

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W Grand Avenue, 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 & Natural Resources

Form C-104
Revised Feb. 26, 2007

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

Submit to Appropriate District Office
5 Copies

AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address Torch Energy Services, Inc. 2600 W. I-20 Odessa, TX 79763		² OGRID Number 241401	FOR RECORD ONLY No Change
⁴ API Number 30 - 025-11140		³ Reason for Filing Code/ Effective Date Change from gas well to oil well	
⁵ Pool Name Langlie Mattix SR-QN-GB		⁶ Pool Code 37240	
⁷ Property Code 302966	⁸ Property Name Cooper Jal Unit		⁹ Well Number 117

II. ¹⁰ Surface Location

Ul or lot no. N	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
	18	24S	37E		660	South	1980	West	Lea

¹¹ Bottom Hole Location

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

¹² Lse Code P	¹³ Producing Method Code P	¹⁴ Gas Connection Date	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date
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III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
034053	Plains Marketing, LP 10 Desta Drive, Suite 200E Midland, TX 79705	O
024650	Targa Midstream Services, LP 1000 Louisiana St., Suite 4300 Houston, TX 77002	G

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IV. Well Completion Data

²¹ Spud Date 10/27/48	²² Ready Date 11/24/48	²³ TD 3660'	²⁴ PBDT 3660'	²⁵ Perforations 3373'-3660'	²⁶ DHC, MC DHC, 3449
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
11"	8 5/8" 24# J-55	320'	150 sx "C" w/ CaCl2, circ		
7 7/8"	5 1/2" 14# J-55	3441'	500 sx POZ H w/ 6% gel, TOC @ 705'		

V. Well Test Data

³¹ Date New Oil	³² Gas Delivery Date	³³ Test Date 3/16/08	³⁴ Test Length 24 hours	³⁵ Tbg. Pressure	³⁶ Csg. Pressure
³⁷ Choke Size	³⁸ Oil 1/3	³⁹ Water 11/86	⁴⁰ Gas 5/16		⁴¹ Test Method Test Separator

⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature: *Melanie Reyes*
Printed name: Melanie Reyes
Title: Production Assistant
E-mail Address: reyesm@odessa.teai.com
Date: 5/6/08 Phone: 432-580-8500

OIL CONSERVATION DIVISION

Approved by: *Chris Williams*
Title: **OC DISTRICT SUPERVISOR/GENERAL MANAGER**
Approval Date: **MAY 23 2008**

5/22/08 FOR RECORD ONLY

WELLBORE SCHEMATIC AND HISTORY

CURRENT COMPLETION SCHEMATIC

LEASE NAME		Cooper Jal Unit		WELL NO	117
STATUS	Active	Oil	API# 30-025-11140		
LOCATION	660 FSL & 1980 FWL, Sec 18, T - 24S, R - 37E, Lee County, New Mexico				
SPUD DATE	10/27/48	TD	3660	KB	3,320'
INT COMP DATE	11/24/48	PBTD	3660	GL	3,308'

Surface Csg
 Hole Size 11 in
 Csg Size 8 5/8 in
 Set @ 320 ft
 Sxs Cmt 150
 Circ Yes
 TOC @ surf
 TOC by circ

ELECTRIC LOGS		GEOLOGICAL DATA		CORES, DST'S or MUD LOGS	
GR -N from 0 -3649' (11-18-48 Lane Wells)	Yates @ 2973'				
Csg Inspection Log from 335 - 1500' (1-16-74 McCullough)	7-Rivers @ 3202'				
GR-CCL from 3255 - 2800' (4-27-92 Halliburton)	Queen @ 3545'				
CASING PROFILE					
SURF	8 5/8" - 24#, J-55 set@ 320' Cmt'd w/150 sxs - circ cmt to surf				
PROD	5 1/2" - 14#, J-55 set@ 3341' Cmt'd w/500 sxs - TOC @ 705' from surf by calculation				
LINER	None				

CURRENT PERFORATION DATA		
CSG PERFS	3058 - 3078' w/8 spf (160 holes)	OPEN HOLE
New Perfs	2950'-60', 2970'-80', 2992'-3002', 3019'-24', 3034'-39', 3087'-92'	3341 - 3648'

TUBING DETAIL			ROD DETAIL		
1/26/2007			10/19/07		
Length (ft)	Detail		Length (ft)	Detail	
4	1	2 7/8" tbg sub 8rd	22	1	26' x 1 1/4" polish rod w/ 7/8" pin
2697	87	2 7/8" 6 4#, J-55, S Max tbg	0	1	1 1/4" x 1 1/2" x 14' liner
3	1	5 1/2" x 2 3/8" TAC	21	3	6', 6', 9' - 1" Fiber Glass Pony Rods
744	24	2 7/8" 6 4#, J-55, S Max tbg	1800	48	1" Fiber Glass Rods
1	1	2 7/8" SN	1175	47	7/8" New KD steel rods
4	1	2 7/8" Perf Sub	150	6	3/4" steel rods
31	1	2 7/8" MA	250	10	1 1/4" K-bars
3484		btm	4	1	4' - 3/4" Guided Pony Rod
			1	1	Right Hand Release, 26-K Shear Tool
			20	1	2" x 2 1/2" X 20' RHBC PAP 40 Ring Plunger
			0	1	1 1/4" x 8' w/ 50 slot sand screen
			3443		btm

WELL HISTORY SUMMARY

24-Nov-48 Initial completion interval 3341'-3648' (7 RVRs/Queen OH). Shot w/290 qts nitro (3,341'-3,620')
 IP =65 bopd, 0 bwpd & 72 Mcfgpd (flowing)

17-Jan-74 Ran csg inspection log Found holes from 535 - 878' Sqz'd csg leak @ 535 - 878' w/ 250 sxs cmt @ 700 psi Dld out & tst OK

6-Aug-74 C/O to 3626' (Hole continue to fill) Before WO: 1 bopd & 3 bwpd, After WO, 4 bopd & 7 bwpd

24-Oct-74 C/O to 3621', Frac'd OH w/60,000 gals gel tr'd fresh water w/ 45,000#s 20/40 sand & 36,000#s 12/20 sand AIR=25 bpm @ 2800 psi
 ISIP=850 psi, P10min=400 psi

2-Jan-75 Producing 8 bopd & 67 bwpd Checked for fill - none

Note Performed seven (7) rod or tubing jobs in 1977 @ cost of \$4,038

2950'-60' Note Performed twelve (12) rod or tubing jobs in 1978 @ cost of \$7,277

Note Performed eleven (11) rod or tubing jobs in 1979 @ cost = \$8,235

21-May-92 Set CIBP @ 3318' & dump 7 sxs (50') cmt on top Ran GR - CCL from 3255 - 2800'. Perf'd w/4" csg gun w/ 120 deg phasing from 3058'-78' w/ 8 spf (160 - 0.47" dia holes) Frac'd w/70,000 gals/220,000#s 12/20 sand & 21,000#s 12/20 resin coated sand PM= 4700 -1660 psi, AIR=30 bpm ISIP=352 psi C/O and ran prod equip After WO pmp 0 bopd, 17 bwpd & 545 MCFGPD.

15-Mar-95 Aczd'd perfs 3058 - 78' w/ 2,000 gals 15% NEFE acid Atmpt to swab load back No fluid entry Performed scale sqz using 110 gals TH793 scale inhibitor mixed w/ 15 bbls water Flushed w/2% KCL water RIH w/ production equipment SWI 24 hrs IP=0 bopd, 0 bwpd, & 128 Mcfgpd

15-Sep-00 C/O using foam unit from 3140 - 3268' (PBTD) Ran sonic hammer and aczd'd perfs 3058 - 78' w/ 1,000 gals 15% NEFE HCL PM=1648 - 850 psi AIR=4.4 bpm ISIP= vacuum Scale sqz'd perfs w/ 165 gals TH-756 mixed w/ 55 gals 2% KCL @ 4 bpm & 1200 psi Ran production equipment C/O iron sulfide from surface filter After WO 0 bopd, 46 bwpd, & 96 Mcfgpd. Well on compression

20-Jun-02 Rod part (body break) at 22' j. Changed out pump PWOP

4-Apr-05 POOH w/ rods & pump Scanolog tubing 62 - yellow, 32 - blue, 2 - green single band, and 1 - red band Left 16' of 3 1/2" slotted MA RIH w/ 4 3/4" shoe w/ wire & 20 - 3 1/2" drill collars on 2 7/8" WS to 3,054' - mud up Washed down to 3,113' Recovered 3 1/2" x 16" mud anchor RIH w/ same BHA, tagged at 3,268' Drilled cement & CIBP, pushed down to 3,547', drilled to 3,660'. Left 2 cones RIH w/ BHA - tagged @ 3,512' Ran core, recovered pieces of CIBP & rubber After 15 wash pipe trips, 3 magnet trips and 1 junk basket trip Recovery was bit cones and metal Total depth reached is 3 660'. Perf'd fl 2,950'-3,182' 1 JHPPF, 180 degree phasing, 75 holes. Frac'd open hole (3,341' - 3,660') w/ 26,334 gals fluid plus 60,000# 12/20 brady sand Pavg=29 1900# AIR= 29 bpm Well screened out after 20 bbls flushed Cleaned out frac sand w/ coil tubing to 3,265' Frac'd Yates 2,950'-3,182' w/42,000 gals plus 15,000# Pavg= 1084#, AIR= 29 bpm, ISIP= 474# Cleaned out frac sand and pulled packers Had good oil & gas cut Cleaned out to 3,642', RIH with production string PWOP

25-Aug-05 POOH with rods & pump Tagged at 3603' POOH with tubing RIH with bailer and tagged at 3603' Could not make any hole PWOP

21-Apr-06 POOH with rods Tagged fill at 3581', POOH with tubing and stucked pump RIH with pump and rods Replaced 50 - 7/8" & 15 - 15 - 3/4" boxes due to wear Load and test pump - okay PWOP

17-Jun-06 Tried to unseat pump, sheared tool Tagged at 3577', POOH with rods, tubing with stucked pump RIH with tubing, pump and rods Load and test pump to 500# PWOP

11-Sep-06 Long stroke well

25-Jan-07 Released w/ Shear Tool , POOH with rods POOH with tubing and pump Changed out 20 - 3/4" & 40 - 7/8" boxes PWOP

01-May-07 POOH w/ rods and pump Tagged fill at 3583' RIH with pump and rods PWOP

19-Oct-07 POOH with rods and pump RIH with pump and rods Load and test pump to 500# Good pump action PWOP

TOC@ 1201'
By TS

Yates @ 2973'

2950'-60'

2970'-80'

2992'-3002'

3019'-24'

3034'-39'

3058'

8 spf

3078'-3092'

3105'-3110'

3117'-3122'

3126'-3131'

3155'-3160'

3172'-3182'

7-Rivers @ 3202'

OH Interval
3341 - 3648'
Queen @ 3545'

Production Csg
Hole Size 7 7/8 in
Csg Size 5 1/2 in

Set @ 3341 ft
Sxs Cmt 500
Circ No
TOC @ 705 f / surf
TOC by calc

PBTD 3660 ft
TD 3660 ft

OH ID 4 3/4 in

Fill at 3603'