District I 1625 N French Dr., Hobbs, NM 88240 District II 1301 W Grand Avenue, Artesia, NM 88210 District III 1000 Rio Biazos Road, Aztec, NM 87410

State of New Mexico Energy Minerals and Natural Resources

Form C-101 June 16, 2008

Oil Conservation Division

JUN 21 2010

☐ AMENDED REPORT

appropriate District Office

1220 South St. Francis Dr. District IV 1220 S St Francis Dr , Santa Fe, NM 87505 Santa Fe, NM 87505 Abr add a zone APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DE OGRID Number Operator Name and Address 161968 P.O. Box 1479, Carlsbad, NM 88221 Mesquite SWD, Inc. APINumber 30 - 015-23728 <sup>5</sup> Property Name Dorstate SWD Well No. Property Code 24734 001 Proposed Pool 10 Proposed Pool 2 96/00 Surface Location UL or lot no Section 1 ownship Range Lot ldn Feet from the North/South line Feet 1:6600m the Dast/West line Eddy 27 25S 28E 1980 Ν 660 Е Н 8 Proposed Bottom Hole Location If Different From Surface Lot Idn Feet from the North/South line East/West line UL or lot no Township Range Feet from the County Section Additional Well Information Well Type Code Cable/Rotary Ground Level Elevation P SWD R 2968 Spud Date Multiple Proposed Depth Formation Contractor 6/21/2010 N PB 3550' Delaware Cavaloz

<sup>21</sup> Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17-1/2	13-3/8_	48	433	550	Circ
12-1/4	8-5/8	24	2557	1700	Circ
7-5/8	4-1/2	11.6	8000	1050	2316

Describe the proposed program If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone Describe the blowout prevention program, if any Use additional sheets if necessary

RU NU BOP. PB current SWD Bone Springs 6412'-6770' w/BP @ 6200' plus 10 sxs cement. WOC 2 hrs then tag plug (est: 5970'). Set CIBP @ 3675' w/10 sxs on top. WOC overnight. Tag cement and cleanout to 3550'. Spot 500 gal acid, perf 4-1/2" csg (OA) 2648'-3500' (net 113'). Acid perfs w/4000 gal 15% HCl. Circ hole w/SW. Run 2-3/8" plastic lined tbg w/Lok-Set pkr @ approx 2585'. Circ above pkr and load hole w/inert fluid. Test. Return to disposál.

Permit Expires 2 Years From Approval Date Unless Driffing Underway Plugbac

SWD-247-A

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

Signature

KAY HAVENOT

Printed name

Kay Havenor

Title

Agent

E-mail Address: KHavenor@georesources.com

Date: 6/21/2010

Phone: 575-622-0283

OIL CONSERVATION DIVISION

Approved by

Expiration Date:06/28/12

Conditions of Approval Attached

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

State of New Mexic Energy Minerals and Natural Resolution

Form C-101 June 16, 2008

Oil Conservation Division JUN 2-1 2610 mit to appropriate District Office 1220 South St. Francis NMOCD ARTESIA

☐ AMENDED REPORT

Mesquite S						ENTER, DI		1, 1 LOOD			
wiesquite 5	Operator Name and Address  Mesquite SWD, Inc.  P.O. Box 1479, Carlsbad, NM 8					·1		161	<sup>2</sup> OGRID Number 1968		
								30 - 015-237	<sup>3</sup> API Number 3728		
³ Prope	Property Code 5 Proper 24734 Dorstate SWD			<sup>5</sup> Property N ate SWD	Name			6 Well No. 001			
	9 Proposed Pool 1					<sup>10</sup> Proposed Pool 2					
					7 Surface	Location					
UL or lot no H	Section 27	Township 25S	Range 28E	Lot ldi		the North/South	ı line	Feet (1660om the	East/West line E	County Eddy	
	لــــــــــــــــــــــــــــــــــــ		<del></del>	posed Bot		ation If Differen	nt From				
UL or lot no	Section	Township	Range	Lot Idi				Feet from the	East/West line	County	
				A	dditional W	'ell Informati	on				
11 Work	Type Code P		12 Well Type Cod SWD						<sup>18</sup> Ground Level Elevation 2968		
la N	fultiple N		Proposed Dept PB 3550'	h	18 Form. Delaw	B.	<sup>19</sup> Contractor Cavaloz		<sup>20</sup> Spud Date 6/21/2010		
17- 12-	17-1/2 12-1/4 8		3-3/8 8-5/8 4-1/2	Casing weight/foot 48 24 11.6		433 2557 8000		550 1700 1050		Estimated TOC Circ Circ 2316	
		l program 1	If this application i	0.5000							
	BOP. PF :: 5970'). acid, per lastic lin	vention prog	gram, if any Use	additional sl	neets if necessary					new productive zone  OC 2 hrs then tag to 3550'. Spot toole w/SW. Run . Test. Return to	
RU NU plug (est 500 gal : 2-3/8" p disposal	• ertify that the	Set CII Set CII f 4-1/2" ed tbg w	gram, if any Use	s Springs w/10 sx 48'-3500 r @ app	neets if necessary is 6412'-6770 is on top. W 0' (net 113'), rox 2585'.	o' w/BP @ 62 OC overnigh Acid perfs v Circ above pk	00' plu nt. Tas w/4000 cr and		nent. WC d cleanout Cl. Circ h inert fluid	OC 2 hrs then tag to 3550'. Spot sole w/SW. Run Test. Return to	
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1220 S St Francis Dr , Santa Fe, NM 87505

## State of New Mexico Energy Minerals and Natural RepreseIVED

Form C-101 June 16, 2008

Oil Conservation Div sion JUN 21 2010 appropriate District Office 1220 South St. Francis Dr.

Santa Fe, NM 8750 NMOCD ARTESIA

☐ AMENDED REPORT

APPLI	CATIO	ON FOR PER  Operator N	MIT TO		E-ENTER	, DEEP		<sup>2</sup> OGRID Numbe			
Mesquite SWD, I	Inc.	P.O.	P.O. Box 1479, Carlsbad, NM 88221					161968 API Number			
<sup>1</sup> Property Co 2473	ode 34		<sup>5</sup> Property Name Dorstate SWD					30 - 015-23728 6 Well No. 001			
<sup>9</sup> Proposed Pool 1					<sup>10</sup> Proposed Pool 2						
				7 Surfac	e Location						
JL or lot no Section Township Range			Lo1		····		Feet 1:660om the	East/West line	A/West line County		
H 27	25			198		N	∖660	Е	Eddy		
		8	Proposed B	ottom Hole Loc	cation If Dif	ferent Fro	m Surface				
UL or lot no Sec	tion To	ownship Range	Lot	Ida Feet ho	m the North	/South line	Feet from the	East/West line	County		
				Additional V	Vell Inform	nation					
Work Type C	Code	12 Well Tyr	e Code	13 (able	/Rotary	ary Ground Level Elevatio					
P		SW		R					2968		
16 Multiple N	:	PB 35		18 Form Dela			<sup>19</sup> Contractor Cavaloz		<sup>20</sup> Spud Date 6/21/2010		
				•							
			<sup>21</sup> Pro	osed Casing	g and Cem	ent Prog	ram				
Hole Size		Casing Size		g weight/foot		Setting Depth Sacks of		ment Estimated TOC			
17-1/2		13-3/8		48		433		550			
12-1/4				24		57	1700		Circ Circ		
7-5/8		4-1/2		11.6	80	00	1050		2316		
		· · · · · · · · · · · · · · · · · · ·									
22 Describe the pro	oposed pro	ogram If this applica	tion is to DEEI	'EN or PLUG BAC	CK, give the da	ta on the pro	esent productive zone	e and proposed ne	w productive zone		
		tion program, if any				·	·		•		
RU NU BOI plug (est: 59 500 gal acid, 2-3/8" plasti disposal.	P. PB c 70'). S , perf 4 c lined	current SWD B Set CIBP @ 36 1/2" csg (OA tbg w/Lok-Se	one Sprin 75' w/10 : ) 2648'-35 i pkr @ ap	gs 6412'-677 sxs on top. V 00' (net 113') prox 2585'.	0' w/BP @ VOC over . Acid pe Circ abov	) 6200' i night. T rfs w/40 e pkr an	olus 10 sxs cei ag cement an 00 gal 15% H d load hole w	ment. WOC d cleanout to Cl. Circ ho inert fluid.	22 hrs then tag 53550'. Spot le w/SW. Run Test. Return to		
1 hereby certify that the information given above is true and complete to the best of my knowledge and belief.					OIL CONSERVATION DIVISION						
Signature	ignature KAY HAVENOV				Approved by						
Printed name		Havenor			Title						
Title	Agen	Agent			Approval Date: Expiration Date:						
E-mail Address:	: KHav	enor@georesource	s.com								
Date: 6/21/2010 Phone: 575-622-0283					Conditions of Approval Attached						