

12-13-04 DATE IN	SUSPENSE	Jones ENGINEER	7-14-04 LOGGED IN	DHC TYPE	DSM0434929567 APP NO.
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ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

1220 South St. Francis Drive, Santa Fe, NM 87505



ADMINISTRATIVE APPLICATION CHECKLIST

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

Application Acronyms:

[NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]
[DHC-Downhole Commingling] [CTB-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 ☐ NSP ☐ 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 ☐ SWD ☐ IPI ☐ EOR ☐ PPR

[D] Other: Specify _____

[2] NOTIFICATION REQUIRED TO: - Check Those Which Apply, or ☐ Does Not Apply

[A] ☐ Working, Royalty or Overriding Royalty Interest Owners

[B] ☐ Offset Operators, Leaseholders or Surface Owner

[C] ☐ Application is One Which Requires Published Legal Notice

[D] ☐ Notification and/or Concurrent Approval by BLM or SLO
 U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office

[E] ☐ For all of the above, Proof of Notification or Publication is Attached, and/or,

[F] ☐ Waivers 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.

Print or Type Name

Signature

Title

Date

e-mail Address

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

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-107A
Revised June 10, 2003

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

APPLICATION TYPE
Yes Single Well
Yes Establish Pre-Approved Pools
EXISTING WELLBORE
X Yes No

APPLICATION FOR DOWNHOLE COMMINGLING

SDG Resources P. O. Box 1390 Montrose, CO 81401

Operator Cooper Jal Unit # 106 Address H 18 24-S 37-E Lea
Lease Well No. Unit Letter-Section-Township-Range County
OGRID No. 193003 Property Code 10917 API No. 30-025-11137 Lease Type: Federal State Fee X

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	JALMAT		LANGLIE MATTIX
Pool Code	79240		37240
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	3,324'-3,350'		3,350'-3,780'
Method of Production (Flowing or Artificial Lift)	Pumping		
Bottomhole Pressure (Note: Pressure data will not be required if the bottom perforation in the lower zone is within 150% of the depth of the top perforation in the upper zone)			
Oil Gravity or Gas BTU (Degree API or Gas BTU)	35.7 Degree API		35.7 Degree API
Producing, Shut-In or New Zone	Producing		New Zone
Date and Oil/Gas/Water Rates of Last Production. (Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data.)	Date: 12/03/04 Rates: 1/16/4	Date: Rates:	Date: Rates:
Fixed Allocation Percentage (Note: If allocation is based upon something other than current or past production, supporting data or explanation will be required.)	Oil Gas 94 % 71 %	Oil Gas % %	Oil Gas 6% 29 %

ADDITIONAL DATA

Are all working, royalty and overriding royalty interests identical in all commingled zones? Yes X No
If not, have all working, royalty and overriding royalty interest owners been notified by certified mail? Yes No
Are all produced fluids from all commingled zones compatible with each other? Yes X No
Will commingling decrease the value of production? Yes No X
If this well is on, or communitized with, state or federal lands, has either the Commissioner of Public Lands or the United States Bureau of Land Management been notified in writing of this application? Yes No X
NMOCD Reference Case No. applicable to this well:

Attachments:
C-102 for each zone to be commingled showing its spacing unit and acreage dedication.
Production curve for each zone for at least one year. (If not available, attach explanation.)
For zones with no production history, estimated production rates and supporting data.
Data to support allocation method or formula.
Notification list of working, royalty and overriding royalty interests for uncommon interest cases.
Any additional statements, data or documents required to support commingling.

PRE-APPROVED POOLS

If application is to establish Pre-Approved Pools, the following additional information will be required:

List of other orders approving downhole commingling within the proposed Pre-Approved Pools
List of all operators within the proposed Pre-Approved Pools
Proof that all operators within the proposed Pre-Approved Pools were provided notice of this application.
Bottomhole pressure data.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.
SIGNATURE Domingo Carrizales TITLE Sr. Petroleum Engineer DATE 12/09/04
TYPE OR PRINT NAME Domingo Carrizales TELEPHONE NO. (432) 550-7580
E-MAIL ADDRESS domingo@sdgresources.com

District I
1625 N. French Dr., Hobbs, NM 88240
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1000 Rio Brazos Road, Aztec, NM 87410
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1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources
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Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-101
Revised June 10, 2003

Submit to appropriate District Office
State Lease - 6 Copies
Fee Lease - 5 Copies

**OIL CONSERVATION
DIVISION**

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

¹ Operator Name and Address SDG Resources L. P. P. O. Box 1390 Montrose, CO 81401		² OGRID Number 193003
		³ API Number 30 - 025-11137
³ Property Code 10917	⁵ Property Name Cooper Jal Unit	⁶ Well No. 106

⁷ Surface Location

UL or lot no	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	18	24-S	37-E		1980	NORTH	660	EAST	Lea

⁸ Proposed Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
⁹ Proposed Pool 1 JALMAT - 3,324'-3,350'						¹⁰ Proposed Pool 2 LANGLIE MATTIX - 3,340'-3,780'			

¹¹ Work Type Code N	¹² Well Type Code O	¹³ Cable/Rotary R	¹⁴ Lease Type Code FEE	¹⁵ Ground Level Elevation 3,302' K. B.
¹⁶ Multiple No	¹⁷ Proposed Depth 3,780'	¹⁸ Formation TNSL-YTS-7RV-QUN	¹⁹ Contractor GREAT BASIN WELL SERVICE	²⁰ Spud Date Orig 4/02/46

²¹ Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC

²² 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.

Objectives: Deepen Jalmat producer and complete as a DHC (Jalmat/Langlie Mattix) producer. Acidize and Fracture Stimulate.

1. Use Sentinel Manual BOP rated at 5,000 psig.

2. Recover 4 1/2" Liner and deepen well from 3,587' to 3,780".

3. Acidize Yates, 7-Rivers and Queen zones with 3,000 gallons. Fracture Stimulate with 120,000# 12/20 mesh sand.

4. Down hole commingle Jalmat and Langlie Mattix zones.

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

Signature: 

Printed name: Domingo Carrizales

Title: Sr. Petroleum Engineer

E-mail Address: domingo@sdgresources.com

Date: 12/09/04

Phone: 432-550-7580

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date:

Expiration Date:

Conditions of Approval:

Attached ☐

District I
1625 N. French Dr., Hobbs, NM 88240

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State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised June 10, 2003
Submit to Appropriate District Office
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☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-11137	² Pool Code 33020	³ Pool Name JALMAT: YATES, 7RVRS
⁴ Property Code 10917	⁵ Property Name Cooper Jal Unit	⁶ Well Number 106
⁷ OGRID No. 193003	⁸ Operator Name SDG Resources L. P. P. O. Box 1390 Montrose, CO 81401	⁹ Elevation 3,302' K. B.

¹⁰ **Surface Location**

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	18	24S	37E		1980	NORTH	660	EAST	Lea

¹¹ **Bottom Hole Location If Different From Surface**

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

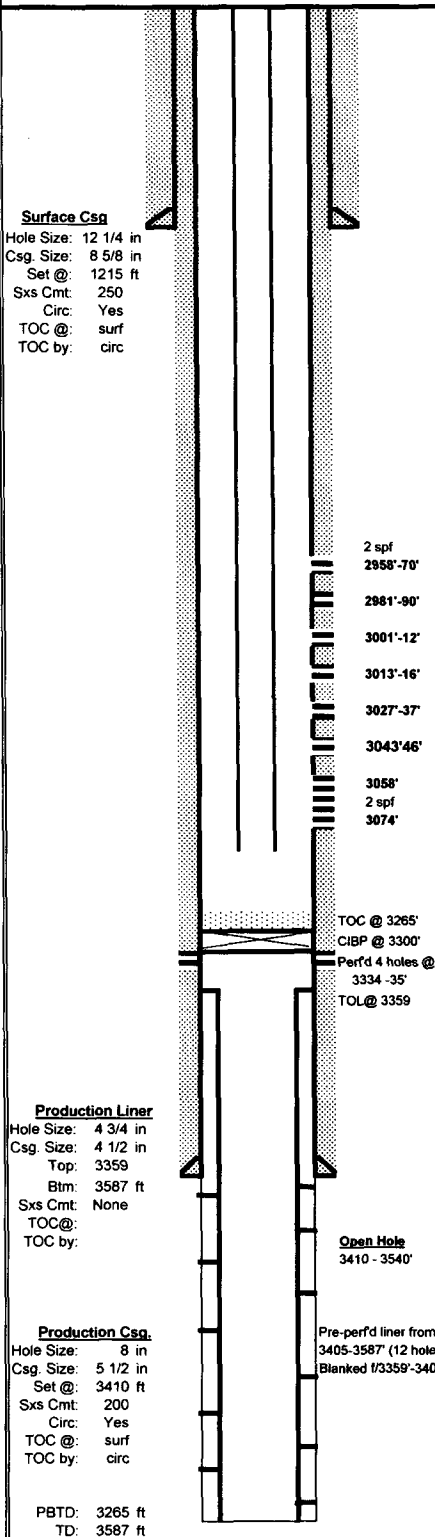
¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

¹⁸ 	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Signature Domingo Carrizales Printed Name Sr. Petroleum Engineer domingo@sdgresources.com Title and E-mail Address 12/09/04 Date	
	¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.	
	Date of Survey Signature and Seal of Professional Surveyor:	
	Certificate Number	

WELLBORE SCHEMATIC AND HISTORY

CURRENT COMPLETION SCHEMATIC



LEASE NAME				Cooper Jal Unit				WELL NO.		106	
STATUS:		Active		Gas		AP#		30-025-11137			
LOCATION:		1980 FNL & 680 FEL, Sec 18, T - 24S, R - 37E, Lee County, New Mexico									
SPUD DATE:		04/02/46	TD	3587	KB	3,302'	DF	3,301'			
INT. COMP. DATE:		05/26/46	PBTD	3265	GL	3,204'					

GEOLOGICAL DATA

ELECTRIC LOGS: GR-CCL-MSG-CBL from 3188 - 2900' (3-21-96 Halliburton)

HYDROCARBON BEARING ZONE DEPTH TOPS:
Yates @ 2915'
Seven Rivers @ 3350'

CASING PROFILE

SURF. 8 5/8" - 28#, J-55 set @ 1215' Cmt'd w/250 sxs - circ cmt to surf.
PROD. 5 1/2" - 14#, J-55 set @ 3410' Cmt'd w/200 sxs - circ cmt to surf.
LINER 4 1/2" - 16.6#, FJ liner set from 3359 - 3587' w/12 - 3/8" holes from 3405 - 3587. Not cmt'd.

CURRENT PERFORATION DATA

CSG. PERFS: 2958 - 70', 2981 - 90', 3001 - 12', 3013 - 16', 3027 - 37', 3043 - 46', 3058 - 74' w/ 2 spf (142 - 0.46" dia holes)
OPEN HOLE: 3410 - 3540'
Isolated w/ CIBP @ 3300'

TUBING DETAIL

Length (ft)	Detail
2920 93 jts - 2 3/8" 4.7#, J-55, 8rd EUE tbq.	
3 1 - 2 3/8" x 5 1/2" TAC	
190 6 jts - 2 3/8" 4.7#, J-55, 8rd EUE tbq.	
1 1 - 2 3/8" OD - S.N.	
28 1 - 2 3/8" 8rd, EUE, J-55 slotted & orange peeled MA	
3141 btm	

ROD DETAIL

Length (ft)	Detail
2920 93 jts - 2 3/8" 4.7#, J-55, 8rd EUE tbq.	
3 1 - 2 3/8" x 5 1/2" TAC	
190 6 jts - 2 3/8" 4.7#, J-55, 8rd EUE tbq.	
1 1 - 2 3/8" OD - S.N.	
28 1 - 2 3/8" 8rd, EUE, J-55 slotted & orange peeled MA	
3141 btm	

WELL HISTORY SUMMARY

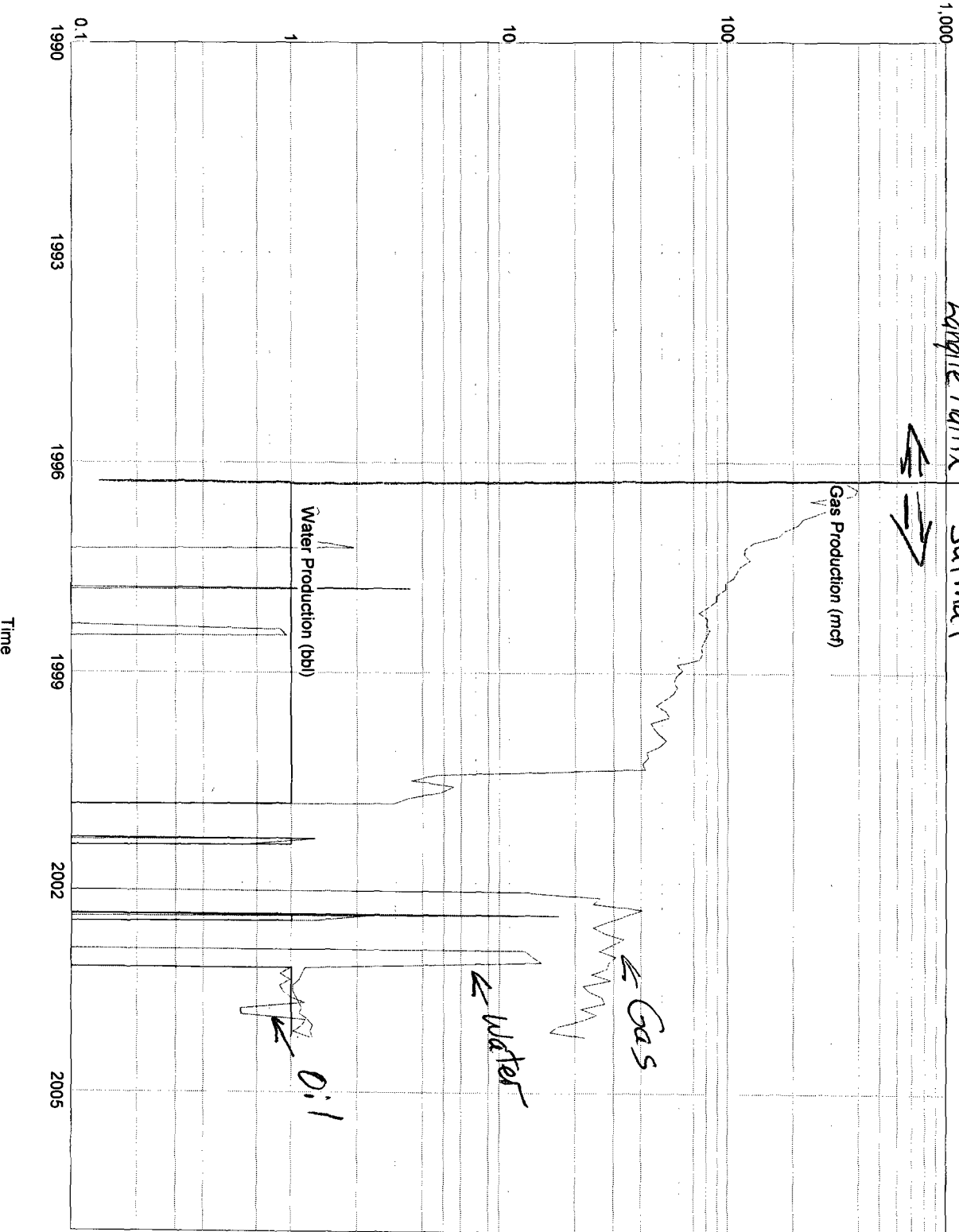
19-May-46 Initial completion interval: 3410'-3587', shot with 300 qts nitro. IP=96 bopd, 0 bwpd; GOR=1125 (flowing)
1-Mar-54 C/O fill from 3455 - 3540'
18-Aug-54 C/O fill from 3526 - 80'. Perf'd 4 holes from 3334 - 35' & tst w/stradle pkr - had weak blow & rec. 15' oil.
Set 4 1/2", 16.6# FJ liner w/12 - 3/8" holes from 3405 - 3587' and blank pipe from 3359 - 3405'. Did not cmt liner.
After WO: 11 bopd
6-Oct-54 Frac'd OH w/5,000 gals Dowell Petrofrac & 10,000#s sand
8-Aug-57 C/O fill from 3569 - 3587'
20-Mar-96 POOH L/D prod equipment. Set CIBP @ 3300' & dmp 35' cmt on top. PBTD @ 3265'. Ran DSN-CBL from 3300 - 2300'. Good cmt to 2500'. Perf'd (Jalmat) 3074'-58' w/2 spf (34 - 0.46" dia holes). Well flowing after perf'd.
0 bopd, 27 bwpd, 120 Mcfgpd with 800 psi FTP on 17/84" ck. Killed well to recover perforating guns.
Perf'd 2958 - 70', 2981 - 90', 3001 - 12', 3013 - 16', 3027 - 37', 3043 - 46' w/ 2 spf (108 - 0.43" dia holes).
Acid'd perfs 2958'-3074' w/5,000 gals 15% NEFE HCL & 200 - 7/8" RCN ball sealers. Good ball action. PM=2070 - 570 psig. AIR=7 bpm. ISIP=vac. Flow test well for 21 days. Test = 0 bwpd, 0 bopd, 932 - 219 Mcfgpd. Frac'd perfs (Jalmat) 2958 - 3074' w/76,902 gals 50/50 quality CO2 w/386,120#s 12/20 Brady sand. PM=5008 - 2782 psi. AIR= 45 bpm. ISIP= 1771 psi, P15min=1661 psi. C/O sand from 3024 - 3265' (PBTD). PU & Wait. Retag @ 3245'(20' of fill) TIH w/ 2 3/8" tbq w/SN btm tbq @ 2989'. Placed well on production. After WO: 0 bwpd, 0 bopd, & 427 Mcfgpd. FTP=80 psi.
25-Feb-97 Tagged fill @ 3232' (33' of fill). Did not C/O. Returned well to production.
27-Jun-97 POOH and LD rods & pmp.
18-Apr-01 Swab tbq. No FL found. Pmp 12 bbls acid & 10 bbls flush. WOA 1 hr. Made 5 swab runs. Swab tbq dry. Placed well on prod.
1-Oct-02 Swabbed well to SN. Recovered 1.5 bbls milky emulsion. Made 3 more runs (4.4 bbls) 95% water.
24-Jan-04 Pumped 75 bbls of hot water w/2 1/2 gals of emulsifier breaker down casing. Swabbed from 2880' to 3100' - 35 bbls. PWOP.

Lease Name: COOPER JAL UNIT
County, State: LEA, NM
Operator: SDG RESOURCES LIMITED PARTNERSHIP
Field: JALMAT
Reservoir: TANSIL-YATES-SEVEN
Location: 18 24S 37E

COOPER JAL UNIT - JALMAT # 106

Large Matrix

Jalmat



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State of New Mexico
Energy Minerals and Natural Resources

DEC 13 2004

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

Form C-101
Revised June 10, 2003

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☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

¹ Operator Name and Address SDG Resources L. P. P. O. Box 1390 Montrose, CO 81401		² OGRID Number 193003
		³ API Number 30 - 025-11137
³ Property Code 10917	⁵ Property Name Cooper Jal Unit	⁶ Well No. 208

⁷ Surface Location

UL or lot no	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	19	24-S	37-E		2310	NORTH	1650	WEST	Lea

⁸ Proposed Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
⁹ Proposed Pool 1 JALMAT - 2,950'-3,400'					¹⁰ Proposed Pool 2 LANGLIE MATTIX - 3,400'-3,780'				

¹¹ Work Type Code N	¹² Well Type Code Q	¹³ Cable/Rotary R	¹⁴ Lease Type Code FEDERAL	¹⁵ Ground Level Elevation 3,310' K. B.
¹⁶ Multiple No	¹⁷ Proposed Depth 3,780'	¹⁸ Formation TNSL-YTS-7RV-QUN	¹⁹ Contractor GREAT BASIN WELL SERVICE	²⁰ Spud Date Orig 4/20/50

²¹ Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC

²² 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.

Objectives: Deepen Jalmat producer and complete as DHC (Jalmat/Langlie Mattix) producer. Acidize and Fracture Stimulate.

1. Use Sentinel Manual BOP rated at 5,000 psig.
2. Deepen well from 3,340' to 3,780'.
3. Acidize Tansill, Yates, 7-Rivers, and Queen zones with 3,000 gallons and Fracture Stimulate with 120,000# 12/20 mesh sand.
4. Down hole commingle Jalmat and Langlie Mattix zones.

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

Signature: *Domingo Carrizales*

Printed name: Domingo Carrizales

Title: Sr. Petroleum Engineer

E-mail Address: domingo@sdgresources.com

Date: 12/07/04

Phone: 432-550-7580

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date:

Expiration Date:

Conditions of Approval:

Attached ☐

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State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised June 10, 2003
Submit to Appropriate District Office
State Lease - 4 Copies
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☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-11137		² Pool Code		³ Pool Name JALMAT: YATES, 7RVRS	
⁴ Property Code 10917		⁵ Property Name Cooper Jal Unit			⁶ Well Number 208
⁷ OGRID No. 193003		⁸ Operator Name SDG Resources L. P. P. O. Box 1390 Montrose, CO 81401			⁹ Elevation 3310' K. B.

¹⁰ Surface Location

UL or lot no. B	Section 19	Township 24S	Range 37E	Lot Idn	Feet from the 2310	North/South line NORTH	Feet from the 1650	East/West line WEST	County Lea
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Signature Domingo Carrizales Printed Name Sr. Petroleum Engineer domingo@sdgresources.com Title and E-mail Address 12/08/04 Date
	¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.
	Date of Survey Signature and Seal of Professional Surveyor:
	Certificate Number

WELLBORE SCHEMATIC AND HISTORY

CURRENT COMPLETION SCHEMATIC

Surface Csg
Hole Size: 12 1/4 in
Csg. Size: 10 3/4 in
Set @: 304 ft
Sxs Cmt: 75
Circ: Yes
TOC @: surf
TOC by: circ

TOC @ 750'
by calc.

DV Tool @ 1319'

TOC @ 2120'
By Calc.

Production Liner

Hole Size: 6 3/4 in
Csg. Size: 5 1/2 in
Top: surface
Btm: 2827 ft
Sxs Cmt: 275
Circ: Yes
TOC @: surface
TOC by: circ.

Production Csg.

Hole Size: 8 3/4 in
Csg. Size: 7 in
Set @: 2956 ft
Sxs Cmt: 200
Circ: No
TOC @: 1740 f / surf.
TOC by: calc.

OH Interval
2956 - 3169'

Fill at 3102'

TOF @ 3180'
4 3/4" x 9"
Global Basket

PBTD: 3340 ft
TD: 3340 ft

OH ID: 6 1/4 in

LEASE NAME

Cooper Jal Unit

WELL NO.

208

STATUS:

Active

Oil

API#

30-025-11158

LOCATION:

2310 FNL & 1850 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'

ELECTRIC LOGS:

None Listed

GEOLOGICAL DATA

CORES, DST'S or MUD LOGS:

HYDROCARBON 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 @ 2120' /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

ROD DETAIL

6/30/2004

Length (ft)

Detail

Length (ft)

2703

87

2 3/8" 4.7#, J-55, 8rd EUE tbg.

14

1 - 16' x 1 1/4" polish rod w/10' - 1 1/2" polish rod liner

3

1

5 1/2" x 2 3/8" TAC

12

6' x 6" - 7/8" D pony rods

310

10

2 3/8" 4.7#, ICO 505 IPC, J-55, 8rd E

1025

42 - 7/8" D rods

1

1

2 3/8" SN

1800

72 - 3/4" D rods

32

1

2 3/8" Mud Anchor

150

6 - 1 1/4" sinker bars

3049

1

1" x 1" Spiral Guide

16

2" x 1 1/4" X 16" HHBC rod pump w/10' GA

3018

TAC at 2703' w/ 18,000# Tension

WELL HISTORY SUMMARY

9-May-50 Initial completion 2956 - 3169' (Yates OH). No stimulation. IP=109 bopd, 0 bwpd, & 200 Mcf/gpd (flowing) FTP=600 psi.
5-Jan-73 Swabbed well.
16-Jan-73 Installed Rod pumping system. Tagged fill @ 3100'. No C/O.
5-May-75 C/O fill from 3060 - 3169' (109').
8-Apr-76 C/O fill from 3000 - 3169' (169'). Acq'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'. Perf'd sqz holes in csg from 600 - 734'. Cmt sqz'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'. Acq'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 Mcf/gpd.
20-Dec-93 C/O fill & bridges from 3040 - 3169' (129'). Deepened 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 production.
After WO: 12 bopd, 83 bwpd, & 25 Mcf/gpd.
16-Feb-94 Repaired rod part. Changed out 67 - 3/4" rod boxes & 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. Cleaned out to 3169'. Unsuccessful in attempt to mill or remove junk. Abandon deepening to Langlie Matrix.
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 rods due 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 85th joints, collar leak on 65th joint. RIH with pump and rods. PWOP.

PREPARED BY:

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D. Carrizales

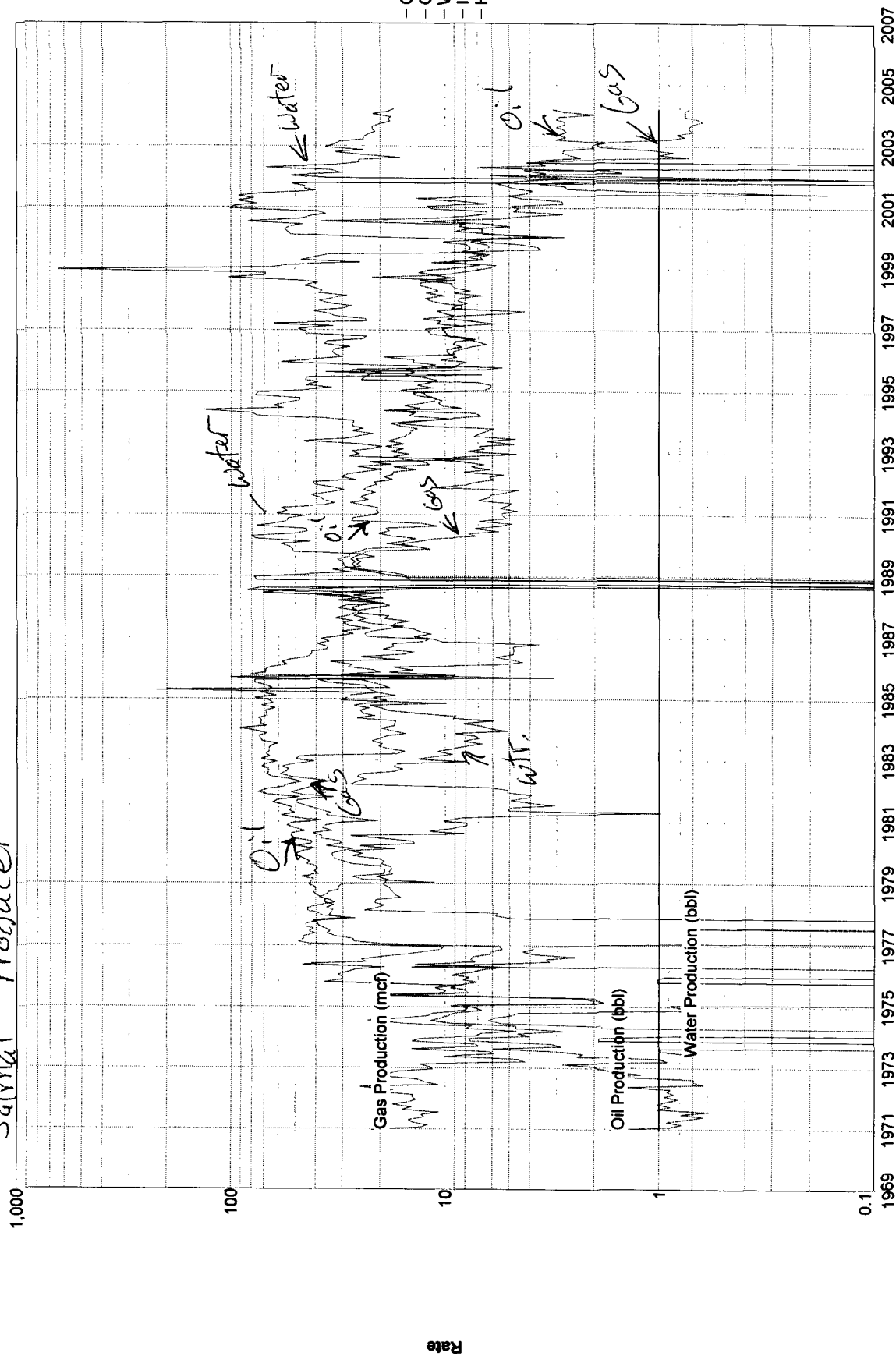
UPDATED:

07-Jul-04

Lease Name: COOPER JAL UNIT
 County, State: LEA, NM
 Operator: SDG RESOURCES LIMITED PARTNERSHIP
 Field: JALMAT
 Reservoir: TANSILL-YATES-SEVEN
 Location: 19 24S 37E

COOPER JAL UNIT - JALMAT #208

Jalmat Producer



Time