[TGW (TGW
DATE IN	4,27,174 SUSPEN	SE ENGINEER TW LOGGED IN 4,77,17 TYPE PMX APP NO/21/850572
239		ABOVE THIS LINE FOR DIVISION USE ONLY . 263 NEW MEXICO OIL CONSERVATION DIVISION - Engineering Bureau - 1220 South St. Francis Drive, Santa Fe, NM 87505 1220 South St. Francis Drive, Santa Fe, NM 87505 Park Kullet Mawkootlinet #5/9
		ADMINISTRATIVE APPLICATION CHECKLIST 30-015- 39878
TI Applic	HIS CHECKLIST IS M cation Acronym [NSL-Non-Sta [DHC-Dow [PC-Po	ANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE // #570 s: ndard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication] nhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling] _1/5-39879 pol Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement] 20
	[EOR-Qua	[WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion] [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase] Iffied Enhanced Oil Recovery Certification] [PPR-Positive Production Response]
[1]	TYPE OF AF [A]	'PLICATION - Check Those Which Apply for [A] 30-011 E Location - Spacing Unit - Simultaneous Dedication 30-011 E NSL NSP SD
	Check [B]	One Only for [B] or [C] Commingling - Storage - Measurement DHC CTB PLC PC OLS OLM V-35-195-29E
	[C]	Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
	[D]	Other: Specify
[2]	NOTIFICAT [A]	ION REQUIRED TO: - Check Those Which Apply, or Does Not Apply U 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 Landa, State Land Office
	[E]	For all of the above, Proof of Notification or Publication is Attached, and/or, 25%
	[F]	□ Waivers are Attached
[3]	SUBMIT AC	CURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE $\gamma \gamma'$ ation 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.

Regulatory Agent Title

<u>4-18-12</u> Date

ann.wtor@gmail.com E-Mail Address

Ann Ritchie

Print or Type Name

Affidavit of Publication	Copy of Publication:
NO. 22124	
STATE OF NEW MEXICO	SMEnergy Company c/o P.O. Box 953, Midland, Texas 79702, has filed a Form C-
County of Eddy	ing administrative approval to convert the following-described wells to water injection wells within the Parkway Delaware Unit Pressure Maintenance Project,
Danny Scott 1/anny /car	Parkway-Delaware Pool, Eddy County, New Mexico: Parkway Delaware Unit No. 519: (API No. 30-015-39878) 1980' FSL & 1380' FWL (Unit K) Section 35, Townshin 19, South, Panco 20, Fact, Islandin Law, 1990
being duly sworn, says that be is the Publisher	lected perforated intervals from 3,864'-4,338' (Cherry Canyon Unitized Interval) Parkway Delaware Unit No. 520: (API No. 30-015-39879) 2450' FNL & 1330' FWL
of the Artesia Daily Press, a daily newspaper of general	(Unit F) Section 35, Township 19 South, Range 29 East. Injection Interval: Se- lected perforated intervals from 3,864'-4,338' (Cherry Canyon Unitized Interval) Parkway Delaware Unit No. 521; (API No. 30,015,20880) 1420; ENILS 4,000 ENIL
circulation, published in English at Artesia, said county	(Unit F) Section 35, Township 19 South, Range 29 East. Injection Interval: Se- lected perforated intervals from 3.864-4,338 (Cherry Canyon Unitized Interval)
and state, and that the hereto attached	The average and maximum injection rates will be 500 and 1,500 barrels of water per day, respectively, and the average and maximum surface injection pressure is anticipated to be 773 psi and 1,280 psi, respectively.
Legal Notice	Interested parties must file objections with the New Mexico Oil Conservation Divi- sion, 1220 S. St Francis Drive, Santa Fe, New Mexico 87505, within 15 days of the
was published in a regular and entire issue of the said	Additional information can be obtained by contacting Ms* Ann Ritchie, Regulatory Agent: SM Energy Company at (432) 684-6381
Artesia Daily Press, a daily newspaper duly qualified	22124: 22
for that purpose within the meaning of Chapter 167 of	
the 1937 Session Laws of the state of New Mexico for	
1 Consecutive weeks/days on the same	
day as follows:	
First Publication April 25, 2012	
Second Publication	
Third Publication	
Fourth Publication	
Fifth Publication	
Subscribed and sworn to before me this	
25th day of April 2012	
OFFICIAL SEAL Latishe Romine NOTARY PUBLIC-STATE OF NEW MEXICO My commission expires 5/12/205	
Latisha Romine Notary Public, Eddy County, New Mexico	

Warnell, Terry G, EMNRD

Ann Ritchie [ann.wtor@gmail.com]
Monday, April 30, 2012 3:45 PM
Warnell, Terry G, EMNRD
SM Energy - PDU C108 Newspaper Notice
SM Energy PDU newspaper notice.pdf

Please see newpaper notice attached for the C108 filing we submitted to you last week, wells #519, 520 & 521. Thank you, Ann Ritchie

1

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West Texas Oil Reports "Since 1948" P.O. Box 953 Midland, TX 79702 432 684-6381 432 682-1458-fax Energy, Minerals and Natural Resources Department Oil Conservation Division 1220 South St. Francis Drive Santa Fe, New Mexico 87505

Attention: Ms. Jami Bailey, Division Director

Re: Form C-108 SM Energy Company Parkway Delaware Unit Wells No. 519, 520 & 521 Parkway-Delaware Pool (49625) Eddy County, New Mexico

Dear Ms. Bailey,

Enclosed please find a Division Form C-108 (Application for Authorization to Inject) to expand the Parkway Delaware Unit Pressure Maintenance Project. Division Order No. R-9822 dated January 6, 1993 approved secondary recovery operations within the Parkway Delaware Unit Area (approved by R-9821). SM Energy Company proposes to convert the Parkway Delaware Unit Wells No. 519, 520 & 521 to water injection wells in order to complete an efficient production/injection pattern within the Unit Area. These wells are located in Section 35, Township 19 South, Range 29 East, NMPM, Eddy County, New Mexico.

All the required information is enclosed. If additional information is needed, please contact me at (432) 684-6381.

Sincerely,

Ann Ritchie Agent for SM Energy Company P.O. Box 953 Midland, Texas 79702

Xc: OCD-Artesia

STATE OF NEW MEXICO ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

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

APPLICATION FOR AUTHORIZATION TO INJECT

I.	PURPOSE: Secondary Recovery X Pressure Maintenance Disposal Storage Application qualifies for administrative approval? X Yes No
II.	OPERATOR: SM Energy Company (OGRID-154903)
	ADDRESS: c/o P.O. Box 953 Midland, Texas 79702
	CONTACT PARTY: PHONE: (432) 684-6381
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? X Yes No $\mathcal{F}^{\gamma\gamma}$ If yes, give the Division order number authorizing the project: R-9822 dated 1/6/93. WFX-685; PMX-256, 257 & 258.
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:
	 Proposed average and maximum daily rate and volume of fluids to be injected; Whether the system is open or closed; Proposed average and maximum injection pressure; Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and, 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: <u>Ann Ritchie</u> <u>A</u> <u>Ann</u> <u>TITLE:</u> <u>Regulatory Agent</u>
	SIGNATURE: DATE:DATE:
*	E-MAIL ADDRESS: <u>ann.wtor@gmail.com</u> 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.

C-108 Application SM Energy Company Parkway Delaware Unit Wells No. 519, 520 & 521 Section 35, T-19S, R-29E, NMPM Eddy County, New Mexico

- I. The purpose of the application is to request approval to convert three (3) wells to water injection within the Parkway Delaware Unit Pressure Maintenance Project, Parkway-Delaware Pool, Eddy County, New Mexico, in order to complete an efficient injection/production pattern.
- II. SM Energy Company c/o Ann Ritchie-Agent P.O. Box 953 Midland, Texas 79702 Contact Party: Ms. Ann Ritchie (432) 684-6381
- III. Injection well data sheets and wellbore diagrams for each injection well are attached showing the proposed wellbore configurations. (Wells have not yet been drilled.)
- IV. This is an expansion of the Parkway Delaware Unit Pressure Maintenance Project. The initial pressure maintenance project within the Parkway Delaware Unit was approved by Division Order No. R-9822 issued in Case No. 10619 on 1/6/1993.
- V. Enclosed is a map that identifies all wells/leases within a 2-mile radius of the proposed injection wells and also shows the ½ mile "Area of Review" ("AOR").
- VI. Attached is the AOR well construction/plugging data for all wells within the AOR. An examination of AOR well data indicates that all wells are constructed and/or plugged in such a manner so as to confine the injected fluid to the proposed injection interval.
- VII. 1. The proposed water injection rate is 500 BWPD per well, and the proposed maximum injection rate is 1,500 BWPD per well. If the average or maximum rates increase in the future, the Division will be notified.
 - 2. This will be a closed system.



4. Produced water from the Parkway-Delaware Pool originating from wells within the Unit Area will be re-injected into the subject injection wells. A representative formation water analysis obtained from the Parkway Delaware Unit No. 702 is attached. This formation water analysis shows total dissolved solids to be approximately 40,779 mg/L. Also attached is a fresh water analysis obtained from the Osage Water Supply Well No. 8. This fresh water analysis was presented as evidence in Case No. 10619.

- 5. Injection is to occur into a formation that is oil productive.
- VIII. See attached geologic discussion submitted as evidence in Case No. 10619.
- IX. No stimulation is planned, however, should a stimulation treatment become necessary, then a mild 7 ½% NEFE HCL treatment with the appropriate additives will be used.

X. Logs will be filed subsequent to completion of drilling operations.

XI. Attached is a water analysis from Osage Water Supply Well No. 8.

XII. Affirmative statement is enclosed.

XIII. Proof of Notice is enclosed.

GEOLOGY

The Parkway (Delaware) Field produces oil and gas from the sandstones of the Permian age Delaware Mountain Group. In the Parkway Field, the major source area for the Delaware clastics was the Pedernal Massif to the northwest. Delaware sands accumulated on and behind the Capitan, Goat Seep and Getaway carbonate shelves during Guadalupian time. As the sand load increased to the point of being hydrologically and tectonically unstable, it moved as a gravity induced density flow through gaps in the reef, down the reef slope through channels and out into the Delaware Basin depocenter. Subsequently these clastics were reworked by deepwater longshore currents forming elongated sand bodies subparallel to the basin margin.

The Parkway (Delaware) Filed is a combination structuralstratigraphic trap of the upper portion of the Delaware Mountain Group clastics. The areal extent of the oil production portion of the Parkway anticlinal feature is slightly larger than one square mile. Stratigraphy plays an important role in the Parkway Field in that the Delaware sand interval is effectively divided by impermeable dolomitic shale barriers into three major reservoirs, the A, B, and C. The C reservoir is further subdivided by minor dolomitic shale barriers into the C1, C2, and C3. The C1, C2, and C3 reservoirs each have a distinct gas-oil contact. The crosssection is attached illustrating the subdivision of the Parkway (Delaware) field into the A, B, and C Sands.

The correlative well log tops for each of the Delaware A, B, and C sands were chosen by the Parkway Delaware Committee and independently verified by Michael G. Clemenson, Petroleum Geologist, retained by the Engineering Committee. A series of eight structural cross-sections through the Parkway Field were constructed to demonstrate the continuity and lateral thickness variations for each of the reservoirs, as well as to represent each interval where the wells had been perforated.

Delaware C Sand

The Delaware C Sand is a massive sand body with an overall average gross thickness of approximately 120 feet. The C Sand is the primary producing reservoir of the Parkway Field.

The top of the Delaware C Sand occurs at a subsea depth of -793 to -925 feet in the productive wells on the Parkway structure.

Page 2

2

Figure 7 is a structure map on top of the C Sand. Seventeen well have been perforated in the Delaware C Sand. As previously noted, the Delaware C interval is subdivided by impermeable dolomitic shale barriers into three separate reservoirs, the C1, C2, and C3.

The need to subdivide the C Sand was recognized by varying gas-oil contacts within wells completed in the C Sand. Evidence that the C1, C2, and C3 are stratigraphically separate reservoirs was based on analysis of neutron-density crossover "gas effect" and production test data provided by the operators. The field wide correlation of dolomitic shale beds within the massive C Sand further confirmed that the C Sand was actually comprised of three separate reservoirs, each with its own distinct gas-oil contact. The subsea depth of the gas-oil contacts for each of the reservoirs are as follow:

C1 - -808 feet C2 - -825 feet C3 - -850 feet

The average gross interval from top to base if each of the reservoirs is as follow:

C1 - 15 feet C2 - 36 feet C3 - 70 feet

Isopach maps are attached showing gross thickness for the C1, C2, and C3.

Net sand isolith and net pay isopach maps of each of the reservoirs were constructed using data from the results of the well-log analysis generated by Platt, Sparks and Associates, Inc. These net sand isolith maps of the Delaware C1, C2, and C3 are also attached. These maps were constructed using log analysis cutoff parameters of porosity greater than or equal to 16% and shale column less than 50%. The average net thickness for each of the reservoirs is as follows:

C1	-	6 1	teet
C2	-	18	feet
C3	-	43	feet

Net gas pay isopach maps of the Delaware C1, C2, and C3 are attached. The net gas pay thickness were determined using log analysis cutoff parameters of porosity greater than 16% shale volume less that 50%, and water saturation less than 55%. The thickness of the gas cap was then mapped for each reservoir using that interval above the subsea depth of the gas-oil contacts listed above for the respective reservoirs. Page 3

The average thickness of the net gas pay for each reservoir is as follows:

Net oil pay isopach maps for the C1, C2, and C3 reservoirs using log analysis cutoff parameters of porosity greater than 16%, shale column less than 50%, and water saturation less than 55% were constructed and are attached. The interval mapped is from the base of the gas cap (gas-oil contact) to the subsea depth where water saturation exceeds 55%. The average thickness of the net oil pay for each reservoir is as follows:

> C1 - 5 feet C2 - 16 feet C3 - 41 feet

Isopermeability maps for the C1, C2, and C3 reservoirs, using average permeability data generated by Platt, Sparks and Associates, Inc. were constructed and are presented.

<u>Delaware B Sand</u>

The top of the Delaware B Sand occurs at a subsea depth of approximately -655 to -831 feet in productive wells on the Parkway structure. The average gross thickness of the B Sand is 148 feet. The average net thickness of the B Sand using log analysis cutoff parameters of porosity greater than 15% and shale volume less than 50% os 85 feet. The Delaware B Sand has an average net pay thickness of 50 feet based on log analysis cutoff parameters of 15% porosity, shale volume less than 50%, and water saturations less than 55%. Figure 23 is a structure map on top of the B Sand. The B Sand is separated from the C Sand by 5 to 20 feet of dolomitic shale. Nine wells in the Parkway Field have been perforated in the B interval.

Delaware A Sand

The top of the Delaware A sand occurs at a subsea depth of approximately -590 to -700 feet in productive wells on the Parkway structure. The average gross thickness of the Delaware A Sand id 75 feet. The average net thickness of the A Sand using log analysis cutoff parameters of porosity greater than 15% and shale volume less than 50% is 50% is 40 feet. The Delaware A Sand has an average net pay thickness if 21 feet based on log analysis cutoff parameters of porosity greater than 15%, shale volume less than Page 4

50%, and water saturations less than 55%. The A Sand is separated from the B Sand by 5 to 17 feet of shale. Five wells in the Parkway Field have been perforated in the A Sand.

Fresh Water Zones

The Rustler Formation is an overlying fresh water zone that exists from 100-200; in depth. This zone has 767 ppm chlorides and total dissolved solids of 3481 ppm. See the attached Martin Water Lab analysis on 2/12/92. There are no underlying fresh water zones in this area.

PERATOR: SM Et	nergy Company				
ELL NAME & NUMBER	Parkway Delaware Unit No	. 519 (API No. 30-015-39878)		·	
/ELL LOCATION:	1980' FSL & 1380' FWL	K	35	19 South	<u>29 East</u>
Ť	FOOTAGE LOCATION	UNIT LETTER	SECTION	TOWNSHIP	RANGE
<u>WELLBORE</u>	<u>SCHEMATIC</u>	<u>WELL CONS</u>	Surface Cos	ATA (PROPOSED	22
See Attached Wellbore Schematic		Hole Size: 24"	<u></u> (Casing Size: 20" (<u>@,275'</u>
		Cemented with:	<u>633 Sx.</u> c	or	ft ³
		Top of Cement:	Surface N	Method Determined	l: Circulate
			Intermediate	Casing	(o)) (o)
		Hole Size: $17 \frac{17}{2}$		Casing Size: <u>13 3</u>	/8" (<i>a</i>) 1,500
		Cemented with:	<u>1052 Sx.</u>)r	ft ³
		Top of Cement:	Surface N	Method Determined	l: <u>Circulate</u>
		Hole Size:11"	Intermediate	<u>Casing</u> Casing Size: <u>85/8"</u>	<u>@ 3,200'</u> .
		Cemented with: <u>894</u>	<u>Sx.</u> c	or	ft ³ .
		Top of Cement: <u>Surfa</u>	<u>ce</u> N	Method Determined	l: <u>Circulate</u>
		Uale Size , 77/9"	Production C	Casing	@ 4 500'
Total Depth:	4,500' 864'-4,338'	Cemented with: _255	<u></u> 0	or	ft ³
(Cher	ry Canyon Unitized Interval)	Top of Cement:	3,000'N	Aethod Determined:	Calculate

Tubing	g Size: 2 3/8"	Lining Material:	Internally Plastic Coated				
Туре с	of Packer:Lok-Set Packer						
Packer	Setting Depth: <u>3,764' or within 100' of the</u>	e uppermost injection pe	erforations				
Other '	Type of Tubing/Casing Seal (if applicable):	None					
	Additio	nal Data					
1.	Is this a new well drilled for injection:	X	_YesNo				
	If no, for what purpose was the well originally drilled:						
2.	Name of the Injection Formation: Dela	ware (Cherry Canyon)					
3.	Name of Field or Pool (if applicable): <u>Parkway-</u>	Delaware Pool (49625)					
4.	Has the well ever been perforated in any other zon i.e. sacks of cement or plug(s) used.	ne(s)? List all such perf	corated intervals and give plugging detail,				
	None						
5.	Give the name and depths of any oil or gas zones in this area:	underlying or overlying	, the proposed injection zone				

Parkway-Yates Pool (49642)

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RATOR: SM Energy	y Company				·
LL NAME & NUMBER:	Parkway Delaware Unit No. 520	(API No. 30-015-39879))		
LL LOCATION: 245	50' FNL & 1330' FWL	F	35	19 South	29 East
FO	OTAGE LOCATION	UNIT LETTER	SECTION	TOWNSHIP	RANGE
<u>WELLBORE SCI</u>	<u>HEMATIC</u>	WELL CON	Surface C	<u>DATA (PROPOSED</u>	<u>)</u>
See Attached Wellbore Schematic		Hole Size: 24"		Casing Size: 20" (<u>a, 225'</u>
		Cemented with:	633 Sx	or	ft ³
		Top of Cement:	Surface	Method Determined	l: Circulate
			Intermedia	te Casing	/02: 0 1 500
		Hole Size: $1/\frac{1}{2}$	<u> </u>	Casing Size: 13 3/	<u>(8" (a)</u> 1,500
		Cemented with:	1052 Sx.	or	ft ³
		Top of Cement:	Surface	Method Determined	l: Circulate
		Hole Size: <u>11"</u>	Intermediat	<u>e Casing</u> Casing Size: <u>8 5/8"</u>	@ 3,200'
		Cemented with: <u>894</u>	Sx.	or	ft ³
		Top of Cement: <u>Surfa</u>	ace	Method Determined	l: <u>Circulate</u>
			Production	Casing	○ 4 €002
Total Depth: 4.5	00'	Hole Size: $\frac{778}{8}$		Casing Size: <u>5 1/2</u> "	(a) 4,500 ²
Injection Interval: <u>3.8</u> (Cherry	64'-4,338' Canyon Unitized Interval)	Cemented with: <u>255</u>	Sx.	or	ft ³
		Top of Cement: 3,000)'	Method Determined	I: <u>Calculate</u>

~

Tubing	g Size: 2 3/8"		Lining Material:	Internally Plastic C	oated
Туре с	of Packer:	Lok-Set Packer			
Packer	Setting Depth:	3,764' or within 100' of	the uppermost injection	perforations	
Other	Type of Tubing/Casing	g Seal (if applicable):	None		
		Add	itional Data		
1.	Is this a new well dri	lled for injection:	X	Yes	No
	If no, for what purpos	se was the well originally	drilled:		
2.	Name of the Injection	n Formation:D	elaware (Cherry Canyon))	
3.	Name of Field or Poo	ol (if applicable): <u>Parkwa</u>	ay-Delaware Pool (49625)	
4.	Has the well ever bee i.e. sacks of cement of	en perforated in any other or plug(s) used.	zone(s)? List all such pe	rforated intervals and	give plugging detail,
	None	- <u></u>			
5.	Give the name and de in this area:	epths of any oil or gas zor	nes underlying or overlyin	ng the proposed injecti	on zone

Parkway-Yates Pool (49642)



RATOR: SM En	ergy Company	,			
L NAME & NUMBER:	Parkway Delaware Unit No. 521	(API No. 30-015-39880)			
L LOCATION:	1420' FNL & 1330' FWL	F	35	19 South	<u>29 East</u>
	FOOTAGE LOCATION	UNIT LETTER	SECTION	TOWNSHIP	RANG
<u>WELLBORE</u>	<u>SCHEMATIC</u>	WELL CONST	RUCTION	DATA (PROPOSED	22
See Attached Wellbore Schematic		Hole Size: 26"	<u>Surface Ca</u>	Casing Size: 20" (<u>@ 200'</u>
		Cemented with: 59	<u>90 Sx.</u>	or	ft [*]
		Top of Cement: <u>S</u>	urface	Method Determined	l: Circulate
			Intermediat	te Casing	(on o t co
		Hole Size: $1/\frac{1}{2}$	······································	Casing Size: 13.3	<u>/8'' (a) 1,50</u>
		Cemented with: 12	<u>250 Sx.</u>	or	ft ²
		Top of Cement: S	urface	Method Determined	l: <u>Circulate</u>
		Hole Size: <u>11"</u>	Intermediate	<u>e Casing</u> Casing Size: <u>8 5/8"</u>	<u>@ 3,200'</u>
		Cemented with: <u>1425</u>	<u>Sx.</u>	or	ft
		Top of Cement: <u>Surface</u>	e	Method Determined	l: <u>Circula</u>
			Production	Casing	Q 4 5003
Total Depth:	4,500'	Hole Size: / //8"		Casing Size: $5 \frac{1}{2}$	<u>(a), 4,300'</u>
Injection Interval: (Ch	3,864'-4,338' herry Canyon Unitized Interval)	Cemented with: <u>415 S</u>	<u>x.</u>	or	ft
		Top of Cement: 3,000'		Method Determined	I: <u>Calcul</u> e

Tubin	g Size: 2 3/8"	Lining Material:	Internally Plastic Coated
Туре	of Packer: Lok-Set Packer		
Packe	r Setting Depth: <u>3,764' or within 100' of th</u>	ne uppermost injection	perforations
Other	Type of Tubing/Casing Seal (if applicable):	None	
	Additi	onal Data	
1.	Is this a new well drilled for injection:	X	YesNo
	If no, for what purpose was the well originally d	rilled:	
2.	Name of the Injection Formation: Del	aware (Cherry Canyon))
3.	Name of Field or Pool (if applicable): <u>Parkway</u>	-Delaware Pool (49625)
4.	Has the well ever been perforated in any other ze i.e. sacks of cement or plug(s) used.	one(s)? List all such pe	rforated intervals and give plugging detail,
	None		~
5.	Give the name and depths of any oil or gas zone in this area:	s underlying or overlyir	ng the proposed injection zone

Parkway-Yates Pool (49642)



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April 18, 2012

<u>CERTIFIED MAIL</u> <u>RETURN RECEIPT REQUESTED</u>

TO: Offset Operators/Lessees & Surface Owners (See Attached List)

Re: SM Energy Company Form C-108 (Application for Authorization to Inject) Parkway Delaware Unit Wells No. 519, 520 & 521 Section 35, T-19 South, R-29 East, NMPM, Eddy County, New Mexico

Dear Sir:

Enclosed please find a copy of Oil Conservation Division Form C-108 (Application for Authorization to Inject) for the SM Energy Company's Parkway Delaware Unit Wells No. 519, 520 & 521 located in Section 35, T-19 South, R-29 East, NMPM, Eddy County, New Mexico. You are being provided a copy of the application as either the surface owner of the land on which the proposed injection wells are located, or as an offset operator/lease owner. In accordance with the provisions of Division Order No. R-9822, SM Energy Company proposes to inject water into the Delaware formation within the Parkway Delaware Unit Wells No. 519, 520 & 521 in order to complete an efficient injection/production pattern within the Parkway Delaware Unit Pressure Maintenance Project.

Objections must be filed with the Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, New Mexico 87505, within 15 days.

If you should have any questions, please contact me at (432) 684-6381

Sincerely,

Ann Ritchie Agent for SM Energy Company P.O. Box 953 Midland, Texas 79702

Enclosure

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SM Energy Company

Parkway Delaware Unit Wells No. 519, 520 & 521 Expansion of Existing Injection Project, Form C-108

Operators within one half mile radius:

CAMTERRA RESOURCES, INC.	PO BOX 2069		MARSHALL	тх	75671
CHESAPEAKE OPERATING, INC.	ATTN CHRISTIAN COMBS	PO BOX 18496	OKLAHOMA CITY	ок	73154
DEVON ENERGY PRODUCTION CO, L.P.	20 NORTH BROADWAY SUITE 1500		OKLAHOMA CITY	ок	73102
MEWBOURNE OIL COMPANY	BOX 7698		TYLER	тх	75711

Copy of the OCD Form C-108 Data Sheet & Map has been sent by certified mail to the above parties on April 25, 2012.

Ann E. Ritchie, Regulatory Agent

Und tatehi

SM Energy Company 3300 N. "A" St, Bldg 7, Suite 200 Midland, TX 79705



	U.S. Postal So CERTIFIED (Domestic Mail Or	ervice TAN) MAIL TA RECEIPT nly; No Insurance Coverage Provided)	_
	For delivery informa	ation visit our website at www.usps.com	
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-	City, State, ZIP	ler. TX 75711	
	PS Form 3800, August	2006 See Reverse for Instructions	

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SM ENERGY COMPANY AREA OF REVIEW WELL DATA PARKWAY DELAWARE UNIT WELLS NO. 519, 520 & 521 (Page 1)

	OPERATOR	LEASE NAME	WELL NO.	WELL	STATUS	FTG. N/S	N/S	FTG. E/W	E/W	UNIT	SEC.	TSHP.	RNG.	DATE	TOTAL DEPTH	HOLE	CSG. SIZE	SET AT	SX. CMT.	CMT. TOP	MTD.	HOLE SIZE	CSG. SIZE	SET AT	SX. CMT.	CMT. TOP	MTD.	COMPLETION	REMARKS
30-015-03618	Linehan & Stoltenberg	Getty Federal	1	Р	PA_	1980	s	660'	w	Ĺ	35	19S	29E	May-60	1,605'	Unk.	10 3/4"	169'	N/A	N/A	N/A	Unk.	8 5/8" ·	264'	N/A	N/A	N/A		Well PA'd 5/60.' Schematic Attached
30-015-03619		Federal Walter 35	1		PA	660'	N	660'	Ŵ	D	35	195	29E	Nov-55	6.010	13 3/4"	11 3/4"	153	150	Surface	Calc	Unk.	7"	435'	50 250	152	File		Well PA'd 1956: Schematic Attached
	01100/12				·,^ .					<u>.</u>		130	202	100-55	0,010	10 014		100		Junaoo	Galo.	7 7/8"	5 1/2"	4,700'	225	3,500	Calc. Calc.		Estimated Hole Sizes
30-015-25960	SM Energy Company	PDU	501	P	Active	1980	<u>' s</u>	1980'	Ε	·J	35	195	29E	Jul-88	5,910'	17 1/2"	13 3/8"	353	150	Surface	Circ.	12 1/4" 7 7/8"	8 5/8" 5 1/2"	3,193'	2,860	Surface 2.190' *	Circ. * CBL	3,915'-4,260' Perf.	* Perf 5 1/2" csg @ 2170' & squeeze cmt. w/420 sx * Circ via 1" tubing
30-015-25984	SM Energy Company	PDU	502	Ρ	Active	1980	' S	1980'	w	К	35	19S	29E	Oct-88	5,000	17 1/2"	13 3/8"	363	540	Surface	Circ.	7 7/8"	5 1/2"	4,993'	1500	Surface	Circ.	4,028-4,187' Perf.	5 1/2" csg. stage cemented.
30-015-25985	SM Energy Company	PDU	401	Ρ	Active	1980	' N	1980'	Ŵ	F	35	19S	29E	Sep-88	5,800	17 1/2"	13 3/8"	357	665	Surface	Circ.	7 7/8"	5 1/2"	5,795	2915	Surface	Circ.	4,146'-4,220' Perf.	5 1/2" csg. stage cemented. DV-2,987
30-015-26005	SM Energy Company	PDU	301	P	Active	1980	r N	1980'	E	G	35	.19S	29E	Nov-88	5,000	17 1/2"	13 3/8"	365	500	Surface	Circ.	12 1/4"	8 5/8"	3,201'	1840	Surface	Circ. *	3,918'-4,211' Perf.	* Circ. via 1" tubing:
								_									· · ·					7 7/8"	5 1/2"	5,000'	350	3,155	Calc.		
30-015-26006	SM Energy Company	PDU	302	<u>₽</u>	Active_	2230	r <u>N</u>	760'		E	35	19S	29E	Nov-88	5,000	17 1/2"	13 3/8"	363	700	Surface	Circ.	12 1/4"	8 5/8"	3,202'	1840	Surface	Circ. *	4,024'-4,294' Perf.	* Circ. via 1" tubing.
30 015 26007	SM Enorgy Company	PDU	502		Active	660	6	1010	-	~	25	100	205	Nov 99	5 000'	17 1/0"	43 2/0"	260	750	Surface	Circut	17/18	0 1/2 0 5/0"	5,000	450	2,700	Calc.	1 001 4 200 Dorf	* Circ via 1" tribing
30-015-26007	Sivi Energy Company	PD0	503	<u>۳</u>	Acuve	000	1-3	1910	┝╼╴┤		- 35	192	79E	1107-00	5,000	17 112	13 3/6	360	750	Sunace		7 7/8"	5 1/2"	5000'	400	2 968'	Calc	4,201-4,320 Pen.	
30-015-26028	SM Energy Company	PDU	504	P	Active	660'	s	1980'	w	N	35	19S	29E	Dec-88	5 000'	17 1/2"	13 3/8"	381	400	Surface	Circ.	12 1/4"	8 5/8"	3 200'	1405	Surface	Circ. *	4 198'-4 208' Perf	* Circ. via 1" tubing
	1			- · · ·	1.00.10	1.000	1-	1000	<u> </u>				202		0,000	7 7/8"	5 1/2"	5,000	420	2,885	Calc.	<u> </u>	4"	4,328	120	Surface	Circ.	4,100 4,200 1 0/1	
30-015-26029	SM Energy Company	PDU	505	Р	Active	1980	' S	760'	W.	L	35	19S	29E	Nov-88	5,000'	26"	20"	172	200	Surface	Circ.	17 1/2"	13 3/8"	364'	500	Surface	Circ.	4,020'-4,272' Perf.	* Circ. via 1" tubing.
						Τ								•		12 1/4"	8 5/8"	3,200	2140	Surface	Circ.*	7 7/8"	5 1/2"	5,000'	450	2,772'	Calc.		-
30-015-26030	Siete Oil & Gas Corp.	Osage Federal	6	P	ND	990'	S	660	W	D	35	19S	29E	Never	Drilled	L													
30-015-26050	Siete Oil & Gas Corp.	Renegade Federal	4	P	ND	1980	N	2094'	Ŵ	F	35	195	29E	Never	Drilled														F .
30-015-26051	SM Energy Company	Osage Federal	7	P	PA	1980	' S	2080'	W	К	35	_19S	29E	Jan-89	1,705'	12 1/4"	13 3/8"	350	400	Surface	Circ.	7 7/8"	5 1/2"	1,700'	810	Surface	Circ.*	1,434'-1,449' Perf.	Yates Completion. Well PA'd 5/08
30-015-26063	SM Energy Company	PDU	201	<u> </u>	Active	990'	N	2310'	W	C	35	_19S	29E	Apr-89	4,550	17 1/2"	13 3/8"	372	725	Surface	Circ.*	12 1/4"	8 5/8"	3,200	2,700	Surface	Circ. *	3,949-4,264' Perf.	* Circ. via 1" tubing.
				<u> </u>				1000		_		-	-									7 7/8"	5 1/2"	4,550	540	2,100	T.S.		
30-015-26083	SM Energy Company	900	202	<u>۳</u>	Active	990		1980		в	35	_195	29E	Apr-89	4,550	<u>17.172"</u>	13 3/8"	365	4/8	Surrace	Circ.*	7 7/8"	8 5/8" 5 1/2"	4,550	500	2,255'	Circ. * Calc.	3,955'-4,229' Pert.	* Circ. via 1" tubing.
30-015-26143	SM Energy Company	PDU	204	P	Active	990'	N	940'	W	D	35	19S	29E	Jul-89	4,550'	17 1/2"	13 3/8"	353	425	Surface	Circ.*	12 1/4"	8 5/8"	3,200	4145	Surface	Circ.	3,984'-4,028' Perf.	* Circ. via 1" tubing.
		-																				7 7/8"	5 1/2"	4,550	425	1,956	CBL		
30-015-26291	Southland Royalty Co.	Apache "A" Fed	5	P	PA	890'	N	840'	W	D	35	19S	29E	Feb-90	1,540'	17 1/2"	13 3/8"	220	350	20'	T.S.	11"	8 5/8"	1,470'	750	Surface	Well File		Well PA'd 1/91. Schematic Attached
30-015-27445	SM Energy Company	PDU	303		Active	1420	r N	2500'	W	F	35	19S	29E	May-93	4,800'	26"	20"	258'	828	Surface	Circ. *	17 1/2"	13 3/8"	1,180'	950	Surface	Circ. *	4,138'-4,247' Perf.	* Circ. via 1" tubing.
	0.1.5			<u> </u>		0007		00.40				100	005		1 7 7 7 7	12 1/4"	8 5/8"	3,200	1615	Surface	Circ. *	7 7/8"	5 1/2"	4,800	485	Surface	Circ.		5 1/2" csg. stage cmt. DV-2,991'
30-015-27464	SM Energy Company		506	<u> </u>	Active	2635		2640	-E-	,		195	29E	Jun-93	1 4,750	26"	20"	350	325	Surface	Circ.	1/ 1/2"	5 1/2"	1,185	315	Surface	Circ.	3,930-4,203 Perf.	* Circ. via 1" tubing.
30-015-28136	Siete Oil & Gas Com	PDU	809		ND	2630	s	1485	E	ł	35	105	20F	Novar	Drilled	12 1/4	0.0/0	0,200	303	Julace	0.00		5 1/2	4,750	025	Juilade			5 1/2 CSg. Stage Cilit. DV-2,557
30-015-33714	SM Energy Company	PDU	513	<u> </u>	Active	1700	s	2630			35	105	20E	Mar-05	A 718'	17 1/2"	13 3/8"	403	450	Surface	Circ	12 1/4"	Q 5/8"	1 535	480	Surface	Circ	3 940'-4 235' Perf	
00-010-00/14	_ow_chergy company			<u> </u>		1700	<u>+</u>	2000	-		<u>~~</u>	100	200	Mai-00		8 1/2"	7"	3.195	195	1.894	Calc	6 1/2"	4 1/2"	4,600	250	Surface	Circ.	0,040 4,200 1 617.	
30-015-33997	SM Energy Company	PDU ·	307Y	P	Active	1500) · N	2060	E	G	35	19S	29E	Apr-05	4,600'	17 1/2"	13 3/8"	415	350	Surface	Circ.	12 1/4"	9 5/8"	1,500	480	Surface	Circ.	3,952'-4,422' Perf.	*7" casing cemented w/147 bbls Class C
Original wellbor	re lost at a depth of 2,230'	and was PA'd. Well	No. 307	Y was	drilled as	replace	emen	well:								8 1/2"	7"	3,220	147 *	Surface	Circ.	6 1/2"	4 1/2"	4,600	350	2,219	Calc.		
30-015-33998	SM Energy Company	, PDU	512Y	P	Active	2615	S	1945	Ŵ	К	35	19S	29E	Apr-05	4,600'	17 1/2"	13 3/8"	398	345	Surface	Circ	12 1/4"	9 5/8"	1,528	500	Surface	Circ.	3,962'-4,190' Perf.	
				•									· ·			8 1/2"	7"	3,221	525	394'	Calc.	6 1/2"	4 1/2"	4,585	300	2,577'	Calc.		
30-015-34121	SM Energy Company	PDU	207		Active	995'	N	1461	E	. В	· 35	195	29E	May-05	4,590'	17 1/2"	13 3/8"	394	500	Suface	Circ.*	12 1/4"	9 5/8"	1,488'	550	Surface	Circ	3,991'-4,218' Perf.	* Circ. via 1" tubing.
30-015-34128	SM Fnerry Company	PDU	206		Active	1	" N	2452	F	B	35	195	29F	Oct-05	4 600'	17 1/2"	13 3/8"	398	790	Surface	Circ *	12 1/4"	9.5/8"	1,505'	480	Surface	Circ	3 950'-4 214' Perf	* Circ. via 1" tubing
00 010 01120	Chil Efforgy Company		1 200		1 /100/00	1000		LTUL	-	~~						8 1/2"	7"	3,214	460	Surface	Circ.	6 1/2"	4 1/2"	4,595'	300	Surface	·Circ.	0,000 4,214 1011	
30-015-34129	SM Energy Company	PDU	402	P	Active	1437	" N	1986'	w	F	35	19S	29É	Jun-05	4,600'	17 1/2"	13 3/8"	422	620	Surface	Circ.*	12 1/4"	9 5/8"	1,500'	480	Surface	Circ.	3,962'-4,210' Perf.	* Circ. via 1" tubing.
			1.													8 1/2"	7"	3,230	215	1,664	Calc.	6 1/2"	4 1/2"	4,595'	260	2,745	Calc.		
30-015-34130	SM Energy Company	PDU	514	P	Active	1210	"S	2065	E	0	35	19S	29E	Nov-05	4,607'	17 1/2"	13 3/8"	397	700	Suface	Circ.*	12 1/4"	9 5/8"	1,516'	480	Surface	Circ.	3,970'-4,232' Perf.	* Circ. via 1" tubing.
				·											l	8 1/2"	7"	3,198	460	574	Calc.	6 1/2"	4 1/2"	4,593'	300	Surface	Circ.		
30-015-34407	SM Energy Company	PDU	515	P	Active	1300	r s	1675	W	к	35	19S	29E	Feb-06	4,600'	17 1/2"	13 3/8"	400	345	Suface	Circ	12 1/4"	9 5/8"	1,532	480	Surface	Circ.	4,184'-4,236' Perf.	
20.015.20499	Maubauma Oil C			<u> </u>	Delle -	E oci	+	000				400	005	0	0.007	0 3/4"	/"	13,190	425	Surrace		0 1/4"	4 1/2"	4,597	330	Surface	Circ.	+···	
30-013-39100	wewbourne Oil Co.,	FOUL PEAKS 35 FED	1M.	۲	1 Unuing	1 200.		330			35	195	29E	Sep-11	0,221	12 1/4"	<u>20'</u>	202	1730	Surface	Circ *	8 3/4"	13 3/8"	8 420'	1150	Surface	Circ.		delling and has not yet heap completed
	•					550			-						.			0,010		Jundob		6 1/8"	<u> </u>	0,720		Junace			Proposed Bone Spring completion.

PH ACTIVE

SM ENERGY COMPANY AREA OF REVIEW WELL DATA PARKWAY DELAWARE UNIT WELLS NO. 519, 520 & 521 (Page 2)

API'NUMBER	OPERATOR	LEASE	WELL	WELL	STATUS	SFTG.	N/S	FTG. E/W	E/W	UNIT	SEC.	TSHP	RNG.	DATE	TOTAL DEPTH	HOLE	CSG. SIZE	SET	SX. CMT	CMT.	MTD). HOLE SIZE	CSG.	SET	SX. CMT.	CMT. TOP	MTD.	COMPLETION	REMARKS
							1									1			1					1			1		
30-015-29503	SM Energy Company	PDU	304	1	Active	1485'	N	1485'	E	G	35	19S	29E	Apr-97	4,430'	17 1/2' 8 3/4"	' 13 3/8 7"	" 356' 3,045	665 550	Surface Surface	e Circ. e Circ	* 12 1/4 6 1/4	9 5/8" 4 1/2"	1,500' 4,422'	535 250	Surface 1,920'	Circ. CBL	4,154'-4,261' Perf.	* Circ. via 1" tubing.
30-015-29504	SM Energy Company	PDU	507		Active	2628'	'S	1485'	E	J	35	19S	29E	Apr-97	4,400'	17 1/2	13 3/8	" 354	390	Surface	e Circ	12 1/4	9 5/8"	1,366'	500	Surface	Circ	4,164'-4,280' Perf	
								-							<u> </u>	8 3/4"	7"	2,988	8 480	Suface	Circ	. 6 1/4"	4 1/2"	4,399'	210	2,810	Well File		
30-015-30029	SM Energy Company	PDU	508	1	Active	1350'	'S	2520'	E	J	35	19S	29E	Jan-98	4,400'	17 1/2	13 3/8	" 359'	350	Surface	Circ	12 1/4	9 5/8"	1,480'	560	Surface	Circ.	4,160'-4,278' Perf	
		·														8 3/4"	7"	3,000	700	Surface	e Circ	6 1/4'	4 1/2"	4,400'	200	2,100'	CBL		
30-015-33071	SM Energy Company	PDU	305	P	Active	2000'	'N	1564'	E	G	35	19S	29E	Nov-03	4,550	17 1/2	13 3/8	" 344'	930	Suface	Circ.	* 12 1/4	" 8 5/8"	3,200'	2,805	Surface	Circ.*	4,060'-4,230' Perf	* Circ via 1" tubing.
																						7 7/8	5 1/2"	4,550'	585	Surface	Circ.		
30-015-33072	SM Energy Company	PDU	510	P	Active	1870	'S	1480'	E	J	35	19S	29E	Nov-03	4,553	17 1/2	13 3/8	" 341'	800	Surface	Circ.	* 12 1/4	8 5/8	3,200'	1450	Surface	Circ.	4,172'-4,200' Perf	* Circ via 1" tubing.
																						7 7/8	5 1/2"	4,553'	585	Surface	Circ.		
30-015-33073	SM Energy Company	PDU	511	P	Active	2570	'S	2225'	E	J	35	19S	29E	Oct-03	4,550'	17 1/2	13 3/8	" 304'	350	Surface	e Circ	. 12 1/4	8 5/8"	3,210'	1250	Surface	Circ.	3,940'-4,146' Perf	
																						7 7/8	5 1/2'	4,550'	504	340'	CBL		
30-015-33711	SM Energy Company	PDU	306		Active	2090'	'N	2430'	E	G	35	19S	29E	Nov-04	4,620'	17 1/2	13 3/8	" 390'	350	Surface	e Circ	. 12 1/4	" 8 5/8"	3,185'	1750	Surface	Circ.*	3,924'-4,228' Perf	* Circ via 1" tubing.
																						7 7/8	5 1/2	4,626'	600	Surface	Circ.		
30-015-33713	SM Energy Company	PDU	512	Р	PA.	2615	' S	1980'	W	K	35	19S	29E	Jan-05	2,326'	17 1/2	13 3/8	" 386'	600	Surface	e Circ.	* Stuck	pipe in t	he Capitan Re	ef at a	depth of 2	,326' and v	vell was subsequer	ntly plugged and abandoned.
														_								See at	tached s	undry notice	detailir	ng plugging	operation	<u>is from 2,326' to su</u>	rface.
30-015-39420	Mewbourne Oil Co.	Four Peaks 35 Fed	2H	P	NDY	1975	' N	330'	W	E	35	195	29E	NYD		26"	20"	185		Surfac	e	17 1/2	" 13 3/8'	1,300		Surface			Bone Spring Completion
			Pr	opose	d BHL	2310	' N	330'	E	H	35	1 <u>9</u> S	29E			12 1/4'	9 5/8	3,300)'	Surfac	e	8 3/4'	7"	8,455'		1,670'			Proposed casing/cementing design
		1.				1		1													1	6 1/8	4 1/2"	8,250'-12	,516'				
30-015-03615	James L. Lamb, Jr.	Pan American	1	P	PA	330'	S	330'	E	P	34	19S	29E	Aug-62	1,555'		8 5/8"	' 392'	50	192'	File	Non-p	roductiv	e well was PA	'd from	1,555 to s	urface. Se	ee attached sundry	notice detailing plugging.
30-015-20446	The Petroleum Corp.	Sun Federal	1	P	ND	660'	N	660'	E	A	34	19S	29E	Never	Drilled														
30-015-26178	SM Energy Company	Osage Federal	10	Р	Active	1980'	' N	660'	Ê	Н	34	19S	29E	Sep-89	9,500'	26"	20"	347	510	Surface	e Circ.	* 17 1/2	" 13 3/8'	' 1,150'	750	Surface	Circ.	7,034'-7,192' Perf	Bone Spring Completion
			1													12 1/4	' 8 5/8'	3,200	1175	5 1,781'	File	7 7/8	5 1/2"	9,500'	1300	2,743'	Calc.		* Circ. via 1" tubing.
30-015-26188	Siete Oil & Gas Corp.	Osage Federal	11	Р	ND	2030	'S	660'	E		34	19S	29E	Never	Drilled														
30-015-26201	Siete Oil & Gas Corp.	Osage Federal	12	P	ND	990'	N	990'	E	A	34	195	29E	Never	Drilled	T	1		1										
30-015-20440	The Petroleum Corp.	Petco State Com	2	Р	PA	660'	S	1980'	W	N	26	19S	29E	May-71	10,685	15"	11 3/4	605	650	Surface	e Circ.	.* 11"	8 5/8"	3,800'	700	1,080'	T.S.	9,622'-9,646' Perf	PA'd 2/72 Schematic Attached
				Γ.																		7 7/8'	4 1/2"	9,779'	_360	8,319'	Calc.	Wolfcamp Comp.	* Circ. via 1" tubing.
30-015-26112	SM Energy Company	PDU	101	P	Active	330'	S	1980'	E	0	26	19S	29E	Jun-89	4,731'	17 1/2	13 3/8	" 357	350	Surface	e Circ	. 12 1/4	" 8 5/8"	3,285'	3000	Surface	Circ.*	4,028'-4,084' Perf	PBTD-4,154'
																				_		7 7/8'	5 1/2	4,731'	250	3,398'	Calc.		*Circ via 1" tubing.
30-015-26113	Mewbourne Oil Co.	Petco State	3	P	Active	330'	S	1980'	W	N	26	19S	29E	Dec-89	4,740'	17 1/2	13 3/8	358	450	Surface	e Circ	. 12 1/4	" 8 5/8"	3,325	3130	Surface	Circ. *	4,316'-4,458' Perf	* Circ. via 1" tubing.
		l																				7 7/8	5 1/2"	4,740'	300	2,946'	Calc.		
30-015-37850	Mewbourne Oil Co.	Parkway 26 State	4H	P	Active	380'	S	330'	W	M	26	19S	29E	Jun-10	8,228'	26"	20"	243	500	Surface	e Circ	. 17 1/2	" 13 3/8'	1,502	1050	Surface	Circ.		Bone Spring Horizontal Completion
					BHL	373	S	362'	Ē	P	26	19S	29E		TVD	12 1/4	9 5/8	3,523	3 1,330	0 Surface	e Circ.	* 8 3/4'	7"	8,443'	1000	200'	T.S.		*Circ via 1" tubing.
															1					I		6 1/8	4 1/2"	8516-12380	NA	NA	NA		
30-015-26169	SM Energy Company	Agave IK State	1	P	TA	330'	N	2310	W	С	2	20S	29E	Aug-89	4,600'	24"	20"	450'	1,125	5 Surface	e Circ	. 17 1/2	" 13 3/8	1,068	1350	Surface	Circ.	3,760'-4,291' Perf	TA'd w/CIBP @ 3,790' & 4,250'
												1				12 1/4	8 5/8	3,670	1,600	950	T.S.	. 7 7/8	5 1/2"	3,350'-4,600	250	3,490'	CBL		

PA -1 TA -1 Aetwe

Total. Active 32

Linehan & Stoltenberg Getty Federal No. 1 API No. 30-015-03618 1980' FSL & 660' FWL (Unit L) Section 35, T-19 South, R-29 East, NMPM



Drilled: 5/1960 Plugged: 5/1960

		24 (J. L. L. CUPY	Decidence Decision No. 10 mar
Form 9-381 a.			Approval expires 12-31-60.
(F 6D. 1901)	(SURMIT	N TRIPLICATE	Land Office Sente 10
APPER	(BOBINIT I	-	Loase No NM-01523-
101 10-960	UNITE	D STATES	CELVED L
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LAMES	GEOLOG	ICAL SURVEY	W 2 6 1960
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SUNDRY	NOTICES AN	ID REPORTS	TON WELLS
r		11	
NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT C	F WATER SHUT-OFF
NOTICE OF INTENTION TO CHANGE	PLANS	SUBSEQUENT REPORT C	F SHOOTING OR ACIDIZING
NOTICE OF INTENTION TO TEST W	ATER SHUT-OFF	SUBSEQUENT REPORT C	F ALTERING CASING
NOTICE OF INTENTION TO REDRIC	OR ACIDIZE	SUBSEQUENT REPORT O	F ARANDONMENT
NOTICE OF INTENTION TO PULL OF	R ALTER CASING	SUPPLEMENTARY WELL	HISTORY
NOTICE OF INTENTION TO ABANDO	N WELL		
(IND)	CATE ABOVE BY CHECK MARK NA	TURE OF REPORT, NOTICE,	DR OTHER DATA)
		9	10
Actes Delan-1		JUNG 20	, 19
Getty rederal			
Well No. 1 is loc	ated 1980 ft. from ."	$\begin{bmatrix} S \end{bmatrix}$ line and	0 ft. from W line of sec
NW SN Sef. 35	195 2	or n	.N. P. N.
(14 Sec. and Sec. No.)	(Twp.) (R	ange) (Me	ridian)
Undesigneted	Edds	t	New Mastes
(Fleid)	(County or 5	ubdivision)	(State or Territory)
The elevation of the derric	(County or B	$\frac{3315}{\text{ft.}}$	(State or Territory)
(Field) The elevation of the derric	(County or s ck floor above sea level DETAIL:	is <u>3315</u> ft. S OF WORK	(State or Territory)
(Field) The elevation of the derric (State names of and expected depths ie have plugged th	(County or 5 ck floor above sea level DETAIL: to objective sands; show sizes, ing points, and all oth 15 well per not	ubdivision) is <u>3315</u> ft. S OF WORK weights, and lengths of pro- or important proposed work :1ce of intem	(State or Territory)
(Field) The elevation of the derrie (State names of and expected depths Ne have plugged th Kay 31, 1960 as fo Well drilled to a fell drilled to a field with mud to Filled with mud to Filled with mud to and cleaned up local conductor strings	(County or S DETAILS DETAILS to objective sands; show sizes, ing points, and all other is well per not llows: totaldepth of 1 surface water ll50 and with 500 feet and p e at 152.80 fee surface, oment etion (165 feet of 10	abdivision) is <u>3315</u> ft. S OF WORK weights, and lengths of pro- or important proposed work ince of inter 605 feet and at 225-33 cement to 110 at e plug of it end pulled ed same, put 3/4* and 26	(State or Territory) bion to abandon dated encountered no oil, 00. cement 500-425 up in seme up regulation marker 4 feet of 8 5/8" were
(Field) The elevation of the derrie (State names of and expected depths We have plugged th May 31, 1960 as fo Well drilled to a ges or water below Filled with mud to Filled with mud to 7" pipe set at 435 Knocked off 7" pip Filled with mud to and cleaned up local Conductor strings all recovered.	(County or S ck floor above sea level DETAILS to objective sands; show sizes, ing points, and all other is well per not llows: totaldepth of 1 surface water ll50 and with 500 feet and p e at 152.80 fee surface, oment at 10 105 feet of 10	ubdivision) is <u>3315</u> ft. S OF WORK weights, and lengths of pro- primportant proposed work ince of inter 605 feet and at 225-33 cement to 110 but a plug of it and pulled ad same, put 3/4* and 260	(State or Territory) posed casings; indicate mudding jobs, come a) bion to abandon dated encountered no oil, 00. cement 500-425 up in seme up regulation marker 4 feet of 8 5/8" were
(Field) The elevation of the derrie (State names of and expected depths (State names of and expected Kay 31, 1960 as for Well drilled to a ges or water below Filled with mud to Filled with mud to and cleaned up local Conductor strings all recovered.	(County or S Ck floor above sea level DETAILS to objective sands; show sizes, ing points, and all other is well per not llows: totaldepth of 1 surface water ll50 and with 500 feet and r e at 152.80 feet surface, oment etion (165 feet of 10 ark must receive approval in w	ubdivision) is <u>3315</u> ft. S OF WORK weights, and lengths of pro- or important proposed work ince of inter 605 feet and et 225-33 cement to 110 put e plug of it end pulled ed same, put 3/4# and 260 iting by the Geological Sur	(State or Territory) (State or Territory) bion to abandon dated encountered no oil, 00. cement 500-425 up in same up regulation marker 4 fest of 8 5/8" were recybefore operations may be commenced.
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(Field) The elevation of the derrie (State names of and expected depths Ne have plugged th Kay 31, 1960 as for Well drilled to a test or water below Filled with mud to Filled with mud to Filled with mud to and cleaned up local Company Line Address Box 569 Midland, Texas	(County or S DETAILS DETAILS to objective sands; show sizes, ing points, and all other is well per not llows: totaldepth of 1 surface water ll50 and with 500 feet and y e at 152.80 fee surface, cement etion (165 feet of 10 ark must receive approval in wo han & Stoltenbe	ubdivision) is <u>3315</u> ft. S OF WORK weights, and lengths of pro- primportant proposed work ince of inter 605 feet and at 225-33 cement to 110 but a plug of it and pulled ad same, put 3/4# and 260 thing by the Geological Sur rg	(State or Territory) (State or Territory) Bion to abandon dated encountered no oil, 00. cement 500-425 up in same up regulation marker 4 feet of 8 5/8" were very before operations may be commenced.

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DRAWN BY: BJG

TD: 6014'

Form 3-381g		Budght Bureau 42–R358.3. Approval arpires 12–81–55.
2 (Peb. 1953)	(SUBMIT IN TRIPLICATE) UNITED STATES DEPARTMENT OF THE INTERIOR	Lond Office
	GEOLOGICAL SURVEY	

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT.
NOTICE OF INTENTION TO PULL OR ALTER CASING.	SUPPLEMENTARY WELL HISTORY
NOTICE OF INTENTION TO ABANDON WELL	

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

	, 1	9.55
Well No 1-25. is located	$\underbrace{\text{ft. from}}_{W} \text{ line and } \underbrace{\text{ft. from}}_{W} \text{ line of sec. } $	B
(4 Sec. and Sec. No.)	(TVP.) (Range) (Meridian)	
(1563)	(County of Eubdivision) (State or Territory)	-

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, coment-ing points, and all other important proposed work)

195-1645". Shot all 5-1/2" souther at 3053" and 前* 会 5-1 63" and 1230-1400" and 195 or. com

1.0. ** 0.3. annaly 10, 1975 nti suo si kateli J a untimity 1* above ground invol.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

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Company	Bates 413		
Company		SCATANDAGORADO	

Address 639 Bank Tanna Arten

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Midland, Mana

By Kur. yau Title ... Anniations \



SM Energy Company Osage Federal No. 7 API No. 30-015-26051 1980' FSL & 2080' FWL (Unit K) Section 35, T-19 South, R-29 East, NMPM

> Drilled: 1/1989 Plugged: 5/2008

13 3/8" Csg @ 350'w/400 sx. Cement circulated to suface.

Set 45 sx. cement plug @ 636' Tagged plug @ 230'

Set 25 Sx. cement @ 1,330' CIBP @ 1,330'

5 1/2" Csg. @ 1,700' w/810 sx. Cement circulated to surface.

T.D. 1,705'

Form 3160-5 (April 2004)	UNITED STATES DEPARTMENT OF THE BUREAU OF LAND MAN	S INTERIOR AGEMENT	OCD-J	AK EDIA	FORM APPRC OM B No 1004 Expires: March	WED -0137 31, 2007	
SUNDRY	NOTICES AND REP	PORTS ON	WELLS	NM24	160		
Do not use the abandoned w	his form for proposals t ell. Use Form 3160-3 (/	o drill or to APD) for such	re-enter an proposals.	6. If India	an, Allottee or Tr	be Name	
SUBMIT IN TR	IPLICATE- Other instr	uctions on re	everse side.	7. If Unit	or CA/Agreemer	it, Name and/	or No.
1. Type of Well	Gas Well⊒□ Cther	C		8. Well N	ame and No.	<u> </u>	
2. Name of Operator St. Mary Lar	nd & Exploration Company	¢	and the second se	Osage	Federal #7		
3a Address 2700 N A St Pldg 7 Strike 200) Mille- 1 TV 70705	3b. Phone No. (in	nclude area code)	30-01	5-26051		<u></u>
A. Location of Well (Footage, Sec.	T., R. M., or Survey Description)	432-000-1789	1 0 2008	10. Field a Parky	nd Pool, or Expl vay Yates	oratory Area	
1980' FSL & 2080' FWL, Sec.	35, T19S, R29E	OCI) ARTESIA	11. Count Eddy	y or Parish, State Co., N.M.	;	
12. CHECK AI	PPROPRIATE BOX(ES) TO	INDICATE NA	TURE OF NOTICE	, REPORT, O	R OTHER D	\TA	
TYPE OF SUBMISSION		<u></u>	TYPE OF ACTION	٩			
Notice of Intent	Acidize	Deepen Fracture Treat New Construct Plug and Abanc	Production Reclamatic ion Recomplet	n (Start/Resume) on e iy Abandon	Water Sh Well Inte Other	_ut-Off grity	
Final Abandonment Notice	Convert to Injection	Plug Back	Water Disp	oosal			
5-2-08 Tag CIBP @ 1330 Tbg @ 1330'. Spot Tbg @ 636'. Spot 5-5-08 Tbg @ 60'. Circ I Fill Wellbore. Cut off wellhead &	 al Abandonment Notices shall be f for final inspection.) Witnessed by Kent Caffall - 25 sxs 'C' cmt. 45 sxs 'C' cmt. WOC & tag. 7 0 sxs 'C' cmt to surface. installed dry hole marker. 	BLM. Circulate	with 9.5# MLF.	ACCEP	TED FO	d the operator	rhas CORD
					JUN 6	2008	
		اب ا	tor rooord		J.An	65	
	A	ccepted NM()CD	BUREA	U OF LAND RLSBAD FIE	MANAGEN LD OFFICI	AENT E
			·				
14. I hereby certify that the foreg Name (Printed/Typed) Doppa Huddlesto	going is true and correct	Titl	Production Tech				
Signature Abra)	Huddlesta) Dat		06/02/2008		<u></u>	
<u> </u>	THIS SPACE FOR F	EDERAL OF	R STATE OFFI	CE USE			
Approved by	ttached. Approval of this notice de	Des not warrant or	Title		Date		
certify that the applicant holds legal which would entitle the applicant to	or equitable title to those rights in conduct operations thereon.	the subject lease	Office	2.11. A			<u>.</u> a U
States any false, fictitious or fraudule	43 USC Section 1212, make it a int statements or representations as	to any matter with	n knowingly and willt in its jurisdiction.	ully to make to an	y department or	agency of the	
(Instructions on page 2)							

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Southland Royalty Company Apache "A" Federal No. 5 API No. 30-015-26291 890' FNL & 840' FWL (Unit D) Section 35, T-19 South, R-29 East, NMPM

> Drilled: 2/1990 Plugged: 1/1991

13 3/8" Csg @ 220'w/350 sx. TOC @ 20' by T.S.

Set 75 sx. cement plug @ 275' Cement top @ surface

Set 175 Sx. cement @ 1,538' Tagged @ 995'

8 5/8" Csg. @ 1,470' w/750 sx. Cement circulated to surface.

T.D. 1,540'



♦	-1		
orm 3160-5 UNITED STATES	CONTACT RECEIV & OFFICE FOR NUMBER OF COPIES REOUIRED	BLM Roswell Dist Modified Form No NM060-3160-4	rict -
July 1989) Formerly 9–331) DEPARTMENT OF THE INTERIOF BUREAU OF LAND MANAGEMENT	(Other instructions on reverse side)	5. LEASE DESIGNATION A	ND SERIAL NO
		6. IF INDIAN, ALLOTTEE	OR TRIBE NAM
OD not use this form for proposals to drill or to deepen or plug back Use "APPLICATION FOR PERMIT-" for such proposals.	to a different reservair.		
· _ ···		7. UNIT AGREEMENT NAM	AE
	FEB - 7 1991		
Southland Rovaity Company	000	Apache "A" Fed	eral
ADDRESS OF OPERATOR	3ARTESISCO OFFICE NO.	9. WELL NO.	
21 Desta Dr., Midland, TX 79705	915/686-5600	5	
LOCATION OF WELL (Report location clearly and in accordance with any St	ate requirements.*	10. FIELD AND POOL, OR	WILDCAT
At surface		Parkway (Yates	}
	/	SURVEY OR AREA	LIN, AND
90' FNL & 840' FWL		Sec. 35. T195.	R29E
PERMIT NO. 15. ELEVATIONS (Show whether	DF, RT, GR, etc.)	12. COUNTY OR PARISH	13. STATE
30 - 015 - 26291 3311' GR.		Eddy	NM
Check Appropriate Box To Indicat	e Nature of Notice, Repo	rt, or Other Data	
		IENT REPORT OF	
	WATER SHUT-OFF		
SHOOT OR ACIDIZE ABANDON*	SHOOTING OR ACIDIZING	ABANDONMEN	r* X
REPAIR WELL CHANGE PLANS	(Other)		
(Other)	(NOTE: Report results Completion or Recomp	of multiple completion on l pletion Report and Log form	Nell
. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all perinent possed work. If well is directionally drilled, give subsurface locations a work.)*	details, and give pertinent dates, inc nd measured and true vertical depthe	luding estimated date of st for all markers and zoned	arting any p pertinent to
 DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all perinent posed work.)* ie-entered 1/23/91. iii work.)* ii work.)* <li< th=""><th>details, and give pertinent dates, inc nd measured and true vertical depths WOC 2 hours. Tag cmt CL C 2% CaCl2. Cmt to Su</th><th>luding estimated date of st for all markers and zoned @995'. CircCasg \ urface.</th><th>arting any p s pertinent to N/10#</th></li<>	details, and give pertinent dates, inc nd measured and true vertical depths WOC 2 hours. Tag cmt CL C 2% CaCl2. Cmt to Su	luding estimated date of st for all markers and zoned @995'. CircCasg \ urface.	arting any p s pertinent to N/10#
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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,

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Parkway Delaware Unit No. 512 API No. 30-015-33713 2615' FSL & 1980' FWL (Unit K) Set 60 sx. cement plug Section 35, T-19 South, R-29 East, NMPM 90'-surface **Drilled: 1/2005** Plugged: 1/2005 13 3/8" Csg @ 386' w/600 sx. Cement circulated to surface Set 150 sx. cement plug 314'-439' Set 75 sx. cement plug 1,528'-1664'

SM Energy Company

T.D. 2,326'

Form 3160-5 (September 2001)	UNITED STATES DEPARTMENT OF THE IN BUREAU OF LAND MANA	TERIOR	Oil Cons. N.M. DIV-Dist.	2 Exp	FORM APPROVED MB No. 1004-0135 ires: January 31, 2004
SUNDR Do not use th	Y NOTICES AND REPOR	RTS ON WELAS	esia, NM 88	2101 - 24160	I No.
abandoned we	all. Use Form 3160-3 (APD)	for such propos	als.	o. If Indian, Al	lottee of The Name
SUBMIT IN TR	IPLICATE - Other Instru	ctions on reven	se side	7. If Unit or CA	A/Agreement, Name and/or No.
1. Type of Well	-	and a second	BECEIVED	Parkway Dela	aware Unit
Oil Well Gas Well	Other			8. Well Name	and No.
2. Name of Operator	mnon1/		FEB 1 0 2005	PDU #512	0
3a. Address	inpany	3b. Phone No. (inch	Ide In Code RTESI	30-015-3371	3
580 Westlake Park Blvd #600 1	Houston TX 77079	281-677-2800	·	10. Field and P	ool, or Exploratory Area
4. Location of Well (Footage, Sec.,	T, R., M., or Survey Description)	1201 077 2000		Parkway Del	aware
2615' FSL & 1980' FWL UL:K, S	Sec. 35-T19S-R29E, N.M.P.M.			11. County or I	Parish, State
				Eddy	
12 CHECK AP	PROPRIATE BOX(ES) TO	INDICATE NAT	URE OF NOTICE R	FPORT OR C	THER DATA
TYPE OF SUPPRISSION			VE OF ACTION		
			THE OF ACTION		<u> </u>
	Acidize	Deepen	Production (Star	t/Resume)	Water Shut-Off
- Nonce of finent	Alter Casing	Fracture Treat		_	Well Integrity
Subsequent Report	Casing Repair	New Construction		undon	Other
Final Abandonment Notice	Convert to Injection	Plug Back	Water Disposal	andon	
determined that the site is ready Drilled to 2326' and became stuck 1/26/2005: Plug #1- 75 sx Premi Plug #2 - 150 sx Premi Plug #3 - 60 sx Premi P &A operations were	for final inspection.) k in the Capitan Reef. Unable t um Plus + 2% Cacl2 @ 1664' to nium Plus + 2% Cacl2 @ 439' t ium Plus + 2% Cacl2 @ 90' to s witnessed by BLM representat	o recover dilling too o 1528' o 314' urface. Cut off surfa well maker. ive, Cathy Queen.	ls in hole. P & A as fol the casing at 3' below G Approved as to Lipbility update	lows: L and welded on P plugging of th	steel plate cap. installed
		- ARAOCD	Surface restore	Dond is rstaine ation is compete	d until ed.
 14. 1 hereby certify that the foregoin Name (PrintedlTyped) 	is true and correct	Recon			
Dennis L. Goins	ad for	Title C	Deprations Engineer		
Signature Commo	fat an	Date	/2/2005		
	THIS SPACE FO	OR FEDERAL OR	STATE OFFICE USE		
Approved by (Signature)	(ORIG. SGD.) ALEXIS C.	. SWOBODA	Name (Printed/Typed)	PFI	BOLEUM ENGINEER
Conditions of approval, if any, are certify that the applicant holds legs which would entitle the applicant to o	attached. Approval of this notice al or equitable title to those rights conduct operations thereon.	does not warrant or in the subject lease	Office RFO		PFEB 0 8 2005
Title 18 U.S.C. Section 1001 and Ti States any false, fictitious or fraudule	tle 43 U.S.C. Section 1212, make i ent statements or representations as	t a crime for any perso to any matter within it	on knowingly and willfully s jurisdiction.	to make to any de	partment or agency of the United
(Continued on next page)					

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20' cement suface plug James L. Lamb, Jr. Pan American No. 1 API No. 30-015-03615 330' FSL & 330' FEL (Unit P) Section 34, T-19 South, R-29 East, NMPM

Pit mud-20'-212'

8 5/8" casing cut & pulled @ 129'

Drilled: 8/1962 Plugged: 10/1962

8 5/8' Csg @ 392'w/50 sx. TOC @ 192' (Cut & Pull Depth)

Hole was filled with ready-mix concrete from 212'-1,485'

Pit Mud-1,485'-1,555'

T. D. 1,555'

(Feb. 1951)	(SUBN	ATT IN TRÌPI	LICATE)	1/m	Land Offic	0	
NEY	LIN	UTED STA	TES	•	Loase No.	NK	01
lop co			ie Intee		Unit	P	
A BOM TR	GEOR I MIL		ie Intier Ievev	TOR	$\mathcal{R}(\mathcal{F})$	5 80	. .
OC SPECTAL NGINEER	0.0		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				13
A set					$0c_i$		
SUNDRY M	NOTICES	AND RI	EPORT	'S ON	WEI	.I.S	a .
Aut					ARTE	<u> </u>	:
NOTICE OF INTENTION TO DRILL		SUBSEQ	UENT REPORT	OF WATER	HUT-OFF	· · · · · · · · · · · · · · · · · · ·	
NOTICE OF INTENTION TO CHANGE PLAN	NS	SUBSEQ	UENT REPORT	OF SHOOTIN	g or acid	ZING	
NOTICE OF INTENTION TO TEST WATER	SHUT-OFF	SUBSEQ	UENT REPORT	OF ALTERIN	g casing		
NOTICE OF INTENTION TO RE-DRILL OF	REPAIR WELL	SUBSEQ	UENT REPORT	OF RE-DRIL	ING OR RE	PAIR	
NOTICE OF INTENTION TO SHOOT OR ALL		SUBSEQ	UENT REPORT	OF ABANDO	MENT		
NOTICE OF INTENTION TO ADANDON WE	TER CASING	SUPPLEI	MENTART WEL	L HISTORT.			
Final Report On Fl	uaged Vell	X	••				
(INDICATE	ABOVE BY CHECK MA	ARK NATURE OF RI	EPORT, NOTICE	, OR OTHER	DATA)		
				Goto	ber 8		
Pan Aserican	1 770 (. ((M)	1 47.76	A 6 ((E),	e	
		am Jet Una	and 3.3		ᆙᅸᄹᄾᆊᄪᇧᅸᆝᆝ		
well 140 is located	، 1 د ، 1 د بوالي اي ر 1	m_{S} line	and	9 IC. 110	[WG		000
573503 500. 34	19-5	$29-\Xi$	and	M.P.S.	{WG}		
64 Sec. and Sec. No.)	19=5 (Twp.)	$\sum_{(Range)} \sum_{S} $ line	and	eridian)	[W 0]		•.
571571 500 - 34 (4 Bec. and Sec. No.)	19-5 (Tvp.) Edd	$\sum_{\substack{\{S\}\\(Range)}} \lim_{\{S, S\}} \lim_{\{B, B, B$	and22	Leridian)	(W)	C O	•.
S 1 5 1 5 5 6 . 34 (4 Bec. and Bec. No.) W11065 ((Field)	19-5 (Twp.) EAC (Course	OM{S} line	and	Fight C. How	(W)	CO ritory)	•
Silver and Sec. No.) W11000 t. (Field)	19-5 (Twp.) Edd (Coun	OM_{S} line 29-E (Range) Ty ty or Subdivision) level is3	and	Nerdian)	State or Ter	Qü ritory)	
SILSI SOL 34 (4 Bec. and Sec. No.) W110cnt (Pield) The elevation of the derrick fi	(Twp.) (Twp.) EAC (Com	OM_{S} line 29-5 (Range) 17 17 19 or Subdivision) level is3 AU S OF N	and	Leridian)	State or Ter	C ritory)	?
SISTI Soc. 34 (4 Soc. and Soc. No.) W110081 (Field) The elevation of the derrick fi	19-5 (Twp.) Edd (Coun loor above sea DET.	OM. {S} line 29-E (Range) 19 19 or Subdivision) level is AILS OF W	and 22 (M 321ft. /ORK	Eridian)	State or Ter	oc ritory)	
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Site names of and expected depths to of	(Twp.) (Twp.) Edd (Coun coor above sea DET. bjective sands; show ing points, and a PLUOGING	OM. {S} line (Range) (Ran	and	roposed casi	(W)	CC ritory)	
SILSEL SOL 34 (4 Bec. and Sec. No.) W112GES (Pield) The elevation of the derrick fl (State names of and expected depths to ob	(Twp.) (Twp.) EAC (Coun oor above sea DET. bjective sands; show ing points, and a PLUOGING	CRange) (Ran	and	roposed caal	(W)	ritory)	
SILIER HOLE STOCE	19-5 (Twp.) EAC (Coun loor above sea DET. bjective sands; show ing points, and a PLUGGING h pit suc	OM. {S} line 29-E (Range) 19 19 19 19 19 19 19 19 19 19	and 22 March 19 221ft. /ORK del lengths of p th proposed wo ATION 35-1555	roposed casi	State or Ter	CC Titory)	
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SILSEL SOLA 34 (4 Bec. and Bec. No.) W11dgat (Pield) The elevation of the derrick fl (State names of and expected depths to of F111ed Hole wit Role was filled Used collar bus Fulled 200 of	19-5 (Twp.) Edd (Coun oor above sea DET. bjective sands; show ing points; and a PLUOGING h pit sud with Read tor and ki	IV (Range)	and 22 No (M 321ft. /ORK of lengths of p th proposed wo ATION 35-1555 On OF 15 (1 8 5/	roposed casi sriposed casi ark)	Wh State or Ter nen, india 212-1 1n6		
SILSEL SOLA 34 (4 Bec. and Sec. No.) W11dent (Field) The elevation of the derrick fi (State names of and expected depths to ob Filled Hole wit Hole was filled Used collar bus Fulled 129' of	19-5 (Twp) EAC (Coun loor above sea DET. bjoctive sands; show ing points, and PLUOGING h pit sud with Read tor and kr 8 3/8" sul	INFORMA Some second se	and 22 Ne 321ft. ORK diangths of p th proposed wo ATION 35-1555 Shorete Cf 8 5/ Ding a 20-21	roposed caal	State or Ter		
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Silicit Soc. 34 (4 Sec. and Sec. No.) Wildest (Field) The elevation of the derrick fi (State names of and expected depths to of Filled Hole wit Hole was filled Used collar bus Fulled 129' of Hole was filled Regulation Mark Location has be inspection	19-5 (Twp.) EAC (Coun loor above sea DET. bjective sands; show ing points; and a PLUOGING h pit sud with Read tor and kn 8 3/8" sud with pit or and 20'	INFORMATING	and 22 Ma S2lft. /ORK dimpths of p ATION S5-1555 onoroto ff 5 5/ Ding a 20-21 plug w now re	roposed casi roposed casi and a casi and and a casi and and an	State or Ter State or Ter 212-1 1ng Q at s r fin		
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SILSEL Soc. 34 (4 Bec. and Bec. No.) W11dest (Field) The elevation of the derrick field State names of and expected depths to ob Filled Hole wit Hole was filled Used collar bus Fulled 129' of Hole was filled Regulation Mark Location has be inspection	19-5 (Twp) EAC (Coun loor above sea DET. bjoctive sands; show ing points, and a PLUOGING h pit sud with Read ter and kr 8 3/8" sul with pit or and 20 en cloaned	In writing by the	ATION 35-1555 TON 35-155 TON 35-155 TON 35-1555 TON 35-155 TON 35-1555 TON	roposed caal from San Gas 3" Gas 2 3 B B C 2 3 C C 3 C C C 3 C C C 3 C C 3 C C C 3 C C C C	Wi State or Ter nge, india 212-1 ing & at s r fin	C Thory) Thory) C C C C C C C C C C C C C	
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SILSE: Soc. 34 (4 Bec. and Sec. No.) W11dcat (Pield) The elevation of the derrick fl (State names of and expected depths to ob Filled Hole wit Hole was filled Used collar bus Pulled 129' of Hole was filled Regulation Mark Location has be inspection	19-5 (Twp) EAC (Coun oor above sea DET. bjoctive sands; show ing points, and a PLUOGING h pit sud with Read ter and kr 8 5/8" sul with pit or and 20 en clouned	In writing by the	and	roposed casi roposed casi recipiana) from a roposed casi recipiana) from a roposed casi recipiana) from a roposed casi a roposed ca	State or Ter (State or State or Stat	CO Titory)	
SILSE: Soc. 34 (4 Boc. and Soc. No.) W113cat (Field) The elevation of the derrick fl (State names of and expected depths to of Filled Hole wit Role was filled Used collar bus Fulled 129' of Hole was filled Regulation Mark Location has be inspection I understand that this plan of work m Company James Le Lam Address Box 5365	19-5 (Twp) EAC (Count loor above sea DET. bjective sands; show ing points; and PLUOGING h pit sud with Read ter and kr 8 3/8" sul with pit er and 20 en clooned	In writing by the	and	roposed caal from 3" GBE 3" GBE 2 30 BOT 30 C	Wi State or Ter State or Ter 212-1 ing R at s or fin operations		
SILSEL Soc. 34 (4 Bec. and Sec. No.) W110gat (Field) The elevation of the derrick fl (State names of and expected depths to ob Filled Hole wit Hole was filled Used collar bus Fulled 129' of Hole was filled Regulation Mark Location has be inspection I understand that this plan of work m Company James Le Low Midland, Tow	19-5 (Twp) EAC (Coun loor above sea DET. bjective sands; show ing points, and a PLUGGING h pit sud with Read ter and kn 8 5/8" sul with pit er and 20' en cleaned	In writing by the	and	roposed casi foridiaa) 	Wi State or Ter State or Ter 212-1 1ng at s r fin operations		
SILSEL Soc. 34 (4 Boc. and Soc. No.) W11dgat (Field) The elevation of the derrick fl (State names of and expected depths to ob Filled Hole wit Hole was filled Used collar bus Fulled 129' of Hole was filled Regulation Mark Location has be inspection I understand that this plan of work m Company James Le Low Address Box 5305	19-5 (Twp.) EAC (Coun loor above sea DET. Discrive sands, show ing points, and a PLUOGING h pit sud with Read tor and ki 8 3/8" sul with pit or and 20' en cloaned	INFORMATION CONTACT OF	ATION 321ft. /ORK of lengths of p it proposed wo ATION 35-1555 DING 20-21 plug w now re Geological St By	roposed casi roposed casi from a posed casi from a posed casi from a posed a	Wo State or Ter ngo; india 212-1 212		

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THE PETROLEUM CORPORATION



DRAWN BY: BJG

TD: 10685 PBTD: 9651'

NO. OF COPIES RECEIVED	3					Form C-103	
DISTRIBUTION					FIVED	Supersedes ()ld
SANTA FE		NEW	MEXICO OIL C	ONSERVATION	COMMISSION	C-102 and C- Effective [-]/	103 -65
FILE	1-			_			
U.S.G.S.		0		FEB (2 4 1972	5a. Indicate Typ	e of Lease
LAND OFFICE						State 🔨	Fee
OPERATOR				Π.	n n	5, State Oil & Go	15 Lease No.
.	·····			APTES			0000
(00 NOT USE THIS FC	SUNDR	Y NOTICES A	ND REPORTS	ON WELLS	FERENT RESERVOIR.		
I. OIL CAS		OTHER-				7. Unit Agreemer	it Name
2. Name of Operator THE PE	TROLI	EUM CORP	ORATION			8, Form or Lease Petco Stat	e Com.
3. Address of Operator 3303 Let	e Park	way, Dalla	s, Texas 7	5219		9. Well No. 2	
4. Location of Well N	(660	South		1980	10. Field and Po	ol, or Wildcat Volfcamp
UNIT LETTER	·•	PEET FI	ROM THE	LINE AND .	FEET FROM	innna''	uninnn.
West	INE, SECTIO	26	TOWNSHIP	19 RANGE	29		
					NINT NINT #		
		15. Ele	evation (Show when	ther DF, RT, GR,	etc.)	12. County	
ÖTTTTTTTTTT	/////				- <u></u>		
10.	Check A	Appropriate B	ox To Indicat	e Nature of N	lotice, Report or O	ther Data	
NOTI	CE OF IN	TENTION TO	:		SUBSEQUEN	T REPORT OF:	
	ר	a				A1 754	
	า่	P	LUG AND ABANDON [ALIER	
PULL OF ALTER CASING	1	c	HANGE PLANS	CASING TES	TAND CEMENT JOB		
		-		OTHER			
OTHER							
 Loaded hole w/2 Set bridge plug Shot 4-1/2" cas Set 35 sack cem Set 35 sack cem Shot 8 5/8" cas Set 35 sack cem Set 35 sack cem Set 35 sack cem Set 10 sack cem Installed 4 inch Prepare to 	gel mu at 9550 ing at nent plu ing at nent plu nent plu marka clean	d. 0' & dump 5500' & pui 1g 5505 to 1g 3850 to 1g 3850 to 1g 640 to 5 1g at surfa- 1g at surfa- 1g location	8 sxs. cen lled 5500' (5405 feet. 3750 feet. nd pulled 1 972 feet. 40 feet. ce. / 4 - 7 2- n will ad	ent on top of 4-1/2" o 012 feet o ivise when	casing. f 8-5/8' casing ready for insp	ection.	
18. I hereby certify that the	$\frac{1}{2}$	above is true and	complete to the be	Petrolaur	ige and belief.	Roh	21 1072
SIGNE Signer	ملالان	un-	TITLE			DATE	. 41, 17/4
APPROVED BY Sector	CIN.	lima		uil Anu Sa	J INSPECTOR	DATE JU	N 1 4 19 72

APPROVED BY CONDITIONS OF APPROVAL, IF ANY:



Catalyst Oilfield Services 11999 E Hwy 158 Gardendale, TX 79758 (432) 563-0727 Fax: (432) 224-1038

Water Analysis Report

Customer:	SM Energy Compa	any	Sample #:	7061	
Area:	Artesia		Analysis ID #:	9103	
Lease:	PARKWAY DELAN	WARE STATE			
Location:	702	3001526026			
Sample Point:	Wellhead				

Sampling Date:	11/16/2011	Anions	mg/l	meq/l	Cations	mg/l	meq/l
Analysis Date:	11/23/2011	Chloride:	22107.7	623.58	Sodium:	12980.0	564.6
Analyst:	Catalyst	Bicarbonate:	207.4	3.4	Magneslum:	545.8	44.9
TDS (mail or alm3)	A0770 A	Carbonate:			Calcium:	1447.0	72.21
Density (a/cm3):	1 03	Sulfate:	3100.0	64.54	Potassium:	338.8	8. 66
Considy (gromo):	1.00				Strontium:	52.6	1.2
					Barium:	0.0	0.
Hvdrogen Sulfide:	170				iron:	0.0	0.
Corbon Diovido:	42.0				Manganese:	0.078	0.
	13.4						
		pH at time of samplin	ıg:	7.4			
Comments:		pH at time of analysis	s:				
		pH used in Calculat	ion:	7.4	Conductivity (m)		
		Temperature @ lab	conditions (F):	75	Resistivity (ohm	meter):	.1848

		Values C	alculated	at the Give	n Conditi	ons - Amou	ints of Sc	ale in Ib/10	<u>00 bbl</u>		
Temp	Ca	alcite SaCO ₃	Gyp CaSC	sum 04 ^{*2H} 20	Ant C	ydrite aSO ₄	Cele Si	ostite 'SO ₄	Ba Ba	rite ISO ₄	
۴	Index	Amount	Index	Amount	Index	Amount	Index	Amount	Index	Amount	
100	0.69	13.81	-2.22	0.00	-2.21	0.00	-1.83	0.00	0.00	0.00	
120	0.76	16.51	-2.24	0.00	-2.14	0.00	-1.82	0.00	0.00	0.00	
140	0.82	19.54	-2.25	0.00	-2.06	0.00	-1.80	0.00	0.00	0.00	
160	0.89	22.91	-2.25	0.00	-1.96	0.00	-1.77	0.00	0.00	0.00	
180	0.96	26.62	-2.24	0.00	-1.84	0.00	-1.74	0.00	0.00	0.00	
200	1.04	30.32	-2.23	0.00	-1.71	0.00	-1.71	0.00	0.00	0.00	
220	1.12	33.69	-2.22	0.00	-1.57	0.00	-1.67	0.00	0.00	0.00	



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 (quarters	s are s are	1=N\ smal	N 2=I lest to	NE 3= b large	SW 4: est)	=SE) (NAD83 UTM	l in meters)	ł	(In feet)	
POD Number	POD Code Subbas	in Count	Q y 64	Q C 16 4) Sec	Tws	Rng	С	Y	Depth Well	Depth W Water Co	ater lumn
CP 00739		ED	3	44	35	19S	29E	589246 Avera	3608217 ige Depth t Minimur Maximun	200 o Water: n Depth: n Depth:	110 110 fee 110 fee 110 fee	90 t t t
Record Count: 1											tage bind con have been	Anner Lands offers

PLSS Search:

Section(s): 35

Township: 19S

: 19S Range: 29E

Р. О. ВОХ 1468 MONAHANS, TEXAS 79756	Martin Water	Laboratories, Inc.	709 W. INDIANA MIDLAND, TEXAS 79701	
PH. 943-3234 OR 563-1040	RESULT OF V	ATER ANALYSES	PHONE 683-4521	
		LABORATORY NO.	29253	· .
To. Mr. Robert Lee		SAMPLE RECEIVED	2-5-92	
P. O. Box 2523, Roswell	NM 88202		2-12-92	
COMPANY Siete 011 & Gas Co	orporation	LEASEProposed Parkway	Delaware Waterflood	
	Parkway (D	elaware)		
SECTION BLOCK SURVEY	COUN	TY_Eddy	NM	

SOURCE OF SAMPLE AND DATE TAKEN:

NO. 1 Raw water - taken from Osage #8 water supply well.

NO. 2 Produced water - taken from Osage #1.

NO. 3 Disposal water - taken from Tuesday Federal Salt Water Disposal.

NO. 4 Raw water - taken from Amax water well.

·C	HEMICAL	AND PHYSICAL I	PROPERTIES		
		NO. 1	NO. 2	NO. 3	NO. 4
Specific Gravity at 60" F.		1.0045	1.1570	1.1352	1.1396
pH When Sampled					
pH When Received		4.73	6.94	6.96	7.68
Bicarbonate as HCO3	•	78	66	146	200
Supersaturation as CaCO3			8	12	4
Undersaturation as CaCO3		236			
Total Hardness as CaCO3		2,040	59,000	49,000	16.000
Calcium as Ca		656	19,200	15,600	1.920
Magnesium as Mg		97	2.673	2,430	2.722
Sodium and/or Potassium		331	65,293	54,200	74.895
Sulfate as SO4		1.552	589	461	6.169
Chloride as Cl		767	142,038	117,892	122,153
Iron as Fe		1.0	10.8	4.1	0.04
Barium as Ba	1961 - N. 2000 - Control	and the second	and the second	معادر ومعادر المعاد	a sur an an an an an an
Turbidity, Electric					
Color as Pt					
Total Solids, Calculated		3,481	229,858	190,729	208.059
Temperature *F.					
Carbon Dioxide, Calculated - Carbon Dioxide, Calculated	Segue a second	- STRAND STRAND		23.	
Dissolved Oxygen.					
Hydrogen Sulfide		0.0	0.0	0.0	0.0
Resistivity, ohms/m at 77° F.		2.01	0.052	0.060	0.057
Suspended Oil		ļ			
Filtrable Solids as mg/1		·	L		
Volume Filtered, ml				<u>]</u>	·
	. <u></u>				1
	- <u> </u>		l		
		l	l	L	<u> </u>
	Results I	Reported As Milligram	s Per Liter		
Additional Determinations And Remarks		······			·····
					<u></u>
			F.T	· · · · ·	
	-6-1-	CETAR		· · · · · · · · · · · · · · · · · · ·	
		<u>EEB 5 1 1995</u>			

Ву ---

P. O. BOX 1468 Monahans, Texas 79756 Ph, 943-3234 Or 563-1040	RESULT OF WATER A	NALYSES	MI	709 W. INDIANA DLAND, TEXAS 7970 PHONE 683-4521
	REJUET OF MATER A		2925	(Page 2)
		BORATORY NO.	2-5-	92
P. 0. Box 2523 Roswell, NM 8	8202	MPLE RECEIVED .	2-12-	-92
	RE	SUL IS REPORTED.		
computer Siete Oil & Gas Corpo	ration	Proposed Par	kway Delawa;	ce Waterflood
	Parkway (Delaware	2)		
	COUNTY	Eddy er	ATE	M
	COUNTY	3I	A / E	·····
Bour water - taken from	Eddy Potach water	well		
NO. 1 Raw Walter Caren IIou	Budy notasin water			••••••••••••••••••••••••••••••••••••••
NO. 2 Amax Lake Water.		·		
NO. 3				
NO. 4	· ·			
REMARKS:	Mixed Water Syste	m		
CHE	MICAL AND PHYSICAL P	ROPERTIES	ويستغدمه فالمعرفة فيعجبوا التعادي والمستعد	
	NO. 1	NO. 2	NO. 3	NO. 4
Specific Gravity at 60° F.	1.1657	1.2273		
pH When Sampled				
pH When Received	7.66	7.82		
Bicarbonate as HCO3	120	102		
Supersaturation as CaCO3	4	0		
Undersaturation as CaCO3	:			
Total Hardness as CaCO3	17,000	19,500		
Calcium as Ca	2,480	920		_
Magnesium as Mg	2.624	4.180		
Sodium and/or Potassium	91,035	129.126		
Sulfate as SO4	4,344	7.428		
Chloride as Cl	149,140	207,375		
Iron as Fe	0.54	0.54		
Barium as Ba			· · ·	
Turbidity, Electric				
Color as Pt		2/0.122	·····	
Total Solids, Calculated	249,743	349,132		
Cerbon Disuida, Calculated				
Dissolved Owner	1. 19 1. 19	1. (1994) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (19		ne en la servici de la serv El composition de la servici
Hydroree Sulfide	0.0	0.0		
Resistivity, ohms/m at 77° F.	0.0	0.041		
Suspended Oil				
Filtrable Solids as mg/1			<u></u>	
Volume Filtered, ml				· · · · · · · · · · · · · · · · · · ·
	Results Reported As Milligrams	Per Liter		
Additional Determinations And Remarks	Letter of recommende	dation attache	éd.	
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Form C-108 Affirmative Statement SM Energy Company Parkway Delaware Unit Wells No. 519, 520 & 521 Section 35, T-19S, R-29E, NMPM Eddy County, New Mexico

Available geologic and engineering data have been examined and no evidence of open faults or hydrological connection between the injection zone and any underground sources of drinking water has been found.

to

Ann Ritchie Regulatory Agent SM Energy Company

4-1

Date

Form C-108 SM Energy Company Parkway Delaware Unit Wells No. 519, 520 & 521 Section 35, T-19 South, R-29 East, NMPM, Eddy County, New Mexico

Legal notice will be published in the:

Artesia Daily Press P.O. Box 190 Artesia, New Mexico 88211-0190

A copy of the legal advertisement will be forwarded to the Division upon publication.

SM Energy Company c/o P.O. Box 953, Midland, Texas 79702, has filed a Form C-108 (Application for Authorization to Inject) with the Oil Conservation Division seeking administrative approval to convert the following-described wells to water injection wells within the Parkway Delaware Unit Pressure Maintenance Project, Parkway-Delaware Pool, Eddy County, New Mexico:

Parkway Delaware Unit No. 519: (API No. 30-015-39878) 1980' FSL & 1380' FWL (Unit K) Section 35, Township 19 South, Range 29 East. Injection Interval: Selected perforated intervals from 3,864'-4,338' (Cherry Canyon Unitized Interval)

Parkway Delaware Unit No. 520: (API No. 30-015-39879) 2450' FNL & 1330' FWL (Unit F) Section 35, Township 19 South, Range 29 East. Injection Interval: Selected perforated intervals from 3,864'-4,338' (Cherry Canyon Unitized Interval)

Parkway Delaware Unit No. 521: (API No. 30-015-39880) 1420' FNL & 1330' FWL (Unit F) Section 35, Township 19 South, Range 29 East. Injection Interval: Selected perforated intervals from 3,864'-4,338' (Cherry Canyon Unitized Interval)

The average and maximum injection rates will be 500 and 1,500 barrels of water per day, respectively, and the average and maximum surface injection pressure is anticipated to be 773 psi and 1,280 psi, respectively.

Interested parties must file objections with the New Mexico Oil Conservation Division, 1220 S. St Francis Drive, Santa Fe, New Mexico 87505, within 15 days of the date of this publication.

Additional information can be obtained by contacting Ms. Ann Ritchie, Regulatory Agent, SM Energy Company at (432) 684-6381