

Submit 1 Copy To Appropriate District  
Office:  
District I - (575) 393-6161  
1625 N. French Dr., Hobbs, NM 88240  
District II - (575) 748-1283  
811 S. First St., Artesia, NM 88210  
District III - (505) 334-6178  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV - (505) 476-3460  
1220 S. St. Francis Dr., Santa Fe, NM  
87505

State of New Mexico  
Energy, Minerals and Natural Resources

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

Form C-103  
Revised July 18, 2013

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> (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.)		WELL API NO. 30-015-25029
1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>		5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
2. Name of Operator Memorial Production Operating, LLC.		6. State Oil & Gas Lease No.
3. Address of Operator 1301 McKinney, Suite 2100 Houston, TX 77010		7. Lease Name or Unit Agreement Name North Square Lake Unit
4. Well Location Unit Letter B : 330 feet from the North line and 2310 feet from the East line Section 32 Township 16S Range 31E NMPM Eddy County		8. Well Number 106
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3948'		9. OGRID Number 303900
		10. Pool name or Wildcat Sq. Lake, G-5A (57570)

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"/>	
DOWNHOLE COMMINGLE <input type="checkbox"/>			
CLOSED-LOOP SYSTEM <input type="checkbox"/>			
OTHER: Recompletion / <i>PSM Add</i> <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 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Please see attached recompletion procedure, as well as Current & Proposed wellbore diagrams.

Recompletion to SAME reservoir.

Spud Date:

Rig Release Date:

*C102 on file*

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

SIGNATURE *Adonya Dryden* TITLE Regulatory Agent DATE 7-15-2014

Type or print name Adonya Dryden E-mail address: adonya.dryden@brammer.com PHONE: 318-429-2277

For State Use Only

APPROVED BY: *AD* TITLE *Dist. H. Spawls* DATE 7-15-2014

Conditions of Approval (if any):



## NSLU #106 RECOMPLETION PROCEDURE

Well Information	
API Number	30-015-25029
AFE Number	
Cost Estimate	
Wellbore Fluid	FSW

Existing Tubing BHA	ID	Coupling OD
Production Tubing	2-7/8" ppf	----

Wellbore Information	
Ground Level / KB	3939' / ----'
PBTD (MD/TVD)	3965'
TD (MD/TVD)	5620'
Production Perfs	3351'-3356' / 3496'-3504''

Existing Casing and Tubing Specifications												
Csg/Tbg Size (in)	MD (ft)		Weight (lbs/ft)	ID (in)	Drift ID (in)	Grade	Hole Size (in)	Connection		Performance Ratings		
	Top	Shoe						Top Conn.	O. D. (in)	Burst (psi)	Collapse (psi)	Tension (kips)
13-3/8"	0	448	54.5	12.615	12.459	J-55	17.5	LTC	14.375	2730	1130	514
5-1/2"	0	5620	15.5	4.892	4.767	J-55	7-7/8	LTC	6.050	4810	4040	202

Direction

### PROCEDURE

#### Perform Safety Checks and Safety Meeting.

- 1) Perform a safety meeting prior to rigging up ANY equipment on location. Discuss the job procedure and objective with all personnel on location. Document the safety meeting on the daily report. Make note of all potential risks/hazards, and clearly identify an emergency route and emergency vehicle. Also make note of any new or inexperienced personnel on location.
- 2) Check pressures on tubing, production casing and surface casing. Record pressures on morning reports.

#### Workover Rig Work

- 3) MIRU workover rig with reverse unit.
- 4) Remove horsehead from pumping unit.
- 5) Circulate around 10# brine water. Unseat pump and POOH laying down the rods and pump. Visually inspect rods when POOH. Release 5-1/2" RTTS packer and POOH (do not have record of what depth the packer is set at) w/ 2-7/8" tbg and pckr. Scan tbg when POOH. Set aside any bad jts.



- 6) MIRU EWL. RIH W/5-1/2" GR/JB to 3350'. POOH. RIH W/CCL/5-1/2" CIBP. Set CIBP @ 3345'. POOH. MIRU pump truck and pressure up on casing to 4000 psi. Make sure csg holds pressure for 5 minutes. Bleed pressure off pressure.
- 7) RIH W/GR/CCL/Csg gun (1 SPF, 0 deg Phase). Perforate 3196'-3214', 3217'-20', 3241'-46', 3249'-53', 3263'-67', 3278'-85', 3297'-3300', 3307'-14', 3321'-26', 3336'-40'. POOH. RDMO EWL.
- 8) MIRU frac company and stimulate as per frac design.
- 9) Flow back well once pumping equipment is off location.
- 10) Once well is dead RIH W/tbg and set TAC @ 3175'.
- 11) RIH W/Exchanged Pump and rods. Seat pump and make sure pump action is working. Put horsehead back on pumping unit. Hang rods and start pumping unit.
- 12) RDMO WOR.

#### Memorial Company Personnel

NAME	TITLE	OFFICE #	CELLULAR #
Andrew Kobelan	Operations Engineer	832-408-8604	713-898-1183
Chris Sowyrda	Operations Engineer	713-490-8995	281-787-3967

Prepared by: Andrew Kobelan

# NSLU #106

WELL NAME:	NSLU #106	FIELD:	North Square Lake
LOCATION:	Sec. 32, 16 S, 31 E	API #:	30-015-25029
COUNTY:	Eddy	ST:	NM
KB:	n/a	GL:	3939
TD:	5700	PBTD:	3965
SPUD DATE:	10/03/84		
LAST UPDATED:	06/11/14	BY:	Andrew Kobelan

## CASING DETAILS

PURPOSE	SIZE	WEIGHT	GRADE	SET DEPTH
SURFACE	13-3/8"	54#	J-55	448
INTERMEDIATE				
PRODUCTION	5 1/2"	15.5#	J-55	5620
LINER				

## TUBING DETAILS

DESCRIPTION	SIZE	WEIGHT	GRADE	SET DEPTH
	2-7/8"	6.5#	J-55	

13-3/8" @ 448' w/375 sx (circ)

ETOC = 1650' (Calc)

Well file says there is an model R packer in the well but it doesn't say at what depth it is set.

Perfs: 3351'-3356' (10 holes) Acidize w/500 gals 15%. Frac'd dwn csg w/20000 gals gelled KCL wtr w/25000# (10000# 20/40 + 15000# 12/20) sand, 1000 gals 15% acid

Perfs: 3496'-3504' (16 holes) Attempted frac, screened out after 7500# sand.

CIBP set at 4000' W/35' cmt on top; PBTD=3965'

Perfs: 4029'-4102' (30 holes)

Perfs: 4984'-5051' (14 holes)

5 1/2" 15.5# @ 5620' w/1000 sx (Circulated cmt to surface)

# NSLU #106 PROPOSED RECOMPLETION

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COUNTY:	Eddy	ST:	NM
KB:	n/a	GL:	3939
		TD:	5700
		PBTD:	3965
LAST UPDATED:	07/15/14	BY:	Andrew Kobelan

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13-3/8" @ 448' w/375 sx (circ)

ETOC = 1650' (Calc)

TAC set @ 3175'

Proposed Perfs: 3196'-3214', 3217'-20, 3241'-46', 3249'-53', 3263'-67', 3278'-85', 3297'-3300', 3307'-14', 3321'-26', 3336'-40'

Propose Setting CIBP @ 3345' (Wait until abandoning above perforations to put 35' cmt)

If we put cmt on CIBP now we will be unable to perf bottom 3 intervals (3307'-14', 3321'-26', 3336'-40')). on CIBP.

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