

RECEIVED: <u>5/4/2018</u>	REVIEWER:	TYPE: <u>SWD</u>	APP NO: <u>PMAM1813451371</u>
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ABOVE THIS TABLE FOR OCD DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
 - Geological & 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

Applicant: Fulfer Oil & Cattle, LLC**OGRID Number:** 141402**Well Name:** Kimmy K SWD No.2**API:** 30-025-26490**Pool:** SWD; Seven Rivers-Queen**Pool Code:** 96132

SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED BELOW

1) TYPE OF APPLICATION: Check those which apply for [A]

A. Location – Spacing Unit – Simultaneous Dedication

☐ NSL☐ NSP (PROJECT AREA)☐ NSP (PRORATION UNIT)☐ SD

B. Check one only for [I] or [II]

[I] Commingling – Storage – Measurement

☐ DHC☐ CTB☐ PLC☐ PC☐ OLS☐ OLM

[II] Injection – Disposal – Pressure Increase – Enhanced Oil Recovery

☐ WFX☐ PMX☒ SWD☐ IPI☐ EOR☐ PPR

MAY 11 2018 PM 12:58

2) NOTIFICATION REQUIRED TO: Check those which apply.A. ☒ Offset operators or lease holdersB. ☐ Royalty, overriding royalty owners, revenue ownersC. ☒ Application requires published noticeD. ☒ Notification and/or concurrent approval by SLOE. ☒ Notification and/or concurrent approval by BLMF. ☒ Surface ownerG. ☒ For all of the above, proof of notification or publication is attached, and/or,H. ☐ No notice required**FOR OCD ONLY**☐ Notice Complete☐ Application
Content
Complete

3) 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

5/10/2018

Date

903-488-9850

Phone Number

ben@sosconsulting.us

e-mail Address



May 10, 2018

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

Attn: Ms. Heather Riley, Director

Re: Application of Fulfer Oil & Cattle, LLC to reinstate and otherwise permit for salt water disposal its Kimmy K SWD Well No.2, located in Section 29, Township 24 South, Range 37 East, NMPM, Lea County, New Mexico.

Dear Ms. Riley,

Please find the enclosed form C-108 Application for Authority to Inject, supporting the above-referenced request to permit for disposal, Kimmy K SWD No.2. The well was previously authorized for salt water disposal by division order R-7137. During the industry slowdown, the well was inadvertently allowed to lose that authority. Fulfer's intent is to reinstate this to service their on-lease operations only as the well has done since 1982. It's a low-rated situation and no outside water will be accepted.

Fulfer Oil & Cattle seeks to optimize efficiency, both economically and operationally, of 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 and protection of correlative rights.

Published legal notice ran in the May 4, 2018 edition of the Hobbs News-Sun and all offset operators and other interested parties have been notified individually. The legal notice affidavit is included in this application. This application also includes a wellbore schematic, area of review maps, affected party plat 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 Fulfer Oil & Cattle, LLC

Cc: Application attachment and file

APPLICATION FOR AUTHORIZATION TO INJECT

- I. PURPOSE: ***Salt Water Disposal – Application Meets Qualifications for Administrative Approval.***
- II. OPERATOR: ***Fulfer Oil & Cattle, LLC***
ADDRESS: ***P.O. Box 1224, Jal, NM 87252***
- CONTACT PARTY: ***Gregg Fulfer (575) 631-0522***
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. ***18 AOR wells penetrate the subject interval; 4 P&A'd***. The data includes a description of each well's type, construction, date drilled, location, depth, and a schematic of any plugged wells 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. ***No stimulation program is proposed at this time. Perfs may be acidized w/ up to 5,000 gals. 15% HCl.***
- *X. ***4 well logs are available on OCD Online. A strip of the Compensated Neutron / Formation Density is ATTACHED.***
- *XI. ***State Engineer's records indicate 1 water wells within one mile the proposed salt water disposal well; analysis 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. There are 7 offset lessees and/or operators within ½ mile - all have been noticed via U.S. Certified Mail.***
- 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 Fulfer Oil & Cattle, LLC***

SIGNATURE:  DATE: ***5/09/2018***

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

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

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

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. Affidavit 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.

Form C-108 Item VI - Tabulation of AOR Wells

Top of Proposed SEVEN RIVERS Interval 3400'

18 Wells Penetrate Proposed Interval.

30-025-26490	[141402] FULFER OIL & CATTLE LLC	KIMMY K	#002	SWD	Private	Shut In	F-29-24S-37E	3661'
See attached CURRENT and PROPOSED Wellbore Diagrams.								
30-025-23599	[14372] MCDONNOLD OPERATING INC	JACK A 29	#005	Oil	Federal	Active	B-29-24S-37E	3630'
	LANGLIE MATTIX (7R-Q-GRB) Perfs: 3439'-3612'; 8.625" (12.25" hole) @ 770' w/ 350 sx - circ.; 5.5" (7.875" hole) @ 3630' w/ 150 sx - TOC @ 2950' by Temp.							
30-025-26243	[141402] FULFER OIL & CATTLE LLC	KIMMY K	#001	Gas	Private	Active	C-29-24S-37E	3680'
	7R-Q-GRB Perfs: 3407'-3504'; 8.625" (12.0" hole) @ 417' w/ 350 sx - circ.; 4.5" (7.875" hole) @ 3680' w/ 675 sx - Circ.							
30-025-11282	[873] APACHE CORPORATION	W H HARRISON A WN COM	#002	Gas	Private	Active	D-29-24S-37E	3650'
	JALMAT (TNSL-YTS-7R-Q) P8TD 3335' Perfs: 2920'-3333'; 13.375" (15.0" hole) w/ 270 sx to surf; 9.625" (12.0" hole) @ 2862' w/ 727 sx - circ.; 7.0" (8.75" hole) @ 3556' w/ 100 sx + 450 sx SQZ to Surf.							
30-025-26239	[214263] PRE-ONGARD WELL OPERATOR	PRE-ONGARD WELL	#002	Oil	P&A-R	P&A-R	D-29-24S-37E	3682'
	7/28/1988							
30-025-26060	[214263] PRE-ONGARD WELL OPERATOR	PRE-ONGARD WELL	#001	Gas	P&A-R	P&A-R	E-29-24S-37E	3680'
	See P&A Diagram...							
30-025-23685	[14372] MCDONNOLD OPERATING INC	JACK A 29	#006	Injection	Federal	Active	G-29-24S-37E	3675'
	LANGLIE MATTIX (7R-Q) Perfs: 3110'-42'; 8.625" (12.25" hole) @ 756' w/ 350 sx - circ.; 5.5" (7.875" hole) @ 3675' w/ 150 sx + 100 sx SQZ - N/R.							
30-025-32643	[14372] MCDONNOLD OPERATING INC	JACK A 29	#009	Gas	Federal	Active	H-29-24S-37E	3700'
	JALMAT (TNSL-YTS-7R-Q) P8TD 3360' Perfs: 3025'-3220'; 8.625" (12.25" hole) @ 435' w/ 250 sx - circ.; 5.5" (7.875" hole) @ 3700' w/ 1200 sx - Circ.							
30-025-23779	[14372] MCDONNOLD OPERATING INC	JACK A 29	#007	Oil	Federal	Active	J-29-24S-37E	3660'
	LANGLIE MATTIX (7R-Q) Perfs: 3395'-3579'; 8.625" (12.25" hole) @ 770' w/ 350 sx - circ.; 5.5" (7.875" hole) @ 3660' w/ 150 sx - N/R.							
30-025-24788	[14372] MCDONNOLD OPERATING INC	JACK A 29	#008	Gas	Federal	Active	J-29-24S-37E	3200'
	DOES NOT PENETRATE PROPOSED INTERVAL...							
30-025-27367	[873] APACHE CORPORATION	WM H HARRISON D WN COM	#007	Gas	Private	Active	K-29-24S-37E	3756'
	JALMAT (TNSL-YTS-7R-Q) P8TD 3395' Perfs: 2971'-3357'; 8.625" (12.25" hole) @ 1165' w/ 1150 sx - circ.; 5.5" (7.875" hole) @ 3756' w/ 1000 sx - Circ.							
30-025-11283	[873] APACHE CORPORATION	WM H HARRISON D WN COM	#001	Gas	Private	P&A-R	L-29-24S-37E	3699'
	2/3/2012							
30-025-26437	[141402] FULFER OIL & CATTLE LLC	KIMMY	#003	Oil	Private	Active	L-29-24S-37E	3670'
	LANGLIE MATTIX (7R-Q) Perfs: 3410'-3510'; 8.625" (12.0" hole) @ 420' w/ 350 sx - circ.; 4.5" (7.875" hole) @ 3670' w/ 700 sx - Circ.							
30-025-26638	[141402] FULFER OIL & CATTLE LLC	KIMMY	#004	Oil	Private	Active	M-29-24S-37E	3653'
	LANGLIE MATTIX (7R-Q) Perfs: 3404'-3505'; 8.625" (12.0" hole) @ 423' w/ 350 sx - circ.; 5.5" (7.875" hole) @ 3653' w/ 575 sx - TOC @ 400' by Temp.							
30-025-24669	[873] APACHE CORPORATION	WM H HARRISON D WN COM	#006	Gas	Private	Active	N-29-24S-37E	3656'
	JALMAT (TNSL-YTS-7R-Q) P8TD 3640' Perfs: 2951'-3259'; 7.625" (10.25" hole) @ 400' w/ 160 sx - circ.; 4.5" (6.75" hole) @ 3656' w/ 50 sx - N/R.							



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

30-025-26036	[36671] WESTBROOK OIL CORP	HENRY HARRISON	#001	Gas	Private	Active	N-20-24S-37E	3816'
			LANGLIE MATTIX (7R-Q) PBTD 3640' / Perfs: 3390'-3454'; 8.625" (12.0" hole) @ 443' w/ 325 sx - circ.; 5.5" (7.875" hole) @ 3816' w/ 1200 sx - Circ.					
30-025-11284	[143199] ENERVEST OPERATING L.L.C.	JACK B 30	#001	Oil	Federal	Active	H-30-24S-37E	3372'
			JALMAT (TNSL-YTS-7R-Q) Perfs: 2837'-3500'; 7.625" (10.25" hole) @ 1164' w/ 550 sx - TOC 1400' by Est.; 5.5" (6.75" hole) @ 2833' w/ 500 sx; 4.5" LRN (4.75" hole) 2755'-3711' w/ 1077 sx TOL.					
30-025-11285	[214263] PRE-ONGARD WELL OPERATOR	PRE-ONGARD WELL	#001	Gas		P&A-R	I-30-24S-37E	3803' 3/10/1977
			See P&A Diagram...					
30-025-26100	[138008] SPECIAL ENERGY CORP	GULF EDDIE CORRIGAN	#002	Gas	Private	Active	I-30-24S-37E	3750'
			LANGLIE MATTIX (7R-Q-GRB) Perfs: 3389'-3503'; 8.625" (12.25" hole) @ 461' w/ 350 sx - circ.; 5.5" (7.875" hole) @ 3732' w/ 775 sx - Circ.					
30-025-25464	[16696] OXY USA INC	C D WOOLWORTH	#004	Oil	Private	Active	3-30-24S-37E	3700'
			JALMAT (TNSL-YTS-7R-Q) Perfs: 3190'-3662'; 8.625" (12.25" hole) @ 365' w/ 300 sx - Circ.; 4.5" (7.875" hole) @ 3700' w/ 1100 sx - Circ.					

SUMMARY: 18 wells in 1/2 mile radius penetrate proposed disposal interval; 4 P&A.

Goetze, Phillip, EMNRD

From: Ron Harrison <rmharriz51@aol.com>
Sent: Tuesday, May 1, 2018 2:28 PM
To: Goetze, Phillip, EMNRD
Cc: hma123@hotmail.com; richardcrawford590@yahoo.com
Subject: Fulfer Oil & Cattle, LLC Application of SWD

Dear Mr. Goetze,

I am writing to protest the application for a permit to dispose of salt water in the Kimmey K SWD No. 2 well located in Section 29, Township 24 South, 37 East in Lea County, 5.3 miles north of Jal, NM. My brother and I are the owners of the property.

My understanding is that the application is for a commercial permit that would allow for public access to the disposal well. I have no issue with Mr. Fulfer's current plans to use the well to dispose of salt water produced from three nearby wells that he owns; however, I would have an issue with the possibility that it could be opened up for public use at some later date.

For this reason, I would like to see this permit denied, but would have no issue with a more restrictive use permit for Mr. Fulfer's nearby three wells.

Thank you for your consideration.

Sincerely,

Ronald Harrison



WELL SCHEMATIC - CURRENT **Kimmy K SWD Well No.2 SWD**

(Expired TA)

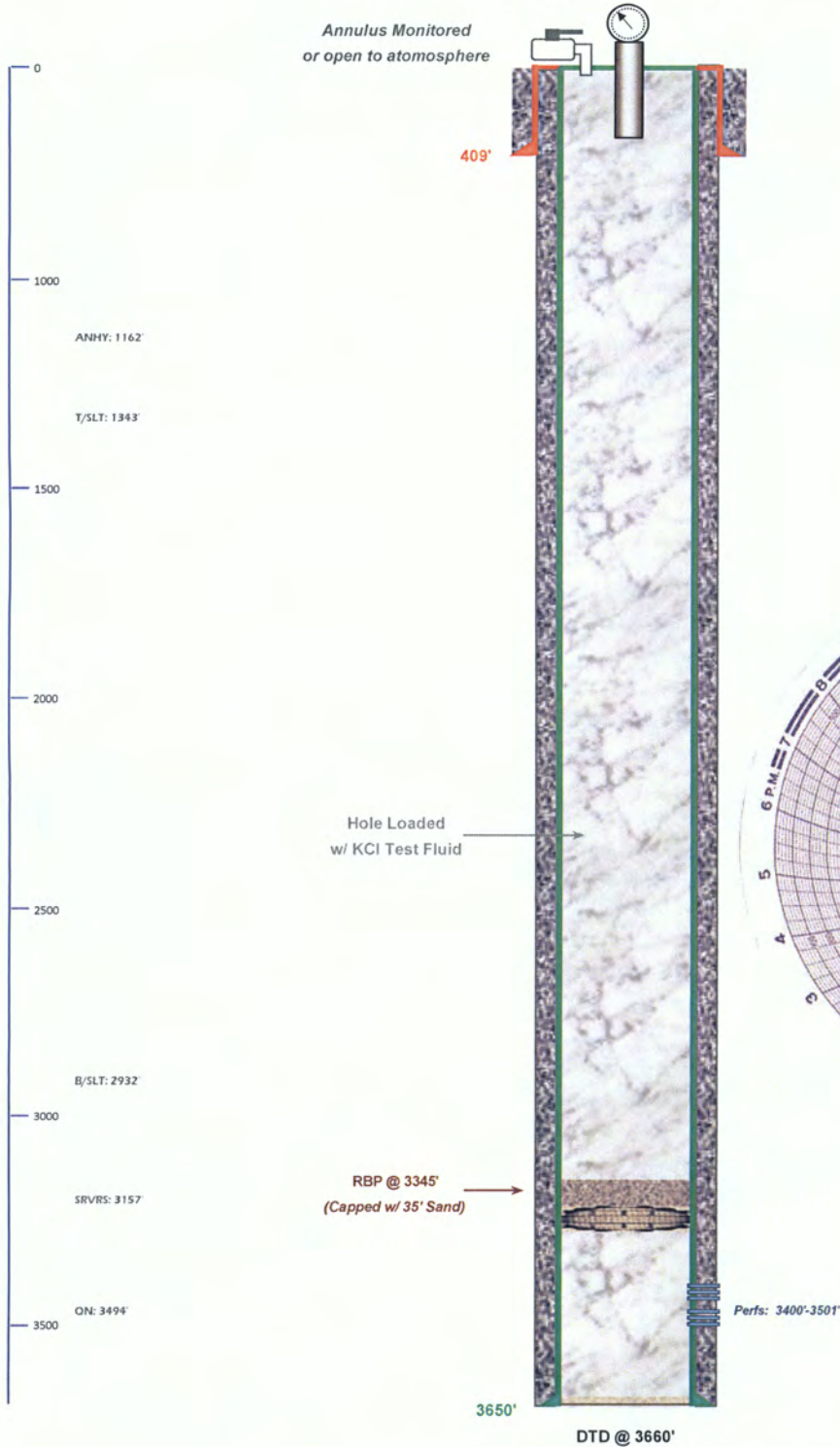
API 30-025-26490

2310' FNL & 1650' FEL, SEC. 29-T24S-R37E
 LEA COUNTY, NEW MEXICO

SWD; Seven Rivers-Queen (96132)

Spud Date: 10/04/1979

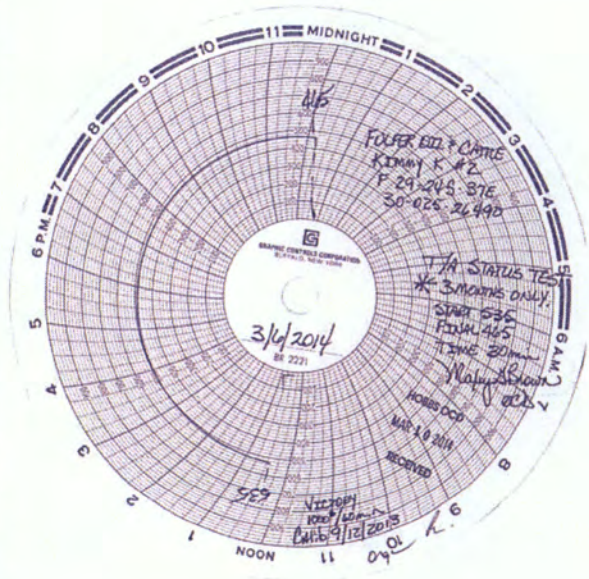
TA Date: 3/06/2014



Surface Casing

8.625", 23.0# K-55 Csg. (12.0" Hole) @ 409'
 350 sx - Circ. 100 sx to Surface

Last MIT 3/06/2014



Production Casing

4.5", 9.6# K-55 Csg. (7.875" Hole) @ 3650'
 w/ 650 sx; Circ. 30 sx to Surface

Drawn by: Ben Stone, 5/01/2018





WELL SCHEMATIC - PROPOSED Kimmy K SWD Well No.2 SWD

API 30-025-26490

2310' FNL & 1650' FEL, SEC. 29-T24S-R37E
LEA COUNTY, NEW MEXICO

SWD; Seven Rivers-Queen (96132)

Spud Date: 10/04/1979
Config SWD Dt (Est): ~7/01/2

Annulus Monitored
or open to atmosphere

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

Surface Casing

8.625", 23.0# K-55 Csg. (12.0" Hole) @ 409'
350 sx - Circ. 100 sx to Surface

Annulus Loaded
w/ Inert Packer Fluid



Reconfigure to SWD: Pull RBP.
Acidize Perfs w/ 2500 gals. 15% HCl
Run PC Tubing and PKR - Conduct MIT.
Commence Disposal Operations.

LOG STRIP



GROSS
INJECTION
INTERVAL
(3400'-3501')

2.875" IC Tubing (or smaller)

PKR ~3300'±

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

Perfs: 3400'-3501'

Production Casing

4.5", 9.5# K-55 Csg. (7.875" Hole) @ 3650'
650 sx - Circ. 30 sx to Surface

3650'

DTD @ 3660'

Drawn by: Ben Stone, 5/01/2018



C-108 ITEM VI – AOR WELL INFORMATION

Plugged Well Schematics

PLUGGED WELL SCHEMATIC

Harrison Well No.2

API 30-025-26239

990' FNL & 330' FWL, SEC. 29-T24S-R37E
LEA COUNTY, NEW MEXICO

Spud Date: 9/30/1974

P&A Date: 7/28/1988

Well Plugged by:
John Yuronka

<PLUGGING ITEMS LISTED LEFT>

PLUGS:

25 sx
310'-0'

P&A Marker

G.L. 3287'

<PRE-P&A EXISTING ITEMS LISTED RIGHT>

Surface Casing

8.625", 23.0# Csg (12.0" Hole) @ 417'
400 sx Cls 'C' w/ 1% - Circ. to Surface

417'

<P&A SUBSEQUENT SUNDRY>

ENERGY AND MINERALS DEPARTMENT	
NO. OF SUNDRIES	
DISTRIBUTION	
SHUTTER	
FILE	
U.S. & C.	
U.S. & C.	
OPERATION	

OIL CONSERVATION DIVISION
7. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-103
Revised 10-1-78

SUNDRY NOTICES AND REPORTS ON WELLS		14. Indicate Type of Lease	
DO NOT USE THIS FORM FOR NOTICES OR REPORTS ON WELLS. IT IS FOR SUNDRIES ONLY. IT IS NOT TO BE USED FOR NOTICES OR REPORTS ON WELLS.		15. Lease Agreement Date	
1. Name of Operator		16. Name of Lessee	
JOHN YURONKA		Harrison	
2. Address of Operator		17. Field and Prod. or Widened	
214 W. Texas, Suite 1009, Midland, Texas 79701		Langley Mattix Co. Inc.	
3. Location of Well		18. County	
4. Section		Lea	
5. Township			
6. Range			
7. North			
8. East			
9. Section			
10. Elevation (Show whether SF, RT, GR, etc.)			
3287' OF			

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data		SUBSEQUENT REPORT OF:	
NOTICE OF INTENTION TO:			
PERFORM REPAIRS, WORK	PLUG AND ABANDON	PERFORM REPAIRS	PLUG AND ABANDON
REPAIRS REQUIRED	REPAIRS REQUIRED	REPAIRS REQUIRED	REPAIRS REQUIRED
PLUG AND ABANDON	PLUG AND ABANDON	PLUG AND ABANDON	PLUG AND ABANDON
OTHER	OTHER	OTHER	OTHER

11. Describe Proposed or Completed Operations (Clearly state all pertinent data, and give pertinent dates, including estimated date of starting any proposed work) SEE PAGE 1 OF 2.

7/26 - MUD
7/27 - POH with rods & tubing. Set CIBP @ 3347'. GIH with tubing, spot 10 sacks on top unable to circ.
7/28 - Set CIBP @ 3300'. Unable to circ. Set CIBP @ 3000'. Spot 10 sacks on top, circ hole with 9.5# mud. POH to 310'. Mix 25 sacks from 310' - surf. Cut off M, install 1304, RMD.

12. I hereby certify that the information shown is true and complete to the best of my knowledge and belief.	
Signature	Authorized Agent
John Yuronka	8-11-88
Signature	INSPECTOR
NOV 04 1991	

6. CONDITIONS OF APPROVAL, IF ANY:

Cap w/ 10 sx
3000'-2900'

CIBP @ 3000'

Circ. Hole w/
9.5# Mud Ladened Fluid

Cap w/ 10 sx
Calc'd @ 3250'

CIBP @ 3347'

Formation Fluids

3682'

TD @ 3682'

Production / Inter. Casing

4.5", 9.5# csg. (7.875" Hole) @ 3682'
900 sx Cls 'C' - Circ. 175 sx to Surf.

Perfs 3393'-3494' (2 jsplf)

Acidize w/ 4200 gals. 15% NE HCl; 42000# CO₂ Frac.

PBTD @ 3632'



Drawn by: Ben Stone, 4/23/2018

PLUGGED WELL SCHEMATIC

Harrison Well No.1

API 30-025-26060

1980' FNL & 660' FEL, SEC. 29-T24S-R37E
LEA COUNTY, NEW MEXICO

Spud Date: 8/21/1978

P&A Date: 7/29/1988

Well Plugged by:
John Yuronka

<PLUGGING ITEMS LISTED LEFT>

PLUGS:

10 sx
125'-0'

Spot 50 sx
1236'-731'

P&A Marker

D.F. 3274'

<PRE-P&A EXISTING ITEMS LISTED RIGHT>

Surface Casing

8.625", 23.0# Csg (12.0" Hole) @ 1188'

600 sx Cls 'C' w/ 2% - Circ. 150 sx to Surface

<P&A SUBSEQUENT SUNDRY>

OIL CONSERVATION DIVISION	
P. O. BOX 2088	
SANTA FE, NEW MEXICO 87501	
Form 6-101	
Revised 10-1-79	

OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form 6-101

Revised 10-1-79

SUNDRY NOTICES AND REPORTS ON WELLS	
1. Name of Operator JOHN YURONKA	
2. Address of Operator 214 W. Texas, Suite 1009, Midland, Texas 79701	
3. Location of Well East Line E 660 Feet from Top West Line and 1980 Feet from Top North Line, Section 29 Township 24-S Range 37-E	
4. Completion (Name, whether DF, RT, GR, etc.) 3274' DF	
5. County Lea	

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data	
NOTICE OF INTENTION TO:	
PERMANENT CLOSURE	PLUG AND ABANDON
TEMPORARILY CLOSURE	REWORKED WELLING AREA
WELL BE ALTERED	EXTINGUISH TEST AND SHUT-IN
OTHER	OTHER

11. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) See Well # 198.

7/28 - MIRU

7/29 - POH with rods & tubing. GIR with tubing, set CIBP @ 3345'. Circ hole with 9.5# mud. Mix 10 sacks from 3345' - 3203'. POH wd 1236'. Mix 50 sacks from 1236' - 731'. POH. Mix 10 sacks @ surf. Cut off WH. Install DHP. RMDU.

12. I hereby certify that the information above is true and complete to the best of my knowledge and belief.	
Signature John Yuronka	Authorized Agent
Signature S. A. Lalle	OIL & GAS INSPECTOR
Signature	NOV 04 1991

Production / Inter. Casing

4.5", 9.5# csg. (7.875" Hole) @ 3670'

700 sx Cls 'C' - Calc. to circ. - Did not.

Perfs 3413'-3518' (2 jsfp) Acidize w/ 4100 gals. 15% NE HCl; 40000# CO₂ Frac.

PBTD @ 3620'

TD @ 368'

Circ. Hole w/
9.5# Mud Ladened Fluid

Cap w/ 10 sx
Calc'd @ 3203'

CIBP @ 3345'

Formation Fluids



Drawn by: Ben Stone, 4/23/2018



WELL BORE INFO.

LEASE NAME

William H. Harrison "D" WN Com

WELL #

1

API #

30-025-11283

COUNTY

Lea

PROPOSED PROCEDURE

14 3/4" Hole

13' 50# csg @ 304'
w/ 250 sx CIRC to surf

5. PUH & perf @ 354' & sqz 325 sx Class "C" cmt from 354' to surf, CIRC all strings. (Shoe & Water Board) ✓

12 3/4" Hole

1100'
4. PUH & perf @ ~~2264~~ & sqz 100 sx Class "C" cmt from ~~2264~~ 2164' WOC/TAG (Top of Salt) ✓

1100'-1000'

9 5/8" 36# csg @ 2766'
w/ 750 sx TOC @ 340'

3. PUH & perf @ 2816' & sqz 100 sx Class "C" cmt from 2816'- 2716' WOC/TAG (Base of Salt & Shoe) ✓

8 3/4" Hole

Yates perms @ 2927'-3185'

2. PUH & sqz 100 sx Class "C" cmt from 3185' - 2877' WOC/TAG (Yates perms) ✓

Model "D" pkr set @ 3340' w/ blkng plug capped w/ 3 sx sand & 35' cmt (4-73)

Langlie Mattix perms @ 3380'-3492'

7" 24# csg @ 3598'

w/ 100 sx TOC Unkn

1. MIRU, RIH w/ tbg & verify cmt on pkr @ 3285', CIRC w/ MLF ✓

PBTD @ 3285'

TD @ 3699'

District I
1625 N French Dr., Hobbs, NM 88240
District II
1301 W. Grand Ave., Artesia, NM 88210
District III
1000 Rio Brazos Rd. Aztec, NM 87410
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505

HOBBS OCD

OIL CONSERVATION DIVISION

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

OCT 31 2012

WELL API NO. 30-025-11283
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name William H. Harrison "D" WN Com
8. Well Number 1
9. OGRID Number 00873
10. Pool Name Langlie Mattix

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR DEEPEN OR PLUG BACK TO A DIFFERENT RESERVIOR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐
2. Name of Operator
Apache Corporation
3. Address of Operator
303 Veterans Airpark Lane, Ste. 3000, Midland, TX, 79705

4. Well Location
Unit Letter **L** : **1980** feet from the **S** line and **660** feet from the **W** line
Section **29** Township **24S** Range **37E** NMPM County **Lea**

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
3269' GL

12. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS <input type="checkbox"/>	P AND A <input checked="" type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPL <input type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>	
DOWNHOLE COMMINGLE <input type="checkbox"/>			
OTHER <input type="checkbox"/>		<input checked="" type="checkbox"/> Location is ready for OCD inspection after P&A	

- ☒ All pits have been remediated in compliance with OCD rules and the terms of the Operator's pit permit and closure plan.
- ☒ Rat hole and cellar have been filled and leveled Cathodic protection holes have been properly abandoned
- ☒ A steel marker at least 4" in diameter and at least 4' above ground level has been set in concrete It shows the

OPERATOR NAME, LEASE NAME, WELL NUMBER, API NUMBER, QUARTER / QUARTER LOCATION OR UNIT LETTER, SECTION, TOWNSHIP, AND RANGE. ALL INFORMATION HAS BEEN WELDED OR PERMANENTLY STAMPED ON THE MARKER'S SURFACE.

- ☒ The location has been leveled as nearly as possible to the original ground contour and has been cleared of all junk, trash, flow lines and other production equipment
- ☒ Anchors, dead men, tie downs and risers have been cut off at least two feet below ground level.
- ☒ If this is a one-well lease or last remaining well on lease, the battery and pit location(s) have been remediated in compliance with OCD rules and the terms of the Operator's pit permit and closure plan. All flow lines, production equipment and junk have been removed from the lease and well location.
- ☒ All metal bolts and other materials have been removed Portable bases have been removed. (Poured onsite concrete bases do not have to be removed)
- ☒ All other environmental concerns have been addressed as per OCD rules.
- ☒ Pipelines and flow lines have been abandoned in accordance with 19.15.9.714.B(4)(b) NMAC All fluids have been removed from non-retrieved flow lines and pipelines.

When all work has been completed, return this form to the appropriate District office to schedule an inspection. If more than one inspection has to be made to a P&A location because it does not meet the criteria above, a penalty may be assessed

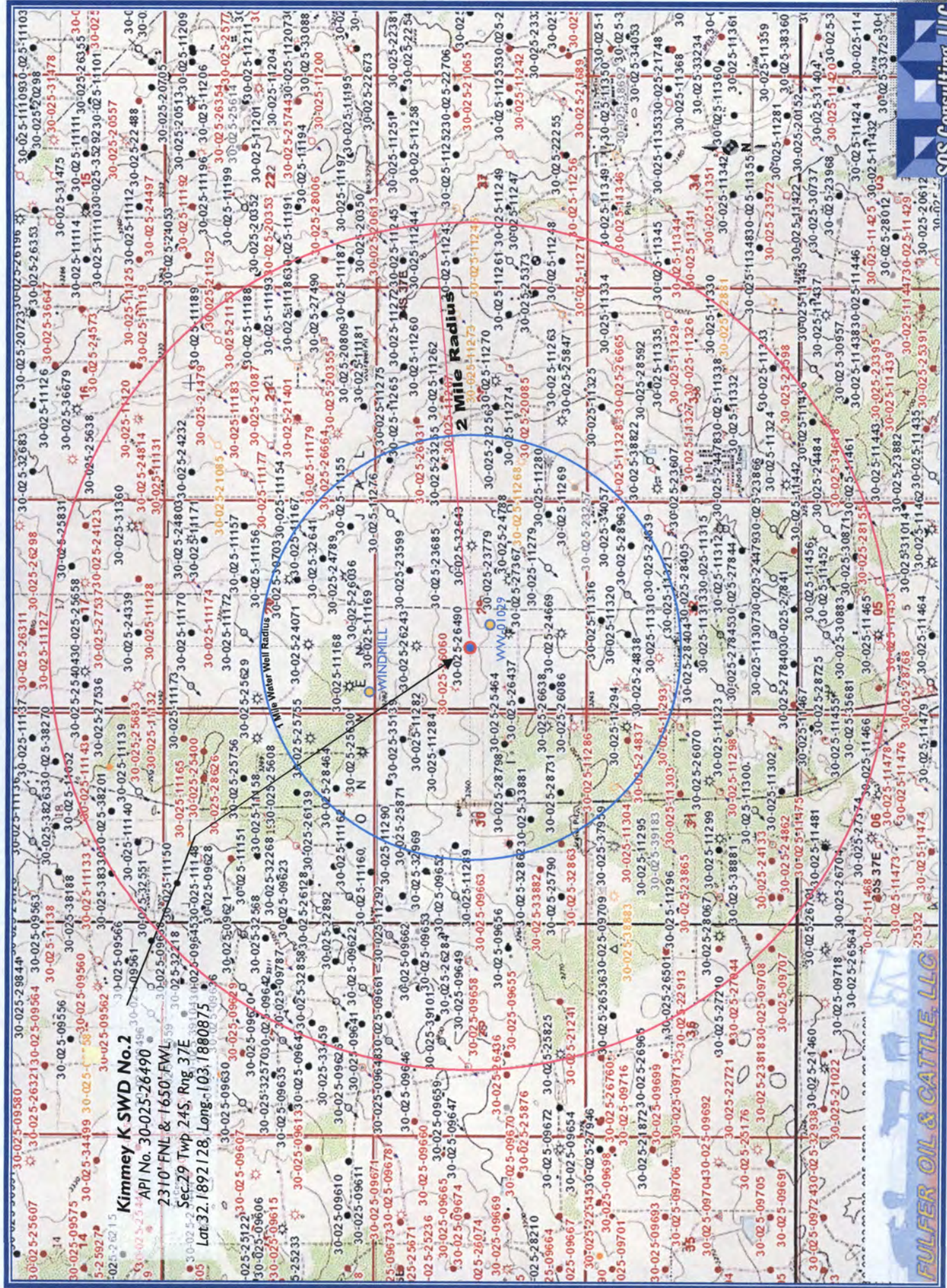
SIGNATURE Leon Sellers TITLE P&A Technician DATE 10/29/12
TYPE OR PRINT NAME Leon Sellers E-MAIL leon.sellers@apachecorp.com PHONE: 432-208-0349
For State Use Only
APPROVED BY: Mark Whitaker TITLE Compliance Officer DATE 11-05-2012
Conditions of Approval (if any):

NOV 06 2012

Drawn by: Ben Stone, 4/23/2018

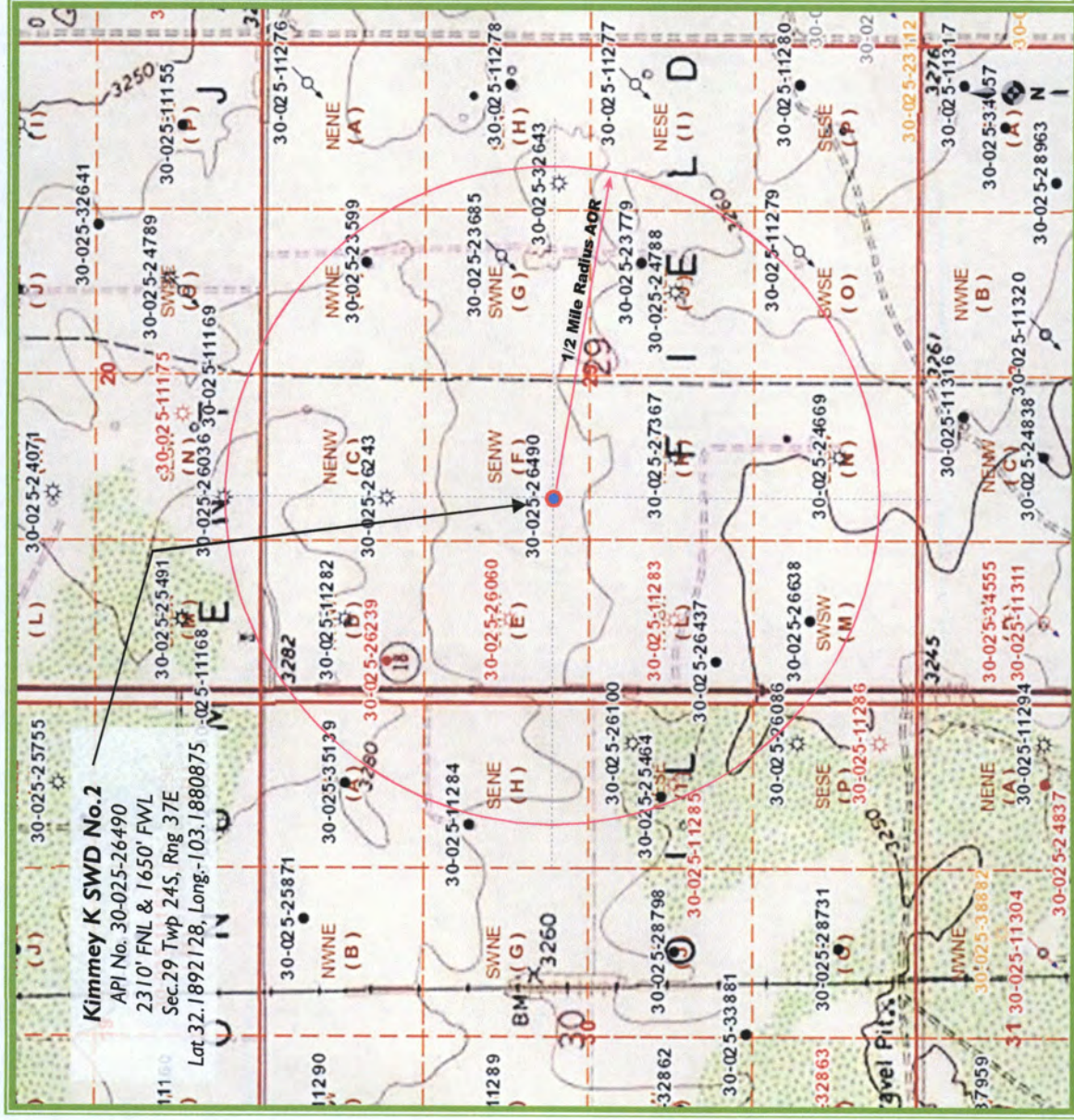
Kimmey K SWD No.2 - Area of Review / 2 Miles

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



Kimmey K SWD No.2 - Area of Review / Overview Map

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



C-108 ITEM X

LOGS and AVAILABLE TEST DATA

A log strip from the subject well is attached
With annotations.

LOG STRIP FOLLOWS

LANEXCO INC
HARRISON A # 2

30-025-26480

PAGE 1
HEADERCOMPENSATED
DENSITY
NEUTRON LOG

COMPANY	JOHN YURONKA	WELL	HARRISON "A" # 2	FIELD	LANGLIE - MATTIX	COUNTY	LEA	STATE	NEW MEXICO	Location	2310' FNL & 1650' FWL	Other Services	Forxo-Guard
DATE	10/13/79	Run No.	- One -	Depth - Driller	3660	Depth - Welex	3660	Top Log Inter.	Surface	Casing - Driller	8-5/8" @ 418	Bit Size	7-7/8"
Permanent Datum	Ground Level	Elev	3282'	Drilling Measured From	Kelly Bushing	Elev	K.B. 3293'	D.F.	3292'	G.L.	3282'		
Run No.	- One -	Depth - Driller	3660	Depth - Welex	3660	Top Log Inter.	Surface	Casing - Driller	8-5/8" @ 418	Bit Size	7-7/8"	Type Fluid in Hole	Salt Mud
Dens. I Visc.	10.4 @ 37	PH I Fluid Loss	10.8 ml	Source of Sample	Circulated	R ₁ @ Meas. Temp.	.056 @ 75 °F	R ₂ @ Meas. Temp.	.050 @ 75 °F	R ₃ @ Meas. Temp.	.040 @ 105 °F	Time Since Circ	3 Hours
Max Rec. Temp.	105 °F @ B.H.	Equip. I Location	9433 I Hobbs	Recorded By	R. Yaites	Witnessed By	M. Yuronka						

Fold Here

EQUIPMENT DATA

NATURAL GAMMA				GAMMA DENSITY			
Run No.	- One -			Run No.	- One -	- One -	
Tool Model No.	102 A			Log Type	Density	Neutron	
Diameter	3-5/8"			Tool Model No.	127	119	
Detector Model No.	102 A			Diameter	4"	3-3/8"	
Type	Scint.			Detector Model No.	127	1-C-8	
Length	4"			Type	G.M.	G.M.	
Distance to Source	228"			Length	14"		
GENERAL				Source Model No.	DCS	5 CU	
Moist Truck No.	9433			Serial No.	DCS 95	GNI 201	
Instrument Truck No.	9433			Spacing		13.90"	
Tool Serial No.	P 20428	N 20614		Type	Cs 137	AmBe	
	M 21033			Strength	500 Mc	1.0 x 10 ⁴	N/S
	I 21048						

LOGGING DATA

GENERAL				GAMMA RAY				GAMMA DENSITY			
Run No.	Depths	Speed	T.C.	Sens.	Zero	API G.R. Units	T.C.	Sens.	Zero	Units	
	From	To	ft/min	Sec	Div. L or R	per Log Div.	Sec	Settings	Div. L or R	per Log Div.	
-1-	0	3660'	30	2	100	0	2				
						NEUTRON	2	2000	0	100	

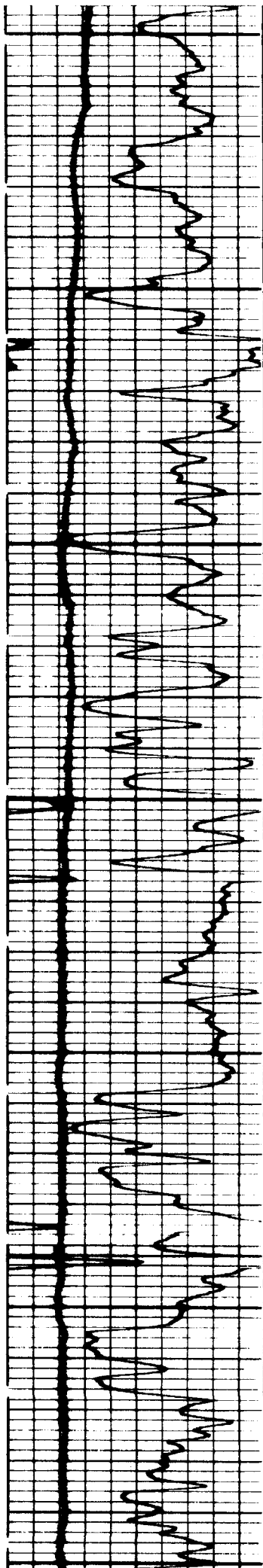
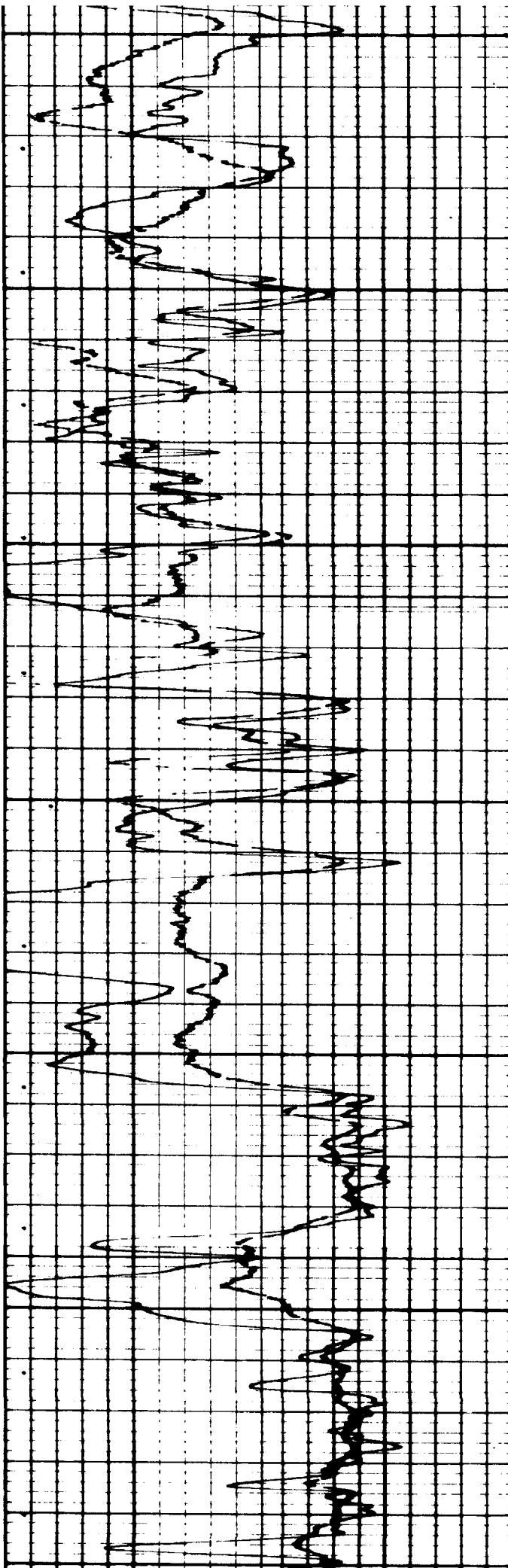
Reference Literature:

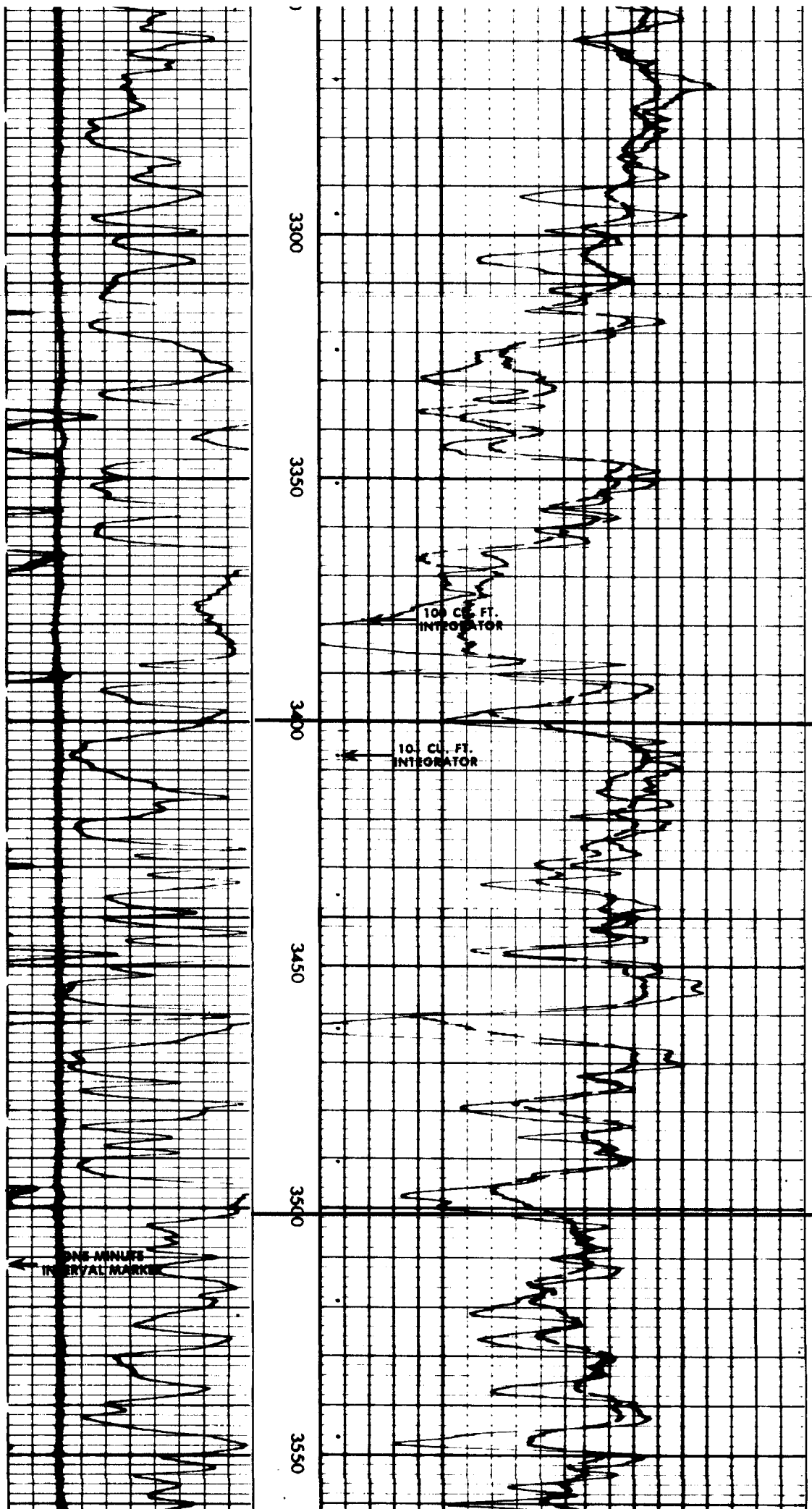
Service Ticket No. 041960 Remarks:

Welex does not guarantee the accuracy of any interpretation of log data, conversion of log data to physical rock parameters, or recommendations which may be given by Welex personnel or which may appear on the log or in any other form. Any user of such data, interpretation, conversion, or recommendations agrees that Welex is not responsible, except where due to negligence, for any errors or omissions in the log or in any other form.

2" 100'

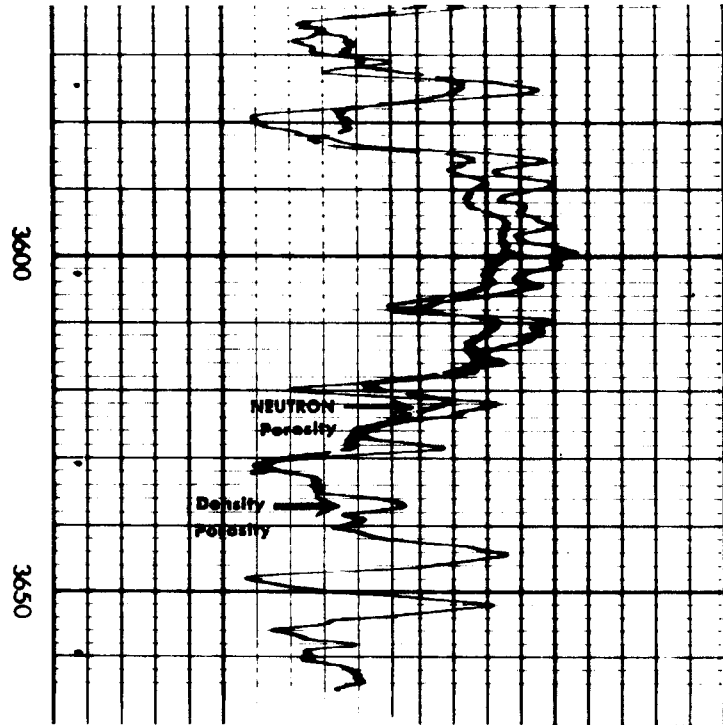
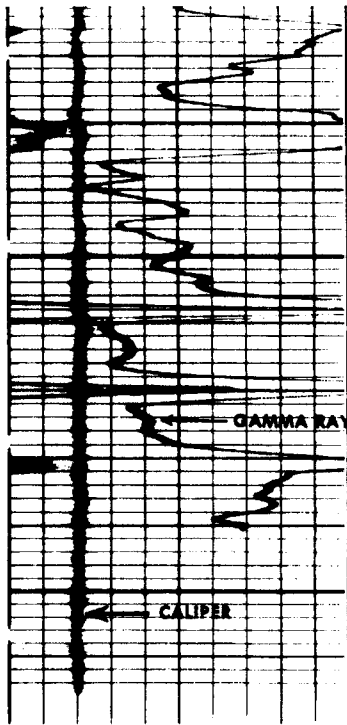
GAMMA		BULK DENSITY		
API Gamma Ray Units		Grams/cc (when $\frac{Z}{A} = 0.5$)		
0	100	2.0	2.5	3.0
100	200		1.5	2.0
CALIPER		POROSITY (%) Pg = 2.71 Limestone		
Average Diameter in.				
6"	16"			





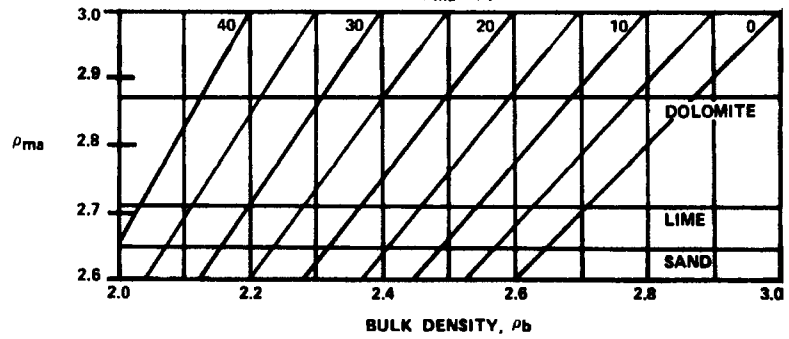
TOP OF
INTERVAL
3400'

BOTTOM OF
INTERVAL
3501'



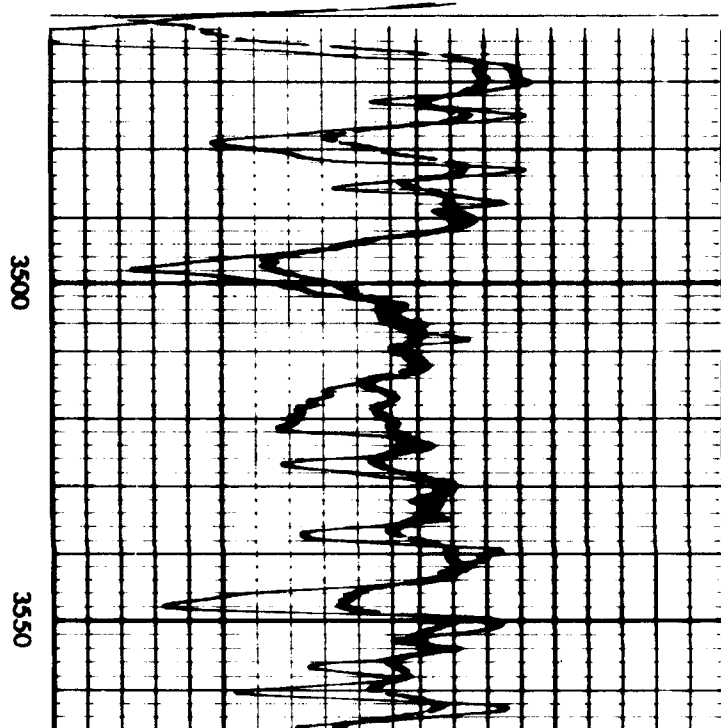
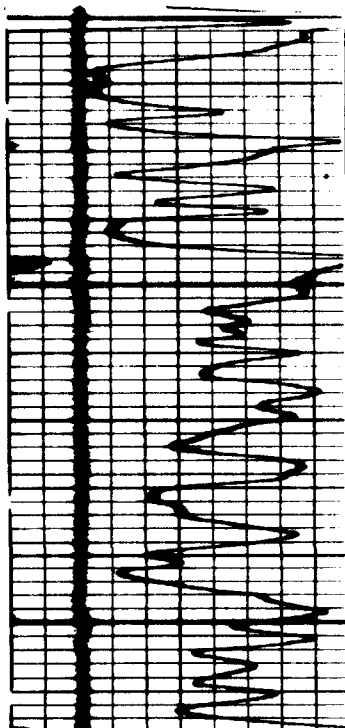
DENSITY POROSITY ($\rho_f = 1.0$)

$$\phi = \frac{\rho_{ma} - \rho_b}{\rho_{ma} - \rho_f}$$



LAIDLIF-AA 18398

REPEAT SECTION



C-108 ITEM VII – PROPOSED OPERATION

The Kimmy K SWD No.2 will be operated as a private disposal well to service on-lease Fulfer operations. Source and disposal zone is the same Seven Rivers and Queen formation waters.

(Note: This C-108 application is to reinstate the previous authorization by OCD Order R-7137.)

The system will be closed utilizing a tank battery facility located on the well site with flowlines from the serviced wells – currently just 3 wells.

Injection pressure will be 680 psi with rates limited only by that pressure but expected to be less than 500 bwpd for the foreseeable future.

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

None provided.

Item VII.5 – Water Analysis of Disposal Zone Water

None provided.

Source and Disposal Zones are the same.

C-108 ITEM XI – WATER WELLS IN AOR

**1 POD Water Well Spots (based on coordinates)
Within ONE MILE of Proposed SWD – Not Located.**

*A windmill is located approximately ¼ mile to the NW of the subject well;
it was sampled and analysis will be forwarded upon receipt.*



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

WR File Nbr	Sub basin Use Diversion Owner	County	POD Number	Code Grant	Source	q q q	Sec	Tws	Rng	X	Y		
CP 01029	CP STK 0 TRIPLE R CATTLE COMPANY	LE	CP 01029 POD1		Shallow	2	2	3	29	24S	37E	671004	3562661

Record Count: 1

PLSS Search:

Section(s): 29, 30 Township: 24S Range: 37E

Sorted by: File Number

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.

4/23/18 12:28 PM

Page 1 of 1

ACTIVE & INACTIVE POINTS OF DIVERSION

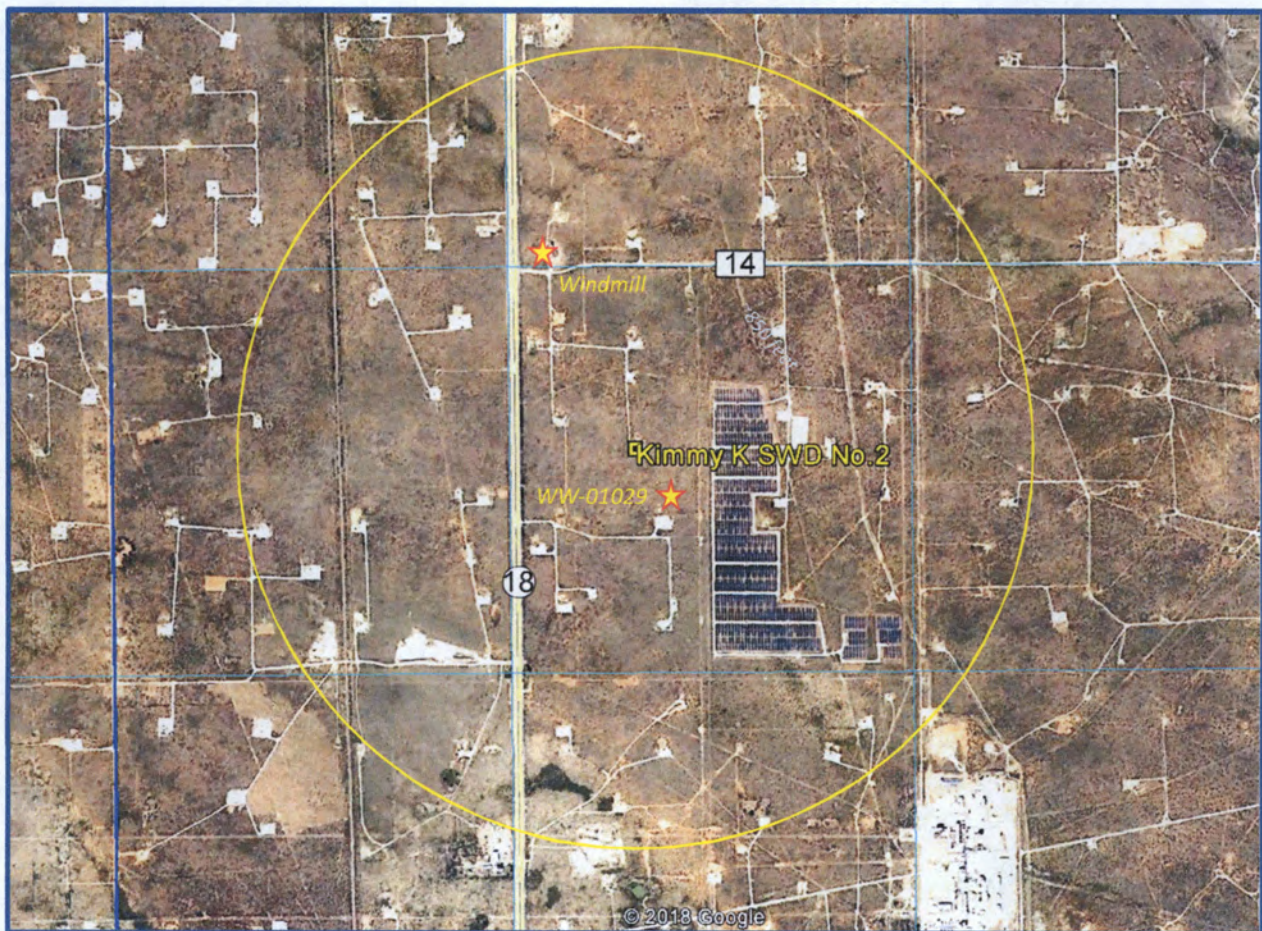
C-108 Item XI

Water Wells Within One Mile

Kimmey K SWD No.2 - Water Well Locator Map

NM State Engineer's records indicate is one water well located approximately 850 feet to the southeast of the proposed SWD however; it could not be located.

*There is a known windmill approximately ¼ mile to the northwest.
It has been sampled and the analysis will be forwarded upon receipt.*



C-108 ITEM XI – WATER WELLS IN AOR

Depth to Ground Water



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 (quarters are 1=NW 2=NE 3=SW 4=SE)
closed) (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
CP 00184 POD1	CP	LE	3	3	2	28	24S	37E		672812	3562887*	780	255	525
CP 00184 POD2	CP	LE	4	4	4	28	24S	37E		673428	3562089*	801	255	546
CP 00184 POD3	CP	LE	2	4	2	28	24S	37E		673414	3563093*	770	260	510
CP 00290 POD1	CP	LE	1	3	2	21	24S	37E		672783	3564696*	775	240	535
CP 00295 POD3	CP	LE	4	4	4	21	24S	37E		673467	3563627	112		
CP 00492 POD1	CP	LE	3	4	4	20	24S	37E		671592	3563671*	500		
CP 00494 POD1	CP	LE	2	4	4	31	24S	37E		670239	3560628*	500		
CP 00501	CP	LE	4	1	4	28	24S	37E		673019	3562484*	110	70	40
CP 00549 POD1	CP	XX	4	3	3	31	24S	37E		669051	3560409*	200		

Average Depth to Water: **216 feet**

Minimum Depth: **70 feet**

Maximum Depth: **260 feet**

Record Count: 9

PLSS Search:

Section(s): 19, 20, 21, 28, 29, 30, 31 Township: 24S Range: 37E

*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 XIII – PROOF OF NOTIFICATION

IDENTIFICATION AND NOTIFICATION OF INTERESTED PARTIES

Exhibits for Section

Affected Parties Map

List of Interested Parties

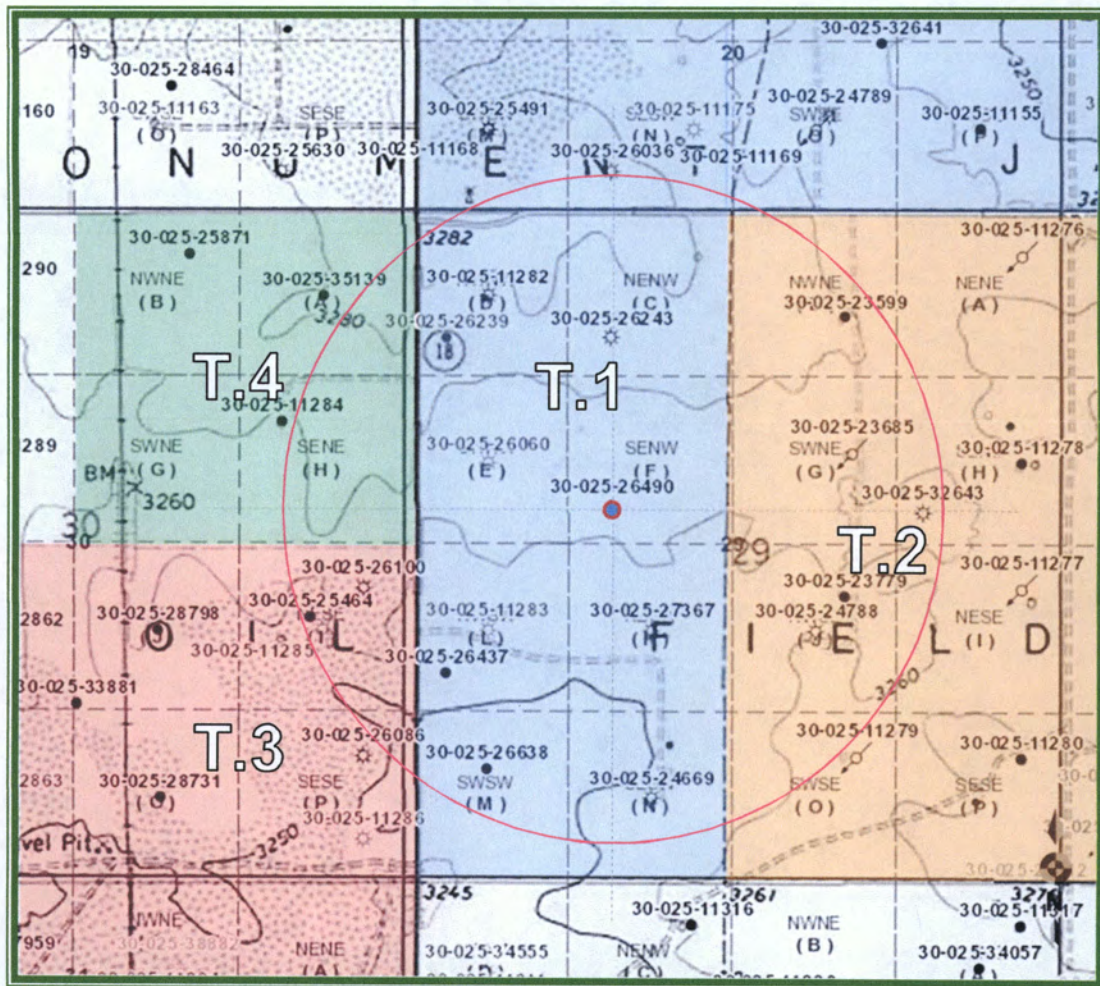
Notification Letter to Interested Parties

Proof of Certified Mailing

Affidavit Published Legal Notice

Kimmy K SWD Well No.2 – Affected Parties Plat

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



LEGEND

- T.1 – Fee - Henry Harrison / Apache, McDonnold, Westbrook (Op)
- T.2 – Fee - Jal Public Library / McDonnold Energy Corp. (Op)
- T.3 – Fee - RRR Land & Cattle Co. / Special Energy, Oxy USA (Op)
- T.4 – Fee - Christeen Pruett I / Enervest Operating (Op)

C-108 ITEM XIII – PROOF OF NOTIFICATION AFFECTED PARTIES LIST

**SOS Consulting is providing electronic delivery of C-108 applications.
ALL APPLICABLE AFFECTED PARTIES ARE PROVIDED A LINK IN THE NOTICE LETTER
TO A SECURE SOS/ CITRIX SHAREFILE® SITE TO VIEW AND DOWNLOAD
A FULL COPY OF THE SUBJECT C-108 APPLICATION IN PDF FORMAT.**

"AFFECTED PERSON" MEANS THE DIVISION DESIGNATED OPERATOR; IN THE ABSENCE OF AN OPERATOR, A LESSEE WHOSE INTEREST IS EVIDENCED BY A WRITTEN CONVEYANCE DOCUMENT EITHER OF RECORD OR KNOWN TO THE APPLICANT AS OF THE DATE THE APPLICANT FILES THE APPLICATION; OR IN THE ABSENCE OF AN OPERATOR OR LESSEE, A MINERAL INTEREST OWNER WHOSE INTEREST IS EVIDENCED BY A WRITTEN CONVEYANCE DOCUMENT EITHER OF RECORD OR KNOWN TO THE APPLICANT AS OF THE DATE THE APPLICANT FILED THE APPLICATION FOR PERMIT TO INJECT.; PER OCD RULES NMAC 19.15.26.7, A. AND 19.15.26.8, B. 2.

SURFACE OWNER

- 1 HENRY HARRISON
1120 Wilma St.
Tyler, TX 75701
Certified: 7017 2400 0000 5297 5027

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

Private Lease (T.1 Affected Parties Plat)

Operators

- FULFER OIL & CATTLE (Applicant)
P.O. Box 1224
Jal, NM 87252
- 2 APACHE CORPORATION
303 Veterans Airpark Ln., Ste.3000
Midland, TX 79705
Certified: 7017 2400 0000 5297 5034
- 3 McDONNOLD OPERATING, INC.
505 Big Spring, Ste.204
Midland, TX 79701
Certified: 7017 2400 0000 5297 5041
- 4 WESTBROOK OIL CORP.
P.O. Box 2264
Hobbs, NM 88241
Certified: 7017 2400 0000 5297 5058

Private Leases (T.2 on Affected Parties Plat)

Operator

McDONNOLD OPERATING, INC.
505 Big Spring, Ste.204
Midland, TX 79701

Private Lease (T.3 on Affected Parties Plat)

Operators

- 5 SPECIAL ENERGY CORP.
P.O. Drawer 369
Stillwater. OK 74076
Certified: 7017 2400 0000 5297 5065

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

Private Lease (T.3 on Affected Parties Plat – cont.)

Operators

- 6 OXY USA, INC.
6001 Deauville Blvd.
Midland, TX 79706
Certified: 7017 2400 0000 5297 5072

Private Lease (T.4 on Affected Parties Plat)

Lessee

- 7 ENERVEST OPERATING, LLC
1001 Fannin St., Ste.800
Houston, TX 77002
Certified: 7017 2400 0000 5297 5089

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)
1625 N. French Dr.
Hobbs, NM 88240



May 9, 2018

NOTIFICATION TO INTERESTED PARTIES
via U.S. Certified Mail – Return Receipt Requested

To Whom It May Concern:

Fulfer Oil and Cattle Company, Jal, New Mexico, has made application to the New Mexico Oil Conservation Division to reinstate for salt water disposal its Kimmy K SWD Well No.2. The previously authorized SWD operation will be for private water disposal from on-lease operations. As indicated in the notice below, the well is located in Section 29, Township 24 South, Range 37 East in Lea County, New Mexico.

The published notice states that the interval will be from 3,400 feet to 3,501 feet into the Seven Rivers and Queen formations.

Following is the notice published in the Hobbs Daily News-Sun, Hobbs, New Mexico on or about May 4, 2018.

LEGAL NOTICE

Fulfer Oil & Cattle, LLC, P.O. Box 1224, Jal, NM 87252 is filing Form C-108 (Application for Authority to Inject) with the New Mexico Oil Conservation Division for administrative approval to [re-] permit for salt water disposal its Kimmy K SWD No.2. The previously authorized SWD is located 2310' FNL & 1650' FWL in Section 29, Township 24 South, Range 37 East in Lea County, 5.3 miles north of Jal, New Mexico. Produced water from ON-LEASE production will be PRIVATELY disposed into the Seven Rivers and Queen formations through selectively perforated intervals between a maximum applied for top of 3400 feet to maximum depth of 3501 feet. The maximum injection pressure will be 680 psi surface (0.2 psi/ft gradient) and a maximum rate limited only by such pressure. The well may be step-rate tested upon completion to determine if higher pressures are warranted.

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 is posted on the SOS Consulting **ShareFile** site and is available for immediate download.

Use the URL link: <https://sosconsulting.sharefile.com/d-s18897e8b1df4af0b>
(Please Note: The ShareFile service is powered by Citrix Systems and is completely secure.*)

The link to this file will be active for 30 days from the date of this letter. Your company can access and download the file a maximum of five (5) times. (One copy may be downloaded and shared as needed among your company.)

If preferred, you may call SOS Consulting, LLC at 903-488-9850, or email info@sosconsulting.us, and the same PDF file copy will be expedited to you via email.

Please use a subject like "**Kimmy K SWD May 2018 PDF Copy Request**".

Thank you for your attention in this matter.

Best regards,



Ben Stone, SOS Consulting, LLC
Agent for Fulfer Oil & Cattle Company

Cc: Application File

SOS Consulting is committed to providing superior quality work using technology to assist clients and affected parties in obtaining the documentation required. SOS will continue to utilize methods which are less energy and resource intensive including, the reduction of paper copies.

We hope you'll partner with us and appreciate these efforts.

* You will be asked for your email, name and company.
This will not be used by anyone except keeping track of the file downloads.
You will not be solicited by SOS or anyone else. Data is stored on Citrix Systems servers only.


ShareFile

C-108 - Item XIV

Proof of Notice (Certified Mail Receipts)

7017 2400 0000 5297 5027

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
Domestic Mail Only

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

OFFICIAL USE

Certified Mail Fee \$ 3.45

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

<input type="checkbox"/> Return Receipt (hardcopy)	\$
<input type="checkbox"/> Return Receipt (electronic)	\$ <u>2.75</u>
<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$

Postage \$.50

Total Postage and Fees \$ 6.70

Sent To _____

Street and _____

City, State _____

PS Form _____

actions

Postmark Here MAY 10 2018 COMO TX 75437

7017 2400 0000 5297 5034

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
Domestic Mail Only

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

OFFICIAL USE

Certified Mail Fee \$

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

<input type="checkbox"/> Return Receipt (hardcopy)	\$
<input type="checkbox"/> Return Receipt (electronic)	\$
<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$

Postage \$

Total Postage and Fees \$ 6.70

Sent To _____

Street _____

City, State _____

PS Form _____

structions

Postmark Here MAY 10 2018 COMO TX 75437

7017 2400 0000 5297 5041

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
Domestic Mail Only

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

OFFICIAL USE

Certified Mail Fee \$

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

<input type="checkbox"/> Return Receipt (hardcopy)	\$
<input type="checkbox"/> Return Receipt (electronic)	\$
<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$

Postage \$

Total Postage and Fees \$ 6.70

Sent To _____

Street _____

City, State _____

PS Form _____

structions

Postmark Here MAY 10 2018 COMO TX 75437

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<input type="checkbox"/> Adult Signature Required	\$
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Postage \$

Total Postage and Fees \$ 6.70

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Street _____

City, State _____

PS Form _____

uctions

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C-108 - Item XIV

Proof of Notice (Certified Mail Receipts – cont.)

7017 2400 0000 5297 5072

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☐ Adult Signature Restricted Delivery \$

Postage \$

Total Postage and Fees \$6.70

Sent To

Street and City, State

SPECIAL ENERGY CORP.
P.O. Drawer 369
Stillwater, OK 74076

Instructions

Postmark: MAY 10 2018, COMO TX 76437

5905 2625 0000 0042 2102

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☐ Return Receipt (electronic) \$

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☐ Adult Signature Required \$

☐ Adult Signature Restricted Delivery \$

Postage \$

Total Postage and Fees \$6.70

Sent To

Street and City, State

OXY USA, INC.
6001 Deauville Blvd.
Midland, TX 79706

Instructions

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5905 2625 0000 0042 2102

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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 \$6.70

Sent To

Street and City, State

ENERVEST OPERATING, LLC
1001 Fannin St., Ste. 800
Houston, TX 77002

Instructions


Postmark: MAY 10 2018, COMO TX 76437

Affidavit of Publication

STATE OF NEW MEXICO
COUNTY OF LEA


I, Daniel Russell, Publisher of the Hobbs News-Sun, a newspaper published at Hobbs, New Mexico, solemnly swear that the clipping attached hereto was published in the regular and entire issue of said newspaper, and not a supplement thereof for a period of 1 issue(s).

Beginning with the issue dated
May 04, 2018
and ending with the issue dated
May 04, 2018.



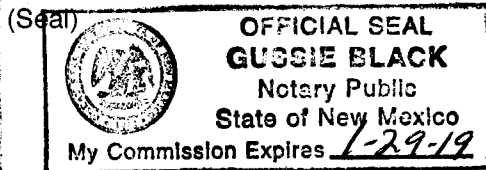
Publisher

Sworn and subscribed to before me this
4th day of May 2018.



Business Manager

My commission expires
January 29, 2019



This newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Laws of 1937 and payment of fees for said

LEGAL NOTICE May 4, 2018

Fulfer Oil & Cattle, LLC, P.O. Box 1224, Jal, NM 87252 is filing Form C-108 (Application for Authority to Inject) with the New Mexico Oil Conservation Division for administrative approval to [re-] permit for salt water disposal its Kimmy K SWD No.2. The previously authorized SWD is located 2310' FNL & 1650' FWL in Section 29, Township 24 South, Range 37 East in Lea County, 5.3 miles north of Jal, New Mexico. Produced water from ON-LEASE production will be PRIVATELY disposed into the Seven Rivers and Queen formations through selectively perforated intervals between a maximum applied for top of 3400 feet to maximum depth of 3501 feet. The maximum injection pressure will be 680 psi surface (0.2 psi/ft gradient) and a maximum rate limited only by such pressure. The well may be step-rate tested upon completion to determine if higher pressures are warranted.

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. #32782

67104420

00211192

BEN STONE
SOS CONSULTING, LLC.
P.O. BOX 300
COMO, TX 75431

Goetze, Phillip, EMNRD

From: Randy Crawford <randyamyandboys@aol.com>
Sent: Tuesday, May 1, 2018 12:38 PM
To: Goetze, Phillip, EMNRD
Subject: Protest

Good afternoon Mr. Goetz. RRR Land and Cattle Company, LLC would like to protest Fulfer Oil and Cattle, LLC on its' application to inject (commercially) into the Kimmy K #2 in Lea County. We are in protest because this well is 40 years old, and is, in our opinion, too shallow for an SWD. More importantly, it is also less than a mile from our fresh water well that supports our family and livestock.

Thank you for your time.

Teddy R. Crawford II
Randall J. Crawford
Russell D. Crawford

APPLICATION PROTESTED

Applicant: FULFEN OIL & CATTLE, LLC

Application Type: SWD

Well Name: SWD#2 API: 30-0 25-26490

- ① Ron Harrison
- ② Randy Crawford

Protestant: _____

Date Protest Received: ① MAY 1, 2018
② MAY 2, 2018

* Application received MAY 1, 2018

Notification of Applicant: MAY 22, 2018

Resolution: _____

Copy to Case Handler:

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
N.M. Oil Cons. Division
625 N. French Dr.
Hobbs NM 88240

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT-" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator
Doyle Hartman

3. Address and Telephone No.
500 N. Main St., Midland, TX 79701, (915) 684-4011

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1650' FNL & 990' FEL (Unit H),
Section 30, T-24-S, R-37-E, N.M.P.M

5. Lease Designation and Serial No.
NM 0321613

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.
Jack B-30 No. 1

9. API Well No.
30-025-11284

10. Field and Pool, or Exploratory Area
Jalmat (T-Y-7R)

11. County or Parish, State
Lea, NM

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

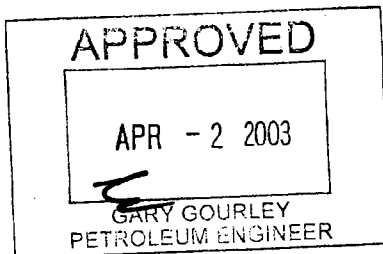
- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☒ Altering Casing
☒ Other Clean out formation cavings
and set 4 1/2" O.D. FJL

- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

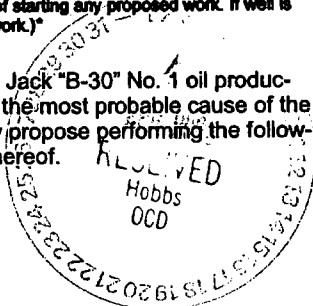
(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

As documented by the herein-enclosed daily-field-estimate production plot, on January 27, 2003, the Jack "B-30" No. 1 oil production experienced a precipitous and significant drop, from a prior level of 15 BOPD to 9 BOPD. Since the most probable cause of the significant production drop is formation caving, in the open-hole Jalmat producing interval, we hereby propose performing the following remediation operations, as set out on pages 2 of 3 and 3 of 3 attached hereto, and made a part hereof.



APPROVED FOR 3 MONTH PERIOD
ENDING 7-02-03



14. I hereby certify that the foregoing is true and correct

Signed

Title Engineer

Date 03/27/2003

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See instruction on Reverse Side

GWW

Rigged up Capitan Corporation wireline truck. Perforated Jalmat interval, with 3 1/8" O.D. select-fire casing gun, with (32) 0.38" x 19" holes, with one shot each as follows:

2925	2960	2998	3129	3363	3419
2934	2972	3009	3143	3368	3426
2940	2976	3013	3149	3372	
2945	2980	3018	3196	3396	
2950	2988	3022	3201	3400	
2954	2993	3031	3207	3404	

Ran 2 3/8" O.D. tubing, 4 1/2" Model "C" packer, and 4 1/2" Model "C" RBP. Set 4 1/2" Model "C" RBP at 3483'.

Raised 4 1/2" Model "C" packer to 3443'. Spotted acid across lower perms, by pumping down tubing with 250 gal of 15% MCA acid, followed by 1 bbl of 2% KCl water. Allowed acid to fall and equalize.

Raised and set 4 1/2" Model "C" packer at 3085'. Pumped an additional 250 gal of 15% MCA acid down 2 3/8" O.D. tubing. Allowed acid to soak for 15 minutes.

Acidized Jalmat perms, from 3129'-3426' (14 holes), with an additional 2500 gal of 15% MCA acid and 20 ball sealers, at an average treating rate of 4.5 BPM, and average treating pressure of 1180 psi. Flushed acid with 18.5 bbls of 2% KCl water. Max treating pressure = 1860 psi, at ballout. ISIP = 200 psi. 20-sec SIP = 0 psi.

Raised 4 1/2" Model "C" RBP to 3080', and 4 1/2" Model "C" packer to 3053'. Spotted acid across upper perms, by pumping down tubing with 200 gal of 15% MCA acid, followed by 1 bbl of 2% KCl water. Allowed acid to fall and equalize.

Raised and set 4 1/2" Model "C" packer at 2892'. Pumped an additional 250 gal of 15% MCA acid down 2 3/8" O.D. tubing. Allowed acid to soak for 15 minutes.

Acidized Jalmat perms, from 2925'-3031' (18 holes), with an additional 3150 gal of 15% MCA acid and 25 ball sealers, at an average treating rate of 4.5 BPM, and average treating pressure of 2539 psi. Flushed acid with 14.3 bbls of 2% KCl water. Max treating pressure = 3000 psi, at ballout.

Page 5 of 5
BLM Form 3160-5 dated 04-23-03
Doyle Hartman
Jack "B-30" No. 1
H-30-24S-37E
API No. 30-025-11284

ISIP	=	1559 psi
5-min SIP	=	477 psi
10-min SIP	=	178 psi
15-min SIP	=	43 psi
18-min SIP	=	0 psi

Pulled and laid down 4 1/2" Model "C" packer and 4 1/2" Model "C" RBP.

Ran and landed 2 3/8" O.D. production tubing at 3584' RKB (110 jts @ 32.34'/jt + 1.1' SN + 18' MA - 3' AGL + 10' KBC = 3583.5'). Ran 3/4" API Class "KD" rod string and 2" x 1 1/4" x 12' RHAC top-hold-down insert pump. Started pumping well, at 9.5 Spm x 64" x 1 1/4", at 7:00 p.m., 4-17-03.

NSP-1834 1/4/2000 40ac Jalmat NW/4 NE/4

R-5658 160 ac. NE/4 Sec-30 shared w/#2-B



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	Code	POD Sub-basin	County	Q 6	Q 4	Q 4	Sec	Tws	Rng	X	Y	DepthWell	DepthWater	Water Column
<u>CP 00184 POD1</u>		CP	LE	3	3	2	28	24S	37E	672812	3562887*	780	255	525
<u>CP 00184 POD2</u>		CP	LE	4	4	4	28	24S	37E	673428	3562089*	801	255	546
<u>CP 00184 POD3</u>		CP	LE	2	4	2	28	24S	37E	673414	3563093*	770	260	510
<u>CP 00493 POD1</u>		CP	LE	2	4	2	32	24S	37E	671834	3561458*	500		
<u>CP 00494 POD1</u>		CP	LE	2	4	4	31	24S	37E	670239	3560628*	500		
<u>CP 00501</u>		CP	LE	4	1	4	28	24S	37E	673019	3562484*	110	70	40
<u>CP 00549 POD1</u>		CP	XX	4	3	3	31	24S	37E	669051	3560409*	200		

Average Depth to Water: **210 feet**

Minimum Depth: **70 feet**

Maximum Depth: **260 feet**

Record Count: 7

PLSS Search:

Section(s): 28-32

Township: 24S

Range: 37E

*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.

10/17/18 4:31 PM

WATER COLUMN/ AVERAGE DEPTH TO WATER



New Mexico Office of the State Engineer

Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)				(quarters are smallest to largest)	(NAD83 UTM in meters)		
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
CP	00493 POD1	2	4	2	32	24S	37E	671834	3561458*

Driller License:**Driller Company:****Driller Name:** W. PERRY SMITH**Drill Start Date:** 05/15/1971**Drill Finish Date:** 05/19/1971**Plug Date:****Log File Date:** 08/04/1971**PCW Rcv Date:****Source:****Pump Type:****Pipe Discharge Size:****Estimated Yield:****Casing Size:** 8.00**Depth Well:** 500 feet**Depth Water:****Water Bearing Stratifications:****Top Bottom Description**

80 128 Sandstone/Gravel/Conglomerate

*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.

10/17/18 4:32 PM

POINT OF DIVERSION SUMMARY



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

November 06, 2018

RICK BLACK

FULFER OIL & CATTLE

P. O. BOX 1321

JAL, NM 88252

RE: NORTH JAL RANCH

Enclosed are the results of analyses for samples received by the laboratory on 10/18/18 16:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-18-11. 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



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

FULFER OIL & CATTLE
P. O. BOX 1321
JAL NM, 88252

Project: NORTH JAL RANCH
Project Number: WINDMILL
Project Manager: RICK BLACK
Fax To: NONE

Reported:
06-Nov-18 10:18

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WINDMILL SAMPLE	H803008-01	Water	18-Oct-18 10:00	18-Oct-18 16:40

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

Analytical Results For:FULFER OIL & CATTLE
P. O. BOX 1321
JAL NM, 88252Project: NORTH JAL RANCH
Project Number: WINDMILL
Project Manager: RICK BLACK
Fax To: NONEReported:
06-Nov-18 10:18**WINDMILL SAMPLE
H803008-01 (Water)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories**Inorganic Compounds**

Alkalinity, Bicarbonate	195		5.00	mg/L	1	8101506	AC	18-Oct-18	310.1	
Alkalinity, Carbonate	<1.00		1.00	mg/L	1	8101506	AC	18-Oct-18	310.1	
Chloride*	156		4.00	mg/L	1	8101811	AC	22-Oct-18	4500-Cl-B	
Conductivity*	1250		1.00	uS/cm	1	8101905	AC	19-Oct-18	120.1	
pH*	8.07		0.100	pH Units	1	8101905	AC	22-Oct-18	150.1	
Resistivity	7.99			Ohms/m	1	8101913	AC	19-Oct-18	120.1	
Specific Gravity @ 60° F	1.003		0.000	[blank]	1	8101818	AC	19-Oct-18	SM 2710F	
Sulfate*	255		50.0	mg/L	5	8102404	AC	24-Oct-18	375.4	
TDS*	804		5.00	mg/L	1	8102301	AC	24-Oct-18	160.1	
Alkalinity, Total*	160		4.00	mg/L	1	8101506	AC	18-Oct-18	310.1	

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

Barium*	<0.050		0.050	mg/L	1	B810233	AES	01-Nov-18	EPA200.7	
Calcium*	106		0.100	mg/L	1	B810233	AES	01-Nov-18	EPA200.7	
Iron*	0.109		0.050	mg/L	1	B810233	AES	01-Nov-18	EPA200.7	
Magnesium*	32.0		0.100	mg/L	1	B810233	AES	01-Nov-18	EPA200.7	
Potassium*	5.22		1.00	mg/L	1	B810233	AES	01-Nov-18	EPA200.7	
Sodium*	102		1.00	mg/L	1	B810233	AES	01-Nov-18	EPA200.7	

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

FULFER OIL & CATTLE
P. O. BOX 1321
JAL NM, 88252

Project: NORTH JAL RANCH
Project Number: WINDMILL
Project Manager: RICK BLACK
Fax To: NONE

Reported:
06-Nov-18 10:18

Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 8101506 - General Prep - Wet Chem

Blank (8101506-BLK1)

Prepared & Analyzed: 15-Oct-18

Alkalinity, Carbonate	ND	1.00	mg/L
Alkalinity, Bicarbonate	15.0	5.00	mg/L
Alkalinity, Total	12.0	4.00	mg/L

LCS (8101506-BS1)

Prepared & Analyzed: 15-Oct-18

Alkalinity, Carbonate	ND	2.50	mg/L			80-120
Alkalinity, Bicarbonate	318	12.5	mg/L			80-120
Alkalinity, Total	260	10.0	mg/L	250	104	80-120

LCS Dup (8101506-BSD1)

Prepared & Analyzed: 15-Oct-18

Alkalinity, Carbonate	ND	2.50	mg/L			80-120		20
Alkalinity, Bicarbonate	318	12.5	mg/L			80-120	0.00	20
Alkalinity, Total	260	10.0	mg/L	250	104	80-120	0.00	20

Batch 8101811 - General Prep - Wet Chem

Blank (8101811-BLK1)

Prepared & Analyzed: 18-Oct-18

Chloride	ND	4.00	mg/L
----------	----	------	------

LCS (8101811-BS1)

Prepared & Analyzed: 18-Oct-18

Chloride	100	4.00	mg/L	100	100	80-120
----------	-----	------	------	-----	-----	--------

LCS Dup (8101811-BSD1)

Prepared & Analyzed: 18-Oct-18

Chloride	100	4.00	mg/L	100	100	80-120	0.00	20
----------	-----	------	------	-----	-----	--------	------	----

Batch 8101818 - General Prep - Wet Chem

Duplicate (8101818-DUP1)

Source: H802992-01

Prepared: 18-Oct-18 Analyzed: 19-Oct-18

Specific Gravity @ 60° F	1.004	0.000	[blank]	0.9991		0.456	20
--------------------------	-------	-------	---------	--------	--	-------	----

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

Analytical Results For:FULFER OIL & CATTLE
P. O. BOX 1321
JAL NM, 88252Project: NORTH JAL RANCH
Project Number: WINDMILL
Project Manager: RICK BLACK
Fax To: NONEReported:
06-Nov-18 10:18**Inorganic Compounds - Quality Control****Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

Batch 8101905 - General Prep - Wet Chem**LCS (8101905-BS1)**

Prepared & Analyzed: 19-Oct-18

Conductivity	99700		uS/cm	100000		99.7	80-120			
pH	7.06		pH Units	7.00		101	90-110			

Duplicate (8101905-DUP1)

Source: H802999-01

Prepared & Analyzed: 19-Oct-18

Conductivity	67300	1.00	uS/cm		67000			0.447	20	
pH	7.08	0.100	pH Units		7.04			0.567	20	

Batch 8101913 - General Prep - Wet Chem**Duplicate (8101913-DUP1)**

Source: H803008-01

Prepared & Analyzed: 19-Oct-18

Resistivity	8.08		Ohms/m		7.99			1.12	20	
-------------	------	--	--------	--	------	--	--	------	----	--

Batch 8102301 - Filtration**Blank (8102301-BLK1)**

Prepared: 23-Oct-18 Analyzed: 24-Oct-18

TDS	ND	5.00	mg/L							
-----	----	------	------	--	--	--	--	--	--	--

LCS (8102301-BS1)

Prepared: 23-Oct-18 Analyzed: 24-Oct-18

TDS	472		mg/L	527		89.6	80-120			
-----	-----	--	------	-----	--	------	--------	--	--	--

Duplicate (8102301-DUP1)

Source: H802999-01

Prepared: 23-Oct-18 Analyzed: 24-Oct-18

TDS	47000	5.00	mg/L		47100			0.204	20	
-----	-------	------	------	--	-------	--	--	-------	----	--

Batch 8102404 - General Prep - Wet Chem**Blank (8102404-BLK1)**

Prepared & Analyzed: 24-Oct-18

Sulfate	ND	10.0	mg/L							
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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

FULFER OIL & CATTLE
P. O. BOX 1321
JAL NM, 88252

Project: NORTH JAL RANCH
Project Number: WINDMILL
Project Manager: RICK BLACK
Fax To: NONE

Reported:
06-Nov-18 10:18

Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

Batch 8102404 - General Prep - Wet Chem

LCS (8102404-BS1)

Prepared & Analyzed: 24-Oct-18

Sulfate	22.4	10.0	mg/L	20.0	112	80-120
---------	------	------	------	------	-----	--------

LCS Dup (8102404-BSD1)

Prepared & Analyzed: 24-Oct-18

Sulfate	22.3	10.0	mg/L	20.0	112	80-120	0.269	20
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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

FULFER OIL & CATTLE
P. O. BOX 1321
JAL NM, 88252

Project: NORTH JAL RANCH
Project Number: WINDMILL
Project Manager: RICK BLACK
Fax To: NONE

Reported:
06-Nov-18 10:18

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
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

Batch B810233 - Total Rec. 200.7/200.8/200.2
Blank (B810233-BLK1)

Prepared: 29-Oct-18 Analyzed: 31-Oct-18

Iron	ND	0.050	mg/L							
Potassium	ND	1.00	mg/L							
Barium	ND	0.050	mg/L							
Magnesium	ND	0.100	mg/L							
Calcium	ND	0.100	mg/L							
Sodium	1.73	1.00	mg/L							B1

LCS (B810233-BS1)

Prepared: 29-Oct-18 Analyzed: 02-Nov-18

Sodium	3.46	1.00	mg/L	3.24		107	85-115			
Potassium	8.26	1.00	mg/L	8.00		103	85-115			
Magnesium	19.4	0.100	mg/L	20.0		97.0	85-115			
Iron	3.73	0.050	mg/L	4.00		93.3	85-115			
Calcium	3.90	0.100	mg/L	4.00		97.5	85-115			
Barium	1.86	0.050	mg/L	2.00		93.1	85-115			

LCS Dup (B810233-BSD1)

Prepared: 29-Oct-18 Analyzed: 31-Oct-18

Magnesium	19.0	0.100	mg/L	20.0		94.8	85-115	2.38	20	
Potassium	8.10	1.00	mg/L	8.00		101	85-115	1.89	20	
Calcium	3.82	0.100	mg/L	4.00		95.4	85-115	2.20	20	
Sodium	3.48	1.00	mg/L	3.24		107	85-115	0.474	20	
Barium	1.82	0.050	mg/L	2.00		91.2	85-115	2.05	20	
Iron	3.70	0.050	mg/L	4.00		92.4	85-115	0.985	20	

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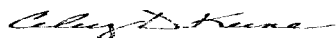
Notes and Definitions

B1	Target analyte detected in method blank at or above method reporting limit. Sample concentration found to be 10 times above the concentration found in the method blank or less than the reporting limit.
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

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Celey D. Keene, Lab Director/Quality Manager

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

+ Cardinal cannot accent verbal changes Place for written changes in (575) 202-2225

CARDINAL LABORATORIES **SCALE INDEX WATER ANALYSIS REPORT**

Company : FULFER OIL & CATTLE	Date Sampled : 10/18/18
Lease Name : NORTH JAL RANCH	Company Rep. : RICK BLACK
Well Number : WINDMILL SAMPLE (H803008-01)	
Location : NOT GIVEN	

ANALYSIS

1. pH	8.07	
2. Specific Gravity @ 60/60 F.	1.0030	
3. CaCO ₃ Saturation Index @ 80 F.	-0.132	
@ 140 F.	+0.568	'Calcium Carbonate Scale Possible'

Dissolved Gasses

4. Hydrogen Sulfide	ND	PPM
5. Carbon Dioxide	ND	PPM
6. Dissolved Oxygen	ND	PPM

Cations

		/	Eq. Wt.	=	MEQ/L
7. Calcium (Ca++)	106.00	/	20.1	=	5.27
8. Magnesium (Mg++)	32.00	/	12.2	=	2.62
9. Sodium (Na+)	102	/	23.0	=	4.91
10. Barium (Ba++)	0.000	/	68.7	=	0.00

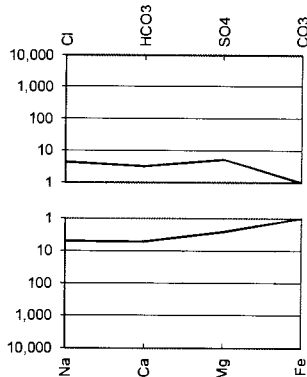
Anions

11. Hydroxyl (OH-)	0	/	17.0	=	0.00
12. Carbonate (CO ₃ =)	0	/	30.0	=	0.00
13. Bicarbonate (HCO ₃ -)	195	/	61.1	=	3.19
14. Sulfate (SO ₄ =)	255	/	48.8	=	5.23
15. Chloride (Cl-)	156	/	35.5	=	4.39

Other

16. Total Iron (Fe)	0.109	/	18.2	=	0.01
17. Total Dissolved Solids	804				
18. Total Hardness As CaCO ₃	396.0				
19. Calcium Sulfate Solubility @ 90 F.	1,516				
20. Resistivity (Measured)	7.990	Ohm/Meters	@ 77	Degrees (F)	

Logarithmic Water Pattern



PROBABLE MINERAL COMPOSITION

COMPOUND	Eq. Wt.	X	MEQ/L	=	mg/L
Ca(HCO ₃) ₂	81.04	X	3.19	=	259
CaSO ₄	68.07	X	2.08	=	142
CaCl ₂	55.50	X	0.00	=	0
Mg(HCO ₃) ₂	73.17	X	0.00	=	0
MgSO ₄	60.19	X	0.00	=	0
MgCl ₂	47.62	X	2.62	=	125
NaHCO ₃	84.00	X	0.00	=	0
NaSO ₄	71.03	X	3.14	=	223
NaCl	58.46	X	1.77	=	104

ND = Not Determined

Entered November 30, 1982
JAR

151

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
DIVISION FOR THE PURPOSE OF
CONSIDERING:

CASE NO. 7719
Order No. R-7137

APPLICATION OF JOHN YURONKA FOR SALT
WATER DISPOSAL, LEA COUNTY, NEW MEXICO.

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 9 a.m. on November 10, 1982, at Santa Fe, New Mexico, before Examiner Daniel S. Nutter.

NOW, on this 30th day of November, 1982, the Division Director, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

FINDS:

(1) That due public notice having been given as required by law, the Division has jurisdiction of this cause and the subject matter thereof.

(2) That the applicant, John Yuronka, is the owner and operator of the Harrison A Well No. 2, located in Unit F of Section 29, Township 24 South, Range 37 East, NMPM, Langlie Mattix Pool, Lea County, New Mexico.

(3) That the applicant proposes to utilize said well to dispose of produced salt water into the Lower Seven Rivers and Upper Queen formations, with injection into the perforated interval from approximately 3,400 feet to 3,501 feet.

(4) That the injection should be accomplished through 2-inch plastic lined tubing installed in a packer set at approximately 3350 feet; that the casing-tubing annulus should be filled with an inert fluid; and that a pressure gauge or approved leak detection device should be attached to the annulus in order to determine leakage in the casing, tubing, or packer.

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Case No. 7719

Order No. R-7137

(5) That the injection well or system should be equipped with a pressure limiting switch or other acceptable device which will limit the wellhead pressure on the injection well to no more than 670 psi.

(6) That the Director of the Division should be authorized to administratively approve an increase in the injection pressure upon a proper showing by the operator that such higher pressure will not result in migration of the injected waters from the Seven Rivers or Queen formations.

(7) That the operator should notify the supervisor of the Hobbs district office of the Division of the date and time of the installation of disposal equipment so that the same may be inspected.

(8) That the operator should take all steps necessary to ensure that the injected water enters only the proposed injection interval and is not permitted to escape to other formations or onto the surface.

(9) That approval of the subject application will prevent the drilling of unnecessary wells and otherwise prevent waste and protect correlative rights.

IT IS THEREFORE ORDERED:

(1) That the applicant, John Yuronka, is hereby authorized to utilize its Harrison A Well No. 2, located in Unit F of Section 29, Township 24 South, Range 37 East, NMPM, Lea County, New Mexico, to dispose of produced salt water into the Lower Seven Rivers and Upper Queen formations of the Langlie Mattix Pool with injection to be accomplished through 2-inch tubing installed in a packer set at approximately 3350 feet, with injection into the perforated interval from approximately 3,400 feet to 3,501 feet;

PROVIDED HOWEVER, that the tubing shall be plastic-lined; that the casing-tubing annulus shall be filled with an inert fluid; and that a pressure gauge shall be attached to the annulus or the annulus shall be equipped with an approved leak detection device in order to determine leakage in the casing, tubing, or packer.

(2) That the injection well or system shall be equipped with a pressure limiting switch or other acceptable device which will limit the wellhead pressure on the injection well to no more than 670 psi.

-3-

Case No. 7719
Order No. R-7137

(3) That the Director of the Division may authorize an increase in injection pressure upon a proper showing by the operator of said well that such higher pressure will not result in migration of the injected fluid from the Seven Rivers or Queen formations.

(4) That the operator shall notify the supervisor of the Hobbs district office of the Division of the date and time of the installation of disposal equipment so that the same may be inspected.

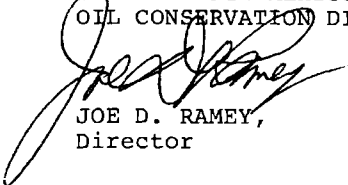
(5) That the operator shall immediately notify the supervisor of the Division's Hobbs district office of the failure of the tubing, casing, or packer, in said well or the leakage of water from or around said well and shall take such steps as may be timely and necessary to correct such failure or leakage.

(6) That the applicant shall submit monthly reports of its disposal operations in accordance with Rules 702, 703, 704, 705, 706, 708, and 1120 of the Division Rules and Regulations.

(7) That jurisdiction of this cause is retained for the entry of such further orders as the Division may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION


JOE D. RAMEY,
Director

S E A L



FORM C-108 Technical Review Summary [Prepared by reviewer and included with application; V16.2]

DATE RECORD: First Rec: 5/1/2018 Admin Complete: _____ or Suspended: _____ Add. Request/Reply: _____

ORDER TYPE: WFX / PMX / SWD Number: 176-2 Order Date: _____ Legacy Permits/Orders: 12-7137

Well No. 1 Well Name(s): Kilgus, Kyle

API: 30-0 25-26490 Spud Date: 10/4/1974 New or Old (EPA): 0 (UIC Class II Primacy 03/07/1982)

Footages 1650 FUL Lot _____ or Unit F Sec 24 Tsp 24S Rge 37E County LC

General Location: 5 miles N JAI Pool: SWD, seven rivers Pool No.: 96132

BLM 100K Map: JAI Operator: FALCON OGRID: 1440 Contact: Beckstrom

COMPLIANCE RULE 5.9: Total Wells: 50 Inactive: 0 Fincl Assur: OK Compl. Order? MY IS 5.9 OK? NA Date: 11-01-2018

WELL FILE REVIEWED 0 Current Status: Approved TA Active (Expired TA)

WELL DIAGRAMS: NEW: Proposed 0 or RE-ENTER: Before Conv. 0 After Conv. 0 Logs in Imaging: X

Planned Rehab Work to Well: _____

Well Construction Details		Sizes (in)	Setting	Cement	Cement Top and
		Borehole / Pipe	Depths (ft)	Sx or Cf	Determination Method
Planned ___ or Existing ___ Surface	<u>12" / 8' 8"</u>	<u>409</u>	Stage Tool	<u>350</u>	<u>SURFACE / VISUAL</u>
Planned ___ or Existing ___ Interm/Prod	<u>7" / 4' 11"</u>	<u>3660</u>		<u>650</u>	<u>SURFACE / VISUAL</u>
Planned ___ or Existing ___ Interm/Prod					
Planned ___ or Existing ___ Prod/Liner					
Planned ___ or Existing ___ Liner					
Planned ___ or Existing ___ OH / PERF	<u>34W-35W</u>		Inj Length		
			<u>10'</u>		

Injection Lithostratigraphic Units:		Depths (ft)	Injection or Confining Units	Tops
Adjacent Unit: Litho. Struc. Por.			<u>7202S</u>	<u>3157</u>
Confining Unit: Litho. Struc. Por.			<u>Queen</u>	<u>3494</u>
Proposed Inj Interval TOP:				
Proposed Inj Interval BOTTOM:				
Confining Unit: Litho. Struc. Por.				
Adjacent Unit: Litho. Struc. Por.				

Completion/Operation Details:	
Drilled TD	<u>3660</u> PBSD
NEW TD	NEW PBSD
NEW Open Hole	<u>0</u> or NEW Perfs <u>0</u>
Tubing Size	<u>2 7/8"</u> Inter Coated? <u>X</u>
Proposed Packer Depth	<u>3300</u> ft
Min. Packer Depth	<u>3300</u> (100-ft limit)
Proposed Max. Surface Press.	<u>650</u> psi
Admin. Inj. Press.	<u>650</u> (0.2 psi per ft)

AOR: Hydrologic and Geologic Information

POTASH: R-111-P NA Noticed? _____ BLM Sec Ord 0 WIPP 0 Noticed? _____ Salt/Salado T: _____ B: _____ NW: Cliff House fm _____

FRESH WATER: Aquifer Quaternary Max Depth 260 HYDRO AFFIRM STATEMENT By Qualified Person 0

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

Disposal Fluid: Formation Source(s) Produced Water Analysis? NA On Lease 0 Operator Only 0 or Commercial 0

Disposal Interval: Inject Rate (Avg/Max BWPD): 500 Protectable Waters? NA Source: _____ System: Closed or Open

HC Potential: Producing Interval? _____ Formerly Producing? X Method: Logs/DST/P&A/Other Production 2-Mi Radius Pool Map 0

AOR Wells: 1/2-M Radius Map and Well List? X No. Penetrating Wells: 1K [AOR Horizontals: NA AOR SWDs: 0]

Penetrating Wells: No. Active Wells 14 Num Repairs? _____ on which well(s)? _____ Diagrams? _____

Penetrating Wells: No. P&A Wells 4 Num Repairs? _____ on which well(s)? _____ Diagrams? X

NOTICE: Newspaper Date May 4, 2018 Mineral Owner Appl. Int'l Energy Surface Owner Henry Harrison N. Date 05-01-2018

RULE 26.7(A): Identified Tracts? X Affected Persons: Appl. Int'l Energy N. Date 05-01-2018

Order Conditions: Issues: _____

Additional COAs: 1. Lease only 2. No commercial disposal 3. Direction

Goetze, Phillip, EMNRD

From: Ron Harrison <rmharriz51@aol.com>
Sent: Wednesday, May 30, 2018 4:23 PM
To: Goetze, Phillip, EMNRD
Cc: hma123@hotmail.com; richardcrawford590@yahoo.com; ben@sosconsulting.us
Subject: Fwd: Fulfer's Kimmy K SWD C-108 application...
Attachments: C-108_Fulfer_KimmySWD_C-108_AsSubmitted_20180510.pdf

Dear Mr. Goetze,

On May 1, 2018 I had written to you in order to protest an application for approval to repermit a SWD well by Fulfer Oil and Cattle.

My understanding is that the application as printed in the Hobbs newspaper was never submitted. An amended notice was later published and that notice is the one the application is based on.

I am writing now to advise that I am withdrawing my objection to approval of the permit based on the application as attached from Mr. Ben Stone of SOS consulting.

Thank you for your consideration.

Ronald Harrison

-----Original Message-----

From: ben <ben@sosconsulting.us>
To: rmharriz51 <rmharriz51@aol.com>
Sent: Wed, May 23, 2018 3:38 pm
Subject: Fulfer's Kimmy K SWD C-108 application...

Hi Ron,

Thanks for the visit. The PDF application is attached. Please let me know if you have any other questions.

If not, please take a moment to shoot an email to OCD to withdraw the protest.

Thanks again,
Ben



Ph. 903.488.9850 Fax 866.400.7628

P.O. Box 300 - Como, TX 75431

Visit us on the web at www.sosconsulting.us!

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