<u>Ø. </u>	10.11 10/26 1 WVJ . 10,11 TYPE SUD 1128366638
	NEW MEXICO OIL CONSERVATION DIVISION - Engineering Bureau - 1220 South St. Francis Drive, Santa Fe, NM 87505
	ABOVE THIS LINE FUR DIVISION USE ONLY COTTON THE DET HATTER AS 277
	ADMINISTRATIVE APPLICATION CHECKLIST 30-025-22024
т	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
	[PC-Pool Commingling] [OLS - Off-Lease Commingling] [PLC-Pool/Lease Commingling] [PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement] [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion] [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase] [EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]
1]	TYPE OF APPLICATION - Check Those Which Apply for [A][A]Location - Spacing Unit - Simultaneous Dedication□NSL□NSL□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 X SWD □ IPI □ EOR □ PPR
	[D] Other: Specify
[2]	NOTIFICATION REQUIRED TO: - Check Those Which Apply, or Does Not Apply [A] D Working, Royalty or Overriding Royalty Interest Owners
	[B] X Offset Operators, Leaseholders or Surface Owner
	[C] X Application is One Which Requires Published Legal Notice
	[D] X Notification and/or Concurrent Approval by BLM or SLO U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office
	[E] \Box For all of the above, Proof of Notification or Publication is Attached, and/or,

[F] Uaivers 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	KAY Howenor	Agent	10/3/2011
	· · · · · · · · · · · · · · · · · · ·		

Title

Print or Type Name

Signature

1

KHavenor@georesources.com e-mail Address Date

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

APPLICATION FOR AUTHORIZATION TO INJECT

I.	PURPOSE: Secondary Recovery Pressure Maintenance X 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: 575-626-4518
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?YesYesNo 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: <u>Agent</u>
SIGNATURE: KAY HAVENON	DATE: <u>10/3/2011</u>
E-MAIL ADDRESS: <u>KHavenor@georesources.com</u>	575-626-4518

* 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

Tubir	g Size: <u>3-1/2" J-55</u> Lining Material: Fiberglass coated
Ty	be of Packer: Lok-Set
Pa	sker Setting Depth: Approx 4900 ft
Ot	her Type of Tubing/Casing Seal (if applicable):
	Additional Data
Ξ.	Is this a new well drilled for injection? $Yes X No$.
	If no, for what purpose was the well originally drilled? Morrow test
2.	Name of the Injection Formation: <u>Delaware Bell Canyon Fm and Cherry Canyon Fm.</u>
Э.	Name of Field or Pool (if 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. <u>No</u>
5.	Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: <u>Productive and depleted wells east and south in overlying Bell</u>

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Bell Canyon, and P&A producers to north, east, south and southwest in the AOR.

Item V:

Area of Review ¹/₂ Mile AOR and 2 Mile Radius



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Item VI: Data on wells in AOR.

All wells in AOR that penetrate the proposed disposal interval:

TVD	15769	5000
ELEVGL	3461	3462
SPUD_DATE	20-Feb-67	20-Feb-06
PLUG_DATE	25-Jul-68	
WELL	0	0
LAND	ш.	ᇿ
OPERATOR	TEXACO EXPLORATION & PROD	OXY USA INC
OCD	ш	თ
EW	M 0	5 E
FIG	76	167
NS	N	Z
FTG	2080	2210
RANGE	32E	32E
TWNSP	25S	25S
SEC	10	10
STATUS	i Plugged	TA
WELL_NAME	COTTON DRAW UNIT 066	COTTON DRAW UNIT 102
API	3002522024	3002537598

Item VI(a): Construction of wells in the AOR that penetrate the proposed disposal zone:

w/350 sx. PBTD 15,722'. Perf 5 JSPF 15086-15,102. 2 JSPF 14,682'-15,008'. NS. Perf 2 JSPF 14,826'-14,838' & 14,692'-15,008' w/NS. Re-perf 2 Pulled 31/2" tbg. CIBP in 75/8" @12,250' w/ 40 sx Class C 12,450'-12,250'. Loaded hole w/inhibited mud. Spotted 20 sx in 75/8" @80' to surf. P&A 13%" 48# H-40 set @604' w/725 sx circ to surface. 12¼" hole set 10¾" 45.5# @4,980' w/stage-1=850 sx +stage-2=1,200 sx TOC NR. 8¾ hole 1. 30-025-22024 Texaco Exploration & Production, Inc Cotton Draw Unit #66, Unit F-Sec. 10-T25S-R32E Spudded 2/20/1967. 171/2" hole set set 75%" 33.7# P-110 @12,913' w/900 sx then 1105 sx thru @DV 4,806', TOC 3,820' (TS). DO to TD 15,769'. Set 51/2" liner 15,769' to 12,538' JSPF 15,008'-15,032', 14,997'-15,002',14,962'-14,997'. Acid /w total 11,000 gal 15% + 460 bbls gelled brine w/800 # sand. NS. TA 9/9/1967. 7/25/1968

2. 30-025-37598 OXY USA, Inc, Cotton Draw Unit #102, Unit G-Sec. 10-T25S-R32E Spudded 2/20/2006. 12/4" hole set 85%" 24# @825' w/500 sx, circ to surface. 77/8" hole set 51/2" 17# @5,000' w/1300 sx, circ to surface. PBTD 4,915'. Frac w/17431 gal w/sand. Completion filed 8/30/2011. API 30-025-22024

Cotton Draw No. 66 2080' FNL & 760' FWL Sec. 10, T25S-R32E Lea County, NM Item VI(b): All known well in the AOR:

DVT	4468	4829	4850	4815	4910	4850	15769	4791	4896	5000	4775	4787	4825	4795	4771
ELEVGL	3460	3460	3457	3476	3476	2461	3461	3462	3443	3462	3463	3459	3420	3457	3454
SPUD_DATE	11-Feb-01	7-Jul-51	10-Feb-61	13-Mar-61	31-May-63	23-Mar-61	20-Feb-67	14-Feb-61	28-0ct-61	20-Feb-06	25-Feb-71	14-Jan-61	14-Mar-61	12-Nov-60	21-Dec-60
PLUG_DATE	22-Feb-01		15-Nov-89	10-Feb-01	22-Sep-95	3-Feb-89	25-Jul-68	23-Jul-07	7-Sep-95		30-Jul-97	13-Jul-07	1-Aug-95	16-0ct-09	
WELL	0	0	_	0	0	0	0	0	_	0	0	0	0		·
AND	LL	ц.,	ц.	u_	LL	LL_		LL.	u.	ш.	ц.	u	ц.,	L.L	L.
OPERATOR	SAHARA OPERATING CO	OXY USA INC	TEXACO EXPLORATION & PROD	DEVON ENERGY PRODUCTION	TEXACO EXPLORATION ;	TEXACO EXPLORATION & PROD	TEXACO EXPLORATION & PROD	POGO PRODUCING CO	TEXACO EXPLORATION & PROD	OXY USA INC	DEVON ENERGY PRODUCTION	POGO PRODUCING CO	TEXACO EXPLORATION & PROD	OXY USA INC	OXY USA INC
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FTG EW	1896 E	330 E	330 E	1980 W	660 W	660 [°] W	760 W	1980 W	2310 E	1675 E	23 10 E	1980 W	660 W	660 W	1980 W
NS	z	S	S	z	z	z	z	z	z	z	S	S	Ś	S	S
FTG	983	1650	330	660	660	1980	2080	1980	2145	2210	2309	1980	1650	660	660
RANGE	32E	32E	32E	32E	32E	32E	32E	32E	32E	32E	32E	32E	32E	32E	32E
WNSP	25S	255	255	25S	25S	25S	25S	25\$	25S	25S	25S	25S	25S	25S	25S
SEC 1	6	φ	6	10	10	10	9	10	10	10	9	10	9	10	10
STATUS	Plugged	52 Active	34 Plugged	Plugged	63 Plugged	Plugged	66 Plugged	33 Plugged	60 Plugged	02 TA	Plugged	24 Plugged	41 Plugged	06 Plugged	19 Active
WELL_NAME	RAY 9 FEDERAL 001	COTTON DRAW UNIT 0	COTTON DRAW UNIT 0.	E F RAY B NCT-1 003	COTTON DRAW UNIT OF	E F RAY NCT 2 002	COTTON DRAW UNIT 0	COTTON DRAW UNIT 0:	COTTON DRAW UNIT 0	COTTON DRAW UNIT 1(E F RAY B NCT-1 006	COTTON DRAW UNIT 0.	COTTON DRAW UNIT 04	COTTON DRAW UNIT 0	COTTON DRAW UNIT 0.
API	3002535206	3002508169	3002508168	3002508178	3002520120	3002508177	3002522024	3002508174	3002508171	3002537598	3002508172	3002508176	3002508179	3002508170	3002508175

:

3002522024 Target re-entry

Item VII:

- 1. The maximum injected volume anticipated is 5,000 BWPD. Average anticipated is 3,500 BWPD.
- 2. Injection will be through a closed system.
- 3. Maximum injection pressure is expected to be 990 psi.
- 4. Sources will be produced water. These will be compatible with known waters in the disposal zones.
- 5. Water sample analyses from the Pogo Cotton Draw Unit No. 24, Unit K, Sec. 10, T25S-R32E, Lea Co., is shown below, TDS 153,651 mg/l (Source: NM WAIDS):

DÂTA	MAPS CORROSION
	Water Samples for Well COTTON DRAW UNIT 024 API = 3002508176 Formation = DEL Field = PADUCA
Instructions:	
Click	For general information about this sample.
Click	For scale calculation pages (Stiff-Davis or Oddo 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.
CEat 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.
☐ SI Sub	SampleID T R S SO4 CL CO3 HCO3 K Na Ca Mg 4392 25S 32E 10 939 152600 null 112 null null null ELECT/DESELECT ALL mit

Disposal water into this well will be chemically compatible with those in the proposed disposal interval.

API 30-025-22024

Cotton Draw No. 66 2080' FNL & 760' FWL Sec. 10, T25S-R32E Lea County, NM

Item VIII:

Disposal will be into the Delaware Mountain Group (Bell Canyon and Cherry Canyon Formations). The Delaware is comprised predominately of sandstones, and shales. All the Delaware members are interbedded sandstones and shales with occasional dolomite horizons. The lateral transmissivities of the sandstone beds are highly variable and often form selective barriers to the movement of hydrocarbons while allowing down-gradient movement of water. The transmissivity variations are fundamentally due to 1) the very-fine grained nature of the sands and 2) the local percentage of silt and clay. The Delaware sandstone members are typically overlain and underlain by bounding shale, dolomite, and/or silty shale horizons. The depth to the Delaware Mountain Group (top of Lamar) in this well is 4,678'. The top of Brushy Canyon Formation is 7000'. The base of the Delaware (top of Bone Springs Formation) is at 8,600'.

There are no reported fresh, potable or stock water within a 2-mile radius. Records from the New Mexico Office of the State Engineer on 10/1/2011 show no known water wells within the 2-mile radius of the proposed Mesquite SWD disposal well.



New Mexico Office of the State Engineer Water Column/Average Depth to Water

(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) (NAD83 UTM in meters)

No records found.

UTMNAD83 Radius Search (in meters):

Easting (X): 626670

Northing (Y): 3557250

Radius: 3300

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

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WATER COLUMN/ AVERAGE DEPTH TO WATER

The surface geology of the greater area, including the 2-mile radius as shown in Item V above, is Quaternary eolian and piedmont deposits of Holocene to middle Pleistocene age. These are underlain by the Permian Rustler Formation and Permian evaporites. The base of the Rustler Formation is 790', top of the banded anhydrite 790', top of salt 3,085', base of salt 4430'. Base of anhydrite/top of Lamar 4,654' (msl -1174'). 75/8" csg @12,913' cement was circulated to 3,820'.

Item IX:

Acidize open-hole Delaware between 4,950' and approximately 6,904' with 15% HCl as determined initial testing.

Item X:

Logs were run in open hole and are commercially available, but not on file with the OCD.

Item XI:

No water wells located in the 2-mile area surrounding the proposed disposal. 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.

Electric logs showing very low resistivities in porous sandstone zones and sample descriptions of the proposed SWD interval reported only one sample with a very slight hydrocarbon show in the Cotton Draw No. 66 . Similar conditions are found in other wells in the greater area. This demonstrates that the commercial potential for oil and/or gas is absent in the portion of the Delaware to be utilized for SWD.

API 30-025-22024

Plugging diagram of Texaco Cotton Draw Unit No. 66

PLUG AND ABANDON VELL DIAGRAM



Proposed Re-entry and Completion for SWD



API 30-025-22024



SPOT10 Satellite and Matching Topographic Map

From the junction of NM-128 and Lea Co. CR-1 south 4.8 miles and east 500 feet.

0 m

Delorme Xmap6



Item XIII:

Surface and Minerals Owner:

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

Operators:

Chevron USA, Inc. 15 Smith Rd. Midland, TX 79705

Devon Energy Corp. 20 N. Broadway Oklahoma City, OK 73102

OXY USA, Inc. P.O. Box 4294 Houston, TX 77210-4294

BLM Surface Lessee

Mr. Jeff Robbins 301 Orla Rd. Jal, NM 88252 OCD Units in AOR Sec 9, P Sec. 10, D-E

Sec 3, M-N Sec 4, P Sec 9, A-B, G-I, O Sec 10, B-C, J, N-O

Sec 9, H Sec 10, K-N

Legal Notice Publication

Affidavit of Publication

)) ss.

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STATE OF NEW MEXICO COUNTY OF LEA

Joyce Clemens being first duly sworn on oath deposes and says that she is Advertisting Director of THE LOVINGTON LEADER, a thrice a week newspaper of general paid circulation published in the English language at Lovington, Lea County, New Mexico; that said newspaper has been so published in such county continuously and uninterruptedly for a period in excess of Twenty-six (26) consecutive weeks next prior to the first publication of the notice hereto attached as hereinafter shown; and that said newspaper is in all things duly qualified to publish legal notices within the meaning of Chapter 167 of the 1937 Session Laws of the State of New Mexico.

That the notice which is hereto attached, entitled Legal Notice was published in a regular and entire issue of THE LOVINGTON LEADER and not in any supplement thereof, for one (1) day(s), beginning with the issue of October 4, 2011 and ending with the issue of October 4, 2011.

And that the cost of publishing said notice is the sum of \$ 35.01 which sum has been (Paid) as Court Costs.

CURR limens

Joyce Ølemen's, Advertising Manager Subscribed and sworn to before me this 4th day of October, 2011.

Gina Fort Notary Public, Lea County, New Mexico My Commission Expires June 30, 2014

LEGAL NOTICE Mesquite SWD, Inc., c/o Kay Havenor, 904 Moore Ave, Roswell, NM 88201, (575) 626-4518. email: 626-4518, KHavenoregeoresources.com, is seeking approval from the New Mexico Oil Conservation Division to re-enter the Division to re-enter the Texaco, Inc. Cotton Draw Unit Com No. 66 well API: 30-025 1024/ located 2080 feet from the north line and 760 feet from the west line of Section 10, T25S, R32E, Lea County, NM, from the junction of NM-128 and Lea Co. CR-1 south 4.8 miles and east 500 feet, and re-enter for commercial produced water disposal as the Mesquite SWD, Inc. Cotton Draw Unit Com No. 66. The proposed disposal interval is in the Delaware Motintain Group through 7-5/8/cas-ing perforations 4.950 feet to 6,904 feet (OA). Mesquite SWD, Inc plans to disribute of a maximum to dispose of a maximum of 5,000 BWPD at a max imum pressure of 990 psi.

Parties with questions regarding this proposal are urged to contact Kay Havenor at the email address or phone number above. Interested parties must file objections or requests for hearing within 15 cays to the New Mexico Oil Conservation Division, 1220 S. St. Francis Dr., Santa Fe, NM 87505.

Published in the Lovington Leader October 4, 2011.

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Cotton Draw No. 66 2080' FNL & 760' FWL Sec. 10, T25S-R32E Lea County, NM

Certified Mail Receipts



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CERTIFIED MAIL MRECE 8100 影日 JAL M 88252 SE CIA 454B \$1.48 0602 Postage WEL c, Certified Fee \$2.85 60 2000 POGT 2 Return Receipt Fee orsoment Recuired) \$2.30 μĘ stricted Delivery Fee \$0.00 2011 1870 10/04/2014 8 \$6.63 Total Postage & Fees \$ סדטצ Mr. Jeff Robbins Apt. No.; 301 Orla Rd. City, S Jal, NM 88252 PS Form 3800 August 2006

Miss	Row	c-108 C-1	108 disposal application submittals CHECKLIST to ensure all items are supplied or considered.
	+	Oper	rator, Well, and Contact info:
	2	II Name o	of person submitting the application: Kay Havenor Other Contact?
	3	II Did you	u Include a contact Email in the application? Yes and Mailing Address? Yes and Phone? Yes
	4	II Operato	tor Name: Mesquite SWD, Inc. OGRID Num: 161968
	5		5.9 Compliance Number of Inactive Wells 0 vs Total Wells Operated 21 Is financial assurance required on any well? No Violation
	9	Is there	e any hearing order finding this operator out of compliance with Division Rule 19.15.5.9 NMAC? No
	2	Are all F	Rule 5.9 issues OK to allow the Division to issue Disposal Permits?
	ω	III Well Na	lame: Cotton Draw #66
	თ	III API Nur	um: <u>30-025-22</u> 024 Spud Date: 2/20/1967
	10	Have yo	vou included API numbers on all wellbore diagrams and well list(s) in this application? Yes
	11	III Propost	sed wellFootages 2080' FNL & 760' FWL Unit E Sec 10 Tsp 25S Rge 32E County Lea
	12	Genera	al Location (i.e. Y miles NW of Z): From Jct NM-128 & Lea CR-1 south 4.8 miles and east 500'
	13	Current	it Well Status: P&A
	14	I Genera	al Summary of Planned Work to Well: Re-enter, CO to approx 12,000', set 3 CIBP + cmt plugs PB to 7,000'. Perf 4950-6904 (OA). Perf and acidize.
	15	INTE	ERVAL TOP and BOTTOM:
	16	IIIB.(2) Propose	sed disposal Top Depth: 4950' Formation Name: Bell Canyon (include Member Names for Delaware or Mesaverde)
	17	IIIB.(2) Propose	sed disposal Bottom Depth: 6904' Formation Name: Cherry Canyon
	18	IIIB.(2) Is the d	disposal interval OpenHole? or Perfed? Perfs in csg 4950'- 6904'
	19	IIIB.(2) What w	will be the disposal tubing size OD?Packer Seat, Feet:approx 4900'
			· · ·

SWD_Checklist Cotton Draw 66.xlsx/OperatorsCheckList

Page 1 of 4

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10/3/2011/8:19 PM

33 33 33 29 26 26 20 20 20 20 20 33 33 33 33 33 33 33 33 33 33 33 33 33	Row C-108 C
36	Are all existing Logs (including any CBL over the disposal interval) are on the OCD Web Site? No. but are commercially available. If logs no 36 X send
 37	37 IIIA. Are the wellbore diagrams for this well included in the ApplicationBefore Conversion? Yes and After Conversion? Yes

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SWD_Checklist Cotton Draw 66.xlsx/OperatorsCheckList

Page 2 of 4

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SWD_Checklist Cotton Draw 66.xlsx/OperatorsCheckList

Page 3 of 4

10/3/2011/8:19 PM

C-108 disposal application submittals CHECKLIST to ensure all items are supplied or considered.	III Is there any Karst or Massive Limestone in this target formation? Noor in the formations directly above or below? No	Administrative or Hearing:	 How many wells within the 1/2 mile AOR currently are producing (or still have open perforations) within the disposal interval? 	NOTE: If the proposed disposal interval is a "Gas" interval or if any AOR wells are producing or have open perforations within this interval then this application may not be properly classified as a "disposal". These types of applications must be processed at an examiner hearing.	Any other Issues. ?	
v C-10	NII/		⋝			
Miss Ro	56	21	56	26	90	

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SWD_Checklist Cotton Draw 66.xlsx/OperatorsCheckList

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Page 4 of 4

10/3/2011/8:19 PM

Jones, William V., EMNRD

From:Kay Havenor [khavenor@georesources.com]Sent:Friday, October 28, 2011 9:40 AMTo:Jones, William V., EMNRDSubject:Re: Disposal application from Mesquite SWD, Inc.: Cotton Draw #66 30-025-22024 Bell and
Cherry Canyon

Will,

Sorry I did not specifically spell that ownership out. OXY is the owner/operator of the acreage you described below.

Mesquite will have no problem with a bond log or a potential injection survey.

Thank you.

Kay

At 09:14 AM 10/28/2011, you wrote:

Hello Kay,

Most of the lands were covered by defined owners, but I had trouble determining the owners of some. Would you please check to see who owns the Delaware oil and gas rights within:

a. Unit letter J (NW/4 SE/4) of Section 9

b. Unit letters F and G of Section 10

The well may need a bond log run prior to perforating to see where the cement top is located (below the cement stage tool). Apparently cement did not circ below the 4806 foot DV tool.

The proposed interval covers almost 2,000 feet. Depending on what the cement coverage is after the bond log, we may ask Mesquite to run a one-time injection survey.

Regards,

<u>William V Jones, P.E.</u> Engineering, Oil Conservation Division 1220 South St. Francis Drive, Santa Fe, NM 87505 Tel 505.476.3448 ~ Fax 505.476.3462



Injection Permit Checklist (11/15/20170) Permit Date 18 28 306 UIC Otr SWD WFX PMX 140F # 66 # Wells Well Name(s): 4010-2067 New/Old: UIC primacy March 7, 1982) API Num: 30-0 25- 22024 2 Spud Date: Footages 2080 F Unit ESec 10 TSPESS LEA 760Þ Rge 32E County General Location: E SWD, TNC my It avenus Operator: Contact 21 5.9 Compliance (Wells) OGRID: IS 5.9 OK? (Finan Assur) ast morren Current Status: Well File Reviewed Ka-ento 1700 Planned Work to Well: ASIDIZ Diagrams: Before Conversion After Conversion Elogs in Imaging File: Sizes Determination Setting Stage Cement Well Details: Hole.....Pipe Depths Method Sx or Cf Tool 13518 64 YZ. New _____Existing _____Surface っち rec 155 780 ۲¢ New_Existing 83/4 4806 New_Existing LongSt 913 60 12 5 New_Existing Liner 2938 lying Bell C. is Predic barby ew_Existing _ OpenHole **Depths/Formations:** Depths, Ft. Formation Tops? 78 Ŵ Formation(s) Above Bell Max. PSI Injection TOP: OpenHole Perfs Tubing Size 3 2 Packer Depth 4900 Injection BOTTOM: Formation(s) Below] Salado Top/Bot 3085- 4430 Capitan Reef? (Petes -) [WIPP? Noticed? _Wells? _____ Analysis? _____ Affirmative Statement L 8 Fresh Water: Depths: Formation ommercial Doroth **Disposal Fluid Analysis?** Sources: C See 7 Production Potential/Testing: Disposal Interval: Analysis? 9411 Surface Owner Notice: Newspaper Date Mineral Owner(s) RULE 26.7(A) Affected Persons: N Wellbore Diagrams? AOR: Maps? Well List? ι Producing in Interval? TA) Repairs? -WhichWells? Active Wells ..P&A Wells **Repairs?** Which Wells? 2000 into Request Sent Reply: SWD Checklist.xls/ReviewersList 10/4/2011/3:13 PM