

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. 30-025-09638	
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>	
6. State Oil & Gas Lease No. 141560	
7. Lease Name or Unit Agreement Name Cooper Jal Unit	
8. Well Number	122 w
9. OGRID Number	193003
10. Pool name or Wildcat JALMAT: Tansill, Yates & 7-Rivers; LANGLIE MATTIX: 7-Rivers Queen	

4. Well Location
Unit Letter A : 330 feet from the NORTH line and 990 feet from the EAST line
Section 24 Township 24S Range 36E NMPM LEA County

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
3,320' KB

Pit or Below-grade Tank Application ☒ or Closure ☐

Pit type DIRT Depth to Groundwater 130' 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

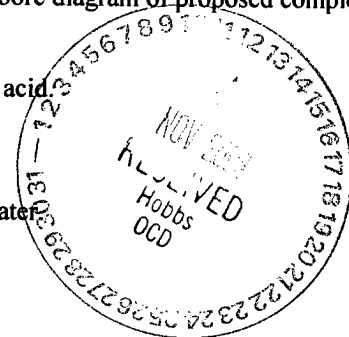
12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	P AND A <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPL <input type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>	
OTHER: Clean out injector w/Coiled Tubing and Acidize. <input checked="" type="checkbox"/>		OTHER: <input type="checkbox"/>	

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 1/4" Perf-Clean Tool on 1 1/4" coil tubing to 2,937'.
3. Energize Tool and clean out Perfs 3,020'-3,461' and open hole 3,468'-3,552' with surfactant water.
4. Acidize Perfs 3,020'-3,461' and 3,468'-3,552' 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 250 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 Canizales TITLE Senior Petroleum Engineer DATE 11/10/04

Type or print name
For State Use Only

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

APPROVED BY: Harry W. Wink TITLE OG FIELD REPRESENTATIVE II/STAFF MANAGER DATE NOV 22 2004
Conditions of Approval (if any):

WELLBORE SCHEMATIC AND HISTORY

CURRENT COMPLETION SCHEMATIC

Surface Csg
 Hole Size: 11 in
 Csg. Size: 8 5/8 in
 Set @: 280 ft
 Sxs Cmt: 150
 Circ: Yes
 TOC @: surf
 TOC by: circ

Tie Back at
 149' 5 1/2" Csg

TOC @ 600'
 BY Calc.

DV Tool @ 1200'

TOC @ 2273'
 by 80% Calc
 By Calc.

pkc @ 2937'

3020'-52'

3069'-89'

3103'-20'

3133'-46'

3152'-82'

3188'-98'

3237'-45'

3297'-3307'

3324'-29'

3341'-43'

3360'-68'

3370'-72'

3376'-82'

3385'-88'

3406'-08'

3420'-21'

3430'-35'

3438'-44'

3452'-55'

3459'-61'

OH Interval

Fill at 3468'

Production Csg.
 Hole Size: 7 5/8 in
 Csg. Size: 5 1/2 in
 Set @: 3465 ft
 Sxs Cmt: 300
 Circ: No
 TOC @: 600 f/surf.
 TOC by: calc.

PBTD: 3552 ft
 TD: 3552 ft

OH ID: 4 3/4 in

LEASE NAME

Cooper Jal Unit

WELL NO.

122 W

STATUS:

Active

Water Injector

API#

30-025-09638

LOCATION:

330 FNL & 990 FEL, Sec 24, T - 24S, R - 36E; Lee County, New Mexico

SPUD DATE:

TD 3552

KB 3,321'

DF

INT. COMP. DATE:

06/18/54

PBDT 3552

GL 3,311'

GEOLOGICAL DATA

ELECTRIC LOGS:

GR-CCL (12-2-93 Halliburton)
 Injection Profile log (4-20-95 Houston, Inc.)
 GR-N from 100 - 3553' (6-14-54 Schlumberger)

CORES, DST'S or MUD LOGS:

HYDROCARBON BEARING ZONE DEPTH TOPS:

CASING PROFILE

SURF. 8 5/8" - 32#, J-55 set@ 280' Cmt'd w/150 sxs - circ cmt to surf.

PROD. 5 1/2" - 14#, H-40 set@ 3465' Cmt'd w/200 sxs - TOC @ 2265' f/ surf by calc. DV tool @ 1200' - pmp 100 sxs. TOC @ 600' by calc.

LINER None

CURRENT PERFORATION DATA

CSG. PERFS:

Interval	Net feet	No. holes
3020 - 52'	32	64
3069 - 89'	20	40
3103 - 20'	17	34
3133 - 46'	13	26
3152 - 82'	30	60
3188 - 98'	10	20
3237 - 45'	8	16
3297 - 3307'	10	20

Interval	Net feet	No. Holes
3324'-29'	5	11
3341'-43'	2	5
3360'-68'	8	17
3370'-72'	2	5
3376'-82'	6	13
3385'-88'	3	7
3406'-08'	4	5
3420'-21'	4	5
3430'-35'	5	11
3438'-44'	12	13
3452'-55'	6	7
3459'-61'	6	7

Open Hole:
 3465'-3552'

Perf'd w/2 spf, 120 deg phasing, .46" dia hole

TUBING DETAIL

10/31/2003

ROD DETAIL

Length (ft)

Detail

10 KB

2927 93 jts - 2 3/8" 4.7#, CPL, J-55, 8rd EUE tbg.

3 1 - 5 1/2" x 2 3/8" Baker Model AD-1 packer

2940 btm

WELL HISTORY SUMMARY

18-Jun-54 Initial completion interval: 3465 - 3552' (Lower 7 Rivers OH). Frac'd w/4,000 gals oil & 6,000#s sand. IP=254 bopd, 0 bwppd & 222 Mcf/gpd (flowing)

09-Jun-56 Placed well on rod pump

05-May-71 Converted well to injection: C/O fill rom 3535 - 3546'

10-Feb-84 C/O to 3552' (TD). Installed new IPC tbg.

29-Nov-93 C/O from 3479 - 3554'. Set pkc @ 3399' & acdz OH 3465 - 3552 w/4,200 gals 20% HCL and 168 gals TW-45 in 4-stages using 1,900#s rocksalt as diversion. PM=4,000 - 700 psi, AIR=4 bpm. Ran GR-CCL from 3300 - 2800'. Perf'd from 3020 - 3307' w/2 spf (280 - .46" holes). Set pkc @ 2890' & acdz perfs (3020 - 3307') w/ 4,200 gals 20% NEFE HCL and TW-425 dropping 300 7/8" RCN ballsealers. PM=2400 - 650 psi, AIR=4.5 bpm no good ball action, ISIP=650 psi, P2min=vacuum. RIH w/ pkc on IPC tbg and set pkc @ 2962'. Placed well on injection @ 450 bwppd (avg), TP=vacuum.

14-Feb-02 Tag TD using SL unit (1 1/4" x 5' sinker bar). Tag fill @ 3056' (496' of fill).

02-Sep-03 POOH with IPC tubing and laid down 4 1/2" AD-1 packer. Tallied in hole with 2 7/8" work string and set RBP at 3000'. Test RBP to 500 psi - held. Ran GR/CBL from 2980' to 151' - top of cement at 160'. Sling shot 5 1/2" casing at 149'. Recovered 149' of casing. Ran new 5 1/2" casing, tie back at 149' onto old 5 1/2" casing. Pressure casing to 500 psi - held. Perforate casing from 3324'-3461'. Total feet 45, total holes 102. Treated perforation with 280 bbls surfactant water and 3000 gallons of 15% NEFE HCl acid via PerfClean Tool. Cleaned out with 3 1/2" bailer from 3453' to 3468'. RIH with 5 1/2" AD-1 packer while hydrotesting 2 3/8" IPC tubing to 7000 psi. Set packer 2962', pressure test to 500 psi - held. Placed on injection at 300 BWPD at 0 psi. Had pressure on annulus. Reset packer - test without success. POOH with 2 3/8" IPC tubing and 5 1/2" AD-1 packer. Redressed packer. RIH with 5 1/2" AD-1 packer on 93 - 2 3/8" IPC tubing to 2927. Circulated with 70 barrels of 2% KCl plus inhibited packer fluid. Set 5 1/2" AD-1 packer with 23,000# tension. Pressure to 500 psig - held. Pulled a pressure chart OCD.

PREPARED BY:

Larry S. Adams D. Carrizales

[UPDATED:

03-Nov-03