt Fee (Endorsement Required)	270
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 649

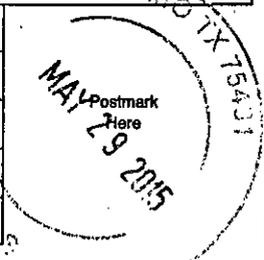


Sent To
Street & or PO Box
City, State
ASPEN OIL, INC.
P.O. Box 2674
Hobbs, NM 88241

For delivery information, visit our website at www.usps.com®.

OFFICIAL USE

Postage	\$ 49
Certified Fee	330
Return Receipt Fee (Endorsement Required)	270
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 649



Sent To
Street & or PO Box
City, State
NADEL & GUSMANN PERMIAN, LLC
601 North Marienfeld, Ste. 508
Midland, TX 79701

C-108 - Item XIV

Proof of Notice (Certified Mail Receipts – cont.)

7014 2120 0003 7437 9879

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Certified Fee	270	
Return Receipt Fee (Endorsement Required)	49	
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$ 649	

Sent To
 Street & / or PO Box
 City, State

WESTALL OIL & GAS, LLC
 P.O. Box 4
 Loco Hills, NM 88255

PS Form 3849, April 2008

7014 2120 0003 7437 9886

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Return Receipt Fee (Endorsement Required)	270	
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$ 649	

Sent To
 Street & / or PO Box
 City, State

SM ENERGY COMPANY
 3300 N. A St., Bldg. 7-200
 Midland, TX 79505

PS Form 3849, April 2008

7014 2120 0003 7437 9893

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Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$ 649	

Sent To
 Street & / or PO Box
 City, State

CHEVRON, USA
 15 Smith Road
 Midland, TX 79705

PS Form 3849, April 2008

7014 2120 0003 7437 9909

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Certified Fee	330	
Return Receipt Fee (Endorsement Required)	270	
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$ 649	

Sent To
 Street & / or PO Box
 City, State

KAISER-FRANCIS OIL COMPANY
 6733 S. Yale Ave.
 Tulsa, OK 74136-3302

PS Form 3849, April 2008

C-108 - Item XIV

Proof of Notice – Legal Notice
Newspaper of General Circulation

LEGAL NOTICE

Probit Operating LLC, P.O. Box 7307, Midland, TX 79708 is filing Form C-108 (Application for Authority to Inject) with the New Mexico Oil Conservation Division for administrative approval to permit for salt water disposal in the Pardue 30 Com Well No.1. The well, API No.30-015-24144 is located 1980 FNL & 983 FWL in Section 30, Township 23 South, Range 28 East in Eddy County, New Mexico. Produced water from area production will be commercially disposed into the Bell Canyon and Cherry Canyon formations through selected perforated intervals between a maximum applied for top of 2450 feet to maximum depth of 4650 feet and based on further log analysis. Maximum injection pressure will be 490 psi with a maximum rate limited only by such pressure.

Interested parties wishing to object to the proposed application must file with the New Mexico Oil Conservation Division, 1220 St. Francis Dr., Santa Fe, NM 87505, (505)476-3460 within 15 days of the date of this notice. Additional information may be obtained from the applicant's agent, SOS Consulting, LLC, (903)488-9850 or, email info@sosconsulting.us.
Published in the Artesia Daily Press, Artesia, N.M., May 31, 2015 Legal No. 23514.

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.

Goetze, Phillip, EMNRD

From: Goetze, Phillip, EMNRD
Sent: Thursday, August 27, 2015 3:07 PM
To: Ben Stone
Subject: RE: Probity Pardue 30 Com. No. 1

Ben:

That's fine, but legal counsel has stated in my conversation with them about this situation that since the operator has changed, one more round of notification will be required. This would entail a letter to the same parties notified for the original application explaining the change plus publication of the change. E-mail/call with any questions. PRG

Phillip R. Goetze, P.G.
Engineering and Geological Services Bureau, Oil Conservation Division
1220 South St. Francis Drive, Santa Fe, NM 87505
O: 505.476.3466 F: 505.476.3462
phillip.goetze@state.nm.us



From: Ben Stone [mailto:ben@sosconsulting.us]
Sent: Thursday, August 27, 2015 2:41 PM
To: Goetze, Phillip, EMNRD
Subject: Re: Probity Pardue 30 Com. No. 1

Phillip,

Probity SWD, LLC should be the operator; same people, same address.

Please advise.

Thanks,
Ben

Goetze, Phillip, EMNRD

Thursday, August 27, 2015 2:59 PM

Ben:

That's fine. One more item that you will need to clear up with your client. The application gives the operator as Probity Operating, LLC with OGRID No. 296278. Unfortunately, this OGRID is for Probity SWD, LLC which is an operator of a single well and a blanket bond. Probity Operating, LLC has OGRID No. 269709 and no bond in place. Probity Operating, LLC will be required to satisfy the financial assurance requirement if the SWD order is to have them as the operator. Talk with your client and find out when they can get a bond in place. PRG

Phillip R. Goetze, P.G.

Engineering and Geological Services Bureau, Oil Conservation Division

1220 South St. Francis Drive, Santa Fe, NM 87505

O: 505.476.3466 F: 505.476.3462

phillip.goetze@state.nm.us



From: Ben Stone [<mailto:ben@sosconsulting.us>]

Sent: Thursday, August 27, 2015 12:12 PM

To: Goetze, Phillip, EMNRD

Subject: Re: Probity Pardue 30 Com. No. 1

Hi Phillip,

Sorry, I probably dropped the ball... again.

I had asked the client to get those done and in checking my emails, I don't see I ever got them either.

I've asked them again and to please expedite.

I'll send them on as soon as possible.

Thanks,
Ben

SUPPLEMENTAL and/or CORRECTED INFORMATION
(September 2, 2015)

For

PROBITY SWD, LLS's C-108 SUBMITTED
May 29, 2015

On its

PARDUE '30' NO.1 SWD

Correcting the applicant name from
Probity Operating, LLC
To
Probity SWD, LLC

RECEIVED OGD
2015 SEP -8 P 3:27

Package Contents

1. Letter to Interested Parties
2. Certified Mail Receipts
3. Affidavit of Publication
4. Water Well Sample Analysis



August 28, 2015

NOTIFICATION TO INTERESTED PARTIES
via U.S. Certified Mail

To Whom It May Concern:

THIS LETTER IS ONLY TO CORRECT THE PREVIOUS NOTIFICATION YOU RECEIVED. THAT NOTICE, THE PUBLISHED NOTICE AND THE C-108 APPLICATION INCORRECTLY STATED PROBITY OPERATING, LLC AS THE OPERATOR. THE OPERATOR IS PROBITY SWD, LLC. THIS NOTICE AND THE NEW PUBLISHED LEGAL NOTICE ARE BEING MADE TO CORRECT THAT ERROR. NO OTHER FACTS OF THE WELL OR APPLICATION HAVE CHANGED.

Probity SWD, LLC, Midland, Texas, has made application to the New Mexico Oil Conservation Division to convert for salt water disposal its Pardue '30' Com Well No.1. The proposed commercial operation will be for produced water disposal from area operators. As indicated in the notice below, the well is located in Section 30, Township 23 South, Range 28 East in Eddy County, New Mexico.

The published notice states that the interval will be from 2450 feet to 4650 feet.

Following is the notice to be published in the Artesia Daily Press, Artesia, New Mexico on or about August 31, 2015

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Probity SWD LLC, P.O. Box 7307, Midland, TX 79708 is filing Form C-108 (Application for Authority to Inject) with the New Mexico Oil Conservation Division for administrative approval to permit for salt water disposal in the Pardue 30 Com Well No.1. The well, API No.30-015-24144 is located 1980 FNL & 983 FWL in Section 30, Township 23 South, Range 28 East in Eddy County, New Mexico. Produced water from area production will be commercially disposed into the Bell Canyon and Cherry Canyon formations through selected perforated intervals between a maximum applied for top of 2450 feet to maximum depth of 4650 feet and based on further log analysis. Maximum injection pressure will be 490 psi with a maximum rate limited only by such pressure.

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

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

You have received to a full copy of the application previously in PDF format on a mini-CD. For additional information please call or email SOS Consulting, LLC at 903-488-9850, info@sosconsulting.us.

Thank you for your attention in this matter.

Best regards,

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

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

Cc: Application File

C-108 - Item XIV

Proof of Notice (Certified Mail Receipts)

7015 0640 0007 9482 5271
7015 0640 0007 9482 52
7015 0640 0007 9482 52
7015 0640 0007 9482 52

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 Return Receipt (electronic) \$
 Certified Mail Restricted Delivery \$
 Adult Signature Required \$
 Adult Signature Restricted Delivery \$

Postage \$
 Total Postage and Fees \$ 6.74

Sent To
 Street and Apt. **HENRY MCDONALD**
P.O. Box 597
 City, State, ZIP+4® **Loving, NM 88256-0597**

PS Form 3800

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 Extra Services & Fees (check box, add fee as appropriate)
 Return Receipt (hardcopy) \$
 Return Receipt (electronic) \$
 Certified Mail Restricted Delivery \$
 Adult Signature Required \$
 Adult Signature Restricted Delivery \$

Postage \$
 Total Postage and Fees \$ 6.74

Sent To
 Street and Apt. **FEATHERSTONE DEVLPMNT CORP.**
P.O. Box 429
 City, State, ZIP+4® **Roswell, NM88202-0429**

PS Form 3800

For delivery information, visit our website at www.usps.com®.

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 Extra Services & Fees (check box, add fee as appropriate)
 Return Receipt (hardcopy) \$
 Return Receipt (electronic) \$
 Certified Mail Restricted Delivery \$
 Adult Signature Required \$
 Adult Signature Restricted Delivery \$

Postage \$
 Total Postage and Fees \$ 6.74

Sent To
 Street and Apt. **LEGACY RESERVES OPERATING, LP**
P.O. Box 10848
 City, State, ZIP+4® **Midland, TX 79702**

PS Form 3800

7015 0640 0007 9482 5286
7015 0640 0007 9482 52
7015 0640 0007 9482 52
7015 0640 0007 9482 52

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 Extra Services & Fees (check box, add fee as appropriate)
 Return Receipt (hardcopy) \$
 Return Receipt (electronic) \$
 Certified Mail Restricted Delivery \$
 Adult Signature Required \$
 Adult Signature Restricted Delivery \$

Postage \$
 Total Postage and Fees \$ 6.74

Sent To
 Street and Apt. **MRC PERMIAN**
5400 LBJ Freeway, Ste.1500
 City, State, ZIP+4® **Dallas, TX 75240**

PS Form 3800

For delivery information, visit our website at www.usps.com®.

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 Extra Services & Fees (check box, add fee as appropriate)
 Return Receipt (hardcopy) \$
 Return Receipt (electronic) \$
 Certified Mail Restricted Delivery \$
 Adult Signature Required \$
 Adult Signature Restricted Delivery \$

Postage \$
 Total Postage and Fees \$ 6.74

Sent To
 Street and Apt. **ASPEN OIL, INC.**
P.O. Box 2674
 City, State, ZIP+4® **Hobbs, NM 88241**

PS Form 3800

For delivery information, visit our website at www.usps.com®.

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Certified Mail Fee \$
 Extra Services & Fees (check box, add fee as appropriate)
 Return Receipt (hardcopy) \$
 Return Receipt (electronic) \$
 Certified Mail Restricted Delivery \$
 Adult Signature Required \$
 Adult Signature Restricted Delivery \$

Postage \$
 Total Postage and Fees \$ 6.74

Sent To
 Street and Apt. **WESTALL OIL & GAS, LLC**
P.O. Box 4
 City, State, ZIP+4® **Loco Hills, NM 88255**

PS Form 3800

C-108 - Item XIV

Proof of Notice (Certified Mail Receipts - cont.)

7015 0640 0007 9482 6186

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Extra Services & Fees (check box, add fee as appropriate)

Return Receipt (hardcopy) \$

Return Receipt (electronic) \$

Certified Mail Restricted Delivery \$

Adult Signature Required \$

Adult Signature Restricted Delivery \$

Postage \$

Total Postage and Fees \$ 6.74

Sent To

Street and A. SM ENERGY COMPANY

City, State, ZIP+4® 3300 N. A St., Bldg. 7-200
Midland, TX 79505

PS Form 3800

7015 0640 0007 9482 6193

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Certified Mail Fee \$

Extra Services & Fees (check box, add fee as appropriate)

Return Receipt (hardcopy) \$

Return Receipt (electronic) \$

Certified Mail Restricted Delivery \$

Adult Signature Required \$

Adult Signature Restricted Delivery \$

Postage \$

Total Postage and Fees \$ 6.74

Sent To

Street and A. CHEVRON, USA

City, State, ZIP+4® 15 Smith Road
Midland, TX 79705

PS Form 3800

7015 0640 0007 9482 6209

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Certified Mail Fee \$

Extra Services & Fees (check box, add fee as appropriate)

Return Receipt (hardcopy) \$

Return Receipt (electronic) \$

Certified Mail Restricted Delivery \$

Adult Signature Required \$

Adult Signature Restricted Delivery \$

Postage \$

Total Postage and Fees \$ 6.74

Sent To

Street and A. KAISER-FRANCIS OIL COMPANY

City, State, ZIP+4® 6733 S. Yale Ave.
Tulsa, OK 74136-3302

PS Form 3800

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Certified Mail Fee \$ 3.45

Extra Services & Fees (check box, add fee as appropriate)

Return Receipt (hardcopy) \$ 2.80

Return Receipt (electronic) \$

Certified Mail Restricted Delivery \$

Adult Signature Required \$

Adult Signature Restricted Delivery \$

Postage \$ 49

Total Postage and Fees \$ 6.74

Sent To

Street and Apt. NADEL & GUSMANN PERMIAN, LLC

City, State, ZIP+4® 601 North Marienfeld, Ste. 508
Midland, TX 79701

PS Form 3800

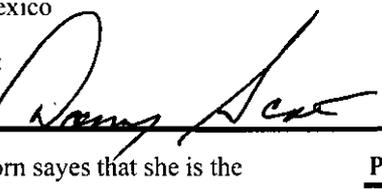
Affidavit of Publication

No. 23625

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 Notice

was published in a regular and entire issue of the said Artesia Daily Press, a daily newspaper duly qualified for that purpose within the meaning of Chapter 167 of the 1937 Session Laws of the state of New Mexico for 1 Consecutive weeks/day on the same

day as follows:

First Publication	<u>August 30, 2015</u>
Second Publication	
Third Publication	
Fourth Publication	
Fifth Publication	
Sixth Publication	

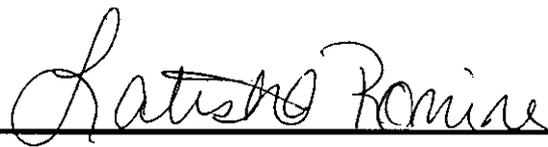
Subscribed and sworn before me this

31st day of August 2015



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

THIS LEGAL NOTICE IS TO CORRECT THE PREVIOUS PREVIOUSLY PUBLISHED NOTICE WHICH INCORRECTLY STATED PROBITY OPERATING, LLC AS THE OPERATOR. THE OPERATOR IS PROBITY SWD, LLC. NO OTHER FACTS OF THE WELL OR APPLICATION HAVE CHANGED:

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Published in the Artesia Daily Press, Artesia, N.M., August 30, 2015 Legal No. 23625.

July 14, 2015

G A BABER
PROBITY SWD
P. O. BOX 1772
HOBBS, NM 88241

RE: PARDUE

Enclosed are the results of analyses for samples received by the laboratory on 06/29/15 13:38.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Total Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

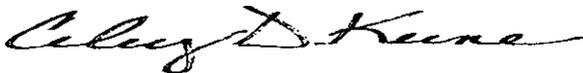
Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Celey D. Keene
Lab Director/Quality Manager

Analytical Results For:

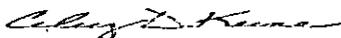
PROBITY SWD P. O. BOX 1772 HOBBS NM, 88241	Project: PARDUE Project Number: NONE GIVEN Project Manager: G A BABER Fax To:	Reported: 14-Jul-15 15:45
--	--	------------------------------

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
# 1	H501664-01	Water	29-Jun-15 00:00	29-Jun-15 13:38
# 2	H501664-02	Water	29-Jun-15 00:00	29-Jun-15 13:38

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 PROBITY SWD
 P. O. BOX 1772
 HOBBS NM, 88241

 Project: PARDUE
 Project Number: NONE GIVEN
 Project Manager: G A BABER
 Fax To:

 Reported:
 14-Jul-15 15:45

1

H501664-01 (Water)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Inorganic Compounds

Alkalinity, Bicarbonate	283		5.00	mg/L	1	5061811	AP	30-Jun-15	310.1	
Alkalinity, Carbonate	ND		0.00	mg/L	1	5061811	AP	30-Jun-15	310.1	
Chloride*	36.0		4.00	mg/L	1	5070205	AP	02-Jul-15	4500-Cl-B	
Conductivity*	794		1.00	uS/cm	1	5070905	AP	09-Jul-15	120.1	
pH*	7.36		0.100	pH Units	1	5070906	AP	09-Jul-15	150.1	
Sulfate*	107		25.0	mg/L	2.5	5070703	AP	07-Jul-15	375.4	
TDS*	460		5.00	mg/L	1	5062410	AP	02-Jul-15	160.1	
Alkalinity, Total*	232		4.00	mg/L	1	5061811	AP	30-Jun-15	310.1	

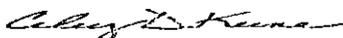
Green Analytical Laboratories
Total Recoverable Metals by ICP (E200.7)

Calcium*	99.9		0.200	mg/L	10	B507050	JLM	10-Jul-15	EPA200.7	
Magnesium*	42.9		1.00	mg/L	10	B507050	JLM	10-Jul-15	EPA200.7	
Potassium*	ND		10.0	mg/L	10	B507050	JLM	10-Jul-15	EPA200.7	
Sodium*	26.7		10.0	mg/L	10	B507050	JLM	10-Jul-15	EPA200.7	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 PROBITY SWD
 P. O. BOX 1772
 HOBBS NM, 88241

 Project: PARDUE
 Project Number: NONE GIVEN
 Project Manager: G A BABER
 Fax To:

 Reported:
 14-Jul-15 15:45

2

H501664-02 (Water)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Inorganic Compounds

Alkalinity, Bicarbonate	292		5.00	mg/L	1	5061811	AP	30-Jun-15	310.1	
Alkalinity, Carbonate	ND		0.00	mg/L	1	5061811	AP	30-Jun-15	310.1	
Chloride*	40.0		4.00	mg/L	1	5070205	AP	02-Jul-15	4500-Cl-B	
Conductivity*	761		1.00	uS/cm	1	5070905	AP	09-Jul-15	120.1	
pH*	7.53		0.100	pH Units	1	5070906	AP	09-Jul-15	150.1	
Sulfate*	111		25.0	mg/L	2.5	5070703	AP	07-Jul-15	375.4	
TDS*	482		5.00	mg/L	1	5062410	AP	02-Jul-15	160.1	
Alkalinity, Total*	240		4.00	mg/L	1	5061811	AP	30-Jun-15	310.1	

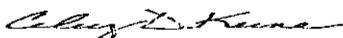
Green Analytical Laboratories
Total Recoverable Metals by JCP (E200.7)

Calcium*	95.4		0.200	mg/L	10	B507050	JLM	10-Jul-15	EPA200.7	
Magnesium*	40.4		1.00	mg/L	10	B507050	JLM	10-Jul-15	EPA200.7	
Potassium*	ND		10.0	mg/L	10	B507050	JLM	10-Jul-15	EPA200.7	
Sodium*	23.5		10.0	mg/L	10	B507050	JLM	10-Jul-15	EPA200.7	

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

PROBITY SWD P. O. BOX 1772 HOBBS NM, 88241	Project: PARDUE Project Number: NONE GIVEN Project Manager: G A BABER Fax To:	Reported: 14-Jul-15 15:45
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Inorganic Compounds - Quality Control
Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 5061811 - General Prep - Wet Chem

Blank (5061811-BLK1)		Prepared & Analyzed: 18-Jun-15								
Alkalinity, Carbonate	ND	0.00	mg/L							
Alkalinity, Bicarbonate	ND	5.00	mg/L							
Alkalinity, Total	ND	4.00	mg/L							

LCS (5061811-BS1)		Prepared & Analyzed: 18-Jun-15								
Alkalinity, Carbonate	ND	0.00	mg/L				80-120			
Alkalinity, Bicarbonate	126	5.00	mg/L				80-120			
Alkalinity, Total	104	4.00	mg/L	100		104	80-120			

LCS Dup (5061811-BSD1)		Prepared & Analyzed: 18-Jun-15								
Alkalinity, Carbonate	ND	0.00	mg/L				80-120		20	
Alkalinity, Bicarbonate	126	5.00	mg/L				80-120	0.00	20	
Alkalinity, Total	104	4.00	mg/L	100		104	80-120	0.00	20	

Batch 5062410 - Filtration

Blank (5062410-BLK1)		Prepared: 24-Jun-15 Analyzed: 29-Jun-15								
TDS	ND	5.00	mg/L							

LCS (5062410-BS1)		Prepared: 24-Jun-15 Analyzed: 29-Jun-15								
TDS	512	5.00	mg/L	527		97.2	80-120			

Duplicate (5062410-DUP1)		Source: H501608-06 Prepared: 24-Jun-15 Analyzed: 29-Jun-15								
TDS	670	5.00	mg/L		690			2.94	20	

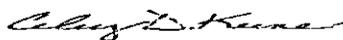
Batch 5070205 - General Prep - Wet Chem

Blank (5070205-BLK1)		Prepared & Analyzed: 02-Jul-15								
Chloride	ND	4.00	mg/L							

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

PROBITY SWD P. O. BOX 1772 HOBBS NM, 88241	Project: PARDUE Project Number: NONE GIVEN Project Manager: G A BABER Fax To:	Reported: 14-Jul-15 15:45
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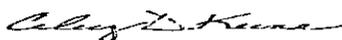
Inorganic Compounds - Quality Control
Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5070205 - General Prep - Wet Chem										
LCS (5070205-BS1) Prepared & Analyzed: 02-Jul-15										
Chloride	108	4.00	mg/L	100		108	80-120			
LCS Dup (5070205-BSD1) Prepared & Analyzed: 02-Jul-15										
Chloride	96.0	4.00	mg/L	100		96.0	80-120	11.8	20	
Batch 5070703 - General Prep - Wet Chem										
Blank (5070703-BLK1) Prepared & Analyzed: 07-Jul-15										
Sulfate	ND	10.0	mg/L							
LCS (5070703-BS1) Prepared & Analyzed: 07-Jul-15										
Sulfate	19.9	10.0	mg/L	20.0		99.7	80-120			
LCS Dup (5070703-BSD1) Prepared & Analyzed: 07-Jul-15										
Sulfate	20.2	10.0	mg/L	20.0		101	80-120	1.15	20	
Batch 5070905 - General Prep - Wet Chem										
LCS (5070905-BS1) Prepared & Analyzed: 09-Jul-15										
Conductivity	489		uS/cm	500		97.8	80-120			
Duplicate (5070905-DUP1) Source: H501664-01 Prepared & Analyzed: 09-Jul-15										
Conductivity	779	1.00	uS/cm		794			1.91	20	
Batch 5070906 - General Prep - Wet Chem										
LCS (5070906-BS1) Prepared & Analyzed: 09-Jul-15										
pH	7.09		pH Units	7.00		101	90-110			

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

PROBITY SWD P. O. BOX 1772 HOBBS NM, 88241	Project: PARDUE Project Number: NONE GIVEN Project Manager: G A BABER Fax To:	Reported: 14-Jul-15 15:45
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Inorganic Compounds - Quality Control
Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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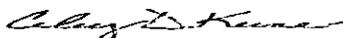
Batch 5070906 - General Prep - Wet Chem

Duplicate (5070906-DUP1)	Source: H501664-01		Prepared & Analyzed: 09-Jul-15							
pH	7.40	0.100	pH Units		7.36			0.542	20	

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 PROBITY SWD
 P. O. BOX 1772
 HOBBS NM, 88241

 Project: PARDUE
 Project Number: NONE GIVEN
 Project Manager: G A BABER
 Fax To:

 Reported:
 14-Jul-15 15:45

Total Recoverable Metals by ICP (E200.7) - Quality Control
Green Analytical Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B507050 - EPA 200.2
Blank (B507050-BLK1)

Prepared: 08-Jul-15 Analyzed: 10-Jul-15

Potassium	ND	1.00	mg/L							
Sodium	ND	1.00	mg/L							
Calcium	ND	0.020	mg/L							
Magnesium	ND	0.100	mg/L							

LCS (B507050-BS1)

Prepared: 08-Jul-15 Analyzed: 10-Jul-15

Potassium	8.33	1.00	mg/L	8.00		104	85-115			
Magnesium	21.7	0.100	mg/L	20.0		108	85-115			
Sodium	6.73	1.00	mg/L	6.48		104	85-115			
Calcium	4.11	0.020	mg/L	4.00		103	85-115			

LCS Dup (B507050-BSD1)

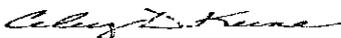
Prepared: 08-Jul-15 Analyzed: 10-Jul-15

Sodium	6.83	1.00	mg/L	6.48		105	85-115	1.44	20	
Potassium	8.70	1.00	mg/L	8.00		109	85-115	4.25	20	
Magnesium	22.0	0.100	mg/L	20.0		110	85-115	1.25	20	
Calcium	4.16	0.020	mg/L	4.00		104	85-115	1.39	20	

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Celey D. Keene, Lab Director/Quality Manager

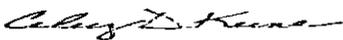
Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
 (575) 393-2326 FAX (575) 393-2476

BILL TO ANALYSIS REQUEST

Company Name: Prob. 17 Project Manager: G.A. Babben		P.O. #: Company: Attn: Address: City: State: Zip:	
Address: P.O. Box 1772 City: Hobbs State: NM Zip: 88241		Phone #: 575-318-7521 Fax #: 575-392-2592 Project #: PAR DUF Project Owner: Project Name: SA-M-E Project Location: Sampler Name:	
FOR LAB USE ONLY Lab I.D. H501664 Sample I.D.		MATRIX <input type="checkbox"/> (G)RAB OR (C)OMP. <input type="checkbox"/> # CONTAINERS <input checked="" type="checkbox"/> GROUNDWATER <input type="checkbox"/> WASTEWATER <input type="checkbox"/> SOIL <input type="checkbox"/> OIL <input type="checkbox"/> SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER :	
Relinquished By: DBB Date:		RECEIVED BY: Judy Parva Date: 4/25/15 TIME:	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		CHECKED BY: (Initials) Sample Condition: 140 Cool: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Relinquished By: DBB Date:		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
Relinquished By: DBB Date:		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #:	
Relinquished By: DBB Date:		REMARKS:	

* Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326

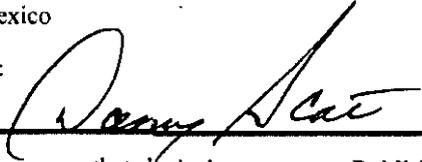
Affidavit of Publication

No. 23514

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 Notice

was published in a regular and entire issue of the said Artesia Daily Press, a daily newspaper duly qualified for that purpose within the meaning of Chapter 167 of the 1937 Session Laws of the state of New Mexico for 1 Consecutive weeks/day on the same

day as follows:

First Publication May 31, 2015

Second Publication _____

Third Publication _____

Fourth Publication _____

Fifth Publication _____

Sixth Publication _____

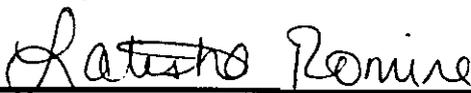
Subscribed and sworn before me this

1st day of June 2015



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

Probitly Operating LLC, P.O. Box 7307, Midland, TX 79708 is filing Form C-108 (Application for Authority to Inject) with the New Mexico Oil Conservation Division for administrative approval to permit for salt water disposal in the Pardue 30 Com Well No. 1. The well, API No. 30-015-24144 is located 1980 FNL & 983 FWL in Section 30, Township 23 South, Range 28 East in Eddy County, New Mexico. Produced water from area production will be commercially disposed into the Bell Canyon and Cherry Canyon formations through selected perforated intervals between a maximum applied for top of 2450 feet to maximum depth of 4650 feet and based on further log analysis. Maximum injection pressure will be 490 psi with a maximum rate limited only by such pressure.

Interested parties wishing to object to the proposed application must file with the New Mexico Oil Conservation Division, 1220 St. Francis Dr., Santa Fe, NM 87505, (505)478-3460 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., May 31, 2015 Legal No. 23514.



C-108 Review Checklist: Received 6/3/15 Add. Request: * Required: Re-notification/wrong operator Reply Date: 6/3/15 Suspended: Disputed in Appl. (Ver 16)

ORDER TYPE: WFX / PMX (SWD) Number: 1578 Order Date: 10/1/15 Legacy Permits/Orders: None

Well No. 1 Well Name(s): Pardue 30 Com.

API: 30-0 15-24H4 Spud Date: 04/21/02 New or Old: New (UIC Class II Primacy 03/07/1982)

Footages 1980 FNL / 983 FWL Lot 2 or Unit [E] Sec 30 Tsp 23S Rge 28E County Eddy

General Location: 2 miles WSW of Loving; Taylors Rd. Pool: [Morrow/Loving North] SWD: Bell & Cherry Pool No.: [80095] 96802

BLM 100K Map: Carlsbad Operator: Probita SWD, LLC* OGRID: 296278 Contact: B. Stone / 305 Consulting

COMPLIANCE RULE 5.9: Total Wells: 1 Inactive: 0 Fincl Assur: Yes Compl. Order? No IS 5.9 OK? Yes Date: 10/1/15

WELL FILE REVIEWED Current Status: Producer-Morrow / no reported production since 2010 (< 10 mcfpd);

WELL DIAGRAMS: NEW: Proposed or RE-ENTER: Before Conv. After Conv. Logs in Imaging: 1 GR/OLL

Planned Rehab Work to Well: PB well from Morrow perms to below approved interval (3 CBP + 3 cmt plugs); perf

Well Construction Details	Sizes (in) Borehole / Pipe	Setting Depths (ft)	Cement Sx or Cf.	Cement Top and Determination Method
Planned <input type="checkbox"/> or Existing <input checked="" type="checkbox"/> Surface	17 1/2 / 13 3/8	0 to 560	475 + 150	Cir. to surface
Planned <input type="checkbox"/> or Existing <input checked="" type="checkbox"/> Intern/Prod	12 1/4 / 9 5/8	0 to 2330	1250 + 400	Cir. to surface
Planned <input type="checkbox"/> or Existing <input checked="" type="checkbox"/> Intern/Prod	8 1/2 / 7	0 to 10500	850 + 525	<Calc? - no survey>
Planned <input type="checkbox"/> or Existing <input checked="" type="checkbox"/> Prod/Liner	/ 4 1/2	1095 to 12678	375	Calc. to intern
Planned <input type="checkbox"/> or Existing <input type="checkbox"/> Liner				
Planned <input checked="" type="checkbox"/> or Existing <input type="checkbox"/> OH / PERF	Morrow/existing (liner) perms	P: 2500 E: 2450 to 4680 12070 to 12160 (490)	Inj Length 1680	

Injection Lithostratigraphic Units:	Injection or Confining Units	Completion/Operation Details:
Adjacent Unit: Litho. Struc. Por.	"Salt" 0 to 2400	Drilled TD <u>12680</u> PBDT <u>12174</u>
Confining Unit: <u>Litho</u> <u>Struc</u> <u>Por.</u>	Delaware Sand Perm 2400	NEW TD <u>---</u> NEW PBDT <u>4680</u>
Proposed Inj Interval TOP: <u>2450</u> <u>2500</u>	Bell Canyon D 2450	NEW Open Hole <input type="checkbox"/> or NEW Perfs <input checked="" type="checkbox"/>
Proposed Inj Interval BOTTOM: <u>4680</u> <u>4590</u>	Cherry Canyon M	Tubing Size <u>3 1/2</u> in. Inter Coated? <u>Yes</u>
Confining Unit: Litho. Struc. Por.	Brushy Canyon P.G.	Proposed Packer Depth <u>2355</u> <u>2100</u> ft
Adjacent Unit: Litho. Struc. Por.	Base Salin	Min. Packer Depth <u>2250</u> <u>2100</u> (ft limit)
		Proposed Max. Surface Press. <u>490</u> psi
		Admin. Inj. Press. <u>490</u> <u>500</u> (0.2 psi per ft)

AOR: Hydrologic and Geologic Information

POTASH: R-111-P NA Noticed? NA BLM Sec Ord NA WIPP Noticed? NA Sal/Salado T: --- B: --- NW: Cliff House fm NA

FRESH WATER: Aquifer Saltan alluvial & minor bedrock Max Depth 1230 HYDRO AFFIRM STATEMENT By Qualified Person

NMOSE Basin: Carlsbad CAPITAN REEF: thru --- adj --- NA No. GW Wells in 1-Mile Radius? 15/8 FW Analysis? Yes

Disposal Fluid: Formation Source(s) BS/WC/Delaware Analysis: (No) Historical Reasoning On Lease Operator Only or Commercial

Disposal Interval: Inject Rate (Avg/Max BWPd): max at pressure Potable Waters? No Source: Sample System: Closed or Open

HC Potential: Producing Interval? No Formerly Producing? No Method: Logs/DST/P&A/Other --- 2-Mile Radius Pool Map

AOR Wells: 1/2-M. Radius Map? Yes Well List? NA Total No. Wells Penetrating Interval: 0 Horizontals? 0

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

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

NOTICE: Newspaper Date 8/30/2015 Mineral Owner Fee same both Surface Owner Fee N. Date: 8/20/15

RULE 26.7(A): Identified Tracts? Yes Affected Persons: Chevron/Kaiser (P&A) / Madel & Gorman / SM Energy / Featherstone Develop / MRC / Asper / Westall / Loggins Date: 8/29/15

Order Conditions: Issues: Unknown cmt top; injection interval > 1500'

Add Order Cond: Injection survey within 2 years of commencing; 7-in. logged for cmt top.