

Submit 3 Copies To Appropriate District Office
District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Ave., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
May 27, 2004

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

WELL API NO.	30-025-09641
5. Indicate Type of Lease STATE ☐ FEE ☒	
6. State Oil & Gas Lease No.	12612
7. Lease Name or Unit Agreement Name	Cooper Jal Unit
8. Well Number	135 w
9. OGRID Number	193003
10. Pool name or Wildcat	JALMAT: Tansill, Yates & 7-Rivers; LANGLEIE MATTIX: 7-Rivers & Queen

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)	
1. Type of Well: Oil Well ☐ Gas Well ☐ Other ☒ Injector DHC	
2. Name of Operator	SDG Resources L. P.
3. Address of Operator	P. O. Box 1390 Montrose, CO 81401
4. Well Location Unit Letter <u> O </u> : <u> 990 </u> feet from the <u> SOUTH </u> line and <u> 1980 </u> feet from the <u> EAST </u> line Section <u> 24 </u> Township <u> 24S </u> Range <u> 36E </u> NMPM LEA County	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) <u> 3,318' KB </u>	
Pit or Below-grade Tank Application ☒ or Closure ☐	
Pit type <u> DIRT </u> Depth to Groundwater <u> 130 </u> feet Distance from nearest fresh water well <u> >1000 </u> feet Distance from nearest surface water <u> >1000 </u> feet	
Pit Liner Thickness: <u> 12 </u> mil Below-Grade Tank: Volume <u> 200 </u> bbls; Construction Material <u> Synthetic </u>	

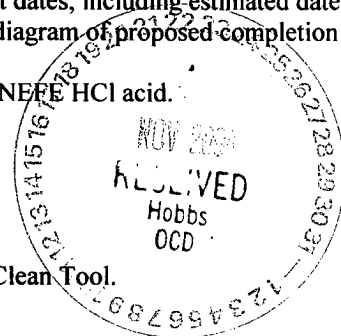
12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK ☐	REMEDIAL WORK ☐
TEMPORARILY ABANDON ☐	ALTERING CASING ☐
PULL OR ALTER CASING ☐	COMMENCE DRILLING OPNS. ☐
PLUG AND ABANDON ☐	P AND A ☐
CHANGE PLANS ☐	CASING/CEMENT JOB ☐
MULTIPLE COMPL ☐	
OTHER: Clean out injector with bit and Acidize. ☒	OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Objective: Clean out Jalmat/Langlie Mattix DHC injector w/bit and Acidize with 4,200 gallons 15% NEFE HCl acid.

1. MIRU Pulling Unit.
2. POOH with 2 3/8" IPC tubing and 5 1/2" x 2 3/8" Baker Model AD-1 tension packer.
3. RIH with 4 3/4" bit & 6 - 3 1/2" drill collars on 2 7/8" work string.
4. Drill out CIBP and clean out well to TD at 3,650'.
5. Wash perfs (3,019'-3,362') and open hole (3,472'-3,650') with surfactant 2% KCl water using Perf-Clean Tool.
6. Acidize perfs (3,019'-3,362') and open hole (3,472'-3,650') with 4,200 gallons 15% NEFE HCl acid.
7. POOH with 2 7/8" work string and lay down Perf-Clean Tool.
8. RIH with 5 1/2" x 2 3/8" Baker Model AD-1 Tension packer to 2,925'; circulate annulus with inhibited packer fluid.
9. Set packer and test annulus to 500 psig for 30 minutes. Pull chart for NMOCD.
10. Place well on injection at approximately 260 bwpd.
11. Maximum permitted injection pressure is 600 psig.
12. Fold Pit Liner inward, cover with 20 mil liner and cover with top soil.



I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☒ a general permit ☐ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE Domingo Carvajales TITLE Senior Petroleum Engineer DATE 11/22/04

Type or print name
For State Use Only

E-mail address: Domingo@sdgresources.com Telephone No. 432-550-7580

OC FIELD REPRESENTATIVE II/STAFF MANAGER

NOV 2 9 2004

APPROVED BY: Larry W. Wink TITLE _____ DATE _____

Conditions of Approval (if any):

WELLBORE SCHEMATIC AND HISTORY					
CURRENT COMPLETION SCHEMATIC		LEASE NAME			
Surface Csg Hole Size: 11 in Csg. Size: 8 5/8 in Set @: 290 ft Sxs Cmt: 125 Circ: Yes TOC @: surf TOC by: circ TOC @ 2728' By CBL Production Csg. Hole Size: 7 7/8 in Csg. Size: 5 1/2 in Set @: 3472 ft Sxs Cmt: 400 Circ: No TOC @: 2728 f / surf TOC by: CBL OH Interval 3472 - 3650' PBTD: 3530 ft TD: 3650 ft Fill at 3524' CIBP pushed into OH to 3530' OH ID: 4 3/4 in		Cooper Jal Unit			
		STATUS: Active Water Injector		WELL NO. 135 WIW	
		LOCATION: 990 FSL & 1980 FEL, Sec 24, T - 24S, R - 36E, Lee County, New Mexico		API# 30-025-09641	
		SPUD DATE: TD 3650 KB 3,318' DF		INT. COMP. DATE: 03/01/54 PBTD 3530 GL 3,312'	
		ELECTRIC LOGS: Micro Laterolog (2-23-54 Schlumberger) GR-CNLL (8-25-86 Dresser Atlas) GR-VDR-CBL (8-25-86 Dresser Atlas)		GEOLOGICAL DATA CORES, DST'S or MUD LOGS:	
HYDROCARBON BEARING ZONE DEPTH TOPS:					
CASING PROFILE					
SURF. 8 5/8" - 28# J-55 set @ 290' Cmt'd w/ 125 sxs - circ cmt to surf.					
PROD. 5 1/2" - 14# J-55 set @ 3472' Cmt'd w/ 400 sxs - TOC @ 2728' from surf by cement bond log.					
LINER None					
CURRENT PERFORATION DATA					
CSG. PERFS: 3019', 22, 24, 26, 28, 30, 32, 34, 43, 45, 47, 49, 56, 59, 62, 70, 72, 74, 76, 82, 93, 97, 3102', 06, 09, 16, 27, 30, 38, 45, 51, 56, 65, 70, 76, 83, 90, 94, 3201', 03, & 10 w/ 2 spf (84 holes total) 3285' - 3302' & 3358 - 62' w/ 1 spf (21 holes total)		OPEN HOLE: 3472 - 3650'			
TUBING DETAIL 4/5/1999		ROD DETAIL			
<u>Length (ft)</u> 6.00 KB 2916.00 90 jts - 2 3/8" 4.7#, CL, J-55, 8rd EUE tbg. 3.00 1- 5 1/2" x 2 3/8" Baker Model AD-1 packer 2925.00 btm					
WELL HISTORY SUMMARY					
1-Mar-54 Initial completion interval: 3472 - 3575' (7 RVR5/Queen OH). Natural completion. IP= 61 bopd, 0 bwppd, & 72 Mcgppd (flowing) 9-Sep-54 Frac w/ 4,000 gals lse oil & 4,000#s sand. 15-Jun-73 Placed well on rod pump. 8-Oct-74 C/O fill to 3575'. Jetwash OH 3472 - 3575' 11-Feb-75 Tagged for fill - No fill. 29-Aug-86 C/O OH 3480 - 3575' (95' fill). Deepened to 3650'. Ran CBL, TOC @ 2728'. Acdd'd OH (3472 - 3650') w/ 2,000 gals; Frac w/ 34,000 gals X-L gel carrying 80,000#s 12/20 sand in 2 equal stages. Max sand concentration of 7 ppg. C/O to 3650'. Perf (Jalmat) 3019 - 3210' w/ 2 spf, (84 holes total) & 3285 - 3362' w/ 1 spf (21 holes total). Acdd'd all open perfs w/ 2,000 gals; Frac w/ 30,000 gals X-L gel carrying 50,000#s 12/20 sand in 2 equal stages using rock salt diversion. Max sand concentration 7 ppg. C/O to 3650'. Lost RBP in OH. Top @ 3630'. CONVERTED TO COMINGLED DOWNHOLE INJECTOR. (Jalmat & Langlie Mattix) 13-Feb-87 C/O OH fill from 3472 - 3524' (52' fill). PBTD @ 3524'. 9-Sep-87 C/O OH fill from 3495 - 3524' (29' fill). PBTD @ 3524'. 22-Jul-88 C/O OH fill from 3475 - 3524' (49' fill). PBTD @ 3524'. 15-Nov-93 Replaced 2 jts tbg & rod pmp. Placed well on production. 9-Jan-94 Ran 91 jts - 2 3/8" tbg & pkr. Set pkr @ 2956'. 5-Dec-94 LD rods & pmp (junk). C/O to 3524' (scale & formation) Tagged solid @ 3524'. Acdd'd perfs & OH w. 8,400 gals 20% NEFE HCL mixed with 170 gals xylene using 5,600#s rock salt generating 8 stages. AIR=3 bpm PM=500 - 126 psi. ISIP = 280 psi. P5min = vacuum. Ran 2 3/8" CL tbg & pkr. Set pkr @ 2956'. Inject @ 933 bwppd, TP=vacuum. 2-Apr-99 Reset pkr @ 2925'. Tst csg & pkr @ 500 psi. OK. Initiate injection @ 580 bwppd, TP=580 psi. 14-Feb-02 Tag TD using SL unit (1 1/4" x 5' sinker bar). Tag fill @ 3524' (137' of fill)					
PREPARED BY:		UPDATED:			
Larry S. Adams		20-May-04			