

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
		³ Reason for Filing Code/ Effective Date Change from gas well to oil well
⁴ API Number 30 - 025-11140	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

FOR RECORD ONLY
No Change

II. ¹⁰ Surface Location

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

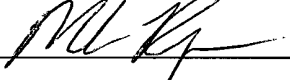

III. Oil and Gas Transporters

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
RECEIVED MAY 08 2008 HOBBS OCD		

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: 			OIL CONSERVATION DIVISION		
Printed name: Melanie Reyes			Approved by: 		
Title: Production Assistant			Title: OC DISTRICT SUPERVISOR/GENERAL MANAGER		
E-mail Address: reyesm@odessa.teai.com			Approval Date: MAY 23 2008		
Date: 5/6/08		Phone: 432-580-8500		5/22/08 FOR RECORD ONLY	

WELLBORE SCHEMATIC AND HISTORY					
CURRENT COMPLETION SCHEMATIC		LEASE NAME Cooper Jal Unit		WELL NO 117	
<div>Surface Csg</div> <div>Hole Size 11 in</div> <div>Csg Size 8 5/8 in</div> <div>Set @ 320 ft</div> <div>Sxs Cmt 150</div> <div>Circ Yes</div> <div>TOC @ surf</div> <div>TOC by circ</div>		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' DF	
		INT COMP DATE 11/24/48 PBTD 3660		GL 3,308'	
<div>TOC@ 1201'</div> <div>By TS</div>		ELECTRIC LOGS		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 3341 - 3648'	
New Perfs 2950'-60', 2970'-80', 2992'-3002', 3019'-24', 3034'-39', 3087'-92',					
TUBING DETAIL 1/26/2007		ROD DETAIL 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 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 bwppd & 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 Did out & tst OK					
6-Aug-74 C/O to 3526' (Hole continue to fill) Before WO: 1 bopd & 3 bwppd, After WO, 4 bopd & 7 bwppd					
24-Oct-74 C/O to 3621', Frac'd OH w/60,000 gals gel br'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					
Yates @ 2973'		2-Jan-75 Producing 8 bopd & 67 bwppd Checked for fill - none			
2950'-60'		Note Performed seven (7) rod or tubing jobs in 1977 @ cost of \$4,038			
		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			
2970'-80'		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 bwppd & 545 MCFGPD.			
2992'-3002'		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 bwppd, & 128 Mcfgpd			
3019'-24'		15-Sep-00 C/O using foam unit from 3140 - 3268' (PBTD) Ran sonic hammer and acidized 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 bwppd, & 96 Mcfgpd. Well on compression			
3034'-39'		20-Jun-02 Rod part (body break) at 22 ft Changed out pump PWOP			
3058'		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 - 2 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 flush 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#			
3078'		Cleaned out frac sand and pulled packers Had good oil & gas cut Cleaned out to 3,642', RIH with production string PWOP			
3087'-3092'		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			
3105'-3110'		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			
3117'-3122'		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			
3126'-3131'		11-Sep-06 Long stroke well			
3155'-3160'		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			
3172'-3182'		01-May-07 POOH w/ rods and pump Tagged fill at 3583' RIH with pump and rods PWOP			
7-Rivers @ 3202'		19-Oct-07 POOH with rods and pump RIH with pump and rods Load and test pump to 500# Good pump action PWOP			
OH Interval 3341 - 3648' Queen @ 3545'					
PBTD 3660 ft					
TD 3660 ft					
OH ID 4 3/4 in					
Fill at 3603'					
PREPARED BY Larry S Adams D Camzales		UPDATED 31-Oct-07			