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

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

Form C-103
May 27, 2004

WELL API NO. 30-025-09646
5. Indicate Type of Lease STATE ☐ FEE ☒
6. State Oil & Gas Lease No. 141560

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

7. Lease Name or Unit Agreement Name: Cooper Jal Unit
1. Type of Well: Oil Well ☐ Gas Well ☐ **Other** ☒ **Injector**
8. Well Number 224 w
2. Name of Operator: SDG Resources L. P.
9. OGRID Number 193003
3. Address of Operator: P. O. Box 1390, Montrose, CO 81401
10. Pool name or Wildcat JALMAT: Tansill, Yates & 7-Rivers

4. Well Location
Unit Letter C : 330 feet from the NORTH line and 2310 feet from the WEST line
Section 25 Township 24S Range 36E NMPM LEA County

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)* 3,309' KB

Pit or Below-grade Tank Application ☒ or Closure ☐
Pit type DIRT Depth to Groundwater ~~250~~ 120' feet Distance from nearest fresh water well >1000 feet Distance from nearest surface water >1000 feet
Pit Liner Thickness: ~~300~~ 12 mil Below-Grade Tank: Volume 200 bbls; Construction Material Synthetic

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPNS. ☐	P AND A ☐
PULL OR ALTER CASING ☐	MULTIPLE COMPL ☐	CASING/CEMENT JOB ☐	
OTHER: Clean out injector w/Coiled Tubing 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 injector w/Coiled Tubing and Acidize with 4,000 gallons 15% NEFE HCl acid.

1. MIRU Coiled Tubing Unit.
2. RIH 1 ¼" Perf-Clean Tool on 1 ¼" coil tubing to 2,896'.
3. Energize Tool and clean out open hole 2,970'-3,230' with surfactant water.
4. Acidize open hole 2,970'-3,230' with 4,000 gallons 15% NEFE HCl acid.
5. POOH with coiled tubing and rig down Perf-Clean Tool.
6. RD Coiled Tubing Unit.
7. Place well on injection at approximately 270 bwpd.
8. Maximum permitted injection pressure is 600 psig.

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 Carrejo TITLE Senior Petroleum Engineer DATE 11/10/04

Type or print name E-mail address: dcarrejo@sdgresources.com Telephone No. 432-550-7580

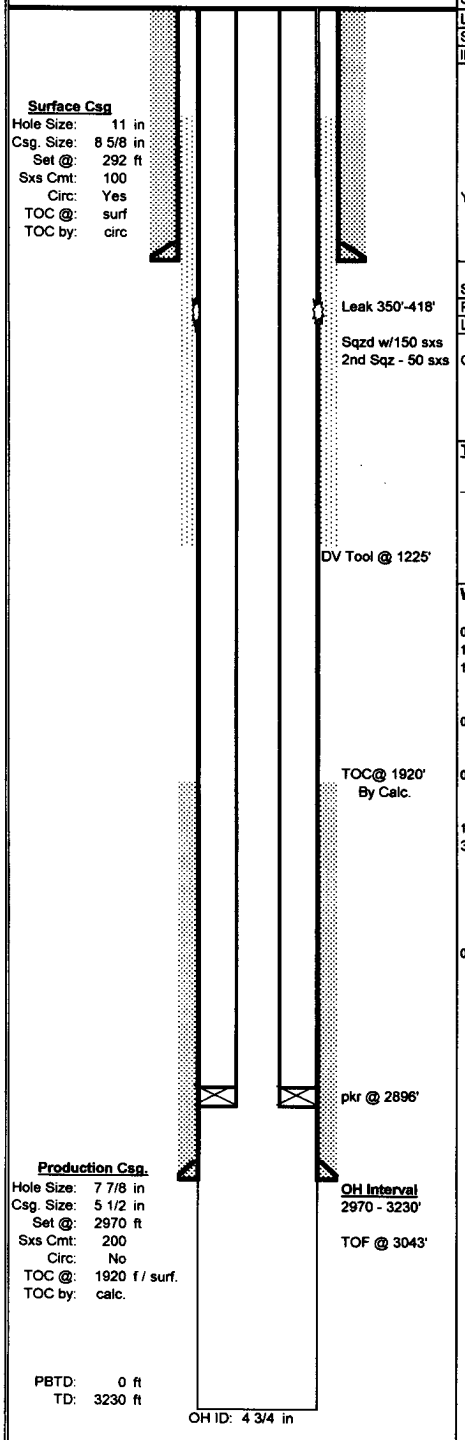
For State Use Only

APPROVED BY: Gary W. Wink TITLE FIELD REPRESENTATIVE II/STAFF MANAGER DATE NOV 22 2004

Conditions of Approval (if any):

WELLBORE SCHEMATIC AND HISTORY

CURRENT COMPLETION SCHEMATIC



LEASE NAME	**Cooper Jal Unit**			WELL NO.	**224 W**
STATUS:	Active	Water Injector		API#	30-025-09646
LOCATION:	330 FNL & 2310 FWL, Sec 25, T - 24S, R - 36E; Lee County, New Mexico				
SPUD DATE:		TD 3230	KB 3,309'	DF	
INT. COMP. DATE:	06/02/50	PBTD	GL		

GEOLOGICAL DATA

ELECTRIC LOGS:

CORES, DST'S or MUD LOGS:

HYROCARBON BEARING ZONE DEPTH TOPS:

Yates @ 3010'

CASING PROFILE

SURF.	8 5/8" - 28#, J-55 set@ 292' Cmt'd w/100 sxs - circ cmt to surf.
PROD.	5 1/2" - 14#, J-55 set@ 2970' Cmt'd w/200 sxs - TOC @ 1920' f/ surf by calc. DV tool @1225' - pmp 200 sxs - TOC@ 140' f/ surf by calc.
LINER	None

CURRENT PERFORATION DATA

CSG. PERFS:

OPEN HOLE :
2970 - 3230'

TUBING DETAIL 12/12/1997

Length (ft)		Detail
12		KB (as used in 10-17-88 workover)
2874	94	2 3/8" 4.7#, CL, J-55, 8rd EUE tbg.
3	1	5 1/2" x 2 3/8" Baker PC, AD-1 packer
2889		

ROD DETAIL

WELL HISTORY SUMMARY

02-Jun-50	Initial completion **2970 - 3230' (Yates/ 7 RVRS OH):** No stimulation. **IP=52 bopd, 0 bwpd, & 0 Mcfgpd. (flowing)**
16-Jun-71	**CONVERTED WELL TO INJECTOR.**
14-May-89	Found casing leak at 350'-418'. Squeezed with 150 sxs Class H neat cement. Pmax=1035 psig, AIR=2 bpm. Second squeeze (350'-418'): 50 sxs Class C w/4% calcium, Pmax=750 psig. Clean out open hole with side jet. Acidized with 4,000 gallons 15% HCl acid. Pulled MIT - 300 psig.
09-Jul-93	C/O fill (paraffin & iron sulfied) from 3085 - 3235'. Jet wash across OH twice. Acdz'd OH (2970 - 3230') w/ 4,200 gals 15% HEFE HCL, 200 bbls Chloride-dioxide, & 42 gals citric acid using 1000# mesh salt to divert. AIR=3 bpm @ 1025 psi. ISIP=967 psi. Ran pkr on 2 3/8" CL tbg. Set pkr @ 2881'. Tst csg. Ok. **Initiated injection @ 168 bwpd, TP=680 psi.**
08-Dec-97	C/O fill from 3052 - 3230' (78'). Ran sonic hammer tool and acid wash OH (2970 - 3230') w/ 130 bbls produced water. Ran pkr and acdz'd OH w/ 3,800 gals 15 % NEFE HCL in 3 stages using 1000#'s rock salt between each stage. AIR=4 bpm @ 1232 psi. Ran pkr on 2 3/8" CL tbg. **Set pkr @ 2896'.** Tst csg. Ok. **Initiated injection @ 400 bwpd.**
14-Feb-02	Tag TD using SL unit (1 1/4" x 5' sinker bar). **Tag fill @ 3043' (187' of fill).**
30-Aug-04	POOH with 2 3/8" IPC tubing and 5 1/2" x 2 3/8" Baker. RIH with 4 3/4" bit , 6 -3 1/2" drill collars on 2 7/8" work string. **Cleaned to 3230'.** Laid down BHA. RIH with 5 1/2" x 2 7/8" Full Bore Pkr to 2883'. Set packer and test backside to 500#. Lost 80# in 2 minutes. Dropped standing valve, test tubing to 500# - lost 100# in 5 minutes. POOH with Full Bore packer. RIH with 5 1/2" x 2 3/8" Baker Model AD-1 packer on 2 3/8" IPC tubing to 610'. Test casing leak to 450# - lost 70# in 30 minutes. Moved and set set packer two more time - lost pressure each time. Hydrotest 2 3/8" IPC tubing to 6000# except the top 20 joints due scale built up. **Set packer at 2892'** - test annulus to 400# - lost 30# in 30 minutes.
07-Sep-04	Ran MIT at 420 psig for 30 minutes - held. Pulled pressure chart for NMOCD. Placed well on injection: **300 BWPD at 600 psig.**

PREPARED BY:	Larry S. Adams	D. Carrizales	UPDATED:	08-Sep-04