

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

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

Form C-103
Revised June 10, 2003

SUNDRY NOTICES AND REPORTS ON WELLS (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 02547
1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other (Injection) <input type="checkbox"/>		5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
2. Name of Operator Melrose Operating Company		6. State Oil & Gas Lease No.
3. Address of Operator c/o P.O. Box 953, Midland, TX 79702		7. Lease Name or Unit Agreement Name Artesia Unit
4. Well Location Unit Letter <u>D</u> : <u>990</u> feet from the <u>North</u> line and <u>330</u> feet from the <u>West</u> line Section <u>3</u> Township <u>18S</u> Range <u>28E</u> NMPM Eddy County		8. Well Number Well # 42
11. Elevation (Show whether DR, RKB, RT, GR, etc.)		9. OGRID Number 184860
		10. Pool name or Wildcat Artesia (Queen. Grayburg. SA)

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐

TEMPORARILY ABANDON ☐ CHANGE PLANS ☐

PULL OR ALTER CASING ☐ MULTIPLE COMPLETION ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐

CASING TEST AND CEMENT JOB ☐

OTHER: Squeeze job & bond log ☒

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.

4-13-05: Ran acoustic cement bond log. Make requests for squeeze job to insure cement behind pipe.

6-29-05: Rigged up BJ Services to pump 400 sx lite C cement and 200 sx of Cl C w/2% CaCl. Lite 2.01 ft3 y @ 12.7# per gal, Cl C 2% CaCl 1.32 ft3 y @ 14.8# /gal. 200 psi on backside, 600 psi pumping through cement retainer, 2227' @ 3 1/2 bbls/min. Circulated 92 sx cement to surface. Shut down pumps & displaced 4 bbls water down tugging. Sting out of retainer & reverse out circulated .5 bbls cement back.

Cement job in compliance with stipulations in Waterflood Order No. R-11720 on the Artesia Unit.

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

SIGNATURE Ann E. Ritchie TITLE Regulatory Agent DATE 12-21-05

Type or print name Ann E. Ritchie E-mail address: ann.ritchie@wtor.net Telephone No. 432 684-6381

(This space for State use)

APPROVED BY FOR RECORDS ONLY TITLE DATE DEC 28 2005

Conditions of approval, if any:

CEMENT JOB REPORT



CUSTOMER Melrose Operating Co.		DATE 29-JUN-05	F.R. # 420910057	SERV. SUPV. LYLE D SPURLOCK JR			
LEASE & WELL NAME ARTESIA UNIT #42		LOCATION		COUNTY-PARISH-BLOCK Eddy New Mexico			
DISTRICT Artesia		DRILLING CONTRACTOR RIG # PU		TYPE OF JOB Plug Back			
SIZE & TYPE OF PLUGS		LIST-CSG-HARDWARE		PHYSICAL SLURRY PROPERTIES			
				SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT ³	WATER GPS
							PUMP TIME HR:MIN
							Bbl SLURRY
							Bbl MIX WATER
MATERIALS FURNISHED BY BJ							
WATER					8.4		10
35/65/6+6%SALT+2%CACL2				400	12.5	2.04	145 105.47
C+2%CACL2				200	14.8	1.34	48 30.36
WATER					8.4		8
Available Mix Water 260 Bbl. Available Displ. Fluid 260 Bbl.				TOTAL		211	135.84
HOLE		TBG-CSG-D.P.				COLLAR DEPTHS	
SIZE	% EXCESS	DEPTH	SIZE	WGT.	TYPE	DEPTH	GRADE
			2.875	6.48	TBG	1355	N-80
LAST CASING		PKR-CMT RET-BR PL-LINER		PERF. DEPTH		TOP CONN	
SIZE	WGT	TYPE	DEPTH	BRAND & TYPE	DEPTH	TOP	BTM
5.5	14	CSG	5000	DAVIS LYNCH CEMENT RETAI	1355		
						2.875	8RD
						FRESH WATER	
						8.5	
DISPL. VOLUME		DISPL. FLUID		CAL. PSI	CAL. MAX PSI	OP. MAX	MAX TBG PSI
VOLUME	UOM	TYPE	WGT.	BUMP PLUG	TO REV.	SQ. PSI	RATED
8	BBLs	WATER	8.4	0	154	0	10000
						8000	0
						0	0
						TRANSPOR T	

EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: NONE

PRESSURE/RATE DETAIL						EXPLANATION	
TIME HR:MIN.	PRESSURE - PSI		RATE BPM	Bbl. FLUID PUMPED	FLUID TYPE	SAFETY MEETING: BJ CREW <input checked="" type="checkbox"/> CO. REP. <input type="checkbox"/>	
	PIPE	ANNULUS				TEST LINES 4000 PSI	
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>	
10:15						SAFETY MEETING	
10:22	2000	0	.5	.5	H2O	TEST LINES	
10:25	200	0	2	10	H2O	LOAD HOLE	
10:31	0	280	1	1	H2O	PRESSURE UP BACKSIDE	
10:35	600	280	3	145	CMT	LEAD@12.5	
11:18	730	280	3	48	CMT	TAIL@14.8	
11:27	730	1200	3		CMT	BACKSIDE PRESSURED UP	
						SHUT DOWN WASH UP	
11:43	390	0	3	4	H2O	DISPLACE	
11:45						SHUT DOWN	
11:51	580	0	3	15	H2O	REVERSE OUT	
						CIRCULATED 92 SACKS	
						THANK YOU DUANE AND CREW	

BUMPED PLUG Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	PSI TO BUMP PLUG	TEST FLOAT EQUIP. Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	BBL.CMT RETURNS/ REVERSED 33	TOTAL BBL. PUMPED 202	PSI LEFT ON CSG 0	SPOT TOP OUT CEMENT Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	SERVICE SUPERVISOR SIGNATURE:
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