

ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
 - Engineering Bureau -
 1220 South St. Francis Drive, Santa Fe, NM 87505



Mesquite
 RECEIVED

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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]

Clark Well #1

30-015-24305

[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 _____

Handwritten signature and date: 12/16/09

[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.

Kay Havenor _____ Agent
 Print or Type Name Signature Title Date 12/8/09
 KHavenor@georesources.com
 e-mail Address

APPLICATION FOR AUTHORIZATION TO INJECT

I. PURPOSE: _____ Secondary Recovery _____ Pressure Maintenance Disposal _____ Storage
Application qualifies for administrative approval? Yes _____ No

II. OPERATOR: Mesquite SWD, Inc.

ADDRESS: P.O. Box 1479 Carlsbad, NM 88221

CONTACT PARTY: Kay Havenor PHONE: 575-622-0283

III. WELL DATA: Complete the data required on the reverse side of this form for each well proposed for injection.
Additional sheets may be attached if necessary.

IV. Is this an expansion of an existing project? _____ Yes No
If yes, give the Division order number authorizing the project: _____

V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.

VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.

VII. Attach data on the proposed operation, including:

1. Proposed average and maximum daily rate and volume of fluids to be injected;
2. Whether the system is open or closed;
3. Proposed average and maximum injection pressure;
4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; 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. Attach appropriate geologic data on the injection zone including appropriate lithologic detail, geologic name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such sources known to be immediately underlying the injection interval.

IX. Describe the proposed stimulation program, if any.

*X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted).

*XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.

XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water.

XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.

XIV. Certification: I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.

NAME: Kay Havenor TITLE: Agent

SIGNATURE: *Kay Havenor* DATE: 12/7/2009

E-MAIL ADDRESS: KHavenor@georesources.com 575-622-0283

* 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

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

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

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

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

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

XIV. PROOF OF NOTICE

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

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

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

INJECTION WELL DATA SHEET

OPERATOR: Mesquite SWD, Inc.

WELL NAME & NUMBER: Clark SWD No. 1

WELL LOCATION: 1650' FNL & 2310' FEL
FOOTAGE LOCATION

UNIT LETTER: G SECTION: 11 TOWNSHIP: 26S RANGE: 28E

WELLBORE SCHEMATIC

WELL CONSTRUCTION DATA
Surface Casing

Hole Size: 17-1/2" Casing Size: 13-1/2"
Cemented with: 450 sx. or ft³
Top of Cement: Surface Method Determined: Circulated

See attached well diagram

Intermediate Casing

Hole Size: 12-1/4" Casing Size: 8-5/8"
Cemented with: 200 sx. or ft³
Top of Cement: 2230' Method Determined: N/R

Production Casing

Hole Size: 7-7/8" Casing Size: 4-1/2"
Cemented with: 775 sx. or ft³
Top of Cement: 1400' Method Determined: N/R

Total Depth: 5803'

7644 Injection Interval
Perfs 2692' - 5052' and Open Hole 5130' to 5803' TD

(Perforated or Open Hole; indicate which)

INJECTION WELL DATA SHEET

Tubing Size: 3-1/2" L80 upset Lining Material: IPC 1850 coated

Type of Packer: Lok-Set

Packer Setting Depth: Approx 2600 ft

Other Type of Tubing/Casing Seal (if applicable): _____

Additional Data

1. Is this a new well drilled for injection? _____ Yes X No
If no, for what purpose was the well originally drilled? Oil/gas
2. Name of the Injection Formation: Delaware Mtn Group: Bell Canyon and Cherry Canyon
3. Name of Field or Pool (if applicable): NA (Not Applicable)
4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. No

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: No commercial Delaware Mountain Group production in the 2-mile area.

Bone Spring is productive to east below 6480' in A-Sec 12, T26S-R28E. Morrow gas is produced in unit F

Sec 5, T26S-R28E outside the 2-mile radius.

Clark SWD No. 1
1650' FNL & 2310' FEL
Sec. 11, T26S-R28E
Eddy County, NM

SPOT10 Satellite and Matching Topographic Map



Clark SWD No. 1
1650' FNL & 2310' FEL
Sec. 11, T26S-R28E
Eddy County, NM

Item VII:

1. The maximum injected volume anticipated is 20,000 BWPD. Average anticipated is 15,000 BWPD.
2. Injection will be through a closed system.
3. Maximum injection pressure is expected to be 1475 PSI.
4. Sources will be only produced water.
5. Water sample analysis Delaware Formation 30-015-29376 Sec. 1, T25S-R28E, Eddy Co. See figure from WATIS database below. This is the closest Delaware water sample available, approximately 360,000 ppm TDS.

oversaturated!

~~HIGH~~

NM WAIDS



Water Samples for Well HOPI FEDERAL 001
API = 3001529367
Formation = DEL
Field = WILLOW LAKE
Current Water Production Information

Instructions:

- Click For general information about this sample.
- Click For scale calculation pages (Stiff-Davis or Odco Tomson methods).
- Click To select **this water sample** for water mixing. It will lead to the main page, and add the sample ID to the mixing table.
- Click **664** Click the hyperlinked sample number to make a .csv for that sample, or select several check boxes and click Submit for multiple samples
The ions are in (mg/L) units.

	SampleID	T	R	S	SO4	CL	CO3	HCO3	K	Na	Ca	Mg
<input type="checkbox"/>	5869											
<input type="checkbox"/>				25S 28E 01 84	221998 0	74	746	109024	25348	2749		
<input type="checkbox"/> SELECT/DESELECT ALL												

Clark SWD No. 1
1650' FNL & 2310' FEL
Sec. 11, T26S-R28E
Eddy County, NM

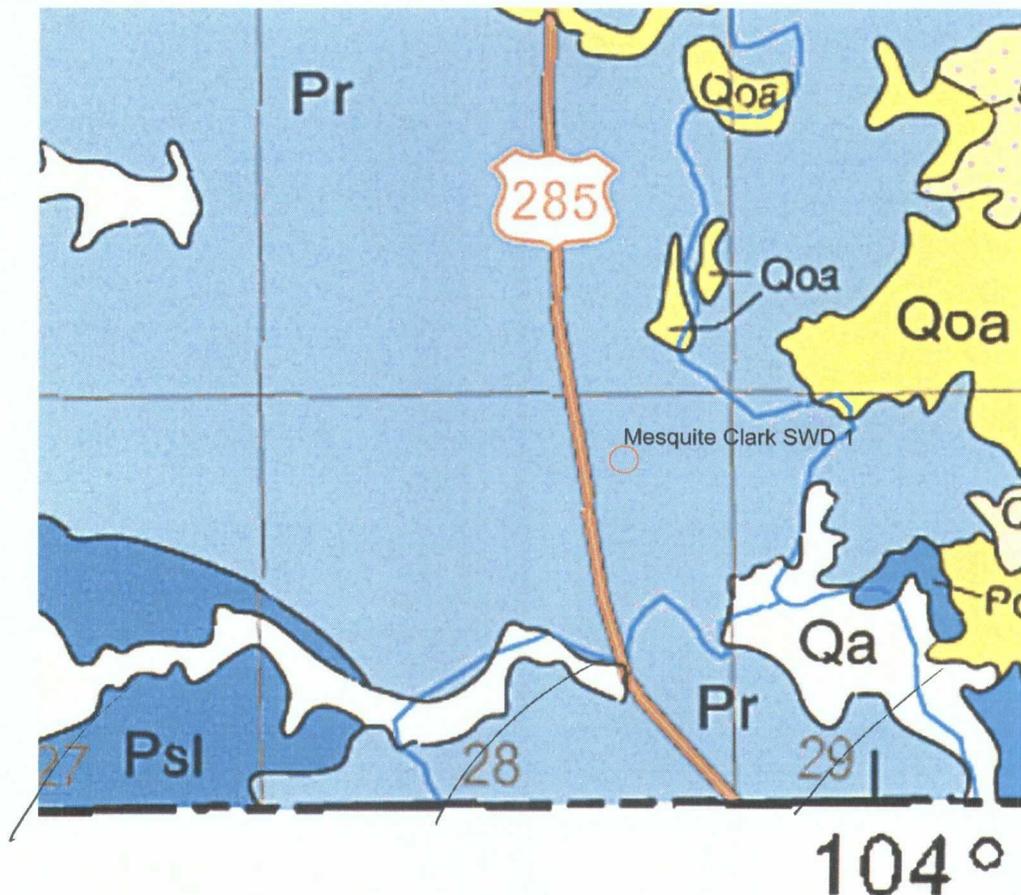
Item VIII:

The injection formation will be the Delaware Mountain Group. The overall proposed injection interval will include the Bell Canyon, Cherry Canyon, and upper portion of the Brushy Canyon formations. The injection interval will not include approximately 270 ft of the lower Brushy Canyon above the Bone Springs Formation.

One shallow stock water well (C-02924) was permitted and drilled within the AOR and north approximately 600 ft (estimated) of the proposed Clark SWD #1 location. The well was permitted to a TD no greater than 300 ft. The well was completed as a dry hole 10/4/2002. The Clark SWD #1 surface casing cement was circulated from 424 ft.

Water wells in Sec. 2, T26S-R28E are permitted to a depth no greater than the Quaternary alluvial valley fill. A well in SW/SW/NE Sec. 2, T26S-R28E C-02160 with a TD of 300 ft reported water at 120 ft.

The surface of the area included in the 2-mile radius, as shown in Item V above, and in the extracted portion of the New Mexico Bureau of Geology State Geological map (2003), shown below. Quaternary alluvium and valley fill deposited on Permian Rustler Formation (Pr). The top of the Rustler is at 510' and top of the first salt in the reentry well is found at 650 ft. The base of the evaporite sequence rests unconformably on the Lamar Limestone of the Delaware Mountain Group at 2590 ft.



Jones, William V., EMNRD

From: Kay Havenor [khavenor@georesources.com]
Sent: Friday, January 15, 2010 3:49 PM
To: Jones, William V., EMNRD
Subject: Fresh water analysis
Attachments: W09-052 Marbob MM4Mesquite Water Analysis.pdf

30-015-24305
Received APP: 12/14/09

Will,

(Rule 5.9 + Letter Request)

As per your request for a fresh water sample analysis near the proposed Mesquite SWD, Inc., Clark SWD #1 30-15-24305, G-Sec. 11, T26S-R28E, Eddy Co., I am attaching a Halliburton analysis run June 23, 2009 on a Mesquite water well just to the south.

Mesquite SWD, Inc. Eddy Co. NM OSE C-2160 S located approximately 210' FNL & 2300' FEL of Sec. 14, T26S-R28E. This well is 300 ft deep and is a commercial fresh water supply well for construction and oi/gas operations. It is approximately 3775' due south of the proposed Clark SWD #1 in Sec. 11, T26S-R28E.

I apologize for the delay in getting this back to you. Holidays got in the way. I trust yours were good.

Kay

Kay C. Havenor, Ph.D., PG. CPG
GeoScience Technologies
200 West First Street, Suite 747
Roswell, NM 88203-4678
(575) 622-0283

~~Rechecked with Memo~~
~~Change new well?~~

This inbound email has been scanned for malicious software and transmitted safely to you using Webroot Email Security.

HALLIBURTON

PERMAIN BASIN OPERATIONS LABORATORY
 WATER ANALYSIS REPORT
 HOBBS, NEW MEXICO

COMPANY Marbob

REPORT W09-052
 DATE June 23, 2009
 DISTRICT Hobbs

SUBMITTED BY Bret Barrett

WELL MM4 Water Well (Mesquite) DEPTH _____ FORMATION _____
 COUNTY _____ FIELD _____ SOURCE _____

SAMPLE

Sample Temp.	<u>70</u> °F	_____ °F	_____ °F	_____ °F
RESISTIVITY	<u>2.600</u>	_____	_____	_____
SPECIFIC GR.	<u>1.002</u>	_____	_____	_____
pH	<u>7.85</u>	_____	_____	_____
CALCIUM	<u>1,000</u> mpl	_____ mpl	_____ mpl	_____ mpl
MAGNESIUM	<u>720</u> mpl	_____ mpl	_____ mpl	_____ mpl
CHLORIDE	<u>1,584</u> mpl	_____ mpl	_____ mpl	_____ mpl
SULFATES	<u>2,400</u> mpl	_____ mpl	_____ mpl	_____ mpl
BICARBONATES	<u>183</u> mpl	_____ mpl	_____ mpl	_____ mpl
SOLUBLE IRON	<u>0</u> mpl	_____ mpl	_____ mpl	_____ mpl
KCL	<u>Negative</u>	_____	_____	_____
Sodium	<u>-264</u> mpl	<u>0</u> mpl	<u>0</u> mpl	<u>0</u> mpl
TDS	<u>5,623</u> mpl	<u>0</u> mpl	<u>0</u> mpl	<u>0</u> mpl
OIL GRAVITY	<u>@</u> °F	<u>@</u> °F	<u>@</u> °F	<u>@</u> °F

REMARKS Due to the high concentration of sulfates we would not recommend using this water for cement or frac fluids.

MPL = Milligrams per liter
 Resistivity measured in: Ohm/m2/m

This report is the property of Halliburton Company and neither it nor any part thereof nor a copy thereof is to be published or disclosed without first securing the express written approval of laboratory management; it may however, be used in the course of regular business operations by any person or concern and employees thereof receiving such report from Halliburton Co.

ANALYST: MA

Clark SWD No. 1
1650' FNL & 2310' FEL
Sec. 11, T26S-R28E
Eddy County, NM

Item IX:

Acid wash of previous and new perforation of sand porosity zones between 2630 - 5052' and in the open hole sand zones between 5130' and TD 5803' may be attempted. No fracturing is planned.

Item X:

Logs are on file with the OCD.

Item XI:

Several shallow water wells located in the NE/4 of Section 2, 1-mile north of the proposed Mesquite SWD Clark #1 are used for water sales for oil/gas drilling and road projects. There are no chemical analyses available for those wells. Please note Item VIII above.

Item XII:

There is no geological evidence of open faults nor hydrologic connection between the disposal zone and any possible underground sources of protectable water.

Clark SWD No. 1
 1650' FNL & 2310' FEL
 Sec. 11, T26S-R28E
 Eddy County, NM

Plugging diagram of 30-015-24305 - the target re-entry.

PLUG AND ABANDON WELL DIAGRAM

API: 3001524305
 Operator: Wayne Moore
 Lease: Clark
 Location: Sec 11, T26S-R28E Eddy Co., NM
 Footage: 1650 FNL, 2310 FEL

Well No: 1

KB: 2966
 GL: 2953
 Spud date: March 18, 1982
 Plugged date: August 29, 1990
 MSL of TD: -2837

Surface Csg

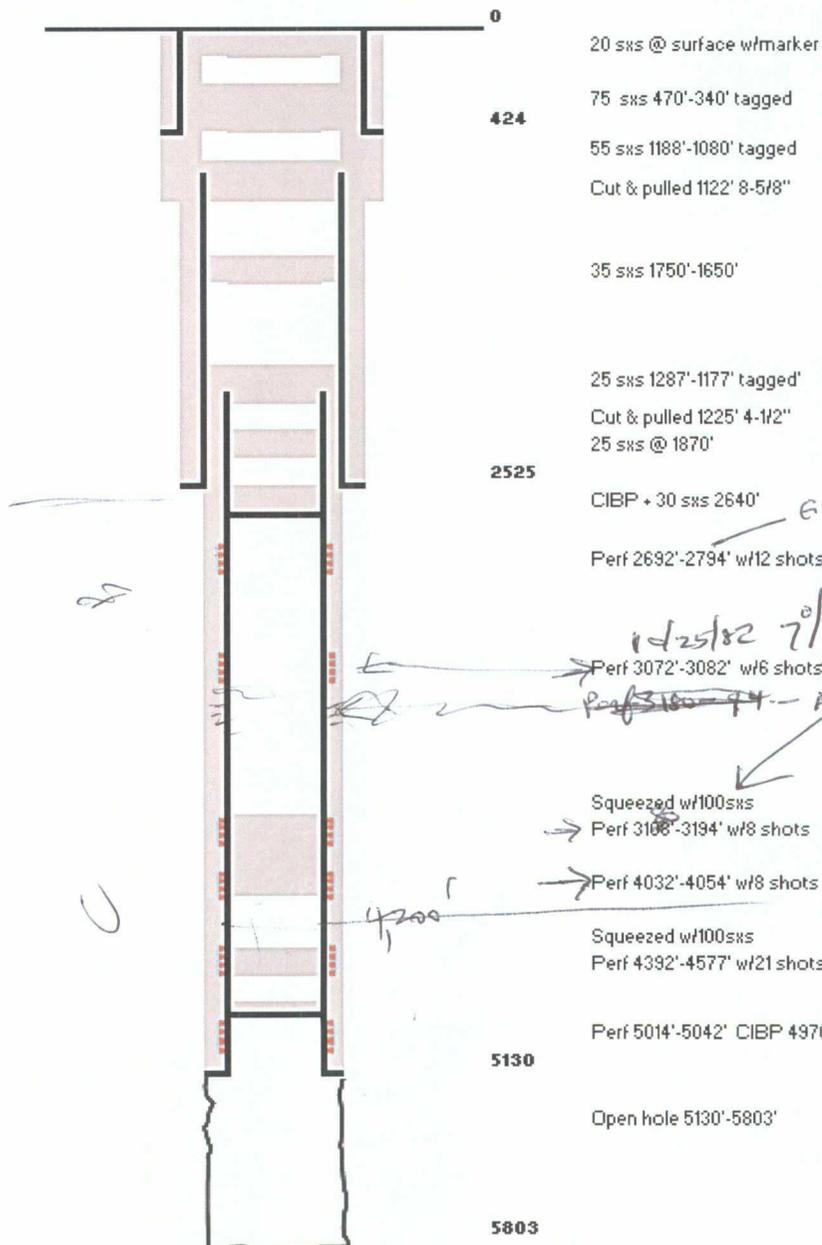
Size: 13-3/8"
 Set @: 424
 Sxs cmt: 450
 Circ: Yes
 TOC: Surface
 Hole Size: 17-1/2"

Intermediate Csg

Size: 8-5/8"
 Set @: 2525
 Sxs cmt: 200
 Circ: No
 TOC: NR
 Hole Size: 12-1/4"

Production Csg

Size: 4-1/2"
 Set @: 5130
 Sxs cmt: 1065
 Circ: No
 TOC: 1400
 Hole Size: 7-5/8"



Not to Scale

Clark SWD No. 1
 1650' FNL & 2310' FEL
 Sec. 11, T26S-R28E
 Eddy County, NM

Proposed re-entry and completion well diagram

REENTRY AND COMPLETION DIAGRAM

API: 3001524305
 Operator: Mesquire SWD, Inc.
 Lease: Clark SWD
 Location: Sec 11, T26S-R28E Eddy Co., NM
 Footage: 1650 FNL, 2310 FEL

Well No: 1

KB:
 GL: 2953

Surface Csg

Size: 13-3/8"
 Set @: 424
 Sxs cmt: 450
 Circ: Yes
 TOC: Surface
 Hole Size: 17-1/2"

Intermediate Csg

Size: 8-5/8"
 Set @: 2525
 Sxs cmt: 200
 Circ: No
 TOC: NR
 Hole Size: 12-1/4"

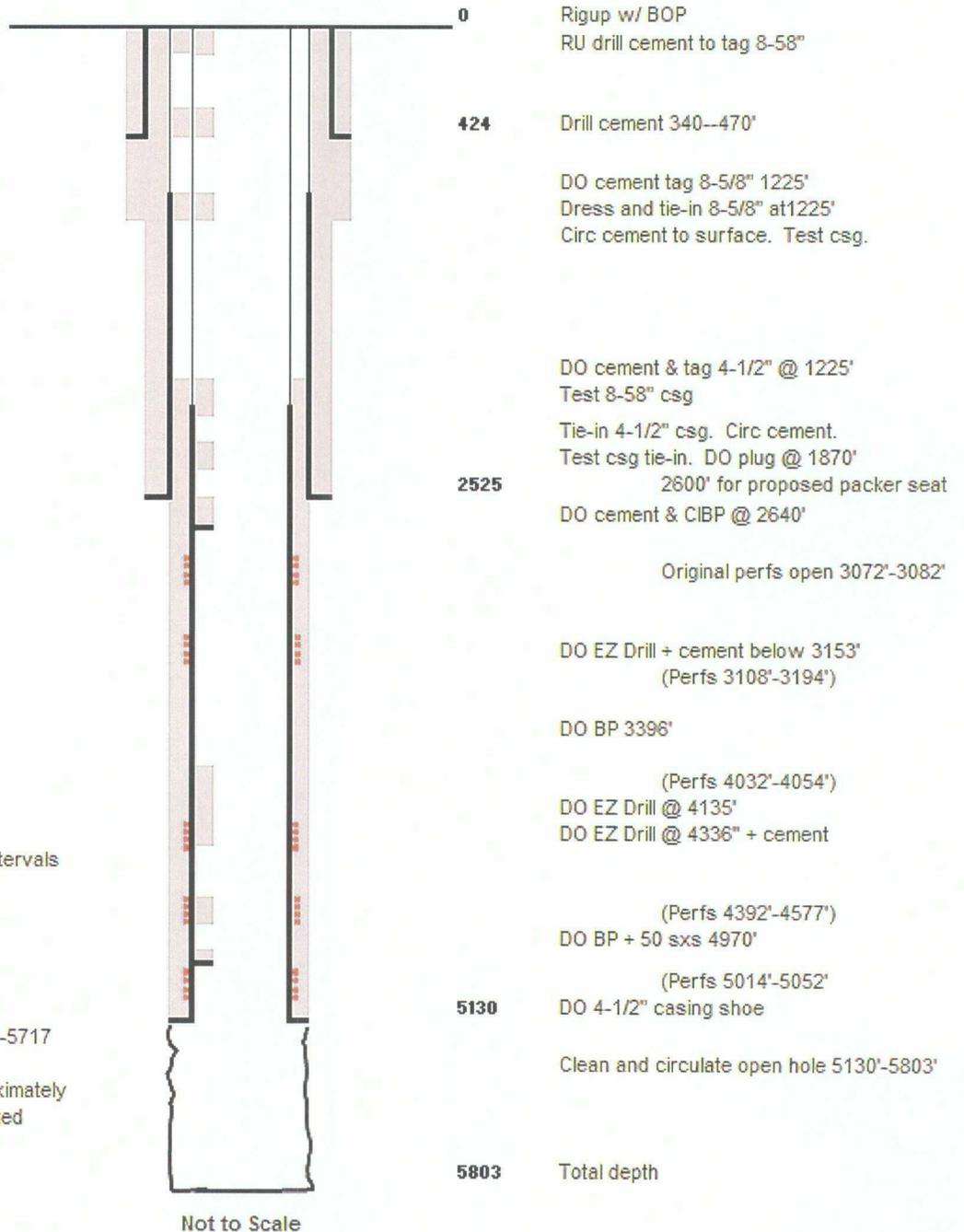
Production Csg

Size: 4-1/2"
 Set @: 5130
 Sxs cmt: 1065
 Circ: No
 TOC: 1400
 Hole Size: 7-5/8"

After CO perf casing and acidize intervals
 selectively from 2644 to 5062

Open hole acidize 5342-5382, 5634-5717

Lok-Set packer in 4-1/2" csg approximately
 2630' on 2-1/2" upset IPC 1850 coated



Not to Scale

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

Form C-103
Revised 10-1-78

NO. OF COPIES RECEIVED		
DISTRIBUTION		
SANTA FE	<input checked="" type="checkbox"/>	
FILE	<input checked="" type="checkbox"/>	
U.S.G.S.		
LAND OFFICE		
OPERATOR	<input checked="" type="checkbox"/>	

54. Indicate Type of Lease
State Fee

5. State Oil & Gas Lease No.

7. Unit Agreement Name

8. Name of Lease Name
CLARK

9. Well No.
1

10. Field and Pool or Whichever
WILDCAT

18. County
EDDY

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

OIL WELL GAS WELL OTHER

Name of Operator
WAYNE MOORE

Address of Operator
403 N MARIENFELD MIDLAND, TEXAS 79701

Location of Well
UNIT LETTER G 1650 FEET FROM THE N 2310 FEET FROM
THE E 11 TOWNSHIP 26S RANGE 28E 50PM.

15. Elevation (Show whether DF, RT, GR, etc.)
2953 GL

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 OPER. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
CALL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input checked="" type="checkbox"/>	OTHER <input type="checkbox"/>

Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1709.

Cemented 4 1/2" 10.5 J55 at 5130'
1st Stage: 375 sx 65:35 Class "C" 5 % Kolite per sack
2 % Gel - 1 % Sl .4% D60 .2% D46
Unable to break circulation for second stage,
Bond log indicates top cement at 3784'. Perforate 2 holes
at 3774' and pump 590 sx 65:35 Class "C" 5 % Kolite per sack
2 % Gel, 1 % Sl .4% D60 .4% D46 add 100 sk Class "C" 2 % CACL
Top cement at 1400' Will drill out and test.

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

SIGNED [Signature] TITLE Co-owner DATE 11-19-82

APPROVED BY [Signature] TITLE OIL AND GAS INSPECTOR DATE NOV 30 1982

CONDITIONS OF APPROVAL, IF ANY:

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly drilled or deepened well. It shall be accompanied by one copy of all electrical and radioactivity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 10 through 14 shall be reported for each zone. This form is to be filed in quadruplicate except on state land, where six copies are required. See Rule 1195.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

Northwestern New Mexico

T. Anhy <u>626</u>	T. Canyon _____	T. Ojo Alamo _____	T. Penn. "B" _____
T. Salt <u>1037</u>	T. Strawn _____	T. Kirtland-Fruitland _____	T. Penn. "C" _____
B. Salt <u>2381</u>	T. Atoka _____	T. Pictured Cliffs _____	T. Penn. "D" _____
T. Yates _____	T. Miss _____	T. Cliff House _____	T. Leadville _____
T. 7 Rivers _____	T. Devonian _____	T. Menefee _____	T. Madison _____
T. Queen _____	T. Silurian _____	T. Point Lookout _____	T. Elbert _____
T. Grayburg _____	T. Montoya _____	T. Mancos _____	T. McCracken _____
T. San Andres _____	T. Simpson _____	T. Gallup _____	T. Ignacio Qtzte _____
T. Glorieta _____	T. McKee _____	Base Greenhorn _____	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota _____	T. _____
T. Blinberry _____	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb _____	T. Granite _____	T. Todillo _____	T. _____
T. Drinkard _____	T. Delaware Sand <u>2638</u>	T. Entrada _____	T. _____
T. Abo _____	T. Bone Springs _____	T. Wingate _____	T. _____
T. Wolfcamp _____	T. _____	T. Chinle _____	T. _____
T. Penn. _____	T. _____	T. Permian _____	T. _____
T. Cisco (Bough C) _____	T. _____	T. Penn. "A" _____	T. _____

No. 1, from <u>4032</u> to <u>4085</u> OIL OR GAS	No. 4, from _____ to _____
No. 2, from <u>3180</u> to <u>3215</u> GAS	No. 5, from _____ to _____
No. 3, from <u>3072</u> to <u>3128</u> OIL	No. 6, from _____ to _____

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from <u>NONE</u> to _____ feet
No. 2, from _____ to _____ feet
No. 3, from _____ to _____ feet
No. 4, from _____ to _____ feet

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	626	626	Salado - GYP				
626	1839	1213	Anhydrite				
1839	2011	172	Salt				
2011	2092	81	Anhydrite				
2092	2381	289	Salt				
2381	2582	201	Sand & Anhydrite				
2582	2638	56	Lime				
2638	5803		Delaware				
5803	TD	3221					

Clark #1

STATE OF NEW MEXICO
OIL AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION
P. O. BOX 200
SANTA FE, NEW MEXICO 87501
O. C. D.

RECEIVED
NOV 10 1983
NOTICE OFFICE

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	<input checked="" type="checkbox"/>
FILE	<input checked="" type="checkbox"/>
REG. S.	
LAND OFFICE	
OPERATOR	

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

54. Indicate Type of Lease
State Fee
55. State Oil & Gas Lease No.
7. Unit Agreement Name
8. Farm or Lease Name
Clark
9. Well No.
#1
10. Field and Pool, or Wildcat
WILDCAT - Delaware

TYPE OF WELL
Oil Well GAS WELL DRY OTHER _____
TYPE OF COMPLETION
New Well WORK OVER DEEPEN PLUG BACK DIFF. NEUTR. OTHER _____

Name of Operator
WAYNE MOORE ✓
Address of Operator
403 N. MARIENFELD MIDLAND TEXAS 79701
Location of Well

WELL LETTER G LOCATED 1980 FEET FROM THE N LINE AND 2310 FEET FROM

LINE OF SEC. 11 TWP. 26S RGE. 28E

11. Date Spudded 10-18-82 16. Date T.D. Reached 11-11-82 17. Date Compl. (Ready to Prod.) 9-25-83 18. Elevations (DF, RKB, RT, GR, etc.) 2953 GL 19. Elev. Casinghead 2956'
20. Total Depth 5803 21. Plug Back T.D. 3146 22. If Multiple Compl., How Many
23. Intervals Drilled By Rotary Tools Cable Tools
26' - 5803' 0 - 26'
24. Producing Interval(s), of this completion - Top, Bottom, Name
3072 - 3082 BELL CANYON
25. Was Directional Survey Made YES
26. Type Electric and Other Logs Run
Dual Laterlog Densilog Neutron Gamma Ray
27. Was Well Cored NO

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13 3/8	61#	424	17 1/2	460 SX	0
8 5/8	32#	2525	12 1/4	200 SX	0
4 1/2	10.5	5130	7 7/8	1065 SX	0

LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2"	3148	

28. Perforation Record (Interval, size and number)
See attached

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
SEE ATTACHED INFORMATION	

PRODUCTION

31. First Production 10-25-82 Production Method (Flowing, gas lift, pumping - Size and type pump) PUMPING Well Status (Prod. or Shut-in) PRODUCING
33. Date of Test 10-25-82 Hours Tested 24 Choke Size - Prodn. For Test Period
Oil - Bbl. 6 Gas - MCF 35 Water - Bbl. 51 Gas - Oil Ratio 1700 - 1
34. Flow Tubing Press. - Casing Pressure - Calculated 24-Hour Rate
Oil - Bbl. 7 Gas - MCF 24 Water - Bbl. 57 Oil Gravity - API (Corr.) 32

35. Disposition of Gas (Sold, used for fuel, vented, etc.) used to operate equipment Test Witnessed By Tom E. Moore

36. List of Attachments
Perforation stimulation and squeeze record

I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.

SIGNED Wayne Moore TITLE _____ DATE 11-2-83

TOM E. MOORE
RECORDS BUILDING
M.D. AND TEXAS 79701



Interval #1 5014 - 17 - 22 - 24 - 27 - 34 - 40 - 48 - 52
1, .4" shot per foot

Acidize with 1000 gals 7½ % NE FE
Set BP @ 9970 with 50' cement on top

Interval #2 4392- 4400 - 23 - 26 - 28 - 33 - 35 - 41 - 44 - 49 -
54 - 69 - 4500 - 06
4511 - 50 - 54 - 66 - 70 - 72 - 77
1, .4" shot per foot

Acidize with 2500 gals 7½% NE FE Acid

Set EZ Drill at 4524 and squeeze with 135 sx class
C Cement

Set EZ Drill at 4336 and squeeze with 100 sx C cement

Set EZ Drill at 4135 - cannot pump into well

Interval #3 4032 - 34 - 36 - 38 - 47 - 49 - 52 - 54
1, .4" shot per foot

Acidize with 2000 gals 7½% DSCO Acid
Frac 20000 gals 2% KCL and 46,000 lbs 20/40 sand

Well produce 4 - 6 bbls oil per day
plus 150-200 bbls water per day

set BP at 3396

Interval #4 3180- 84 - 86 - 88 - 90 - 94
1, .4" shot per foot

Acidize with 1000 gals NE FE

Frac 10,000 gal 2% KCL, 20,000 20/40 sand

Well made some gas, but too much water

Set EX Drill @ 3153 and squeezed with 100 sx C
20% CRLC

Interval #5 3072 - 74 - 76 - 78 - 80 - 82
2, .4" shots per foot

Acidize with 1000 gals 7½ % NE FE

Swab 4 bbl per hour 25-30% Oil

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

Form C-103
Revised 12-1-78

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SUNDRY NOTICES AND REPORTS ON WELLS

DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO OILIFY OR PLUG BACK TO A DIFFERENT RESERVOIR.
USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.

OIL WELL GAS WELL OTHER

Name of Operator
WAYNE MOORE

Address of Operator
403 N. Marienfeld, Midland, Texas 79701

Location of Well
UNIT LETTER G 1650 FEET FROM THE N LINE AND 2310 FEET FROM

THE E LINE, SECTION E 11 TOWNSHIP 26S RANGE 28E

15. Elevation (Show whether DP, RT, GR, etc.)
3222 GL

11. Indicate Type of Lease
State Fee

12. State Oil & Gas Lease No.

13. Unit Agreement No.

14. Form or Lease Name
Clark

15. Well No.
#1

16. Field and Pool, or Wildcat
Wildcat - Delaware

17. County
Eddy

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

NOTICE OF INTENTION TO:

1700H REMEDIAL WORK
 APPARENTLY ABANDON
 WELL OR ALTER CASING
 OTHER

PLUG AND ABANDON
 CHANGE PLANS
 OTHER

SUBSEQUENT REPORT OF:

REMEDIAL WORK
 COMMENCE DRILLING OPER.
 CASING TEST AND CEMENT JOB
 OTHER

ALTERING CASING
 PLUG AND ABANDONMENT

Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of ceasing any proposed work) SEE RULES 116B.

Set Bridge Plug @ 2870' and perforate
Stimulate and test as necessary
Bell Canyon Zone 2692 - 2724

*POSSIBLE Gas Zone
BUT did NOT YIELD*

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

Original Signed By Joan TITLE Partner DATE 7/31/84

Approved By Leslie A. Clements SUPERVISOR, DISTRICT II DATE FEB 14 1985

CONDITIONS OF APPROVAL, IF ANY:

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Commission not later than 30 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 30 through 34 shall be reported for each zone. The form is to be filed in quadruplicate except on state land, where six copies are required. See Rule 1405.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

Northwestern New Mexico

T. Anhy <u>465</u>	T. Canyon _____	T. Ojo Alamo _____	T. Penn. "B" _____
T. Salt <u>1890</u>	T. Strawn _____	T. Kirtland-Fruitland _____	T. Penn. "C" _____
B. Salt <u>2430</u>	T. Atoka _____	T. Fictured Cliffs _____	T. Penn. "D" _____
T. Yates _____	T. Miss _____	T. Cliff House _____	T. Leadville _____
T. 7 Rivers _____	T. Devonian _____	T. Menefee _____	T. Madison _____
T. Queen _____	T. Silurian _____	T. Point Lookout _____	T. Elbert _____
T. Grayburg _____	T. Montoya _____	T. Mancos _____	T. McCracken _____
T. San Andres _____	T. Simpson _____	T. Gallup _____	T. Ignacio Qtzite _____
T. Glorieta _____	T. McKee _____	Base Greenhorn _____	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota _____	T. _____
T. Blinebry _____	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb _____	T. Granite _____	T. Todilto _____	T. _____
T. Drinkard _____	T. Delaware Sand _____	T. Entrada _____	T. _____
T. Abo _____	T. Bone Springs _____	T. Wingate _____	T. _____
T. Wolfcamp _____	T. Laker <u>2620</u>	T. Chinle _____	T. _____
T. Penn. _____	T. Ramsay <u>2676</u>	T. Permian _____	T. _____
T. Cisco (Bough C) _____	T. _____	T. Penn. "A" _____	T. _____

OIL OR GAS SANDS OR ZONES

No. 1, from <u>None</u> to _____	No. 4, from _____ to _____
No. 2, from _____ to _____	No. 5, from _____ to _____
No. 3, from _____ to _____	No. 6, from _____ to _____

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from <u>135</u> to <u>145</u> feet.	Fresh Water
No. 2, from <u>1576</u> to <u>1580</u> feet.	Sulphur Water
No. 3, from _____ to _____ feet.	_____
No. 4, from _____ to _____ feet.	_____

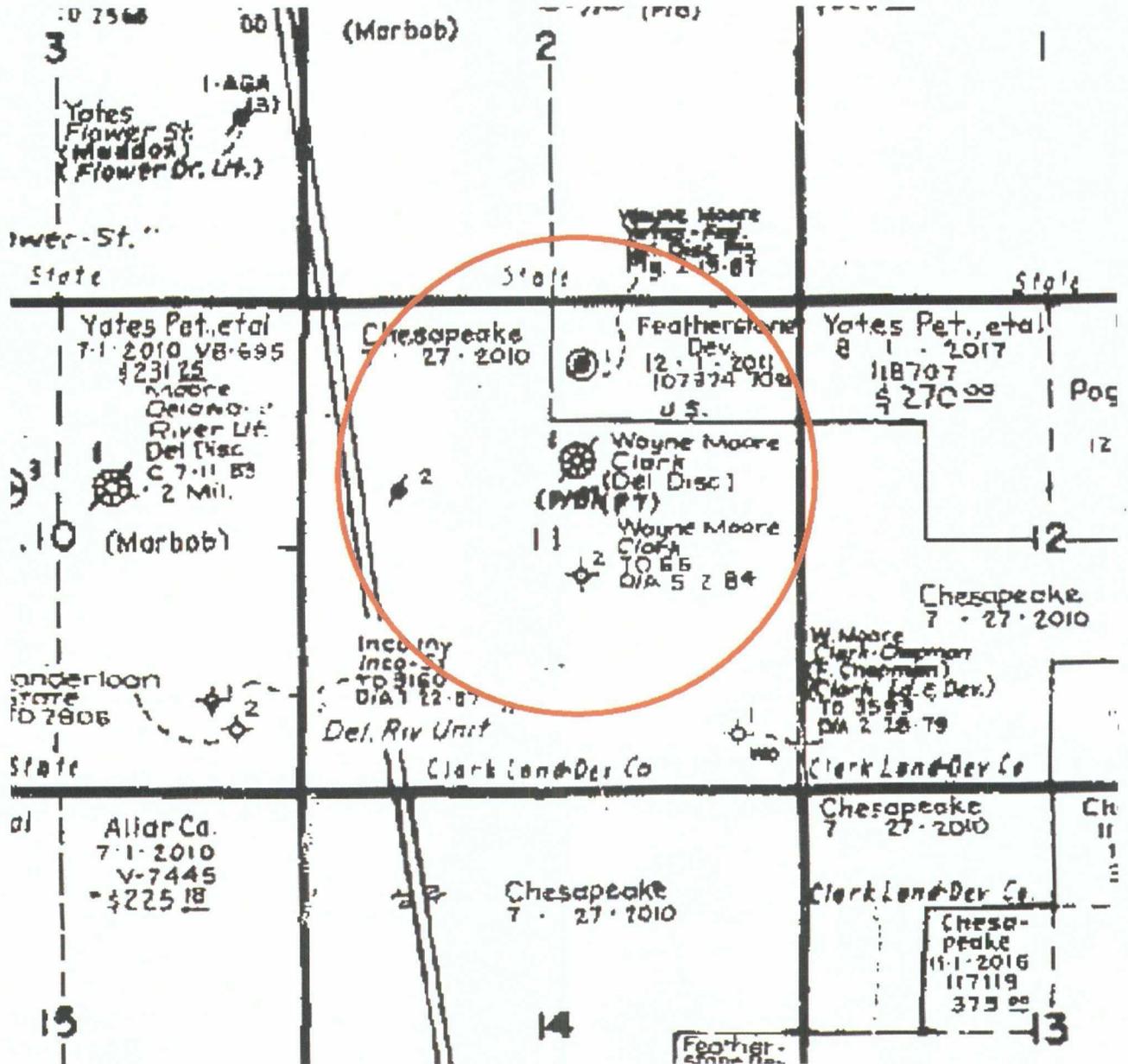
FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	25	25	Surface Gravel				
25	465	440	Shale & Sand				
465	570	105	Anhydrite				
570	1890	1320	Anhydrite & Shale				
1890	2045	155	Salt				
2045	2430	385	Salt & Anhydrite				
2430	2623	193	Anhydrite				
2623	2640	17	Black Lime				
2640	3125	485	Sand & Shale				
3125	3155	30	Sand & Chert				
3155	3593	438	Sand, Lime & Shale				

Clark SWD No. 1
1650' FNL & 2310' FEL
Sec. 11, T26S-R28E
Eddy County, NM

Enlarged View of AOR
Centered in Unit G Sec. 11, T26S-R28E
Eddy Co., NM

Item V(a):



Well Selection Criteria Quick Print

(WH_SEC = 11 and WH_TWPN = 26 and WH_TWPD Like 'S' and WH_RNGN = 28 and WH_RNGD Like 'E')

API Well #	Well Name and No.	Operator Name	Typ	Stat	County	Surf	UL	Sec	Twp	Rng	Ft N/S	Ft E/W	UICPrmt	Lst Insp Dt
30-015-24341-00-00	PRE-ONGARD WELL ✓	PRE-ONGARD WELL OPERATOR	O	P	Eddy	F	B	11	26 S	28 E	660 N	2310 E		
30-015-24784-00-00	DELAWARE RIVER UNIT ✓	WAYNE MOORE	O	P	Eddy	P	E	11	26 S	28 E	1980 N	990 W		9/28/1999
30-015-24305-00-00	CLARK ✓	WAYNE MOORE	O	P	Eddy	P	G	11	26 S	28 E	1650 N	2310 E	NSL-2075	9/28/1999
30-015-24807-00-00	PRE-ONGARD WELL	PRE-ONGARD WELL OPERATOR	O	C	Eddy	J	J	11	26 S	28 E	2310 S	2310 E		
30-015-22734-00-00	SRE-ONGARD WELL	PRE-ONGARD WELL OPERATOR	O	C	Eddy	P	TT	26 S	26 S	28 E	660 S	660 E		

Never Drilled

Drilled to 360' & Plugged in late 1970s

Clark SWD No. 1
 1650' FNL & 2310' FEL
 Sec. 11, T26S-R28E
 Eddy County, NM

Item VI: Data on wells in AOR.

All Known Wells in AOR

API	WELL NAME	STATUS	UNIT	SEC	TOWNS	RANGE	NS	EW	OPERATOR	LAND	SPUD DATE	PLUG DATE	ELEV-GL	TVD-DEPTH	Highest Perf
1 3001524341	Joseph Federal 1	P&A	B	11	26S	28E	660-N	2310-E	Wayne Moore	Fed	11/28/1982	2/19/1998	2975	4594	4110 ✓
2 3001524784	Delaware River Unit 2	P&A	E	11	26S	28E	1980-N	990-E	Wayne Moore	Fee	3/11/1984	10/27/1997	2972	4954	4467 ✓
3 3001524305	Clark 1	P&A	G	11	26S	28E	1650-N	2310-E	Wayne Moore	Fee	10/18/1982	8/29/1990	2953	5803	3072 ✓

Item VI(a): Construction of wells in the AOR:

- ✓ 1. 30-015-24341 Wayne Moore Joseph Federal 1, B-Sec. 11-T26S-R28E 8-5/8" @ 2556' w/1580 sxs circulated. 5-1/2" @ 4700" w/625 sxs TOC 2000' (temp surv). Perf (OA) 4110'-4432' P&A 235 sxs 4587'-2750', 70 sxs tagged @ 2490'. 15 sxs 120' to surface. 2/19/1988. ✓
- ✓ 2. 30-015-24784 Wayne Moore Delaware River Unit 2, E-Sec. 11-T26S-R28E 13-3/8" @ 401' w/425 sxs circulated. 8-5/8" @ 2459' w/200 sxs TOC N/R. 5-1/2" @ 4954 w/775 sxs TOC 2200'. Perfs 4467'-4482' and 4601'-4609'. P&A CIBP 4400' w/35 sxs. 25 sxs 2609'-2509' tagged. 45 sxs 2250'-2122' tagged. Pulled 2200' 5-1/2". 35 sxs 1750'-1650' tagged. Pulled 1014' 8-5/8". 60 sxs 1050'-942' tagged. 60 sxs 451'-330' tagged. 50 sxs 30' to surface. ✓
- ✓ 3. 30-015-24305 Wayne Moore Clark 1, G-Sec. 11-T26S-R28E 13-3/8" @ 424' w/450 sxs circulated. 8-5/8" @ 2525' w/200 sxs. TD 5803'. 4-1/2" 5130' w/1065 sxs TOC 1400'. Perf 5014'-5052'. CIBP 4970' + 50 sxs. Perf 4392'-4577' w/21 shots. Sqz w/100 sxs. Perf 4032'-4054' w/8 shots. Perf 3108'-3194' w/8 shots. Sqz w/100sxs. Perf 3072'-3082' w/6 shots. Perf 2692'-2794' w/12 shots. CIBP 2640' + 30 sxs. 25 sxs @ 1870'. Cut and pulled 1225' 4-1/2". 25 sxs @ 1287' tagged @ 1177'. Cut and pulled 1121' 8-5/8". 55 sxs @ 1188'. Tagged @ 1180'. 75 sxs @ 470' tagged @ 340'. 20 sxs at surface. **Target re-entry well.** ✓

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OPERATOR	1

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FEB 26 1979

O.C.C.

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	7. Unit Agreement Name
2. Name of Operator Ford Chapman & Associates	8. Farm or Lease Name Clark Land & Development Company
3. Address of Operator c/o Oil Reports & Gas Services, Inc., Box 763, Hobbs, NM 88240	9. Well No. 1
4. Location of Well UNIT LETTER P 660 FEET FROM THE South LINE AND 660 FEET FROM THE East LINE SECTION 11 TOWNSHIP 26 S RANGE 28 E N.M.P.M.	10. Field and Pool, or Wildcat Wildcat
15. Elevation (Show whether DF, RT, GR, etc.) 2949.5 GR	12. County Eddy

16. 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 checked="" type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPER. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOBS <input type="checkbox"/>	OTHER <input type="checkbox"/>

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

*Casing hole 10 3/4" - 306 - circ.
7" - 1596 to be pulled.*

Well to be plugged for abandonment as follows:

- 25 sacks at total depth, 3620
- 25 sacks 2500-2600 to cover top La Mar @ 2620
- 25 sacks 1750 to 1850 to isolate Salt section 1890 to 2430
- 35 sacks 1525 to 1625 to cover sulphur water seep at 1576
- 40 sacks 250 to 350 across casing shoe at 366
- 10 sacks at surface with regulation marker
- Mud between all plugs

*out of AOK
wells SE of subject well*

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

SIGNED *Harold H. ...* TITLE Agent DATE 2/24/79

APPROVED BY *W. A. Gussett* TITLE SUPERVISOR, DISTRICT II DATE FEB 27 1979

CONDITIONS OF APPROVAL, IF ANY:

Clark SWD No. 1
 1650' FNL & 2310' FEL
 Sec. 11, T26S-R28E
 Eddy County, NM

Plugging diagram of 30-015-24784.

PLUG AND ABANDON WELL DIAGRAM

API: 3001524784
 Operator: Wayne Moore
 Lease: Delaware River Unit
 Location: Sec 11, T26S-R28E Eddy Co., NM
 Footage: 1980 FNL, 990 FwL

Well No: 2

KB: 2984
 GL: 2972
 Spud date: March 11, 1984
 Plugged date: August 18, 1997
 MSL of TD: -1970

Surface Csg

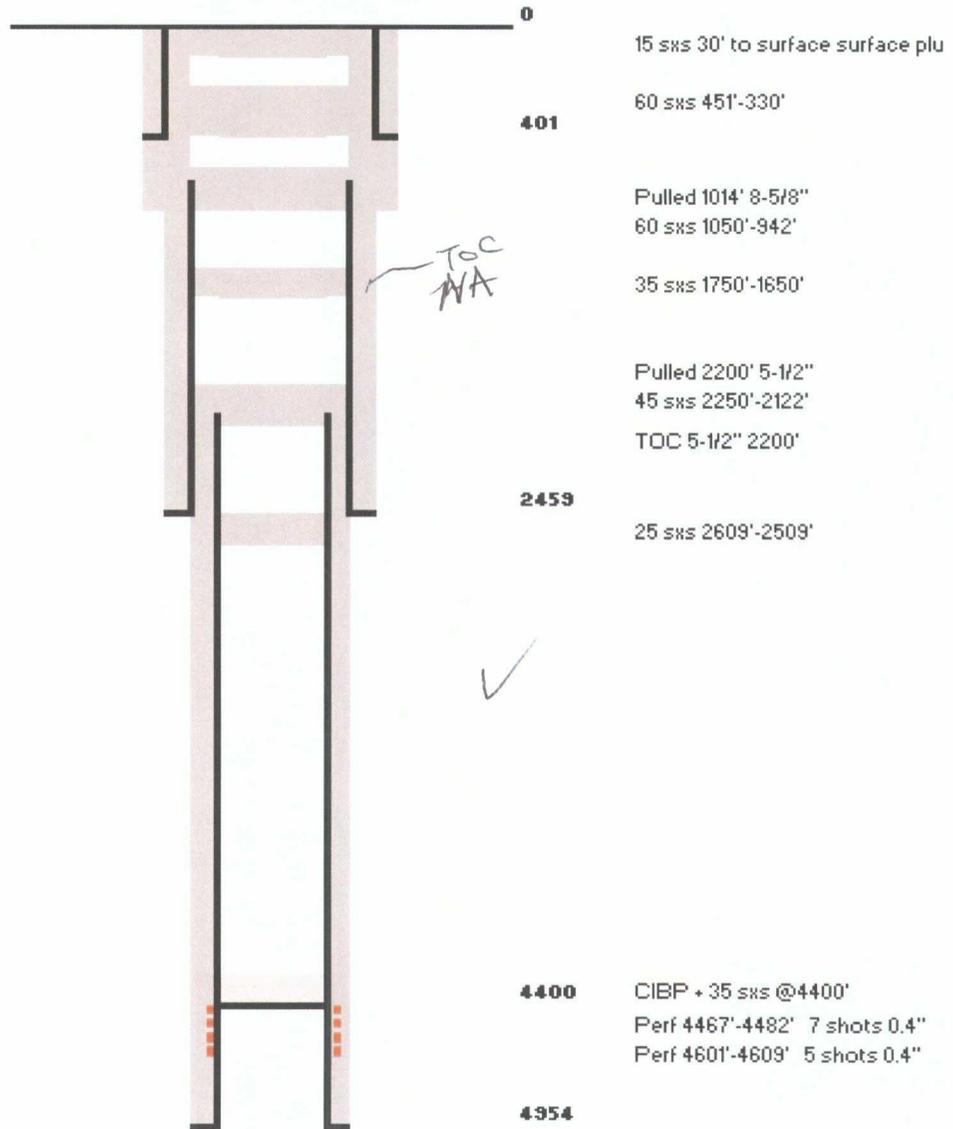
Size: 13-3/8"
 Set @: 401
 Sxs cmt: 425
 Circ: Yes
 TOC: Surface
 Hole Size: 17-1/2"

Intermediate Csg

Size: 8-5/8"
 Set @: 2459
 Sxs cmt: 200
 Circ: No
 TOC: NR
 Hole Size: 12-1/4"

Production Csg

Size: 5-1/2"
 Set @: 4954
 Sxs cmt: 775
 Circ: No
 TOC: 2200
 Hole Size: 7-5/8"



Not to Scale

Submit 3 Copies
to Appropriate
District Office

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-103
Revised 1-1-89

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

WELL API NO.
30015 24784

5. Indicate Type of Lease
STATE FEE

6. State Oil & Gas Lease No.
19990

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



7. Lease Name or Unit Agreement Name
Delaware River Unit

1. Type of Well:
OIL WELL GAS WELL OTHER

8. Well No. 2

2. Name of Operator
Wayne Moore

9. Pool name or Wildcat
Redbluff Delaware

3. Address of Operator
403 N. Marienfeld, Midland, Texas 79701

4. Well Location
Unit Letter E : 1980 Feet From The North Line and 990 Feet From The West Line
Section 11 Township 26S Range 28E NMPM Eddy County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)
2972' GL

11. 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 checked="" 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"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>		CASING TEST AND CEMENT JOB <input type="checkbox"/>	
OTHER: <input type="checkbox"/>		OTHER: <input type="checkbox"/>	

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

- A. Set CIBA @ 4500'.
- B. 35 sx cement on top CIBP.
- C. 25 sx cement 2609' to 2509'.
- D. 35 sx cement @ 5-1/2 casing stub (2200') and tag plug.
- E. 60 sx cement at 8-5/8 casing stub (800') and tag plug.
- F. 60 sx cement 451' to 351'. - Tag
- G. 10 sx cement at surface.
- H. Install dry hole marker.

Will commence plugging 7-15-97.

Notify N.M.O.C.C. in sufficient time to witness

Tags

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

SIGNATURE [Signature] TITLE Operations Manager DATE 7-1-97

TYPE OR PRINT NAME Tom E. Moore TELEPHONE NO. (915) 682869

(This space for State Use)

APPROVED BY B6A TITLE _____ DATE 7-8-97

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 30 through 34 shall be reported for each zone. The form is to be filed in quadruplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

Northwestern New Mexico

T. Anhy _____	T. Canyon _____	T. Ojo Alamo _____	T. Penn. "B" _____
T. Salt _____	T. Strawn _____	T. Kirtland-Fruitland _____	T. Penn. "C" _____
T. Salt _____	T. Atoka _____	T. Pictured Cliffs _____	T. Penn. "D" _____
T. Yates _____	T. Miss _____	T. Cliff House _____	T. Leadville _____
T. 7 Rivers _____	T. Devonian _____	T. Menefee _____	T. Madison _____
T. Queen _____	T. Silurian _____	T. Point Lookout _____	T. Elbert _____
T. Grayburg _____	T. Montoya _____	T. Mancos _____	T. McCracken _____
T. San Andres _____	T. Simpson _____	T. Gallup _____	T. Ignacio Qtzite _____
T. Glorieta _____	T. McKee _____	Base Greenhorn _____	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota _____	T. _____
T. Blinberry _____	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb _____	T. Granite _____	T. Todillo _____	T. _____
T. Drinkard _____	T. Delaware Sand _____	T. Entrada _____	T. _____
T. Abo _____	T. Bone Springs _____	T. Wingate _____	T. _____
T. Wolfcamp _____	T. _____	T. Chinle _____	T. _____
T. Penn. _____	T. _____	T. Permian _____	T. _____
T. Cisco (Bough C) _____	T. _____	T. Penn. "A" _____	T. _____

OIL OR GAS SANDS OR ZONES

No. 1, from _____	to _____	No. 4, from _____	to _____
No. 2, from _____	to _____	No. 5, from _____	to _____
No. 3, from _____	to _____	No. 6, from _____	to _____

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from _____	to _____	feet _____
No. 2, from _____	to _____	feet _____
No. 3, from _____	to _____	feet _____
No. 4, from _____	to _____	feet _____

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	614	614	Salado - Gyp				
614	1840	1226	Anhydrite				
1840	2010	170	Salt				
2010	2100	90	Anhydrite				
2100	2412	312	Salt				
2412	2600	188	Sand & Anhydrite				
2600	2642	42	Lime				
2642	4954	2312	Delaware				

*Delaware River #2
30-015-24784*

Clark SWD No. 1
 1650' FNL & 2310' FEL
 Sec. 11, T26S-R28E
 Eddy County, NM

Plugging diagram of 30-015-24341

PLUG AND ABANDON WELL DIAGRAM

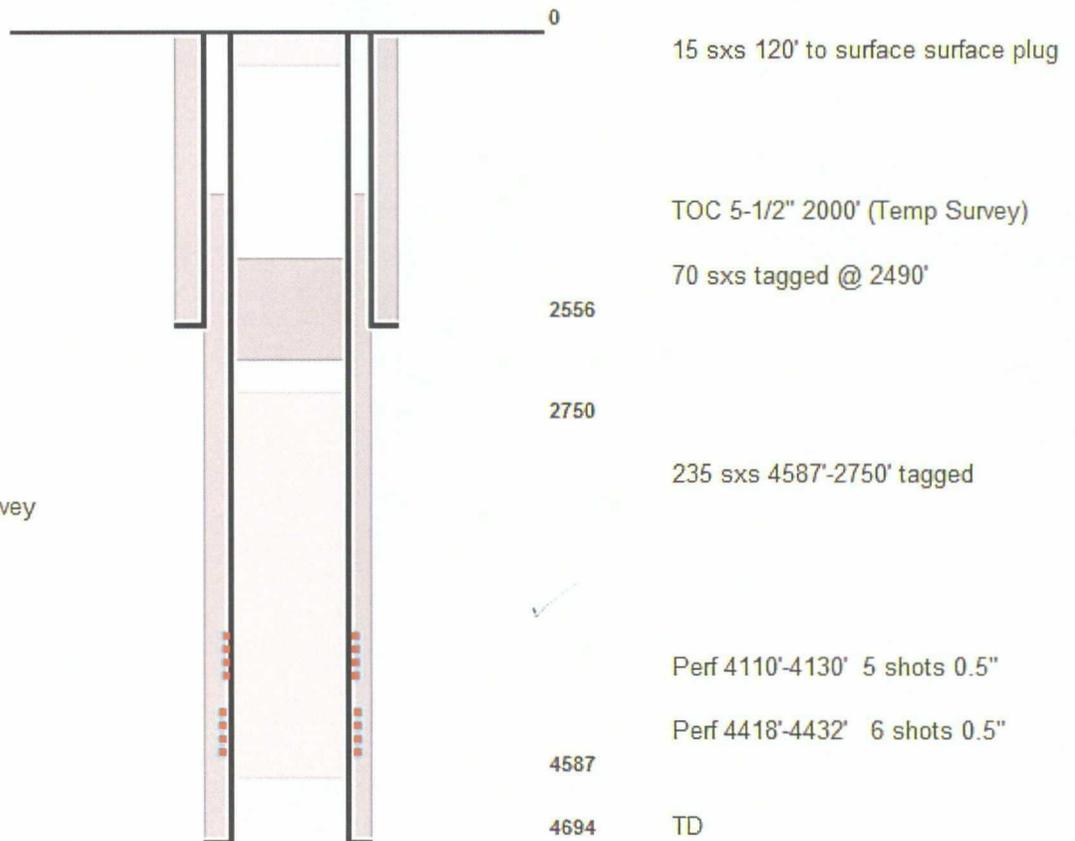
API:	3001524341	Well No:	1	KB:	2985
Operator:	Wayne Moore			GL:	2975
Lease:	Joseph Federal			Spud date:	November 28, 1982
Location:	Sec 11, T26S-R28E Eddy Co., NM			Plugged date:	February 19, 1988
Footage:	660 FNL, 2310 FEL			MSL of TD:	-1709

Intermediate Csg

Size: 8-5/8"
 Set @: 2556
 Sxs cmt: 1580
 Circ: Yes
 TOC: Surface
 Hole Size: 12-1/2"

Production Csg

Size: 5-1/2"
 Set @: 11781
 Sxs cmt: 625
 Circ: No
 TOC: 2000 temp survey
 Hole Size: 7-5/8"



Not to Scale

Clark SWD No. 1
1650' FNL & 2310' FEL
Sec. 11, T26S-R28E
Eddy County, NM

Legal Notice Publication

Affidavit of Publication

NO. 20945.

STATE OF NEW MEXICO

County of Eddy:

GARY D. SCOTT being duly

sworn, says: That he is the PUBLISHER of The

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

Legal Notice

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

day as follows:

First Publication December 9, 2009

Second Publication _____

Third Publication _____

Fourth Publication _____

Fifth Publication *Gary D. Scott*

Subscribed and sworn to before me this

9 Day December 2009



OFFICIAL SEAL
Jo Morgan
NOTARY PUBLIC-STATE OF NEW MEXICO

My commission expires: 6/6/12

Jo Morgan
Notary Public, Eddy County, New Mexico

Copy of Publication:

LEGAL NOTICE

Legal Notice
Mesquite SWD, Inc., c/o Kay Havenor, 200 W. 1st Street, Suite 747, Roswell, NM 88203, (575) 622-0283, is seeking approval from the New Mexico Oil Conservation Division to re-enter the Wayne Moore Clark No.1 well AP: 30-015-24305, located 1650 feet from the north line and 2310 feet from the east line of Section 11, T26S, R28E, Eddy County, N.M. and complete for commercial produced water disposal as the Mesquite SWD, Inc., Clark SWD #1.

The proposed disposal interval is the Delaware Mountain Group through perforations from 2644 feet to 5052 feet (over-all) and open-hole from 5130 feet to 5803 feet. Mesquite SWD, Inc. plans to dispose of a maximum of 20,000 BWPD with a maximum pressure of 1,475 psi. Parties with questions regarding this proposal can contact Kay Havenor at the address or phone number above. Interested parties must file objections or requests for hearing within 15 days to the Oil Conservation Division: 1220 S. St. Francis Dr., Santa Fe, NM 87505.

Published in the Artesia Daily Press, Artesia, N.M. December 9, 2009. Legal No. 20945

Clark SWD No. 1
1650' FNL & 2310' FEL
Sec. 11, T26S-R28E
Eddy County, NM

Item XIII:

Notification List

Bureau of Land Management
c/o Carlsbad Field Office
620 E. Greene Street
Carlsbad, NM 88220

For Mineral

Surface Owner:

Delaware Ranch, Inc.
706 W. Riverside Dr.
Carlsbad, NM 88220

Operators:

The Allar Company
P. O. Box 1567
Graham, TX 76450

Chesapeake Exploration, LLC
P. O. Box 18496
Oklahoma City, OK 73154

Featherstone Development Corp.
400 N. Pennsylvania Suite 850
Roswell, NM 88201

Yates Petroleum Corporation
105 S. 4th Street
Artesia, NM 88210

Clark SWD No. 1
 1650' FNL & 2310' FEL
 Sec. 11, T26S-R28E
 Eddy County, NM

Certified Mail Receipts

7009 1410 0001 2564 0280

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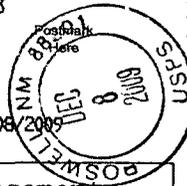
CARLSBAD NM 88220

OFFICIAL USE

Postage	\$ 1.39	0602
Certified Fee	\$ 2.80	03
Return Receipt Fee (Endorsement Required)	\$ 2.30	
Restricted Delivery Fee (Endorsement Required)	\$ 0.00	
Total Postage & Fees	\$ 6.49	12/08/2009

Sent To
 Bureau of Land Management
 Street, Apt. No., or PO Box No. 620 E. Greene St.
 City, State, ZIP+4 Carlsbad, NM 88220

PS Form 3800, August 2006 See Reverse for Instructions



7008 2810 0001 9039 5683

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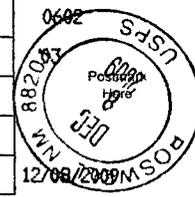
ROSWELL NM 88201

OFFICIAL USE

Postage	\$ 1.39	0602
Certified Fee	\$ 2.80	
Return Receipt Fee (Endorsement Required)	\$ 2.30	
Restricted Delivery Fee (Endorsement Required)	\$ 0.00	
Total Postage & Fees	\$ 6.49	12/08/2009

Sent To
 Featherstone Development Corp
 Street, Apt. No., or PO Box No. 400 N. Pennsylvania Ste 850
 City, State, ZIP+4 Roswell, NM 88201

PS Form 3800, August 2006 See Reverse for Instructions



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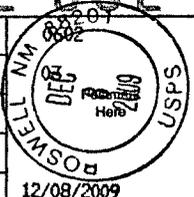
ARTESIA NM 88210

OFFICIAL USE

Postage	\$ 1.39	0602
Certified Fee	\$ 2.80	
Return Receipt Fee (Endorsement Required)	\$ 2.30	
Restricted Delivery Fee (Endorsement Required)	\$ 0.00	
Total Postage & Fees	\$ 6.49	12/08/2009

Sent To
 Yates Petroleum Corp.
 Street, Apt. No., or PO Box No. 105 S. 4th St.
 City, State, ZIP+4 Artesia, NM 88210

PS Form 3800, August 2006 See Reverse for Instructions



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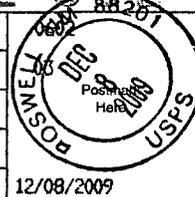
OKLAHOMA CITY OK 73154

OFFICIAL USE

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Return Receipt Fee (Endorsement Required)	\$ 2.30	
Restricted Delivery Fee (Endorsement Required)	\$ 0.00	
Total Postage & Fees	\$ 6.49	12/08/2009

Sent To
 Chesapeake Exploration, LLC
 Street, Apt. No., or PO Box No. P.O. Box 18496
 City, State, ZIP+4 Oklahoma City, OK 73154

PS Form 3800, August 2006 See Reverse for Instructions



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GRAHAM TX 76450

OFFICIAL USE

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Certified Fee	\$ 2.80	03
Return Receipt Fee (Endorsement Required)	\$ 2.30	
Restricted Delivery Fee (Endorsement Required)	\$ 0.00	
Total Postage & Fees	\$ 6.49	12/08/2009

Sent To
 The Allar Company
 Street, Apt. No., or PO Box No. P.O. Box 1567
 City, State, ZIP+4 Graham, TX 76450

PS Form 3800, August 2006 See Reverse for Instructions



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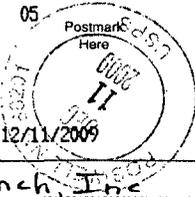
CARLSBAD NM 88220

OFFICIAL USE

Postage	\$ 1.39	0602
Certified Fee	\$ 2.80	05
Return Receipt Fee (Endorsement Required)	\$ 2.30	
Restricted Delivery Fee (Endorsement Required)	\$ 0.00	
Total Postage & Fees	\$ 6.49	12/11/2009

Sent To
 Delaware Ranch, Inc
 Street, Apt. No., or PO Box No. 706 W. Riverside Dr.
 City, State, ZIP+4 Carlsbad, NM 88220

PS Form 3800, August 2006 See Reverse for Instructions



Jones, William V., EMNRD

From: Jones, William V., EMNRD
Sent: Wednesday, December 16, 2009 5:52 PM
To: 'Kay Havenor'
Cc: Ezeanyim, Richard, EMNRD; Dade, Randy, EMNRD; Reeves, Jacqueta, EMNRD; Wesley_Ingram@blm.gov; Sanchez, Daniel J., EMNRD; Macquesten, Gail, EMNRD
Subject: Disposal application on behalf of Mesquite SWD, Inc. : Clark SWD #1 30-015-24305 Delaware Mountain Group

Hello Mr. Havenor:

Just reviewed this application and have a few items:

- a. Would you please send another Wellbore diagram of how the well will look after re-entry and conversion to injection. I could not tell if Mesquite plans to re-install pipe or not. The pipe size listed on the C-108 was 5-1/2, but the well file says they ran 4-1/2 inch. If you have also a workover program, that may help show what is planned.
- b. Please ask someone to capture a fresh water sample (and have it analyzed) from at least one fresh water source - in Section 2 to the north.
- c. Due to this very large disposal interval, mixing open hole and perforations, the resulting permit would require an injection profile with tracer and temperature log to be done along with a step rate test prior to any pressure increase beyond the beginning 528 psi maximum surface pressure.
- d. Your newspaper notice has a slightly differing top injection depth than the application – which is correct?
- e. I see where Wayne Moore had applied for a 160 acre, GAS completion in the Bell Canyon. Do you know why? Is there a possibility the Delaware in this area has a gas cap?
- f. Please list the most likely formations that would yield waste water for disposal into this commercial disposal well and the Pool names if you can locate them.

The biggest issue is that Mesquite SWD, Inc. has too many inactive wells according to OCD Rule 5.9. This means that no disposal or injection permits can be issued to Mesquite until this issue is resolved. Please pass this news on and suggest Mesquite contact Daniel Sanchez or Gail MacQuesten of this office to arrive at a plan with a schedule for reducing the number of inactive wells.

Despite all this,
Hope you have a nice holiday!

William V. Jones PE
New Mexico Oil Conservation Division
1220 South St. Francis
Santa Fe, NM 87505
505-476-3448

Jones, William V., EMNRD

From: Kay Havenor [khavenor@georesources.com]
Sent: Thursday, December 17, 2009 11:14 AM
To: Jones, William V., EMNRD
Subject: Re: Disposal application on behalf of Mesquite SWD, Inc. : Clark SWD #1 30-015-24305 Delaware Mountain Group
Attachments: Injection Well Data Sheet.pdf; 3001524305-Moore Reentry-G-11-24S-28E.pdf

Will,

Thank you for the detail.

re: a. Attached is a replacement for the Injection Well Data Sheet, which is page 3 of our package. It corrects the 5-1/2" casing notation with the correct 4-1/2" casing size.

Attached is a well Reentry and Completion Diagram that will replace the one on page 14 (unnumbered) of our C-108. This now shows tubing and packer location and better shows relative perf zones.

b. We will promptly address collection of water samples from Sec. 2 for analysis.

c. Those conditions are satisfactory.

d. The newspaper notice is the correct depth. ^{Per} That change is also on the attached Injection Well Data Sheet. ~~2644~~ ⁵⁸⁰³

e. The reason for a application for a gas proration unit is unknown. There are about 4 single one-foot density-neutron cross-overs (other than in high-clay zones) that indicate to me a lack of gas accumulations of any consequence. No drilling incidents in any of the wells drilled on this leasehold suggest any gas.

f. Delaware and Bone Springs are probably going the majority of water sources that will be handled. Bone Springs will be increasingly more important.

I will advise Clay Wilson to contact Mr. Sanchez or MacQuesten.

Have great Holiday's.

Kay

At 05:52 PM 12/16/2009, you wrote:

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Send Notice?

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New Mexico Oil Conservation Division
1220 South St. Francis
Santa Fe, NM 87505
505-476-3448

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Kay C. Havenor, Ph.D., PG. CPG
GeoScience Technologies
200 West First Street, Suite 747
Roswell, NM 88203-4678
(575) 622-0283

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Jones, William V., EMNRD

From: Bryan Arrant [bryan.arrant@chk.com]
Sent: Thursday, March 04, 2010 12:56 PM
To: Jones, William V., EMNRD
Cc: Rachel Friedman
Subject: FW: Mesquite SWD, Inc.'s SWD Application - Sec. 11-26S-28E, Eddy Co., NM

Will,
Please see comments from one of our geologist back in December below.
Her email is attached above and her phone # is 405-935-7996 if she can help in answering any questions.

Thank you,
Bryan Arrant
Senior Regulatory Compliance Specialist
Chesapeake Energy Corporation
6100 N. Western Avenue
Oklahoma City, OK 73118
Office: (405)-935-3782
Fax: (405) 849-3782
E-mail: Bryan.Arrant@chk.com

From: Rachel Friedman
Sent: Tuesday, December 15, 2009 4:00 PM
To: Justin Zerkle; David Godsey
Cc: Robert Martin; Jeff Finnell
Subject: RE: Mesquite SWD, Inc.'s SWD Application - Sec. 11-26S-28E, Eddy Co., NM

I've looked at this proposal, there is one Delaware and Bone Spring Producer a little over a mile away, the remaining wells in the 2 mile radius are plugged or inactive.
I don't see any reason to object. We could try to get disposal rights from them, like on the previous well since the well is on our lease hold.
Please let me know if you have any questions at all.
Thanks,

Rachel Friedman

*UNIT J of Sec II may be UPDIP
OF THE SUBJECT well - Chesapeake is
not interested in drilling...*

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Injection Permit Checklist (11/30/09)

Case SWD 1205 WFX PMX JPI Permit Date (T/F/M) UIC Qtr (T/F/M)
 # Wells 1 Well Name: Clark SWD #1 (was ~~Wayne Mark Clark #1~~)
 API Num: (30-) 015-24305 Spud Date: 10/18/82 New/Old: N (UIC primacy March 7, 1982)
 Footages 1650 FM/2310 FEL Unit G Sec 11 Tsp 265 Rge 28E County Eddy
 Operator: MESQUITE SWD, INC Contact Kay Havenor
 OGRID: 161968 RULE 5.9 Compliance (Wells) 3/14 (Finan Assur) X

Operator Address: P.O. Box 1479, Carlsbad, NM, 88221
 Location and Current Status: P 2 A, CUT @ 1225' 4 1/2" CUT @ 121' 5 1/2" 121'

Planned Work to Well: Re-enter Planned Tubing Size/Depth: 3 1/2 @ 2600'

	Sizes Hole.....Pipe	Setting Depths	Cement Sx or Cf	Cement Top and Determination Method
Existing <input checked="" type="checkbox"/> Surface	<u>12 1/2 13 1/2</u>	<u>424</u>	<u>450</u>	<u>CIRC</u>
Existing <input checked="" type="checkbox"/> Intermediate	<u>12 1/4 8 5/8</u>	<u>2525</u>	<u>200</u>	<u>2230</u>
Existing <input checked="" type="checkbox"/> Long String	<u>7 7/8 1 5/2</u>		<u>775</u>	<u>1400</u>

DV Tool _____ Liner _____ Open Hole in lower part Total Depth 5803

Well File Reviewed
 Diagrams: Before Conversion After Conversion Elogs in Imaging File: Yes

Intervals:	Depths	Formation	Producing (Yes/No)
Above (Name and Top)			
Above (Name and Top)			
Injection..... <u>2638' Parb</u>			
Interval TOP: <u>5052</u>		<u>Bell</u>	<u>NO</u>
Injection..... <u>5130</u>			
Interval BOTTOM: <u>5803 (Oh.)</u>		<u>Cherry/Burly</u>	<u>NO</u>
Below (Name and Top)			

Near State Line
Just NW of Red Bluff Reservoir.
528 PSI Max. WHIP
Open Hole (Y/N)
Deviated Hole?

Sensitive Areas: Capitan Reef Cliff House Salt Depths 650 - 2910'
 Potash Area (R-111-P) _____ Potash Lessee _____ Noticed? _____

Fresh Water: Depths: 0-120' Wells None Analysis? Yes Affirmative Statement

Disposal Fluid Sources: mostly Del/BS Analysis? _____

Disposal Interval Production Potential/Testing/Analysis Analysis: No Commercial Prod WITHIN 2 MILES

Notice: Newspaper (Y/N) _____ Surface Owner Fa Delam Ranch INC Mineral Owner(s) _____

RULE 26.7(A) Affected Parties: Fa Delam Ranch INC / Mesquite / Allen Co / Chapman / Wayne Mark / BLM / Faith

Area of Review: Adequate Map (Y/N) and Well List (Y/N)

Active Wells 0 Num Repairs _____ Producing in Injection Interval in AOR _____
 P&A Wells 2 Num Repairs _____ All Wellbore Diagrams Included?

Questions to be Answered: TOPS = ?
Reinstall Parb F CIRC CNT on 3 1/2"
Get FW analysis of NE/4 Sec 2 well
Run SRT with INT profile for more PSI

ask for new WBD = Plan of WORK

Required Work on This Well: is Del on lower part? Request Sent _____ Reply: _____
 AOR Repairs Needed: is Del on lower part? Request Sent _____ Reply: _____
 Request Sent _____ Reply: _____

2638
5276
1205
10/18/82

OK now