

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE\*  
(Other instructions on re-  
verse side)

Form approved.  
Budget Bureau No. 1004-0135  
Expires August 31, 1985

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—" for such proposals.)

1. OIL WELL ☒ GAS WELL ☐ OTHER ☐  
2. NAME OF OPERATOR  
William C. Russell  
3. ADDRESS OF OPERATOR  
AGENT-KM Production Co., P.O. Box 2406, Farmington, NM  
405 East 54th St., New York, NY 10022  
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.  
See also space 17 below.)  
At surface  
1840' FNL & 990' FEL

5. LEASE DESIGNATION AND SERIAL NO.  
NM-09867-A  
6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
7. UNIT AGREEMENT NAME  
8. FARM OR LEASE NAME  
Lunt  
9. WELL NO.  
62R  
10. FIELD AND POOL, OR WILDCAT  
Basin Dakota  
11. SEC., T., R., M., OR BLK. AND  
SURVEY OR AREA  
Sec. 18, T30N, R13W  
12. COUNTY OR PARISH  
San Juan  
13. STATE  
NM

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14. PERMIT NO.  
15. ELEVATIONS (Show whether on RT, CR, etc.)  
BUREAU OF LAND MANAGEMENT  
FARMINGTON RESOURCE AREA

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐ PULL OR ALTER CASING ☐  
FRACTURE TREAT ☐ MULTIPLE COMPLETE ☐  
SHOOT OR ACIDIZE ☐ ABANDON\* ☐  
REPAIR WELL ☐ CHANGE PLANS ☐  
(Other) ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐ REPAIRING WELL ☐  
FRACTURE TREATMENT ☒ ALTERING CASING ☐  
SHOOTING OR ACIDIZING ☒ ABANDONMENT\* ☐  
(Other) run tubing

(NOTE: Report results of multiple completion on Well  
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) \*

See Attached Sheets

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JUL 15 1986  
OIL CON. DIV.  
DIST. 3

18. I hereby certify that the foregoing is true and correct

SIGNED

*Kevin A. Moulton*

TITLE

Agent

DATE 6-30-86

ACCEPTED FOR RECORD

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE JUL 11 1986

CONDITIONS OF APPROVAL, IF ANY:

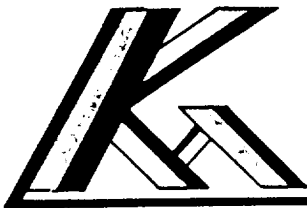
FARMINGTON RESOURCE AREA

BY

*SM*

\*See Instructions on Reverse Side

NMOCC



KM PRODUCTION COMPANY  
P.O. Box 2406  
Farmington, NM 87401  
(505) 325-6900

WILLIAM RUSSELL  
LUNT #62-R  
Sec. 18, T30N, R13W  
1840' FNL & 990' FEL  
San Juan County, NM

DAILY REPORT

- 6-14-86 Moved in and rigged up Bayless Rig 4. Nipple up wellhead. Nipple up BOP. Picked up 3-7/8" bit, casing scraper, and 2-3/8" tubing. Tagged cement on top of D.V. tool @ 4374' RKB. Drilled 33' of cement and D.V. tool @ 4407' RKB. Pressure tested casing and wellhead to 4000 psi. Held OK for 10 minutes. Picked up more tubing and tagged cement on top of DFFC @ 6271' RKB. Drilled 22' of cement and D.F.F.C. @ 6293' RKB. Drilled 32' of cement to PBTD of 6325' RKB. Pressure tested casing and wellhead to 4000 psi. Held OK for 10 minutes. SDFN.
- 6-15-86 Shut down
- 6-16-86 Shut down
- 6-17-86 Circulated hole clean with 1% KCL water. Tripped tubing, scraper, and bit out of hole. Rigged up Welex. Ran GR-Neutron-CLL from PBTD of 6327' RKB to 5900' RKB. SDFN.
- 6-18-86 Perforated Lower Dakota interval with 3-1/8 casing gun and 1 JSPF as follows:

6177-6196	19'	20 holes	
6206-6236	30'	31 holes	
	49'	51 holes	.34" diameter

6-18-86 Rigged up Halliburton. Broke down Lower Dakota perforations down the  
(cont) casing @ 3000 psi. Established rate of 23 BPM @ 2350 psi, ISIP = 850  
psi. Acidized lower Dakota interval with 1000 gallons of 7½% D.I. HCL  
acid containing 77 1.1 s.g. RCN ball sealers, 18 BPM @ 1900 psi. Had  
very good ball action when acid and balls hit formation. Balled off  
casing to 4000 psi. Balled off with approximately 600 gallons of acid  
in formation (37 balls). Tried to surge balls from perforations, but  
unable to. Ran junk basket in well under a lubricator.  
Recovered 72 ball sealers. Fracture stimulated Lower Dakota interval  
with 129,847 gallons of FR26LC slickwater containing 139,694# of 20/40  
sand as follows:

20,000 gal pad	60 BPM @ 3000 psi
10,000 gal of ½ ppg 20/40 sand	62 BPM @ 3050 psi
40,000 gal of 1 ppg 20/40 sand	61-57 BPM @ 3100-3300 psi
50,000 gal of 1½ ppg 20/40 sand	57-52 BPM @ 3250-3500 psi
9,847 gal of 2 ppg 20/40 sand	51 BPM @ 3600 psi
700 gal of flush	2 BPM @ 4000 psi

All water contained 1% KCL water  
ISIP = 3500 psi, 5 min = 700 psi, 10 min = 600 psi, 15 min = 580 psi  
Average rate 51 BPM, average pressure 3600 psi, maximum pressure 4000  
psi, minimum pressure 3000 psi. Well screened off just before flush.  
A total of 133,052# of sand entered the formation. Approximately 700'  
of sand fill left in well (top of sand @ 5615'). Load to recover  
131,910 gallons. Shut in well to allow fracture to heal. SDFN.

6-19-86 Overnight shut-in casing pressure was 0 psi. Tripped in the hole with  
sawtooth collar on 2-3/8" tubing. Tagged sand at 6003' RKB. Circulated  
324' of sand out of hole. Tripped tubing out of hole. Rigged up Welex.  
Set retrievable bridge plug at 6172' RKB. Pressure tested plug to 4000  
psi. Held OK for 10 minutes. Dropped sand on top of bridge plug. SDFN.

6-20-86 Perforated upper Dakota interval with 3-1/8" casing gun and 2JSPF as  
follows:

6092-6098	6'	13 holes
6108-6114	6'	13 holes
6152-6160	8'	17 holes
	20'	43 holes

Rigged up Halliburton. Broke down perforations immediately. Established  
an injection rate down casing of 18 BPM @ 1900 psi, ISIP = 450 psi.  
Acidized the Upper Dakota interval with 500 gallons of 7½% D.I. HCL  
acid containing 65 1.1 s.g. ball sealers, 18 BPM @ 1950 psi. Did not  
see much ball action. Balled off casing to 4000 psi. Tried to surge  
balls off of perforations, could not. Ran junk basket in the hole to  
knock off ball sealers. Recovered 42 ball sealers. Fracture stimulated  
Upper Dakota interval with 66,116 gallons of FR26LC slickwater containing  
67,232# of 20/40 sand as follows:

William Russell  
Lunt #62R  
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6-20-86	15,000 gals of pad	60 BPM @ 3500 psi
(cont)	5,000 gals of $\frac{1}{2}$ ppg 20/40 sand	60-62 BPM @ 3500-3400 psi
	20,000 gal of 1 ppg 20/40 sand	62 BPM @ 3400-3100 psi
	15,000 gal of $1\frac{1}{2}$ ppg 20/40 sand	62-60 BPM @ 3000-3200 psi
	11,116 gal of 2 ppg 20/40 sand	60-58 BPM @ 3200-3600 psi*

ISIP = 3600 psi, 5 min = 200 psi, 10 min = 40 psi, 15 min = 0 psi

\*Well screened off, no flush in hole. Total sand in formation was 59,300 lbs.

All water contained 1% KCL. Average rate 62 BPM, average pressure 3300 psi, maximum pressure 4000 psi, minimum pressure 3000 psi. Total load to recover 72,600 gallons. Approximate sand in hole is 7,932 lbs (850 ft., top of sand @ 5322' RKB). Shut in well for 2 hours to allow fracture to heal. Tripped in the hole with retrieving head on 2-3/8" tubing. Tagged sand @ 5326' RKB. Cleaned out 846' of sand and retrieved bridge plug. Trip tubing and bridge plug out of hole. SDFN.

6-21-86 Trip in the hole with 2-3/8" tubing. Tagged sand fill @ 6125'. Circulated 202' of sand from hole. Moved tubing to 6096' RKB. Rigged to swab. Made 15 swab runs. Fluid level stabilized at 800 feet. Swab runs have considerable water and some gas. Shut well in over weekend to build pressure. SDFN.

6-22-86 S.D. Sunday

6-23-86 Shut-in pressures: Annulus 650 psi, tubing 0 psi. Rigged to swab. Initial fluid level at 900'. Made 4 swab runs and well kicked off flowing very heavy mist of water. Flowing pressures: Annulus 700 psi, tubing 170 psi. Watched well for 3 hours, still flowing. Flowing pressures: Annulus 640 psi, tubing 100 psi. Left well flowing to the pit. SDFN.

6-24-86 Well flowing to the pit. Morning flowing pressures: Annulus 520 psi, tubing 60 psi; afternoon flowing pressures: Annulus 500 psi, tubing 50 psi. Well was flowing heavy mist of water. Left well flowing to the pit. SDFN.

6-25-86 Well flowing to the pit. Flowing pressures: Annulus 450 psi, tubing 40 psi. Blew down annulus pressure. Tagged sand fill in well @ 6214' RKB. 113' of sand in well. 22' of bottom perforations are covered with sand. Pumped 300 bbls of water into formation trying to circulate sand from hole, could not circulate. Trip 2-3/8" tubing out of hole. Trip in the hole with Baker hydrostatic bailer. Cleaned out 60' of sand with bailer. Bailer failed. Tripped tubing out of hole. SDFN.

6-26-86 Overnight pressures: Annulus and tubing 0 psi. Tripped in the hole with hydrostatic bailer on 2-3/8" tubing. Tagged sand fill @ 6254'. Cleaned out 73' of sand to 6327' PBTD. Tripped hydrostatic bailer and 2-3/8" tubing out of hole and laid down. Picked up 1 1/2" tubing, tripped in hole and landed well as follows:

6-26-86 (cont)	<u>DESCRIPTION</u>	<u>LENGTH</u>	<u>DEPTH</u>
	KB to landing point	11.92	0-12
	Donut assembly	.50	12-13
	152 jts 1½" 2.90#/ft J-55 EUE used tbg	4988.90	13-5001
	1 - 4½" Baker Model R-3 production packer	10.80	5001-5012
	32 jts 1½" 2.90#/ft J-55 EUE used tbg	1086.45	5012-6098
	1 Seating nipple	.75	6098-6099
	1 Xover	.75	6099-6100
	1 - 2-3/8" perforated mud anchor	14.70	6100-6115
		<u>6114.77</u>	

Nipple down BOP. Nipple up wellhead. SDFN.

6-27-86 Overnight pressures: Annulus and Tubing 0 psi. Rigged to swab.  
Made 10 swab runs and well kicked off flowing. Released rig. Well  
flowing to the pit to cleanup for AOF test. End of report.