Form 3160-5
(April 2004)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OPERATOR'S COPY

New number

FORM APPROVED
OMB No. 1004-0137
Expires: March 31, 2007

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE- Other instructions on reverse side.

5. Lease Serial No. ~~NM 0321613~~ NM 12612
6. If Indian, Allottee or Tribe Name
7. If Unit or CA/Agreement, Name and/or No. **Cooper Jal Unit** NM 70962X
8. Well Name and No. **208**
9. API Well No. **30-025-~~11137~~** 11158
10. Field and Pool, or Exploratory Area **JALMAT / LANLIE MATTIX**
11. County or Parish, State **LEA**

1. Type of Well: ☒ Oil Well ☐ Gas Well ~~☐~~ Other
2. Name of Operator **SDG Resources L. P.**
3a. Address **P. O Box 1390 Montrose, CO 81401**
3b. Phone No. *(include area code)* **432-550-7580**
4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
2310 feet FNL, 1650 feet FWL Sec 19, Township 24S, Range 37E

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☑ Notice of Intent	☑ Acidize	☑ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☑ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other **Deepen and acidize Fracture Stimulate**
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Objective: Deepen Jalmat producer from 3,340' to 3,790', add perforations, acidize and fracture stimulate. Complete as Jalmat/Langlie Mattix.

1. **MIRU Pulling Unit. POOH with rods, pump and tubing sting.**
2. **RIH with 4 3/4" bit & 6 - 3 1/2" drill collars on 2 7/8" work string. Fish Global Basket (4 3/4" x 9") at 3,180'.**
3. **Deepen well to new TD at 3,790'. Lay down bit and drill collars.**
4. **RU Wireline Company. Run Compensated Neutron Log from TD to 2500'.**
5. **RIH with Perf-Clean Tool on 2 7/8" work string.**
6. **Acidize open hole (2,956'-3,790') with 5,000 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" treating packer on 3 1/2" work string.**
9. **Fracture stimulate open hole with 120,000# 12/20 mash sand in 4 stages. Divert with rock salt.**
10. **POOH and lay down 3 1/2" work string.**
11. **Clean out well to new TD with sand bailer. Lay down bailer and 2 7/8" work sting.**
12. **RIH with 2 7/8" production sting, pump and rods. Place werll on production. Turn over to operations.**
13. **Fold Pit Liner inward, cover with 20 mil liner and cover with top soil. File Form C144 with NMOCD.**

APPROVED
DEC - 6 2004
GARY GOURLEY
PETROLEUM ENGINEER

APPROVED FOR 3 MONTH PERIOD
ENDING ~~12-6-04~~ 3-6-05

14. I hereby certify that the foregoing is true and correct
Name *(Printed/Typed)* **Domingo Carrizales** Title **Sr. Petroleum Engineer**
Signature Domingo Carrizales Date **11/29/2004**

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by _____ Title _____ Date _____

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. Office

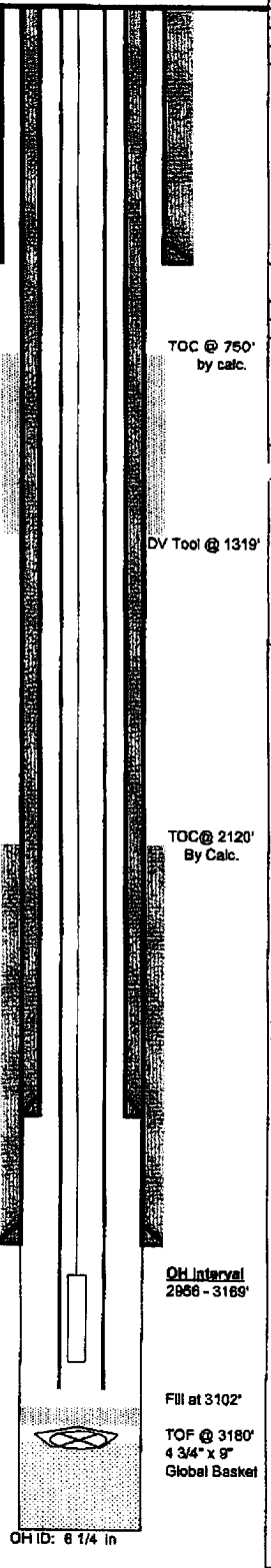
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

GWW

WELLBORE SCHEMATIC AND HISTORY

CURRENT COMPLETION SCHEMATIC



LEASE NAME	Cooper Jal Unit			WELL NO.	208
STATUS:	Active	Oil		API#	30-025-11158
LOCATION:	2310 FNL & 1650 FWL, Sec 19, T - 24S, R - 37E; Lee County, New Mexico				
SPUD DATE:		TD 3340	KB 3,310'	DF	
INT. COMP. DATE:	05/09/50	PBTD 3340	GL 3,293'		

GEOLOGICAL DATA

ELECTRIC LOGS:

None Listed

CORES, DST'S or MUD LOGS:

HYROCARBON BEARING ZONE DEPTH TOPS:

Tansill @ 2956'
Yates @ 3006'

CASING PROFILE

SURF.	10 3/4" - 40#, J-55 set@ 304' Cmt'd w/75 sxs - circ cmt to surf.
PROD.	7" - 20#, J-55 set @ 2956' Cmt'd w/200 sxs - TOC @ 1740' f surf by calc. DV tool @1319' - pmp 100 sxs - TOC@ 750' f surf by calc.
LINER	5 1/2" - 15.35#, K-55 set from surface - 2827'. Cmt'd w/275 sxs - circulated cmt to surface.

CURRENT PERFORATION DATA

CSG. PERFS:

OPEN HOLE :
2956 - 3169'

TUBING DETAIL 6/29/2004

Length (ft)		Detail
2703	87	2 3/8" 4.7#, J-55, 8rd EUE tbg.
3	1	5 1/2" x 2 3/8" TAC
310	10	2 3/8" 4.7#, ICO 505 IPC, J-55, 8rd
1	1	2 3/8" SN
32	1	2 3/8" Mud Anchor
3049		

TAC at 2703' w/ 16,000# Tension

ROD DETAIL 6/30/2004

Length (ft)		
14	1	1 - 16' x 1 1/4" polish rod w/10' - 1 1/2" polish rod liner
12	2	6' x 6' - 7/8" D ponyrods
1025	41	42 - 7/8" D rods
1800	72	72 - 3/4" D rods
150	6	6 - 1 1/4" sinker bars
1	1	1" x 1" Spiral Guide
16	1	2" x 1 1/4" X 16' HHBC rod pump w/10' GA
3018		

WELL HISTORY SUMMARY

9-May-50	Initial completion 2956 - 3169' (Yates OH). No stimulation. IP=109 bopd, 0 bwpd, & 200 Mcfgpd (flowing) FTP=600 psi.
5-Jan-73	Swabbed well.
16-Jan-73	Installed Rod pumping system. Tagged fill @ 3100'. No C/O.
6-May-75	C/O fill from 3060 - 3169' (109')
8-Apr-78	C/O fill from 3000 - 3169' (168'). Acdz'd OH w/1,500 gals & Frac'd w/30,000 gals carrying 30,000#'s 20/40 sand & 9,000#'s 10/20 sand.
27-Apr-88	C/O fill from 3034 - 3167' (133')
6-Aug-88	Isolated leak in 7" csg from 295 - 740'. Perfd squ holes in csg from 600 - 734'. Cmt squ'd bad 7" csg from 2995 - 734' w/110 sxs.
10-Oct-88	Installed 5 1/2" liner from surface to 2827' and cmt'd in-place. C/O & sidejet OH to 3167'. Acdz'd OH w/5,000 gals 2% MA.
21-Feb-89	C/O fill from 3124 - 3167' (43'). After WO: 33 bopd, 42 bwpd, & 9 Mcfgpd.
20-Dec-93	C/O fill & bridges from 3040 - 3169' (129'). Deeped w/ 4 3/4" bit to 3340'. Left fish in hole w/TOF @ 3174'. (Fish is 4 3/4" x 9" globe basket).Returned well to productbn. After WO: 12 bopd, 83 bwpd, & 25 Mcfgpd.
18-Feb-94	Repaired rod part. Changed out 67 - 3/4" rod boxs & pmp. Returned well to production.
24-Feb-94	Repaired rod part. Changed out 1 - 3/4" rod box Returned well to production.
2-Mar-94	Rod part. Replaced 62 rods and all rod boxes. Tst tbg to 500 psi. OK. Returned well to production.
22-Apr-94	Replaced rod pmp.
16-May-94	Replaced 2 jts tbg. Returned well to production.
1-Feb-00	Replaced 1 jt tbg. Returned well to production.
21-Oct-02	Pull out of hole with rods, pump, & tubing. Hydrotest tubing in hole, laid down 41 bad jts. Placed on pump.
29-Jun-04	POOH and laid down 7- 7/8" D and 37 - 3/4" K rodsdue to severe pitting. Laid down all 7/8" D rods due to H2S environment. Tagged fill at 3102'. Hydrotest tubing in hole to 6000# - burst 91st and 86th joints, collar leak on 65th joint. RIH with pump and rods. PWOP.

PREPARED BY:	Larry S. Adams D. Carrizales	UPDATED:	07-Jul-04

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
rgy, 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-~~H137~~ 11198
	5. Indicate Type of Lease STATE ☐ FEE ☐ Fed
	6. State Oil & Gas Lease No. NM0321613
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 208
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; LANGLIE MATTIX: 7-Rivers, Queen & Grayburg

4. Well Location
Unit Letter P : 2310 feet from the NORTH line and 1650 feet from the WEST line
Section 19 Township 24S Range 37E NMPM LEA County

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)* 3,310' KB

Pit or Below-grade Tank Application ☒ or Closure ☐

Pit type_DIRT_ Depth to Groundwater_130 feet_ Distance from nearest fresh water well_>1000 feet_ Distance from nearest surface water_>1000 feet

Pit Liner Thickness: 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: Deepen, Acidize and Fracture Stimulate. Pit ☒		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: Deepen producer from 3,587' to 3,790'and complete as DHC Jalmat/Langlie Mattix: acidize, and fracture stimulate.

1. MIRU Pulling Unit. POOH with rods, pump and 2 7/8" tubing string.
2. Recover Fish (4 ¾" x 9" Global Basket). RIH with 4 ¾" bit & 6 - 3 ½" drill collars on 2 7/8" work string.
3. RIH with 4 ¾" bit & 6 – 3 ½" drill collars. Deepen well from 3,340' to new TD at 3,790'. Lay down bit and drill collars.
4. RU Wireline. Run Compensated Neutron from TD to 2500'. RIH with Perf-Clean Tool on 2 7/8" work string.
5. Acidize Open Hole (2,956'-3,790') with 5,000 gallons 15% NEFE HCl acid.
6. POOH with 2 7/8" work string and lay down Perf-Clean Tool.
7. RIH with 5 ½" treating packer on 3 ½" work string.
8. Fracture stimulate open hole with 120,000# 12/20 sand. Divert in 4 stages using rock salt.
9. POOH and lay down 3 ½" work string and packer.
10. Clean out well to new TD with sand bailer on 2 7/8" work string. Lay down bailer and 2 7/8" work string.
11. RIH 2 7/8" production string, pump and rods. Place well on production. Turn over to operations.
12. Fold Pit Liner inward, cover with 20 mil liner and cover with top soil. File Form C144 with NMOCD.

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 ☐.** pit 12-17-04

SIGNATURE Domingo Carrejales TITLE Senior Petroleum Engineer DATE 11/23/04

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

For State Use Only

APPROVED BY: Gary W. Wink OC FIELD REPRESENTATIVE II/STAFF MANAGER DATE DEC 28 2004

Conditions of Approval (if any):